

C

REDUCERS

CYCLO® SPEED REDUCERS

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C CYCLO® SPEED REDUCER

1. How to Select

Standard Specifications of Reducer

		CYCLO® DRIVE 6000 Series	CYCLO® DRIVE 6000SK Series (With "SK" at the end of frame size)
Lubrication		Grease or oil lubricated models	
Speed reduction		Internal planetary gear mechanism with trochoidal curved tooth profile	
Output rotation direction		Single reduction type	Reverse rotation direction
		Duble reduction type	Same rotation direction
		(*Note the difference with single reduction type of CYCLO® DRIVE 6000 Series.)	
		*In contrast to input rotation direction.	
Ambient Conditions	Installation location	Indoors (Minimal)	
	Ambient Temperature	-10°~40°C	
	Ambient Humidity	Under 85%	
	Elevation	Lower than 1,000 meters	
	Atmosphere	Well ventilated location, free of corrosive gases, explosive gases, vapors, and dust.	
Method of Mounting Note: 1		CHH Type: Slow speed shaft in horizontal direction and with foot CHF Type: Slow speed shaft in horizontal direction and with flange (not for 6000SK Series) CVV Type: Slow speed shaft down in vertical direction and with V-flange *Models with "N" for the second nomenclature symbol (such as CNH Type) may be mounted in any direction.	
Method of coupling with driven machine		Coupling, gears, chain sprocket or belt.	
Painting		Type: Acrylic modified phtalic Color: Equivalent to Mancel 6.5PB 3.6/8.2.	

Note: 1. Models for universal mounting (types with N for the second digit of nomenclature) can be manufactured for following frame sizes only. Other frame sizes require indication for mounting direction.

[Frame sizes for universal mounting direction] *□ of the frame size indicates 0, 5, or H.

606□, 607□, 608□, 609□, 610□, 611□, 612□,

606□DA, 607□DA, 608□DA, 609□DA, 610□DA, 612□DA, 612□DB

Model Selection

Select models referring to the following flowchart. Consult us if there is any question.

Step 1: Determination of Operating Condition

Determine the following condition before starting selection.

- Application
- Continuous operation, or operation with frequent startup and stop
- Load torque T_L
- Radial load and axial load
- Operation hours per day
- Level of shock load
- Mounting direction (slow speed shaft direction), mounting shape
- Other ambient conditions (temperature, humidity, indoor or outdoor, and other environments)

Step 2: Model Selection

Select load factor

Select input speed

Select output speed and reduction ratio

Calculate actual transmitted torque $T_{nL} = T_L [\text{Load factor}]$

T_L : Load torque

Determine gearmotor size
Actual transmitted torque $T_{nL} \leq$ Allowable output torque of reducer T_{OUT}

Step 3: Check

Is only the radial load applied on shaft?

NO

YES

Radial load position: Shaft midpoint
Shock load: None

Radial load position: Beyond shaft midpoint, or
Shock load: Applied

Check radial load

Cheack radial or axial load with formulas on page F-10

Is shaft values load within Allowable Radial load (Pro)?

NO

Raise one frame size or use heavy radial load type

YES

Check slow speed shaft direction, mounting style, & hibrication

Check dimension

Check ambient condition (site environment)

Step 4: Nomenclature Determination, Selection Complete

Determine nomenclature, and complete selection

Procedure

- Select appropriate load factor from pages C-7~8.
- Open the page with selection table for your input speed, starting from page C-11.
- Select the cell containing close value to your output speed or reduction ratio in the selection table.
- Calculate actual transmitted torque from load torque and load factor.
- Select frame size and reduction ratio, which is larger than the calculated actual transmitted torque, from the selection table.
- Check whether only the radial load applied on slow and high speed shaft. Refer to Technical Data starting at page F-10 and calculate if axial load is also applied.
- Refer to Technical Data starting at page F-10 depending on where the radial load is applied, or if any shock load is applied or not.
*1 Allowable radial load for slow speed shaft in the selection table is when the load position is at the midpoint of the shaft.
*2 Calculate radial load including initial tension if they are applied using chain, V-belt, synchronous belt, etc.
- Check whether the calculated radial load does not exceed allowable radial load of the slow speed shaft.
- Check whether the selected combination is sufficient for your slow speed shaft direction, mounting style, and lubrication method.
- Check whether the dimension is adequate. Consult us if it does not match your operation condition.
- Check whether the selected combination is sufficient for your operation condition, such as surrounding environment. Refer to "Standard Specifications of Reducer" in page C-3 or section "F. Technical Data" for checking.
- Determine nomenclature for selected model referring to "Nomenclature" in page C-9. Now, the selection process is complete.

Model Selection

Description of Our Selection Table

This is a brief description of our tables on page C-11 and after.

Input speed [r/min]

Upper row: Output speed [r/min]
Lower row: Reduction ratio
* Note that "reduction ratio = nominal ratio" for models with "SK" at the end of frame size (6000 SK Series).
(Indicated reduction ratio is the same as actual reduction ratios for other models.)

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

Input Speed	$n_1 = 1450$ r/min	n_1 : Input Speed [r/min] n_2 : Output Speed [r/min] P : Allowable input power [kW]	T_{out} : Allowable output torque [N·m, kgf·m] P_{ro} : Allowable output shaft radial load [N, kgf·m] * Consult us Pro for CNF-CHF type.	
-------------	--------------------	---	--	---

Frame Size	n_2 [r/min] Ratio[Z]	242	181	132	112	96.7	85.3	69.0	58.0	50.0	41.4	33.7	28.4	24.6	2
6060	P_i [kW]	0.200	0.200	0.200	0.200	0.200	0.200	0.183	0.110	0.110	0.110	0.069	-	-	-
	T_{out} [N·m]	7.51	10.0	13.8	16.3	18.8	21.3	24.0	17.2	20.0	24.0	24.0	-	-	-
	T_{out} [kgf·m]	0.766	1.02	1.41	1.66	1.92	2.17	2.45	1.75	2.04	2.45	2.45	-	-	-
	Pro[N]	798	912	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-
	Pro[kgf]	81.3	93	120	120	120	120	120	120	120	120	120	-	-	-
6065	P_i [kW]	0.286	0.286	0.286	0.286	0.286	0.282	0.228	0.166	0.165	0.137	0.112	-	-	-
	T_{out} [N·m]	10.7	14.3	19.7	23.3	26.9	30.0	30.0	25.9	30.0	30.0	30.0	-	-	-
	T_{out} [kgf·m]	1.09	1.46	2.01	2.38	2.74	3.06	3.06	2.64	3.06	3.06	3.06	-	-	-
	Pro[N]	793	904	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-
	Pro[kgf]	80.8	92.2	120	120	120	120	120	120	120	120	120	-	-	-
6070	P_i [kW]	0.347	0.347	0.347	0.347	0.347	0.347	0.310	0.230	0.226	0.205	0.167	0.100	0.100	-
	T_{out} [N·m]	13.0	17.3	23.9	28.2	32.5	36.9	42.1	35.9	41.0	45.0	45.0	31.9	36.9	-
	T_{out} [kgf·m]	1.33	1.76	2.44	2.87	3.31	3.76	4.29	3.66	4.18	4.59	4.59	3.25	3.76	-
	Pro[N]	1380	1520	1690	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	-
	Pro[kgf]	141	155	172	180	180	180	180	180	180	180	180	180	180	-
6075	P_i [kW]	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.294	0.286	0.272	0.223	0.143	0.136	-
	T_{out} [N·m]	15.3	20.4	28.0	33.1	38.2	43.3	53.5	46.0	52.0	59.6	60.0	45.7	50.1	-
	T_{out} [kgf·m]	1.56	2.08	2.85	3.37	3.89	4.41	5.45	4.69	5.30	6.08	6.12	4.66	5.11	-
	Pro[N]	1370	1510	1680	1770	1770	1770	1770	1770	1770	1770	1660	1750	1700	-
	Pro[kgf]	140	154	171	180	180	180	180	180	180	180	169	178	173	-
	P_i [kW]	0.592	0.592	0.592	0.592	0.592	0.592	0.478	0.340	0.340	0.340	0.250	0.192	0.185	0.

Frame size

First row: Allowable input capacity [kW]
Second row: Allowable output torque [N·m]
Third row: Allowable output torque [kgf·m]
Fourth row: Allowable radial load at slow speed shaft [N]
Fifth row: Allowable radial load at slow speed shaft [kgf]

REDUCERS

How to
Select

Selection Example

Below is an example selection process following the model selection procedure in page C-4.

• Operation condition

- Application: Chain conveyor
- Operation hours per day: 24 hours/day
- Operation pattern: Continuous operation
- Load torque: 178 N·m
- Input speed: 1450 r/min
- Output speed: 33.7 r/min

- Connection with machine used:

- Output side: Chain sprocket
Sprocket pitch circle radius: $R=61\text{mm}$
Load position: Midpoint of shaft Initial tension=0
- Input side: Coupling
- Level of shock load: None
- Mounting direction (slow speed shaft direction), mounting style:



The model is selected based on above operation conditions in this example.

Operation condition, selection, and calculation results	Reference pages
• Select load factor Load condition for chain conveyor application → Uniform load (U) Load factor = 1.2 (U, 24 hours/day operation) • Select input speed 1450 r/min • Select output speed Power source frequency 50Hz, output speed 33.7r/min → $1450/33.7 = \text{Reduction ratio } 43$ • Calculated actual transmitted torque $T_{nL}=178 \text{ [N·m]} \times 1.2=213.6 \text{ [N·m]}$ • Determine reducer frame size $T_{nL} \leq T_{OUT} \rightarrow 213.6 \text{ [N·m]} \leq 292 \text{ [N·m]}$ Reducer frame size : 6105 • Check radial load (Output side) $Pr = TL/R \leq Pro/Cf$ $Pr = 199 \text{ [N·m]} / 0.061 \text{ [m]} = 3262 \text{ [N]} \leq 5400 \text{ [N]} / 1 = 5400 \text{ [N]} \rightarrow \text{OK}$ (Input side) No radial load because of coupling connection. • Check slow speed shaft direction, mounting style, lubrication method Slow speed shaft direction: Horizontal, Mounting style: Foot mount → Nomenclature: CNH (Grease lubrication method) • Check dimension Check dimension using Dimension Tables. • Check surrounding condition Ambient temperature: $20^{\circ}\text{C} \rightarrow \text{OK}$ • Determine nomenclature Determine nomenclature: CNH-6105-43 The selection is complete.	Page C-7,8 Table C-2: Reducer Load Classification Table C-1: Reducer Load Factor Page C-15, 40-42, 48-57: CYCLO® SPEED REDUCERS Selection Tables Page C-40-42: CYCLO® SPEED REDUCERS Selection Tables Page C-40: CYCLO® SPEED REDUCERS Selection Tables Page F-10: Allowable Radial and Axial Load Page C-40: CYCLO® SPEED REDUCERS Selection Tables Page C-9: Nomenclature Page C-71: Dimension Tables Page C-3: Standard Specifications of Gearmotor Page C-9: Nomenclature

Selection of Load Factor

CYCLO® SPEED REDUCER is designed for operation under uniform load for 10 hours/day.

Load factors below must be considered for operations exceeding 10 hours/day or load condition of your application. Select load factor by method (1) or (2) according to the load characteristics.

(1) Load Factor Selection by Load Classifications

[Load Factor] U: Uniform load M: Moderate shock H: Heavy shock

Table C-1 Reducer Load Factor

Daily duty	~3 hours/day			~10 hours/day			~24 hours/day		
	U	M	H	U	M	H	U	M	H
Load Factor	0.80	1.00	1.35	1.00	1.20	1.50	1.20	1.35	1.60

Table C-2 Recommended Load Classifications

Type of APPLICATION	Type of LOAD	Type of APPLICATION	Type of LOAD	Type of APPLICATION	Type of LOAD	Type of APPLICATION	Type of LOAD
*Aerator		Elevators		slab conveyor.....	H	suction roll.....	U
Agitators.		bucket - uniform load.....	U	small waste-conveyor-belt.....	U	washers & thickeners.....	M
pure liquids.....	U	bucket - heavy load.....	M	small waste-conveyor-chain.....	M	winders.....	U
liquids & solids.....	M	bucket - cont.....	U	sorting table.....	M	*Printing Presses	
liquids-variable density.....	M	centrifugal discharge.....	U	tipple hoist conveyor.....	M	Pullers	
Blowers		escalators.....	U	tipple hoist drive.....	M	barge haul.....	H
centrifugal.....	U	*freight.....	M	transfer conveyors.....	M	Pumps	
lobe.....	M	*gravity discharge.....	U	transfer rolls.....	M	centrifugal.....	U
vane.....	U	*man lifts.....	M	tray drive.....	M	proportioning.....	M
Brewing & Distilling		*passenger.....	M	trimmer feed.....	M	reciprocating single acting, 3 or more cylinders.....	M
bottling machinery.....	U	**Extruders (Plastics)		waste conveyor.....	M	double acting, 2 or more cylinders.....	M
brew kettles, cont. duty.....	U	blow molders.....	M	Machine Tools		*single acting, 1 or 2 cylinders.....	U
cookers-cont. duty.....	U	coating.....	U	bending roll.....	M	*double acting, single cylinder.....	U
mash tubs-cont. duty.....	U	film.....	U	punch press-gear driven.....	H	rotary-gear type.....	U
scale hopper, frequent starts.....	M	pipe.....	U	*notching press-belt driven.....	H	rotary-lobe, vane.....	U
Can Filling Machines.....	U	pre-plasticizers.....	M	plate planers.....	H	Rubber & Plastics Industries	
*Cane Knives.....	M	rods.....	U	tapping machine.....	H	**crackers.....	H
Car Dumpers.....	H	sheet.....	U	other machine tools		laboratory equipment.....	M
Car Pullers.....	M	tubing.....	U	main drives.....	M	**mixing mills.....	H
Clarifiers.....	U	Fans		auxiliary drives.....	U	**refiners.....	M
Classifiers.....	M	centrifugal.....	U	Metal Mills		**rubber calendars.....	M
Clay Working Machinery		*cooling towers.....	U	draw bench carriage & main drive.....	M	**rubber mill (2 on line).....	M
brick press.....	H	induced draft.....	U	forming machines.....	H	**rubber mill (3 on line).....	U
briquette machine.....	H	*forced draft.....	M	*pinch, dryer & scrubber rolls, reversing.....	M	**sheeter.....	M
clay working machinery.....	M	large (mine, etc.).....	M	slitters.....	M	*tire building machines.....	U
pug mill.....	M	large (industrial).....	M	table conveyors-non-reversing group drives.....	M	*tire & tube press openers.....	M
Compressors		light (small diameter).....	U	individual drives.....	H	**tubers & strainers.....	M
centrifugal.....	U	Feeders		*table conveyors-reversing.....	M	**warming mills.....	M
lobe.....	M	apron.....	M	wire drawing & flattening machine.....	M	Sand Muller.....	M
reciprocating, multi-cylinder.....	M	belt.....	M	wire winding machine.....	M	Screens	
reciprocating, single-cylinder.....	H	disc.....	U	Mills, Rotary Type		air washing.....	U
Conveyors-Uniformly Loaded or Fed		reciprocating.....	H	**ball.....	M	rotary-stone or gravel.....	M
apron.....	U	screw.....	M	*cement kilns.....	M	traveling water intake.....	U
assembly.....	U	Food industry		**dryers & coolers.....	M	Sewage Disposal Equipment	
belt.....	U	beet slicer.....	M	kilns.....	M	bar screens.....	U
bucket.....	U	cereal cooker.....	U	**pebble.....	M	chemical feeders.....	U
chain.....	U	dough mixer.....	M	**rod, plain & wedge bar.....	M	collectors, circuline or straightline.....	U
flight.....	U	meat grinders.....	M	tumbling barrels.....	H	dewatering screws.....	M
oven.....	U	Generators (not welding).....	U	Mixers		grit collectors.....	U
screw.....	U	Hammer mills.....	H	concrete mixers, cont.....	M	scum breakers.....	M
Conveyors-Heavy Duty Not Uniformly Fed		Hoists		concrete mixers, intermittent.....	M	slow or rapid mixers.....	M
apron.....	M	heavy duty.....	H	constant density.....	U	sludge collectors.....	U
assembly.....	M	medium duty.....	M	variable density.....	M	thickeners.....	M
belt.....	M	skip hoist.....	M	Oil Industry		vacuum filters.....	M
bucket.....	M	Laundry Washers		chillers.....	M	Slab Pushers.....	M
chain.....	M	reversing.....	M	*oil well pumping.....	M	*Steering Gear	
flight.....	M	Laundry Tumblers.....	M	paraffin filter press.....	M	Stokers.....	U
*live roll.....	M	Line Shaft		rotary kilns.....	M	Sugar Industry	
oven.....	M	driving processing equipment.....	M	Paper Mills		**cane knives.....	M
reciprocating.....	H	light.....	U	agitators (mixers).....	M	**crushers.....	M
screw.....	M	other line shafts.....	U	barker-auxiliaries-hydraulic.....	M	**mills.....	H
shaker.....	M	Lumber Industry		barker-mechanical.....	M	Textile Industry	
Cranes (Except for Dry Dock Cranes)		barkers-hydraulic-mechanical.....	H	barking drum.....	H	batchers.....	M
main hoists.....	M	burner conveyor.....	M	beater & pulper.....	M	calendars.....	M
*bridge travel.....	M	chain saw & drag saw.....	H	bleacher.....	U	cards.....	M
*trolley travel.....	M	chain transfer.....	H	calendars.....	M	dry cans.....	M
Crusher		craneway transfer.....	H	calendars-super.....	H	dryers.....	M
ore.....	H	de-barking drum.....	H	converting machine, except cutters, platers.....	M	dyeing machinery.....	M
stone.....	H	edger feed.....	M	conveyors.....	U	*knitting machines.....	M
**sugar.....	M	gang feed.....	H	couch.....	M	looms.....	M
Dredges		green chain.....	M	cutters-platers.....	H	mangles.....	M
cable reels.....	M	live rolls.....	H	cylinders.....	M	nappers.....	M
conveyors.....	M	log haul-locline.....	H	dryers.....	M	pads.....	M
cutter head drives.....	H	log haul-well type.....	H	Paper Mills		*range drives.....	M
jig drives.....	H	log turning device.....	H	felt stretcher.....	M	slashes.....	M
maneuvering winches.....	M	main log conveyor.....	H	felt whipper.....	M	soapers.....	M
pumps.....	M	off bearing rolls.....	M	jordans.....	H	spinners.....	M
screen drive.....	H	planer feed chains.....	M	log haul.....	H	tenter frames.....	M
stackers.....	M	planer floor chains.....	M	presses.....	U	washers.....	M
utility winches.....	M	planer tilting hoist.....	M	pulp machine reel.....	M	winders.....	M
*Dry Dock Cranes		re-saw merry-go-round conveyor roll cases.....	H	stock chests.....	M	*Windlass	

Remarks: * Refer to factory.

** To be selected on basis of 24hr. service only.

Note: Table above contains reference value. Names and mechanical characteristics of the actual machine may differ from the table above.

Selection of Load Factor

(2) Load Factor Selection by Start - Stop Frequency

Select load factor according to the frequency of start - stop and operation hours.

Also, check the thermal load of your motor at this time (Refer to your motor manual).

Table C-3 Start - Stop Frequency and Reducer Load Factor

Number of starts-stops [times/hour]	~3 hours/day			~10 hours/day			~24 hours/day		
	I	II	III	I	II	III	I	II	III
≤10	0.80	1.00	1.20	1.00	1.10	1.35	1.20	1.25	1.50
≤200	0.85	1.10	1.30	1.10	1.30	1.50	1.25	1.50	1.65
≤500	0.90	1.20	1.40	1.15	1.45	1.60	1.30	1.60	1.75

The ratio of Moment of Inertia (The ratio of GD^2) = $\frac{\text{Moment of Inertia (GD}^2\text{) of load as seen from the motor shaft}}{\text{Moment of Inertia (GD}^2\text{) of motor}}$

Load Factor I : Allowable ratio of Moment of Inertia (GD^2) ≤ 0.3
 II : Allowable ratio of Moment of Inertia (GD^2) ≤ 3
 III: Allowable ratio of Moment of Inertia (GD^2) ≤ 10

Note: 1. Include operation times by brake, clutch, etc. in the start - stop frequency.
 2. Consult us for applications with startup with torque or radial load applied. Other solutions may be necessary.

Nomenclature

Slow Speed Shaft Direction	
Horizontal, slow speed shaft level	H
Vertical, slow speed shaft down	V
Vertical, slow speed shaft up	W
Universal mounting	N

Mounting style	
Foot	H
V flange	V
Flange	F

Type of Input	
Gearmotor	M
With adaptor	JM

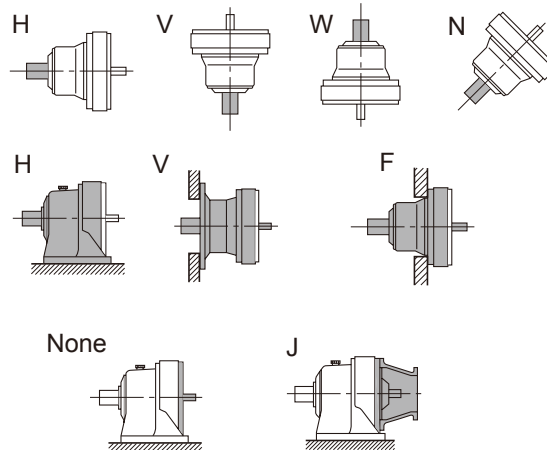
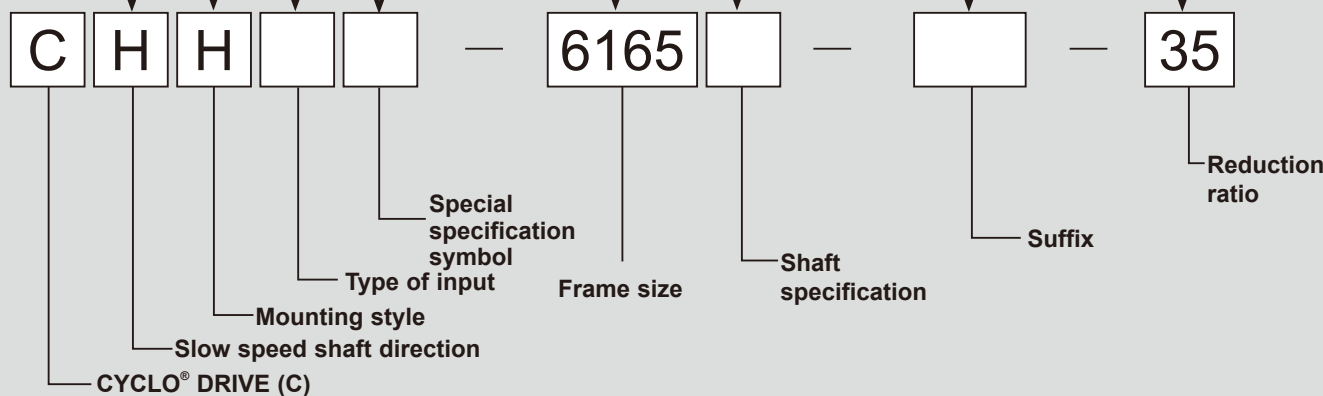
Special Specifications	
Standard specification	blank
Special specification	S

Shaft specification	
Metric JIS (Standard)	-
Inch size	Y
Metric DIN	G

Suffix			
Standard	-	HH Type Ceiling	H1
Light Heavy Radial	R1	Modification Left Wall	H2
High Cap. Brg. Ductile Casing	R2	Modification Right Wall	H3
Baseplate	BP	Torque Limiter	TL
Low Backlash	LB		

Frame size
(Refer to Selection
Tables starting from
page C-11.)

Nominal ratio



Nomenclature and Product Examples

Nomenclature Examples(Speed Reducer)

Example 1.

CNH - 6115 - 29

C:	Model	- CYCLO® DRIVE
N:	Slow speed shaft direction	- Universal direction
H:	Mounting style	- Foot
6115:	Frame size	- 6115
29:	Reduction ratio	- 29

Example 2.

CVV - 6195DA - 377

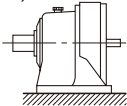
C:	Model	- CYCLO® DRIVE
V:	Slow speed shaft direction	- Vertical mounting
V:	Mounting style	- V flange
6195DA:	Frame size	- 6195DA
377:	Reduction ratio	- 377

Product and Nomenclature Symbol Examples (Speed Reducer)

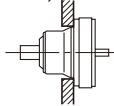
Standard and various application products of CYCLO® SPEED REDUCER are classified by their nomenclature symbol as below.
Refer to specific catalogs or consult us for details on our application products.

CYCLO® SPEED REDUCERS

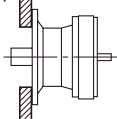
CHH
(CNH)



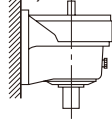
CHF
(CNF)



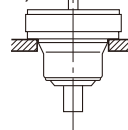
CHV
(CNV)



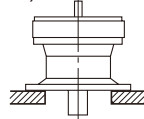
CVH
(CNH)



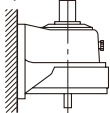
CVF
(CNF)



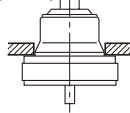
CVV
(CNV)



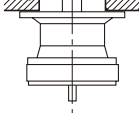
CWH
(CNH)



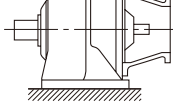
CWF
(CNF)



CWV
(CNV)

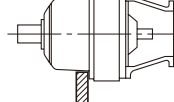


CHHJ



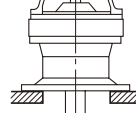
With Adaptor

CHFJ



With Adaptor

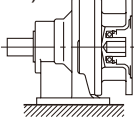
CVVJ



With Adaptor

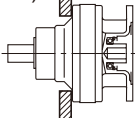
CYCLO® SPEED REDUCERS Application Products

CHHX
(CNHX)



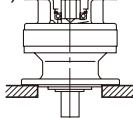
Input Side Hollow Shaft

CHFX
(CNFX)



Input Side Hollow Shaft

CVVX
(CNVX)



Input Side Hollow Shaft

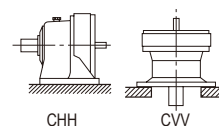
C CYCLO® SPEED REDUCERS

2. Selection Tables

Selection Tables 6000SK Series Reducer

Nominal Reduction Ratio 2.5 ~ 10 Frame Size: 6070SK ~ 6115SK

Input Speed	$n_1 =$ 50 580 r/min	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
		n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
		P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.



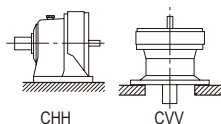
Frame Size	n_1 [r/min]	50							580							Page of Dim.
	n_2 [r/min]	20.0	16.7	12.5	10.0	8.33	6.25	5.00	232	193	145	116	96.7	72.5	58.0	
	Ratio[Z]	2.5	3	4	5	6	8	10	2.5	3	4	5	6	8	10	
6070SK	P_i [kW]	-	-	-	-	-	-	-	0.507	0.479	0.385	0.388	0.339	0.254	0.195	CHH C-70
	T_{OUT} [N·m]	29.4	30.5	24.1	44.8	46.6	45.8	47.4	19.8	22.5	24.1	30.3	31.8	31.7	30.5	
	T_{OUT} [kgf·m]	2.99	3.10	2.46	4.56	4.75	4.67	4.83	2.02	2.29	2.46	3.09	3.24	3.23	3.11	CVV C-81
	Pro[N]	1770	1770	1770	1770	1770	1770	1770	1490	1550	1730	1770	1770	1770	1770	
	Pro[kgf]	180	180	180	180	180	180	180	152	158	176	180	180	180	180	
6075SK	P_i [kW]	-	-	-	-	-	-	-	0.634	0.599	0.482	0.485	0.424	0.317	0.244	CHH C-70
	T_{OUT} [N·m]	36.7	38.1	30.1	56.0	58.3	57.3	59.3	24.8	28.1	30.1	37.9	39.8	39.7	38.1	
	T_{OUT} [kgf·m]	3.74	3.88	3.07	5.70	5.94	5.84	6.04	2.53	2.87	3.07	3.87	4.05	4.04	3.88	CVV C-81
	Pro[N]	1770	1770	1770	1770	1770	1770	1770	1430	1490	1660	1770	1770	1770	1770	
	Pro[kgf]	180	180	180	180	180	180	180	146	152	169	180	180	180	180	
6080SK	P_i [kW]	-	-	-	-	-	-	-	0.784	0.822	0.895	0.748	0.632	0.495	0.379	CHH C-70
	T_{OUT} [N·m]	41.0	44.5	67.1	73.4	63.8	65.8	72.6	30.7	38.6	56.0	58.5	59.3	61.9	59.2	
	T_{OUT} [kgf·m]	4.17	4.54	6.84	7.49	6.50	6.70	7.40	3.12	3.93	5.71	5.97	6.04	6.31	6.04	CVV C-81
	Pro[N]	2560	2560	2560	2560	2560	2560	2560	1570	1620	1690	1860	1990	2200	2440	
	Pro[kgf]	261	261	261	261	261	261	261	160	165	172	190	203	224	249	
6085SK	P_i [kW]	-	-	-	-	-	-	-	0.981	1.03	1.12	0.879	0.790	0.618	0.473	CHH C-70
	T_{OUT} [N·m]	44.2	55.7	83.9	86.2	79.8	82.2	90.8	38.4	48.3	70.0	68.7	74.2	77.4	74.0	
	T_{OUT} [kgf·m]	4.51	5.67	8.56	8.79	8.14	8.38	9.25	3.91	4.92	7.13	7.00	7.56	7.89	7.55	CVV C-81
	Pro[N]	2560	2560	2560	2560	2560	2560	2560	1490	1530	1560	1770	1840	2060	2320	
	Pro[kgf]	261	261	261	261	261	261	261	152	156	159	180	188	210	236	
6090SK	P_i [kW]	-	-	-	-	-	-	-	1.15	1.11	1.12	1.06	0.883	0.691	0.645	CHH C-70
	T_{OUT} [N·m]	55.4	63.3	84.4	101	98.7	104	121	44.9	52.0	70.2	82.9	82.9	86.5	101	
	T_{OUT} [kgf·m]	5.65	6.46	8.61	10.3	10.1	10.6	12.3	4.58	5.30	7.16	8.45	8.45	8.81	10.3	CVV C-81
	Pro[N]	3340	3340	3340	3340	3340	3340	3340	2800	2900	3160	3340	3340	3340	3340	
	Pro[kgf]	340	340	340	340	340	340	340	285	296	322	340	340	340	340	
6095SK	P_i [kW]	-	-	-	-	-	-	-	1.30	1.25	1.25	1.25	1.05	0.814	0.814	CHH C-70
	T_{OUT} [N·m]	62.6	71.3	95.1	119	117	122	153	50.7	58.5	78.0	97.5	98.6	102	127	
	T_{OUT} [kgf·m]	6.38	7.27	9.70	12.1	12.0	12.5	15.6	5.17	5.97	7.95	9.94	10.0	10.4	13.0	CVV C-81
	Pro[N]	3340	3340	3340	3340	3340	3340	3340	2740	2840	3080	3220	3340	3340	3340	
	Pro[kgf]	340	340	340	340	340	340	340	279	289	314	328	340	340	340	
6100SK	P_i [kW]	-	-	-	-	-	-	-	1.35	1.32	1.29	1.28	1.07	0.848	0.891	CHH C-70
	T_{OUT} [N·m]	66.5	79.7	107	133	119	126	156	52.8	61.9	80.6	99.7	101	106	139	
	T_{OUT} [kgf·m]	6.78	8.12	11.0	13.6	12.2	12.8	15.9	5.38	6.31	8.22	10.2	10.3	10.8	14.2	CVV C-81
	Pro[N]	5400	5400	5400	5400	5400	5400	5400	2720	2810	3060	3200	3370	3710	3890	
	Pro[kgf]	550	550	550	550	550	550	550	277	286	312	326	344	378	397	
6105SK	P_i [kW]	-	-	-	-	-	-	-	1.50	1.55	1.52	1.50	1.26	0.996	0.990	CHH C-70
	T_{OUT} [N·m]	78.2	93.7	126	156	136	127	159	58.7	72.8	94.9	117	118	125	155	
	T_{OUT} [kgf·m]	7.97	9.55	12.9	15.9	13.8	13.0	16.3	5.98	7.42	9.67	11.9	12.1	12.7	15.8	CVV C-81
	Pro[N]	5400	5400	5400	5400	5400	5400	5400	2650	2700	2920	3030	3220	3500	3760	
	Pro[kgf]	550	550	550	550	550	550	550	270	275	298	309	328	357	383	
6110SK	P_i [kW]	-	-	-	-	-	-	-	2.52	2.52	2.50	2.30	2.05	1.58	1.32	CHH C-70
	T_{OUT} [N·m]	98.4	118	157	195	195	197	249	98.4	118	157	180	192	197	207	
	T_{OUT} [kgf·m]	10.0	12.0	16.0	19.9	19.9	20.1	25.4	10.0	12.0	16.0	18.3	19.6	20.1	21.1	CVV C-81
	Pro[N]	7610	7610	7610	7610	7610	7610	7610	3470	3650	3840	4060	4370	4920	5420	
	Pro[kgf]	776	776	776	776	776	776	776	354	372	391	414	445	502	552	
6115SK	P_i [kW]	-	-	-	-	-	-	-	3.15	3.15	3.13	2.88	2.56	1.97	1.65	CHH C-70
	T_{OUT} [N·m]	123	148	196	244	244	247	311	123	148	196	225	241	247	259	
	T_{OUT} [kgf·m]	12.5	15.0	20.0	24.9	24.9	25.2	31.7	12.5	15.0	20.0	22.9	24.5	25.2	26.4	CVV C-81
	Pro[N]	7610	7610	7610	7610	7610	7610	7610	3260	3400	3540	3740	4000	4570	5040	
	Pro[kgf]	776	776	776	776	776	776	776	332	347	361	381	408	466	514	
Frame Size	n_1 [r/min]	2.5	3	4	5	6	8	10	2.5	3	4	5	6	8	10	Page of Dim.
	n_2 [r/min]	20.0	16.7	12.5	10.0	8.33	6.25	5.00	232	193	145	116	96.7	72.5	58.0	
	Ratio[Z]	580														

Note: 1. Reduction ratio in the selection table is "nominal ratio." Refer to "6000 SK Series (Actual Reduction Ratio)" in page A-4 for actual reduction ratio.

2. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

3. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000SK Series Reducer



Nominal Reduction Ratio 2.5 ~ 10 Frame Size: 6070SK ~ 6115SK

n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]	Input Speed $n_1 = \begin{matrix} 720 \\ 870 \end{matrix}$ r/min
n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]	
P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.	

Frame Size	n_1 [r/min]	720							870							Page of Dim.
	n_2 [r/min]	288	240	180	144	120	90.0	72.0	348	290	218	174	145	109	87.0	
	Ratio[Z]	2.5	3	4	5	6	8	10	2.5	3	4	5	6	8	10	
6070SK	P_i [kW]	0.614	0.581	0.478	0.473	0.414	0.310	0.238	0.723	0.686	0.578	0.563	0.492	0.369	0.284	CHH C-70
	T_{out} [N·m]	19.3	22.0	24.1	29.8	31.3	31.2	30.0	18.9	21.5	24.1	29.3	30.8	30.8	29.6	
	T_{out} [kgf·m]	1.97	2.24	2.46	3.04	3.19	3.18	3.06	1.92	2.19	2.46	2.99	3.14	3.14	3.02	CVW C-81
	Pro[N]	1370	1430	1590	1730	1770	1770	1770	1290	1330	1470	1600	1700	1770	1770	
	Pro[kgf]	140	146	162	176	180	180	180	131	136	150	163	173	180	180	
6075SK	P_i [kW]	0.767	0.726	0.598	0.591	0.517	0.387	0.298	0.904	0.857	0.723	0.703	0.615	0.461	0.355	CHH C-70
	T_{out} [N·m]	24.2	27.5	30.1	37.3	39.1	39.0	37.5	23.6	26.8	30.1	36.7	38.5	38.5	37.0	
	T_{out} [kgf·m]	2.46	2.80	3.07	3.80	3.98	3.98	3.82	2.40	2.73	3.07	3.74	3.92	3.92	3.77	CVW C-81
	Pro[N]	1320	1370	1520	1650	1750	1770	1770	1230	1290	1410	1530	1620	1770	1770	
	Pro[kgf]	135	140	155	168	178	180	180	125	131	144	156	165	180	180	
6080SK	P_i [kW]	0.935	0.981	1.03	0.912	0.771	0.604	0.463	1.09	1.14	1.17	1.08	0.917	0.719	0.551	CHH C-70
	T_{out} [N·m]	29.5	37.1	52.1	57.5	58.3	60.9	58.3	28.4	35.8	48.9	56.6	57.4	60.0	57.4	
	T_{out} [kgf·m]	3.00	3.78	5.31	5.86	5.94	6.20	5.94	2.90	3.65	4.98	5.76	5.85	6.11	5.85	CVW C-81
	Pro[N]	1450	1500	1570	1710	1810	2010	2250	1350	1390	1470	1580	1690	1860	2080	
	Pro[kgf]	148	153	160	174	185	205	229	138	142	150	161	172	190	212	
6085SK	P_i [kW]	1.17	1.23	1.29	1.07	0.964	0.755	0.578	1.36	1.43	1.47	1.27	1.15	0.899	0.688	CHH C-70
	T_{out} [N·m]	36.9	46.4	65.1	67.5	72.9	76.1	72.9	35.6	44.7	61.1	66.4	71.8	75.0	71.8	
	T_{out} [kgf·m]	3.76	4.73	6.64	6.88	7.43	7.76	7.43	3.62	4.56	6.23	6.77	7.32	7.64	7.32	CVW C-81
	Pro[N]	1380	1410	1450	1610	1690	1880	2120	1290	1310	1360	1490	1550	1740	1960	
	Pro[kgf]	141	144	148	164	172	192	216	131	134	139	152	158	177	200	
6090SK	P_i [kW]	1.38	1.33	1.33	1.27	1.07	0.834	0.778	1.61	1.56	1.56	1.49	1.25	0.980	0.915	CHH C-70
	T_{out} [N·m]	43.4	50.3	67.1	80.3	80.6	84.0	98.0	42.0	48.8	65.0	77.8	78.4	81.8	95.4	
	T_{out} [kgf·m]	4.42	5.13	6.84	8.18	8.22	8.57	10.0	4.28	4.97	6.63	7.93	7.99	8.34	9.73	CVW C-81
	Pro[N]	2580	2680	2920	3090	3260	3340	3340	2410	2500	2730	2870	3030	3340	3340	
	Pro[kgf]	263	273	298	315	332	340	340	246	255	278	293	309	340	340	
6095SK	P_i [kW]	1.56	1.50	1.50	1.50	1.27	0.983	0.983	1.82	1.76	1.76	1.76	1.49	1.16	1.16	CHH C-70
	T_{out} [N·m]	49.0	56.7	75.6	94.5	95.9	99.1	124	47.4	54.9	73.2	91.5	93.3	96.4	121	
	T_{out} [kgf·m]	4.99	5.78	7.70	9.63	9.77	10.1	12.6	4.83	5.60	7.46	9.33	9.51	9.83	12.3	CVW C-81
	Pro[N]	2520	2620	2840	2960	3120	3340	3340	2350	2440	2650	2750	2900	3200	3340	
	Pro[kgf]	257	267	290	302	318	340	340	240	249	270	280	296	326	340	
6100SK	P_i [kW]	1.68	1.64	1.60	1.58	1.33	1.05	1.11	1.91	1.98	1.93	1.91	1.61	1.27	1.34	CHH C-70
	T_{out} [N·m]	52.8	61.9	80.6	99.7	101	106	139	49.9	61.9	80.6	99.7	101	106	139	
	T_{out} [kgf·m]	5.38	6.31	8.22	10.2	10.3	10.8	14.2	5.09	6.31	8.22	10.2	10.3	10.8	14.2	CVW C-81
	Pro[N]	2480	2560	2800	2910	3080	3360	3540	2330	2370	2570	2680	2840	3090	3240	
	Pro[kgf]	253	261	285	297	314	343	361	238	242	262	273	289	315	330	
6105SK	P_i [kW]	1.86	1.93	1.88	1.86	1.56	1.24	1.23	2.25	2.33	2.27	2.25	1.89	1.49	1.48	CHH C-70
	T_{out} [N·m]	58.7	72.8	94.9	117	118	125	155	58.7	72.8	94.9	117	118	125	155	
	T_{out} [kgf·m]	5.98	7.42	9.67	11.9	12.1	12.7	15.8	5.98	7.42	9.67	11.9	12.1	12.7	15.8	CVW C-81
	Pro[N]	2420	2450	2650	2750	2910	3170	3390	2240	2260	2430	2510	2680	2880	3100	
	Pro[kgf]	247	250	270	280	297	323	346	228	230	248	256	273	294	316	
6110SK	P_i [kW]	3.12	3.12	3.11	2.75	2.47	1.96	1.61	3.66	3.76	3.75	3.20	2.89	2.37	1.92	CHH C-70
	T_{out} [N·m]	98.4	118	157	173	187	197	203	95.5	118	157	167	181	197	200	
	T_{out} [kgf·m]	10.0	12.0	16.0	17.7	19.0	20.1	20.7	9.74	12.0	16.0	17.0	18.4	20.1	20.4	CVW C-81
	Pro[N]	3170	3330	3490	3740	4000	4480	4960	2940	3070	3210	3470	3720	4120	4590	
	Pro[kgf]	323	339	356	381	408	457	506	300	313	327	354	379	420	468	
6115SK	P_i [kW]	3.91	3.90	3.88	3.44	3.09	2.45	2.02	4.58	4.70	4.69	4.00	3.61	2.96	2.40	CHH C-70
	T_{out} [N·m]	123	148	196	217	233	247	254	119	147	196	209	226	247	250	
	T_{out} [kgf·m]	12.5	15.0	20.0	22.1	23.8	25.2	25.9	12.2	15.0	20.0	21.3	23.0	25.2	25.5	CVW C-81
	Pro[N]	2950	3080	3200	3420	3650	4130	4600	2740	2830	2910	3180	3370	3770	4230	
	Pro[kgf]	301	314	326	349	372	421	469	279	288	297	324	344	384	431	
Frame Size	n_1 [r/min]	2.5	3	4	5	6	8	10	2.5	3	4	5	6	8	10	Page of Dim.
	n_2 [r/min]	288	240	180	144	120	90.0	72.0	348	290	218	174	145	109	87.0	
	Ratio[Z]	720							870							

Note: 1. Reduction ratio in the selection table is "nominal ratio." Refer to "6000 SK Series (Actual Reduction Ratio)" in page A-4 for actual reduction ratio.

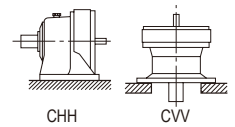
2. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

3. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000SK Series Reducer

Nominal Reduction Ratio 2.5 ~ 10 Frame Size: 6070SK ~ 6115SK

Input Speed	980	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
	r/min	n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
	1165	P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.



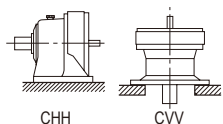
Frame Size	n_1 [r/min]	980							1165							Page of Dim.
	n_2 [r/min]	392	327	245	196	163	123	98.0	466	388	291	233	194	146	117	
	Ratio[Z]	2.5	3	4	5	6	8	10	2.5	3	4	5	6	8	10	
6070SK	P_i [kW]	0.801	0.760	0.649	0.627	0.549	0.411	0.317	0.927	0.882	0.763	0.734	0.642	0.482	0.371	CHH C-70
	T_{OUT} [N•m]	18.5	21.1	24.0	29.0	30.5	30.5	29.3	18.1	20.6	23.8	28.6	30.0	30.0	28.9	
	T_{OUT} [kgf•m]	1.89	2.15	2.45	2.96	3.11	3.11	2.99	1.84	2.10	2.42	2.91	3.06	3.06	2.95	CVV C-81
	Pro[N]	1230	1280	1410	1530	1620	1770	1770	1150	1200	1310	1430	1520	1710	1770	
	Pro[kgf]	125	130	144	156	165	180	180	117	122	134	146	155	174	180	
6075SK	P_i [kW]	1.00	0.950	0.811	0.784	0.686	0.514	0.396	1.16	1.10	0.953	0.918	0.803	0.603	0.464	CHH C-70
	T_{OUT} [N•m]	23.2	26.4	30.0	36.3	38.1	38.1	36.6	22.6	25.7	29.7	35.7	37.5	37.6	36.1	
	T_{OUT} [kgf•m]	2.36	2.69	3.06	3.70	3.88	3.88	3.73	2.30	2.62	3.03	3.64	3.82	3.83	3.68	CVV C-81
	Pro[N]	1180	1230	1340	1460	1550	1750	1770	1100	1150	1260	1360	1450	1640	1770	
	Pro[kgf]	120	125	137	149	158	178	180	112	117	128	139	148	167	180	
6080SK	P_i [kW]	1.20	1.26	1.27	1.19	0.997	0.802	0.615	1.38	1.42	1.42	1.34	1.12	0.939	0.720	CHH C-70
	T_{OUT} [N•m]	27.9	35.1	47.0	55.3	55.4	59.4	56.9	27.0	33.3	44.4	52.2	52.3	58.5	56.1	
	T_{OUT} [kgf•m]	2.84	3.57	4.79	5.63	5.65	6.05	5.80	2.75	3.39	4.52	5.32	5.33	5.96	5.72	CVV C-81
	Pro[N]	1290	1330	1410	1500	1620	1780	1980	1220	1260	1330	1420	1520	1660	1850	
	Pro[kgf]	132	136	144	153	165	181	202	124	128	136	145	155	169	189	
6085SK	P_i [kW]	1.51	1.58	1.59	1.40	1.25	1.00	0.768	1.73	1.78	1.78	1.57	1.40	1.17	0.900	CHH C-70
	T_{OUT} [N•m]	34.8	43.8	58.8	64.9	69.3	74.2	71.1	33.7	41.6	55.5	61.3	65.4	73.2	70.1	
	T_{OUT} [kgf•m]	3.55	4.47	5.99	6.61	7.06	7.57	7.25	3.44	4.24	5.65	6.24	6.67	7.46	7.15	CVV C-81
	Pro[N]	1230	1260	1300	1420	1480	1650	1860	1150	1180	1240	1340	1400	1530	1740	
	Pro[kgf]	125	128	133	145	151	168	190	117	120	126	137	143	156	177	
6090SK	P_i [kW]	1.77	1.72	1.72	1.64	1.39	1.08	1.01	2.03	1.97	1.97	1.89	1.60	1.25	1.17	CHH C-70
	T_{OUT} [N•m]	41.0	47.7	63.6	76.1	77.0	80.3	93.7	39.5	46.1	61.5	73.6	74.8	78.1	91.1	
	T_{OUT} [kgf•m]	4.18	4.86	6.48	7.76	7.85	8.19	9.55	4.03	4.70	6.27	7.50	7.62	7.96	9.29	CVV C-81
	Pro[N]	2320	2390	2610	2760	2900	3210	3340	2180	2250	2450	2580	2720	3000	3270	
	Pro[kgf]	236	244	266	281	296	327	340	222	229	250	263	277	306	333	
6095SK	P_i [kW]	2.00	1.93	1.93	1.93	1.65	1.28	1.28	2.29	2.22	2.22	2.22	1.90	1.48	1.48	CHH C-70
	T_{OUT} [N•m]	46.3	53.7	71.6	89.6	91.6	94.7	118	44.6	51.9	69.2	86.5	88.9	92.1	115	
	T_{OUT} [kgf•m]	4.72	5.48	7.30	9.13	9.34	9.65	12.1	4.55	5.29	7.06	8.82	9.07	9.38	11.7	CVV C-81
	Pro[N]	2260	2330	2530	2630	2770	3050	3260	2120	2190	2370	2460	2590	2840	3050	
	Pro[kgf]	230	238	258	268	282	311	332	216	223	242	251	264	290	311	
6100SK	P_i [kW]	2.16	2.23	2.18	2.15	1.81	1.43	1.51	2.56	2.65	2.59	2.56	2.15	1.70	1.71	CHH C-70
	T_{OUT} [N•m]	49.9	61.9	80.6	99.7	101	106	139	49.9	61.9	80.6	99.7	101	106	133	
	T_{OUT} [kgf•m]	5.09	6.31	8.22	10.2	10.3	10.8	14.2	5.09	6.31	8.22	10.2	10.3	10.8	13.6	CVV C-81
	Pro[N]	2220	2260	2440	2530	2690	2920	3060	2070	2090	2260	2340	2480	2700	2870	
	Pro[kgf]	226	230	249	258	274	298	312	211	213	230	239	253	275	293	
6105SK	P_i [kW]	2.53	2.62	2.56	2.53	2.13	1.68	1.67	3.01	3.12	3.05	3.01	2.53	2.00	1.90	CHH C-70
	T_{OUT} [N•m]	58.7	72.8	94.9	117	118	125	155	58.7	72.8	94.9	117	118	125	148	
	T_{OUT} [kgf•m]	5.98	7.42	9.67	11.9	12.1	12.7	15.8	5.98	7.42	9.67	11.9	12.1	12.7	15.1	CVV C-81
	Pro[N]	2130	2140	2300	2370	2530	2730	2920	1970	1980	2120	2180	2320	2490	2740	
	Pro[kgf]	217	218	234	242	258	278	298	201	202	216	222	237	254	279	
6110SK	P_i [kW]	3.97	4.07	4.12	3.50	3.18	2.67	2.14	4.45	4.56	4.62	3.95	3.62	3.13	2.51	CHH C-70
	T_{OUT} [N•m]	91.8	113	153	162	176	197	198	86.7	107	144	154	169	195	195	
	T_{OUT} [kgf•m]	9.36	11.5	15.6	16.5	18.0	20.1	20.2	8.83	10.9	14.7	15.7	17.2	19.9	19.9	CVV C-81
	Pro[N]	2840	2950	3060	3340	3550	3900	4380	2680	2790	2890	3140	3340	3630	4070	
	Pro[kgf]	289	301	312	340	362	398	446	273	284	295	320	340	370	415	
6115SK	P_i [kW]	4.96	5.08	5.15	4.37	3.97	3.34	2.68	5.57	5.70	5.78	4.94	4.53	3.91	3.14	CHH C-70
	T_{OUT} [N•m]	115	141	191	202	221	247	248	108	133	180	192	212	244	244	
	T_{OUT} [kgf•m]	11.7	14.4	19.4	20.6	22.5	25.2	25.3	11.0	13.6	18.4	19.6	21.6	24.8	24.9	CVV C-81
	Pro[N]	2630	2710	2780	3040	3220	3560	4010	2480	2560	2620	2850	3010	3290	3720	
	Pro[kgf]	268	276	283	310	328	363	409	253	261	267	291	307	335	379	
Frame Size	n_1 [r/min]	2.5	3	4	5	6	8	10	2.5	3	4	5	6	8	10	Page of Dim.
	n_2 [r/min]	392	327	245	196	163	123	98.0	466	388	291	233	194	146	117	
	Ratio[Z]	50								580						

Note: 1. Reduction ratio in the selection table is "nominal ratio." Refer to "6000 SK Series (Actual Reduction Ratio)" in page A-4 for actual reduction ratio.

2. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

3. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000SK Series Reducer



Nominal Reduction Ratio 2.5 ~ 10 Frame Size: 6070SK ~ 6115SK

n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]	Input Speed $n_1 = 1450$ r/min 1750
n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]	
P_i : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.	

Frame Size	n_1 [r/min]	1450							1750							Page of Dim.
	n_2 [r/min]	580	483	363	290	242	181	145	700	583	438	350	292	219	175	
	Ratio[Z]	2.5	3	4	5	6	8	10	2.5	3	4	5	6	8	10	
6070SK	P_i [kW]	1.11	1.06	0.935	0.886	0.784	0.589	0.454	1.11	1.06	0.935	0.886	0.784	0.589	0.454	CHH C-70
	T_{out} [N·m]	17.4	19.9	23.4	27.7	29.4	29.5	28.4	14.4	16.5	19.4	23.0	24.4	24.4	23.5	
	T_{out} [kgf·m]	1.77	2.03	2.39	2.83	3.00	3.01	2.89	1.47	1.68	1.98	2.34	2.49	2.49	2.40	CVV C-81
	Pro[N]	1070	1110	1210	1320	1390	1570	1730	1020	1060	1170	1280	1340	1510	1650	
	Pro[kgf]	109	113	123	135	142	160	176	104	108	119	130	137	154	168	
6075SK	P_i [kW]	1.39	1.32	1.17	1.11	0.980	0.736	0.567	1.39	1.32	1.17	1.11	0.980	0.736	0.567	CHH C-70
	T_{out} [N·m]	21.7	24.9	29.3	34.7	36.8	36.9	35.5	18.0	20.6	24.3	28.7	30.5	30.5	29.4	
	T_{out} [kgf·m]	2.21	2.53	2.98	3.53	3.75	3.76	3.62	1.83	2.10	2.47	2.93	3.11	3.11	3.00	CVV C-81
	Pro[N]	1020	1060	1150	1260	1320	1500	1660	980	1020	1110	1220	1290	1450	1590	
	Pro[kgf]	104	108	117	128	135	153	169	100	104	113	124	131	148	162	
6080SK	P_i [kW]	1.65	1.65	1.65	1.55	1.30	1.10	0.880	1.65	1.65	1.65	1.55	1.30	1.10	0.880	CHH C-70
	T_{out} [N·m]	25.8	30.9	41.2	48.5	48.6	54.8	55.1	21.3	25.6	34.2	40.2	40.3	45.4	45.6	
	T_{out} [kgf·m]	2.62	3.15	4.20	4.94	4.96	5.59	5.61	2.18	2.61	3.48	4.10	4.11	4.63	4.65	CVV C-81
	Pro[N]	1130	1170	1240	1320	1410	1530	1700	1090	1130	1210	1290	1380	1490	1650	
	Pro[kgf]	115	119	126	135	144	156	173	111	115	123	131	141	152	168	
6085SK	P_i [kW]	2.06	2.06	2.06	1.82	1.62	1.37	1.10	2.06	2.06	2.06	1.82	1.62	1.37	1.10	CHH C-70
	T_{out} [N·m]	32.2	38.7	51.6	56.9	60.8	68.6	68.8	26.7	32.0	42.7	47.2	50.4	56.8	57.0	
	T_{out} [kgf·m]	3.28	3.94	5.26	5.80	6.20	6.99	7.02	2.72	3.27	4.35	4.81	5.14	5.79	5.81	CVV C-81
	Pro[N]	1060	1100	1150	1250	1300	1410	1590	1030	1070	1130	1230	1290	1390	1550	
	Pro[kgf]	108	112	117	127	133	144	162	105	109	115	125	131	142	158	
6090SK	P_i [kW]	2.40	2.34	2.34	2.24	1.91	1.50	1.40	2.40	2.34	2.34	2.24	1.91	1.50	1.40	CHH C-70
	T_{out} [N·m]	37.5	43.9	58.6	70.1	71.7	75.1	87.6	31.1	36.4	48.5	58.1	59.4	62.2	72.6	
	T_{out} [kgf·m]	3.83	4.48	5.97	7.14	7.31	7.65	8.93	3.17	3.71	4.95	5.92	6.06	6.34	7.40	CVV C-81
	Pro[N]	2010	2080	2260	2380	2510	2760	3010	1930	2000	2190	2320	2420	2680	2910	
	Pro[kgf]	205	212	230	243	256	281	307	197	204	223	236	247	273	297	
6095SK	P_i [kW]	2.71	2.64	2.64	2.64	2.27	1.77	1.77	2.71	2.64	2.64	2.64	2.27	1.77	1.77	CHH C-70
	T_{out} [N·m]	42.4	49.5	66.0	82.5	85.3	88.5	111	35.1	41.0	54.7	68.3	70.7	73.4	92	
	T_{out} [kgf·m]	4.32	5.04	6.72	8.41	8.70	9.02	11.3	3.58	4.18	5.57	6.96	7.21	7.48	9.3	CVV C-81
	Pro[N]	1960	2020	2190	2270	2380	2620	2800	1890	1960	2130	2220	2320	2560	2740	
	Pro[kgf]	200	206	223	231	243	267	285	193	200	217	226	237	261	279	
6100SK	P_i [kW]	3.19	3.30	3.22	3.15	2.67	2.12	1.98	3.19	3.30	3.22	3.15	2.67	2.12	1.98	CHH C-70
	T_{out} [N·m]	49.9	61.9	80.6	98.6	100	106	124	41.3	51.3	66.8	81.7	83	88	103	
	T_{out} [kgf·m]	5.09	6.31	8.22	10.0	10.2	10.8	12.6	4.21	5.23	6.81	8.3	8.5	9.0	10.5	CVV C-81
	Pro[N]	1880	1900	2040	2120	2250	2420	2680	1820	1850	2010	2090	2220	2400	2640	
	Pro[kgf]	192	194	208	216	229	247	273	186	189	205	213	226	245	269	
6105SK	P_i [kW]	3.75	3.88	3.79	3.70	3.14	2.49	2.20	3.75	3.88	3.79	3.70	3.14	2.49	2.20	CHH C-70
	T_{out} [N·m]	58.7	72.8	94.9	116	118	125	138	48.6	60.4	78.6	96	98	103	114	
	T_{out} [kgf·m]	5.98	7.42	9.67	11.8	12.0	12.7	14.0	4.95	6.15	8.01	9.8	9.9	10.5	11.6	CVV C-81
	Pro[N]	1800	1800	1900	1960	2090	2230	2550	1750	1770	1890	1960	2080	2240	2530	
	Pro[kgf]	183	183	194	200	213	227	260	178	180	193	200	212	228	258	
6110SK	P_i [kW]	5.15	5.28	5.35	4.61	4.22	3.70	3.06	5.15	5.28	5.35	4.61	4.22	3.70	3.06	CHH C-70
	T_{out} [N·m]	80.6	99.1	134	144	158	185	191	66.8	82.1	111	120	131	153	159	
	T_{out} [kgf·m]	8.21	10.1	13.6	14.7	16.1	18.9	19.5	6.80	8.4	11.3	12.2	13.4	15.6	16.2	CVV C-81
	Pro[N]	2480	2590	2690	2900	3090	3350	3710	2410	2520	2640	2840	3030	3290	3640	
	Pro[kgf]	253	264	274	296	315	341	378	246	257	269	290	309	335	371	
6115SK	P_i [kW]	6.44	6.60	6.69	5.77	5.28	4.63	3.83	6.44	6.60	6.69	5.77	5.28	4.63	3.83	CHH C-70
	T_{out} [N·m]	101	124	167	180	198	232	239	83	103	139	150	164	192	198	
	T_{out} [kgf·m]	10.3	12.6	17.1	18.4	20.2	23.6	24.4	8.5	10.5	14.1	15.2	16.7	19.6	20.2	CVV C-81
	Pro[N]	2310	2380	2430	2650	2800	3010	3360	2270	2340	2420	2630	2790	3010	3360	
	Pro[kgf]	235	243	248	270	285	307	343	231	239	247	268	284	307	342	
Frame Size	n_1 [r/min]	2.5	3	4	5	6	8	10	2.5	3	4	5	6	8	10	Page of Dim.
	n_2 [r/min]	580	483	363	290	242	181	145	700	583	438	350	292	219	175	
	Ratio[Z]	1450							1750							

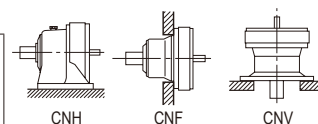
Note: 1. Reduction ratio in the selection table is "nominal ratio." Refer to "6000 SK Series (Actual Reduction Ratio)" in page A-4 for actual reduction ratio.

2. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

3. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

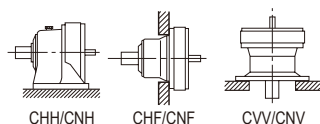


Input Speed		$n_1 = 50 \text{ r/min}$			n_2 : Input Speed [r/min] n_2 : Output Speed [r/min] P_i : Allowable input power [kW]										T_{out} : Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.									
Frame Size	n_2 [r/min] Ratio[Z]	8.33 6	6.25 8	4.55 11	3.85 13	3.33 15	2.94 17	2.38 21	2.00 25	1.72 29	1.43 35	1.16 43	0.980 51	0.847 59	0.704 71	0.575 87	0.420 119	Page of Dim.						
6060	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	-	-	-	-	-	CNF C-76						
	T_{out} [kgf·m]	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	-	-	-	-	-	CNV C-82						
	Pro[N]	969	1010	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-							
	Pro[kgf]	98.8	103	120	120	120	120	120	120	120	120	120	-	-	-	-	-							
6065	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	25.0	27.1	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	-	-	-	-	-	CNF C-76						
	T_{out} [kgf·m]	2.55	2.76	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	-	-	-	-	-	CNV C-82						
	Pro[N]	958	974	1140	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-							
	Pro[kgf]	97.7	99	116	120	120	120	120	120	120	120	120	-	-	-	-	-							
6070	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	29.7	43.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45	45	-	-	-	CNF C-76						
	T_{out} [kgf·m]	3.03	4.45	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	5	5	-	-	-	CNV C-82						
	Pro[N]	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1750	1770	-	-	-							
	Pro[kgf]	180.0	180	180	180	180	180	180	180	180	180	180	178	180	-	-	-							
6075	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	29.7	43.7	50.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	57	57	-	-	-	CNF C-76						
	T_{out} [kgf·m]	3.03	4.45	5.18	6.12	6.12	6.12	6.12	6.12	6.12	6.12	6.12	6	6	-	-	-	CNV C-82						
	Pro[N]	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1660	1580	1580	-	-							
	Pro[kgf]	180.0	180	180	180	180	180	180	180	180	180	180	169	161	161	-	-							
6080	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	78.5	80.0	80.0	80.0	80.0	80.0	77.2	80.0	80.0	80.0	80.0	80	80	80	80	-	CNF C-76						
	T_{out} [kgf·m]	8.00	8.15	8.15	8.15	8.15	8.15	7.87	8.15	8.15	8.15	8.15	8	8	8	8	-	CNV C-82						
	Pro[N]	2560	2560	2560	2560	2560	2560	2560	2560	2500	2560	2540	2480	2510	2460	2450	-							
	Pro[kgf]	261.0	261	261	261	261	261	261	261	255	261	259	253	256	251	250	-							
6085	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	78.5	99.2	100.0	100.0	100.0	100.0	77.2	100.0	100.0	100.0	100.0	100	100	100	100	-	CNF C-76						
	T_{out} [kgf·m]	8.00	10.10	10.20	10.20	10.20	10.20	7.87	10.20	10.20	10.20	10.20	10	10	10	10	-	CNV C-82						
	Pro[N]	2560	2560	2560	2560	2560	2560	2560	2360	2300	2420	2340	2290	2310	2260	2260	-							
	Pro[kgf]	261.0	261	261	261	261	261	261	241	234	247	239	233	235	230	230	-							
6090	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	142.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	149	146	132	150	108	CNF C-76						
	T_{out} [kgf·m]	14.50	15.30	15.30	15.30	15.30	15.30	15.30	15.30	15.30	15.30	15.30	15	15	14	15	11	CNV C-82						
	Pro[N]	3340	3340	3340	3340	3340	3340	3340	3280	3290	3300	3310	3280	3300	3310	3310	3310							
	Pro[kgf]	340.0	340	340	340	340	340	340	334	335	336	337	334	336	337	337	337							
6095	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	170.0	168.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	200.0	153	146	132	195	108	CNF C-76						
	T_{out} [kgf·m]	17.30	17.10	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.40	16	15	14	20	11	CNV C-82						
	Pro[N]	3340	3340	3340	3340	3340	3340	3340	3180	3200	3200	3220	3280	3300	3310	3230	3310							
	Pro[kgf]	340.0	340	340	340	340	340	340	324	326	326	328	334	336	337	329	337							
6100	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	171.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250	250	250	250	250	CNF C-76						
	T_{out} [kgf·m]	17.40	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	25.50	26	26	26	26	26	CNV C-82						
	Pro[N]	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5380	5400	5360							
	Pro[kgf]	550.0	550	550	550	550	550	550	550	550	550	550	550	550	548	550	546							
6105	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	171.0	276.0	308.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	297	296	264	300	258	CNF C-76						
	T_{out} [kgf·m]	17.40	28.10	31.40	30.60	30.60	30.60	30.60	30.60	30.60	30.60	30.60	30	30	27	31	26	CNV C-82						
	Pro[N]	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5310	5090	5370	4780	5350							
	Pro[kgf]	550.0	550	550	550	550	550	550	550	550	550	550	541	519	547	487	545							
6110	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	193.0	360.0	360.0	360.0	360.0	360.0	360.0	360.0	360.0	360.0	360.0	360	360	360	360	-	CNF C-76						
	T_{out} [kgf·m]	19.70	36.70	36.70	36.70	36.70	36.70	36.70	36.70	36.70	36.70	36.70	37	37	37	37	-	CNV C-82						
	Pro[N]	7610	7610	7610	7610	7610	7610	7610	7340	7200	7280	7590	7590	7610	7580	7600	-							
	Pro[kgf]	776.0	776	776	776	776	776	776	748	734	742	774	774	776	773	775	-							
6115	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	193.0	406.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420	420	420	420	-	CNF C-76						
	T_{out} [kgf·m]	19.70	41.40	42.80	42.80	42.80	42.80	42.80	42.80	42.80	42.80	42.80	43	43	43	43	-	CNV C-82						
	Pro[N]	7610	7610	7610	7600	7610	7500	7460	7150	7010	7090	7370	7410	7430	7390	7410	-							
	Pro[kgf]	776.0	776	776	775	776	765	760	729	715	723	751	755	757	753	755	-							
6120	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CNH C-71						
	T_{out} [N·m]	366	525	525	525	525	520	522	525	520	525	525	525	525	525	525	-	CNF C-76						
	T_{out} [kgf·m]	37.3	53.5	53.5	53.5	53.5	53.0	53.2	53.5	53.0	53.5	53.5	53.5	53.5	53.5	53.5	-	CNV C-82						
	Pro[N]	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9780	-							
	Pro[kgf]	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	997	-							
Frame Size	Ratio[Z]	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	Page of Dim.						

Note: 1. Allowable radial load P_r is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer



Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195

n_1 : Input Speed [r/min] T_{out} : Allowable output torque [N·m, kgf·m]
 n_2 : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]
 P_i : Allowable input power [kW] *Consult us for Pro of CNF and CHF type.

Input Speed $n_1 = 50$ r/min

Frame Size	n_2 [r/min] Ratio[Z]	8.33	6.25	4.55	3.85	3.33	2.94	2.38	2.00	1.72	1.43	1.16	0.980	0.847	0.704	0.575	0.420	Page of Dim.
6125	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-71
	T_{out} [N·m]	366	574	622	630	630	630	630	630	630	630	630	630	630	592	630	-	CNF C-76
	T_{out} [kgf·m]	37.3	58.5	63.4	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	60.3	64.2	-	CNV C-82
	Pro[N]	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9560	-	
	Pro[kgf]	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	975	-	
6130	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	555	744	780	780	780	780	780	780	780	780	780	928	912	902	848	-	CHF C-77
	T_{out} [kgf·m]	56.6	75.8	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	94.6	93.0	91.9	86.4	-	CVV C-83
	Pro[N]	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	-	
	Pro[kgf]	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	-	
6135	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	607	764	940	940	940	940	940	900	940	940	940	967	1050	1040	979	-	CHF C-77
	T_{out} [kgf·m]	61.9	77.9	95.8	95.8	95.8	95.8	95.8	91.7	95.8	95.8	95.8	98.6	107	106	99.8	-	CVV C-83
	Pro[N]	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	-	
	Pro[kgf]	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	-	
6140	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	717	1150	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	-	CHF C-77
	T_{out} [kgf·m]	73.1	117	125	125	125	125	125	125	125	125	125	125	125	125	125	-	CVV C-83
	Pro[N]	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	-	
	Pro[kgf]	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	-	
6145	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	717	1150	1290	1370	1360	1370	1340	1370	1370	1370	1370	1370	1370	1320	1250	-	CHF C-77
	T_{out} [kgf·m]	73.1	117	131	140	139	140	137	140	140	140	140	140	140	135	127	-	CVV C-83
	Pro[N]	16000	16000	16000	15900	16000	16000	16000	16000	15800	16000	15700	15700	16000	16000	16000	-	
	Pro[kgf]	1630	1630	1630	1620	1630	1630	1630	1630	1610	1630	1600	1600	1630	1630	1630	-	
6160	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	1320	1760	1760	1760	1760	1760	1760	1760	1760	1760	1740	1760	1760	1760	1760	-	CHF C-77
	T_{out} [kgf·m]	135	179	179	179	179	179	179	179	179	179	177	179	179	179	179	-	CVV C-84
	Pro[N]	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	-	
	Pro[kgf]	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	-	
6165	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	1320	1870	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2050	-	CHF C-77
	T_{out} [kgf·m]	135	191	214	214	214	214	214	214	214	214	214	214	214	214	209	-	CVV C-84
	Pro[N]	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	21800	-	
	Pro[kgf]	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2220	-	
6170	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	1860	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	-	CHF C-77
	T_{out} [kgf·m]	190	258	258	258	258	258	258	258	258	258	258	258	258	258	258	-	CVV C-84
	Pro[N]	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	-	
	Pro[kgf]	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	-	
6175	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	1860	2600	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	-	CHF C-77
	T_{out} [kgf·m]	190	265	321	321	321	321	321	321	321	321	321	321	321	321	321	-	CVV C-84
	Pro[N]	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	-	
	Pro[kgf]	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	-	
6180	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	-	-	4060	4060	4060	4060	4050	4050	4050	4050	4060	4050	4050	4050	4060	-	CHF C-77
	T_{out} [kgf·m]	-	-	414	414	414	414	413	413	413	413	414	413	413	413	414	-	CVV C-84
	Pro[N]	-	-	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	-	
	Pro[kgf]	-	-	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	-	
6185	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	-	-	4810	4900	4920	5000	5000	5000	5000	5000	5000	5000	5000	4510	5000	-	CHF C-77
	T_{out} [kgf·m]	-	-	490	499	502	510	510	510	510	510	510	510	510	460	510	-	CVV C-84
	Pro[N]	-	-	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41600	41700	41700	-	
	Pro[kgf]	-	-	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4240	4250	4250	-	
6190	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	-	-	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	-	CHF C-77
	T_{out} [kgf·m]	-	-	650	650	650	650	650	650	650	650	650	650	650	650	650	-	CVV C-84
	Pro[N]	-	-	59000	58700	58900	59000	59000	59000	59000	59000	59000	58700	58600	58400	58900	-	
	Pro[kgf]	-	-	6010	5980	6000	6010	6010	6010	6010	6010	6010	5980	5970	5950	6000	-	
6195	P_i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72
	T_{out} [N·m]	-	-	7580	7630	7910	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	-	CHF C-77
	T_{out} [kgf·m]	-	-	773	778	806	811	811	811	811	811	811	811	811	811	811	-	CVV C-84
	Pro[N]	-	-	59000	58200	58300	59000	59000	59000	59000	58600	59000	58200	58100	58000	58400	-	
	Pro[kgf]	-	-	6010	5930	5940	6010	6010	6010	6010	5970	6010	5930	5920	5910	5950	-	
Frame Size	n_2 [r/min] Ratio[Z]	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	Page of Dim.

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

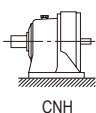
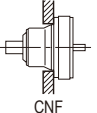
Input Speed		$n_1 = 50$ r/min		n_2 : Input Speed [r/min] n_2 : Output Speed [r/min] P_1 : Allowable input power [kW]										T_{out} : Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.							
Frame Size	n_2 [r/min] Ratio[Z]	8.33 6	6.25 8	4.55 11	3.85 13	3.33 15	2.94 17	2.38 21	2.00 25	1.72 29	1.43 35	1.16 43	0.980 51	0.847 59	0.704 71	0.575 87	0.420 119	Page of Dim.			
6205	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72 CHF C-77 CVW C-84			
	T_{OUT} [N·m]	-	-	8620	-	9270	-	9270	-	9230	-	9300	-	9300	-	8760	-				
	T_{OUT} [kgf·m]	-	-	879	-	945	-	945	-	941	-	948	-	948	-	893	-				
	Pro[N]	-	-	84100	-	84100	-	84100	-	84100	-	84100	-	84100	-	84100	-				
6215	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72 CHF C-77 CVW C-84			
	T_{OUT} [N·m]	-	-	11400	-	12200	-	12500	-	12700	-	12700	-	12700	-	11300	-				
	T_{OUT} [kgf·m]	-	-	1160	-	1240	-	1270	-	1290	-	1290	-	1290	-	1150	-				
	Pro[N]	-	-	104000	-	104000	-	104000	-	104000	-	104000	-	104000	-	104000	-				
6225	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72 CHF C-77 CVW C-84			
	T_{OUT} [N·m]	-	-	13500	-	14500	-	14800	-	15000	-	16000	-	15900	-	15100	-				
	T_{OUT} [kgf·m]	-	-	1380	-	1480	-	1510	-	1530	-	1630	-	1620	-	1540	-				
	Pro[N]	-	-	145000	-	145000	-	145000	-	145000	-	145000	-	145000	-	145000	-				
6235	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72 CHF C-77 CVW C-84			
	T_{OUT} [N·m]	-	-	18700	-	19600	-	18900	-	18900	-	20500	-	20500	-	17200	-				
	T_{OUT} [kgf·m]	-	-	1910	-	2000	-	1930	-	1930	-	2090	-	2090	-	1750	-				
	Pro[N]	-	-	179000	-	179000	-	179000	-	179000	-	179000	-	179000	-	179000	-				
6245	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72 CHF C-77 CVW C-84			
	T_{OUT} [N·m]	-	-	20500	-	26200	-	25800	-	25800	-	25800	-	25800	-	22600	-				
	T_{OUT} [kgf·m]	-	-	2090	-	2670	-	2630	-	2630	-	2630	-	2630	-	2300	-				
	Pro[N]	-	-	208000	-	208000	-	208000	-	208000	-	208000	-	208000	-	208000	-				
6255	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72 CHF C-77 CVW C-84			
	T_{OUT} [N·m]	-	-	27500	-	31200	-	31000	-	32500	-	34500	-	34500	-	31000	-				
	T_{OUT} [kgf·m]	-	-	2800	-	3180	-	3160	-	3310	-	3520	-	3520	-	3160	-				
	Pro[N]	-	-	257000	-	258000	-	258000	-	258000	-	258000	-	258000	-	258000	-				
6265	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72 CHF C-77 CVW C-84			
	T_{OUT} [N·m]	-	-	31300	-	43700	-	46000	-	46000	-	46000	-	46000	-	44000	-				
	T_{OUT} [kgf·m]	-	-	3190	-	4450	-	4690	-	4690	-	4690	-	4690	-	4490	-				
	Pro[N]	-	-	276000	-	276000	-	276000	-	276000	-	276000	-	276000	-	276000	-				
6275	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72 CVW C-84			
	T_{OUT} [N·m]	-	-	-	-	-	-	-	-	68200	-	68200	-	68200	-	68200	-				
	T_{OUT} [kgf·m]	-	-	-	-	-	-	-	-	6950	-	6950	-	6950	-	6950	-				
	Pro[N]	-	-	-	-	-	-	-	-	248000	-	248000	-	248000	-	245000	-				
Frame Size	Ratio[Z] n_2 [r/min]	6 8.33	8 6.25	11 4.55	13 3.85	15 3.33	17 2.94	21 2.38	25 2.00	29 1.72	35 1.43	43 1.16	51 0.980	59 0.847	71 0.704	87 0.575	119 0.420	Page of Dim.			

M E M O

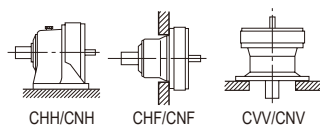
REDUCERS
Selection Tables
Ratio xxx - xxx

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

Input Speed		$n_1 = 580$ r/min n_1: Input Speed [r/min] n_2: Output Speed [r/min] P_1: Allowable input power [kW] T_{out}: Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.																		  	
Frame Size	n_2 [r/min] Ratio[Z]	96.7	72.5	52.7	44.6	38.7	34.1	27.6	23.2	20.0	16.6	13.5	11.4	9.83	8.17	6.67	4.87	Page			
		6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	of Dim.			
6060	P_1 [kW]	0.200	0.192	0.139	0.118	0.102	0.090	0.073	0.061	0.053	0.044	0.036	-	-	-	-	-	-	CNH C-71		
	T_{out} [N·m]	18.8	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	-	-	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	1.92	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	-	-	-	-	-	-	CNV C-82		
	Pro[N]	1020	1010	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-	-			
	Pro[kgf]	104	103	120	120	120	120	120	120	120	120	120	-	-	-	-	-	-			
6065	P_1 [kW]	0.267	0.216	0.174	0.148	0.128	0.113	0.091	0.077	0.066	0.055	0.045	-	-	-	-	-	-	CNH C-71		
	T_{out} [N·m]	25.0	27.1	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	-	-	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	2.55	2.76	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	-	-	-	-	-	-	CNV C-82		
	Pro[N]	958	974	1140	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-	-			
	Pro[kgf]	97.7	99.3	116	120	120	120	120	120	120	120	120	-	-	-	-	-	-			
6070	P_1 [kW]	0.316	0.288	0.262	0.221	0.192	0.169	0.137	0.115	0.099	0.082	0.067	0.056	0.049	-	-	-	-	CNH C-71		
	T_{out} [N·m]	29.7	36.1	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	3.03	3.68	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	-	-	-	-	CNV C-82		
	Pro[N]	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1750	1770	-	-	-	-			
	Pro[kgf]	180	180	180	180	180	180	180	180	180	180	180	178	180	-	-	-	-			
6075	P_1 [kW]	0.316	0.288	0.291	0.273	0.256	0.226	0.183	0.153	0.132	0.110	0.089	0.071	0.062	-	-	-	-	CNH C-71		
	T_{out} [N·m]	29.7	36.1	50.1	55.5	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.9	57.4	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	3.03	3.68	5.11	5.66	6.12	6.12	6.12	6.12	6.12	6.12	6.12	5.80	5.85	-	-	-	-	CNV C-82		
	Pro[N]	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1660	1580	1580	-	-	-	-			
	Pro[kgf]	180	180	180	180	180	180	180	180	180	180	169	161	161	-	-	-	-			
6080	P_1 [kW]	0.592	0.592	0.465	0.393	0.341	0.301	0.235	0.205	0.176	0.146	0.119	0.100	0.087	0.072	0.059	-	-	CNH C-71		
	T_{out} [N·m]	55.6	74.1	80.0	80.0	80.0	80.0	77.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	CNF C-76		
	T_{out} [kgf·m]	5.67	7.55	8.15	8.15	8.15	8.15	7.87	8.15	8.15	8.15	8.15	8.15	8.15	8.15	8.15	-	-	CNV C-82		
	Pro[N]	2540	2560	2560	2560	2560	2560	2560	2560	2500	2560	2540	2480	2510	2460	2450	-	-			
	Pro[kgf]	259	261	261	261	261	261	261	261	255	261	259	253	256	251	250	-	-			
6085	P_1 [kW]	0.778	0.778	0.581	0.492	0.426	0.376	0.235	0.256	0.220	0.183	0.149	0.125	0.108	0.090	0.073	-	-	CNH C-71		
	T_{out} [N·m]	73.0	97.3	100	100	100	100	77.2	100	100	100	100	100	100	100	100	-	-	CNF C-76		
	T_{out} [kgf·m]	7.44	9.92	10.2	10.2	10.2	10.2	7.87	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	-	-	CNV C-82		
	Pro[N]	2510	2560	2560	2560	2560	2560	2360	2300	2420	2340	2290	2310	2260	2260	-	-	-			
	Pro[kgf]	256	261	261	261	261	261	241	234	247	239	233	235	230	230	-	-	-			
6090	P_1 [kW]	1.15	1.15	0.872	0.738	0.639	0.564	0.457	0.384	0.331	0.274	0.223	0.186	0.158	0.119	0.110	0.058	-	CNH C-71		
	T_{out} [N·m]	108	143	150	150	150	150	150	150	150	150	149	146	132	150	108	-	-	CNF C-76		
	T_{out} [kgf·m]	11.0	14.6	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.2	14.9	13.5	11.0	-	-	CNV C-82		
	Pro[N]	3340	3340	3340	3340	3340	3340	3340	3280	3290	3300	3310	3280	3300	3310	3310	-	-			
	Pro[kgf]	340	340	340	340	340	340	340	334	335	336	337	334	336	337	337	-	-			
6095	P_1 [kW]	1.47	1.34	1.05	0.984	0.852	0.752	0.609	0.499	0.441	0.365	0.297	0.192	0.158	0.119	0.131	0.058	-	CNH C-71		
	T_{out} [N·m]	138	168	181	200	200	200	200	195	200	200	200	153	146	132	178	108	-	CNF C-76		
	T_{out} [kgf·m]	14.1	17.1	18.5	20.4	20.4	20.4	20.4	19.9	20.4	20.4	20.4	15.6	14.9	13.5	18.1	11.0	-	CNV C-82		
	Pro[N]	3340	3340	3340	3340	3340	3340	3340	3190	3200	3200	3220	3280	3300	3310	3270	3310	-			
	Pro[kgf]	340	340	340	340	340	340	340	325	326	326	328	334	336	337	333	337	-			
6100	P_1 [kW]	1.82	1.86	1.45	1.23	1.07	0.940	0.761	0.639	0.551	0.457	0.372	0.313	0.271	0.225	0.184	0.134	-	CNH C-71		
	T_{out} [N·m]	171	233	250	250	250	250	250	250	250	250	250	250	250	250	250	250	-	CNF C-76		
	T_{out} [kgf·m]	17.4	23.8	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	-	CNV C-82		
	Pro[N]	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5380	5400	5360	-			
	Pro[kgf]	550	550	550	550	550	550	550	550	550	550	550	550	550	548	550	546	-			
6105	P_1 [kW]	1.82	1.86	1.79	1.48	1.28	1.13	0.913	0.767	0.661	0.548	0.446	0.372	0.321	0.238	0.220	0.139	-	CNH C-71		
	T_{out} [N·m]	171	233	308	300	300	300	300	300	300	300	300	297	296	264	300	258	-	CNF C-76		
	T_{out} [kgf·m]	17.4	23.8	31.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.3	30.2	26.9	30.6	26.3	-	CNV C-82		
	Pro[N]	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5310	5090	5370	4780	5350	-			
	Pro[kgf]	550	550	550	550	550	550	550	550	550	550	550	541	519	547	487	545	-			
6110	P_1 [kW]	2.06	2.88	2.09	1.77	1.53	1.35	1.10	0.921	0.794	0.658	0.535	0.451	0.390	0.324	0.265	-	-	CNH C-71		
	T_{out} [N·m]	193	360	360	360	360	360	360	360	360	360	360	360	360	360	360	-	-	CNF C-76		
	T_{out} [kgf·m]	19.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	-	-	CNV C-82		
	Pro[N]	6210	6780	7610	7610	7610	7610	7610	7340	7200	7280	7590	7590	7610	7580	7600	-	-			
	Pro[kgf]	633	691	776	776	776	776	776	748	734	742	774	774	776	773	775	-	-			
6115	P_1 [kW]	2.06	3.25	2.44	2.07	1.79	1.58	1.28	1.07	0.926	0.767	0.624	0.526	0.455	0.378	0.309	-	-	CNH C-71		
	T_{out} [N·m]	193	406	420	420	420	420	420	420	420	420	420	420	420	420	420	-	-	CNF C-76		
	T_{out} [kgf·m]	19.7	41.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	-	-	CNV C-82		
	Pro[N]	6210	6720	7610	7600	7610	7500	7460	7150	7010	7090	7370	7410	7430	7390	7410	-	-			
	Pro[kgf]	633	685	776	775	776	765	760	729	715	723	751	755	757	753	755	-	-			
6120	P_1 [kW]	3.90	4.00	3.05	2.58	2.24	1.96	1.59	1.34	1.15	0.959	0.781	0.658	0.569	0.473	0.386	-	-	CNH C-71		
	T_{out} [N·m]	366	501	525	525	525	520	522	525	520	525	525	525	525	525	525	-	-	CNF C-76		
	T_{out} [kgf·m]	37.3	51.1	53.5	53.5	53.5	53.0	53.2	53.5	53.0	53.5	53.5	53.5	53.5	53.5	53.5	-	-	CNV C-82		
	Pro[N]	6880	7620	8740	9090	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9780	-	-			
	Pro[kgf]	701	777	891	927	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	997	-	-			
Frame Size	n_2 [r/min] Ratio[Z]																				

Selection Tables 6000 Series Reducer



Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195

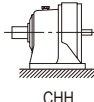
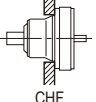
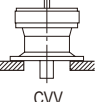
n_1 : Input Speed [r/min] T_{out} : Allowable output torque [N·m, kgf·m]
 n_2 : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]
 P_i : Allowable input power [kW] *Consult us for Pro of CNF and CHF type.

Input Speed $n_1 = 580$ r/min

Frame Size	n_2 [r/min] Ratio[Z]	96.7	72.5	52.7	44.6	38.7	34.1	27.6	23.2	20.0	16.6	13.5	11.4	9.83	8.17	6.67	4.87	Page of Dim.
		6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	
6125	P_i [kW]	3.90	4.00	3.47	3.10	2.69	2.37	1.92	1.61	1.39	1.15	0.937	0.790	0.683	0.533	0.463	-	CNH C-71 CNF C-76 CNV C-82
	T_{out} [N·m]	366	501	596	630	630	630	630	630	630	630	630	630	630	592	630	-	
	T_{out} [kgf·m]	37.3	51.1	60.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	60.3	64.2	-	
	Pro[N]	6880	7620	8670	8980	9710	9810	9810	9810	9810	9810	9810	9810	9810	9810	9560	-	
	Pro[kgf]	701	777	884	915	990	1000	1000	1000	1000	1000	1000	1000	1000	1000	975	-	
6130	P_i [kW]	5.91	5.94	4.53	3.84	3.32	2.93	2.37	1.99	1.72	1.42	1.16	1.16	0.988	0.813	0.623	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	555	744	780	780	780	780	780	780	780	780	780	928	912	902	848	-	
	T_{out} [kgf·m]	56.6	75.8	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	94.6	93.0	91.9	86.4	-	
	Pro[N]	7930	8800	10200	10700	11000	11800	12700	13300	14000	14700	14700	14700	14700	14700	14700	-	
	Pro[kgf]	808	897	1040	1090	1120	1200	1290	1360	1430	1500	1500	1500	1500	1500	1500	-	
6135	P_i [kW]	6.47	6.11	5.46	4.62	4.01	3.53	2.86	2.30	2.07	1.72	1.40	1.21	1.14	0.938	0.719	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	607	764	940	940	940	940	940	900	940	940	940	967	1050	1040	979	-	
	T_{out} [kgf·m]	61.9	77.9	95.8	95.8	95.8	95.8	95.8	91.7	95.8	95.8	95.8	98.6	107	106	99.8	-	
	Pro[N]	7870	8780	10100	10600	10900	11700	12600	13200	13900	14700	14700	14700	14700	14700	14700	-	
	Pro[kgf]	802	895	1030	1080	1110	1190	1280	1350	1420	1500	1500	1500	1500	1500	1500	-	
6140	P_i [kW]	7.64	7.80	7.12	6.02	5.22	4.61	3.73	3.13	2.70	2.24	1.82	1.54	1.33	1.10	0.900	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	717	976	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	-	
	T_{out} [kgf·m]	73.1	99.5	125	125	125	125	125	125	125	125	125	125	125	125	125	-	
	Pro[N]	12100	13400	15000	15500	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	-	
	Pro[kgf]	1230	1370	1530	1580	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	-	
6145	P_i [kW]	7.64	7.80	7.51	6.74	5.79	5.15	4.07	3.50	3.02	2.50	2.04	1.72	1.48	1.19	0.917	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	717	976	1290	1370	1360	1370	1340	1370	1370	1370	1370	1370	1370	1320	1250	-	
	T_{out} [kgf·m]	73.1	99.5	131	140	139	140	137	140	140	140	140	140	140	135	127	-	
	Pro[N]	12100	13400	15000	15400	16000	16000	16000	16000	15800	16000	15700	15700	16000	16000	16000	-	
	Pro[kgf]	1230	1370	1530	1570	1630	1630	1630	1630	1610	1630	1600	1600	1630	1630	1630	-	
6160	P_i [kW]	14.1	14.0	10.2	8.63	7.48	6.60	5.34	4.49	3.87	3.21	2.58	2.20	1.90	1.58	1.29	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1320	1760	1760	1760	1760	1760	1760	1760	1760	1760	1740	1760	1760	1760	1760	-	
	T_{out} [kgf·m]	135	179	179	179	179	179	179	179	179	179	177	179	179	179	179	-	
	Pro[N]	13500	15000	17300	18200	19400	20100	21700	22100	22100	22100	22100	22100	22100	22100	22100	-	
	Pro[kgf]	1380	1530	1760	1860	1980	2050	2210	2250	2250	2250	2250	2250	2250	2250	2250	-	
6165	P_i [kW]	14.1	14.9	12.2	10.3	8.95	7.90	6.39	5.37	4.63	3.84	3.12	2.63	2.28	1.89	1.51	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1320	1870	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2050	-	
	T_{out} [kgf·m]	135	191	214	214	214	214	214	214	214	214	214	214	214	214	209	-	
	Pro[N]	13500	14900	17000	18000	19200	19900	21500	22100	22100	22100	22100	22100	22100	22100	21800	-	
	Pro[kgf]	1380	1520	1730	1830	1960	2030	2190	2250	2250	2250	2250	2250	2250	2250	2220	-	
6170	P_i [kW]	19.8	20.2	14.7	12.4	10.8	9.51	7.70	6.47	5.58	4.62	3.76	3.17	2.74	2.28	1.86	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1860	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	-	
	T_{out} [kgf·m]	190	258	258	258	258	258	258	258	258	258	258	258	258	258	258	-	
	Pro[N]	15100	16500	19300	20300	21400	22400	24400	25400	26900	28700	29500	29500	29500	29500	29500	-	
	Pro[kgf]	1540	1680	1970	2070	2180	2280	2490	2590	2740	2930	3010	3010	3010	3010	3010	-	
6175	P_i [kW]	19.8	20.8	18.3	15.5	13.4	11.8	9.59	8.06	6.94	5.75	4.68	3.95	3.41	2.84	2.31	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1860	2600	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	-	
	T_{out} [kgf·m]	190	265	321	321	321	321	321	321	321	321	321	321	321	321	321	-	
	Pro[N]	15100	16500	18900	19900	21000	22000	24100	25100	26600	28400	29500	29500	29500	29500	29500	-	
	Pro[kgf]	1540	1680	1930	2030	2140	2240	2460	2560	2710	2900	3010	3010	3010	3010	3010	-	
6180	P_i [kW]	-	-	23.6	20.0	17.3	15.3	12.3	10.4	8.93	7.40	6.03	5.08	4.39	3.65	2.98	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	4060	4060	4060	4060	4050	4050	4050	4050	4060	4050	4050	4050	4060	-	
	T_{out} [kgf·m]	-	-	414	414	414	414	413	413	413	413	414	413	413	413	414	-	
	Pro[N]	-	-	25600	26700	28300	30000	32600	34000	35700	38200	41200	41700	41700	41700	41700	-	
	Pro[kgf]	-	-	2610	2720	2880	3060	3320	3470	3640	3890	4200	4250	4250	4250	4250	-	
6185	P_i [kW]	-	-	27.9	24.1	19.9	18.8	15.2	12.8	11.0	9.13	7.43	6.27	5.42	4.06	3.67	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	4810	4900	4670	5000	5000	5000	5000	5000	5000	5000	5000	4510	5000	-	
	T_{out} [kgf·m]	-	-	490	499	476	510	510	510	510	510	510	510	510	460	510	-	
	Pro[N]	-	-	25200	26400	28000	29600	32200	33600	35300	37900	40800	41700	41600	41700	41700	-	
	Pro[kgf]	-	-	2570	2690	2850	3020	3280	3430	3600	3860	4160	4250	4240	4250	4250	-	
6190	P_i [kW]	-	-	37.1	31.4	27.2	24.0	19.4	16.3	14.1	11.7	9.49	8.00	6.91	5.74	4.69	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	-	
	T_{out} [kgf·m]	-	-	650	650	650	650	650	650	650	650	650	650	650	650	650	-	
	Pro[N]	-	-	35500	37100	39100	41500	45100	47400	49900	52900	57200	58700	58600	58400	58900	-	
	Pro[kgf]	-	-	3620	3780	3990	4230	4600	4830	5090	5390	5830	5980	5970	5950	6000	-	
6195	P_i [kW]	-	-	44.0	36.1	33.2	29.9	24.2	20.4	17.5	14.5	11.8	9.98	8.63	7.17	5.85	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	7570	7350	7800	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	-	
	T_{out} [kgf·m]	-	-	772	749	795	811	811	811	811	811	811	811	811	811	811	-	
	Pro[N]	-	-	35100	36700	38600	41000	44600	46900	49500	52500	56700	58200	58100	58000	58400	-	
	Pro[kgf]	-	-	3580	3740	3930	4180	4550	4780	5050	5350	5780	5930	5920	5910	5950	-	
Frame Size	n_2 [r/min] Ratio[Z																	

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

Input Speed		$n_1 = 580$ r/min		n_1: Input Speed [r/min] n_2: Output Speed [r/min] P_1: Allowable input power [kW]										T_{out}: Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.												
Frame Size	n_2 [r/min] Ratio[Z]	96.7 6	72.5 8	52.7 11	44.6 13	38.7 15	34.1 17	27.6 21	23.2 25	20.0 29	16.6 35	13.5 43	11.4 51	9.83 59	8.17 71	6.67 87	4.87 119	Page of Dim.								
6205	P_1 [kW]	-	-	46.8	-	39.5	-	28.2	-	20.3	-	13.8	-	10.1	-	6.43	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	8050	-	9270	-	9270	-	9230	-	9300	-	9300	-	8760	-									
	T_{OUT} [kgf·m]	-	-	821	-	945	-	945	-	941	-	948	-	948	-	893	-									
	Pro[N]	-	-	67300	-	72500	-	81600	-	84100	-	84100	-	84100	-	84100	-									
6215	P_1 [kW]	-	-	64.0	-	51.9	-	38.1	-	27.9	-	18.8	-	13.7	-	8.28	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	11000	-	12200	-	12500	-	12700	-	12700	-	12700	-	11300	-									
	T_{OUT} [kgf·m]	-	-	1120	-	1240	-	1270	-	1290	-	1290	-	1290	-	1150	-									
	Pro[N]	-	-	67300	-	72600	-	82500	-	90200	-	102000	-	104000	-	104000	-									
6225	P_1 [kW]	-	-	74.7	-	61.7	-	45.1	-	33.2	-	23.8	-	17.2	-	11.1	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	12900	-	14500	-	14800	-	15000	-	16000	-	15900	-	15100	-									
	T_{OUT} [kgf·m]	-	-	1310	-	1480	-	1510	-	1530	-	1630	-	1620	-	1540	-									
	Pro[N]	-	-	71100	-	77100	-	86900	-	95200	-	108000	-	118000	-	133000	-									
6235	P_1 [kW]	-	-	99.9	-	83.6	-	57.5	-	41.7	-	30.5	-	22.2	-	12.6	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	17200	-	19600	-	18900	-	18900	-	20500	-	20500	-	17200	-									
	T_{OUT} [kgf·m]	-	-	1750	-	2000	-	1930	-	1930	-	2090	-	2090	-	1750	-									
	Pro[N]	-	-	88800	-	95300	-	108000	-	119000	-	133000	-	146000	-	166000	-									
6245	P_1 [kW]	-	-	117	-	112	-	78.5	-	56.9	-	38.4	-	28.0	-	16.6	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	20200	-	26200	-	25800	-	25800	-	25800	-	25800	-	22600	-									
	T_{OUT} [kgf·m]	-	-	2060	-	2670	-	2630	-	2630	-	2630	-	2630	-	2300	-									
	Pro[N]	-	-	98600	-	106000	-	119000	-	131000	-	149000	-	163000	-	185000	-									
6255	P_1 [kW]	-	-	151	-	133	-	94.4	-	71.6	-	51.3	-	37.4	-	22.8	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	25900	-	31200	-	31000	-	32500	-	34500	-	34500	-	31000	-									
	T_{OUT} [kgf·m]	-	-	2640	-	3180	-	3160	-	3310	-	3520	-	3520	-	3160	-									
	Pro[N]	-	-	121000	-	130000	-	146000	-	161000	-	182000	-	200000	-	226000	-									
6265	P_1 [kW]	-	-	175	-	175	-	140	-	101	-	68.4	-	49.8	-	32.3	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	30100	-	41000	-	46000	-	46000	-	46000	-	46000	-	44000	-									
	T_{OUT} [kgf·m]	-	-	3070	-	4180	-	4690	-	4690	-	4690	-	4690	-	4490	-									
	Pro[N]	-	-	148000	-	158000	-	177000	-	197000	-	222000	-	243000	-	274000	-									
6275	P_1 [kW]	-	-	-	-	-	-	-	-	150	-	101	-	73.9	-	50.1	-	CHH C-72 CVV C-84								
	T_{OUT} [N·m]	-	-	-	-	-	-	-	-	68200	-	68200	-	68200	-	68200	-									
	T_{OUT} [kgf·m]	-	-	-	-	-	-	-	-	6950	-	6950	-	6950	-	6950	-									
	Pro[N]	-	-	-	-	-	-	-	-	228000	-	248000	-	248000	-	245000	-									
Frame Size	n_2 [r/min] Ratio[Z]	96.7 6	72.5 8	52.7 11	44.6 13	38.7 15	34.1 17	27.6 21	23.2 25	20.0 29	16.6 35	13.5 43	11.4 51	9.83 59	8.17 71	6.67 87	4.87 119	Page of Dim.								

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

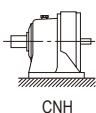
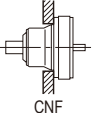
2. Refer to pages F-15~16 for allowable radial load for input shaft.

M E M O

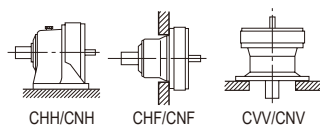
REDUCERS
Selection Tables
Ratio xxx - xxx

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

Input Speed		$n_1 = 720$ r/min n_1: Input Speed [r/min] n_2: Output Speed [r/min] P_1: Allowable input power [kW] T_{out}: Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.																		  	
Frame Size	n_2 [r/min] Ratio[Z]	120	90.0	65.5	55.4	48.0	42.4	34.3	28.8	24.8	20.6	16.7	14.1	12.2	10.1	8.28	6.05	Page			
		6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	of Dim.			
6060	P_1 [kW]	0.200	0.200	0.173	0.147	0.127	0.112	0.091	0.076	0.066	0.054	0.044	-	-	-	-	-	-	CNH C-71		
	T_{out} [N·m]	15.1	20.2	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	-	-	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	1.54	2.06	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	-	-	-	-	-	-	CNV C-82		
	Pro[N]	999	1050	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-	-			
	Pro[kgf]	102	107	120	120	120	120	120	120	120	120	120	-	-	-	-	-	-			
6065	P_1 [kW]	0.286	0.259	0.216	0.183	0.159	0.140	0.113	0.095	0.082	0.068	0.055	-	-	-	-	-	-	CNH C-71		
	T_{out} [N·m]	21.6	26.1	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	-	-	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	2.20	2.66	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	-	-	-	-	-	-	CNV C-82		
	Pro[N]	987	985	1140	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-	-			
	Pro[kgf]	101	100	116	120	120	120	120	120	120	120	120	-	-	-	-	-	-			
6070	P_1 [kW]	0.347	0.325	0.325	0.275	0.238	0.210	0.170	0.143	0.123	0.102	0.083	0.070	0.061	-	-	-	-	CNH C-71		
	T_{out} [N·m]	26.2	32.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	2.67	3.34	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	-	-	-	-	CNV C-82		
	Pro[N]	1710	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1750	1770	-	-	-	-			
	Pro[kgf]	174	180	180	180	180	180	180	180	180	180	180	178	180	-	-	-	-			
6075	P_1 [kW]	0.376	0.325	0.344	0.322	0.317	0.280	0.227	0.190	0.164	0.136	0.111	0.089	0.077	-	-	-	-	CNH C-71		
	T_{out} [N·m]	28.4	32.8	47.7	52.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	56.9	57.4	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	2.90	3.34	4.86	5.37	6.12	6.12	6.12	6.12	6.12	6.12	6.12	5.80	5.85	-	-	-	-	CNV C-82		
	Pro[N]	1700	1770	1770	1770	1770	1770	1770	1770	1770	1770	1660	1580	1580	-	-	-	-			
	Pro[kgf]	173	180	180	180	180	180	180	180	180	180	169	161	161	-	-	-	-			
6080	P_1 [kW]	0.592	0.592	0.577	0.488	0.423	0.373	0.292	0.254	0.219	0.181	0.148	0.124	0.108	0.089	0.073	-	-	CNH C-71		
	T_{out} [N·m]	44.8	59.7	80.0	80.0	80.0	80.0	77.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	CNF C-76		
	T_{out} [kgf·m]	4.57	6.09	8.15	8.15	8.15	8.15	7.87	8.15	8.15	8.15	8.15	8.15	8.15	8.15	8.15	-	-	CNV C-82		
	Pro[N]	2380	2560	2560	2560	2560	2560	2560	2560	2500	2560	2540	2480	2510	2460	2450	-	-			
	Pro[kgf]	243	261	261	261	261	261	261	261	255	261	259	253	256	251	250	-	-			
6085	P_1 [kW]	0.778	0.778	0.683	0.610	0.529	0.467	0.292	0.317	0.274	0.227	0.185	0.156	0.135	0.112	0.091	-	-	CNH C-71		
	T_{out} [N·m]	58.8	78.4	94.7	100	100	100	77.2	100	100	100	100	100	100	100	100	-	-	CNF C-76		
	T_{out} [kgf·m]	5.99	7.99	9.65	10.2	10.2	10.2	7.87	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	-	-	CNV C-82		
	Pro[N]	2350	2530	2560	2560	2560	2560	2360	2300	2420	2340	2290	2310	2260	2260	-	-	-			
	Pro[kgf]	240	258	261	261	261	261	241	234	247	239	233	235	230	230	-	-	-			
6090	P_1 [kW]	1.15	1.15	1.08	0.916	0.794	0.700	0.567	0.476	0.410	0.340	0.277	0.231	0.196	0.148	0.137	0.072	-	CNH C-71		
	T_{out} [N·m]	86.7	116	150	150	150	150	150	150	150	150	150	149	146	132	150	108	-	CNF C-76		
	T_{out} [kgf·m]	8.84	11.8	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.2	14.9	13.5	15.3	11.0	-	CNV C-82		
	Pro[N]	3340	3340	3340	3340	3340	3340	3280	3290	3300	3310	3280	3300	3310	3310	3310	-	-			
	Pro[kgf]	340	340	340	340	340	340	334	335	336	337	334	336	337	337	337	-	-			
6095	P_1 [kW]	1.52	1.52	1.24	1.19	1.06	0.934	0.756	0.588	0.547	0.453	0.369	0.239	0.196	0.148	0.154	0.072	-	CNH C-71		
	T_{out} [N·m]	115	153	172	196	200	200	200	185	200	200	200	153	146	132	169	108	-	CNF C-76		
	T_{out} [kgf·m]	11.7	15.6	17.5	20.0	20.4	20.4	20.4	18.9	20.4	20.4	20.4	15.6	14.9	13.5	17.2	11.0	-	CNV C-82		
	Pro[N]	3340	3340	3340	3340	3340	3340	3210	3200	3200	3220	3280	3300	3310	3280	3310	-	-			
	Pro[kgf]	340	340	340	340	340	340	327	326	326	328	334	336	337	334	337	-	-			
6100	P_1 [kW]	2.26	2.20	1.80	1.53	1.32	1.17	0.945	0.794	0.684	0.567	0.461	0.389	0.336	0.279	0.228	0.167	-	CNH C-71		
	T_{out} [N·m]	171	222	250	250	250	250	250	250	250	250	250	250	250	250	250	250	-	CNF C-76		
	T_{out} [kgf·m]	17.4	22.6	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	-	CNV C-82		
	Pro[N]	5080	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5380	5400	5360	-			
	Pro[kgf]	518	550	550	550	550	550	550	550	550	550	550	550	550	548	550	546	-			
6105	P_1 [kW]	2.26	2.20	2.22	1.83	1.59	1.40	1.13	0.952	0.821	0.680	0.554	0.462	0.398	0.295	0.274	0.172	-	CNH C-71		
	T_{out} [N·m]	171	222	308	300	300	300	300	300	300	300	300	297	296	264	300	258	-	CNF C-76		
	T_{out} [kgf·m]	17.4	22.6	31.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.3	30.2	26.9	30.6	26.3	-	CNV C-82		
	Pro[N]	5080	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5310	5090	5370	4780	5350	-			
	Pro[kgf]	518	550	550	550	550	550	550	550	550	550	550	541	519	547	487	545	-			
6110	P_1 [kW]	2.56	3.55	2.60	2.20	1.90	1.68	1.36	1.14	0.985	0.816	0.664	0.560	0.484	0.402	0.328	-	-	CNH C-71		
	T_{out} [N·m]	193	358	360	360	360	360	360	360	360	360	360	360	360	360	360	-	-	CNF C-76		
	T_{out} [kgf·m]	19.7	36.5	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	-	-	CNV C-82		
	Pro[N]	5760	6280	7260	7550	7610	7610	7610	7340	7200	7280	7590	7590	7610	7580	7600	-	-			
	Pro[kgf]	587	640	740	770	776	776	776	748	734	742	774	774	776	773	775	-	-			
6115	P_1 [kW]	2.56	3.92	3.03	2.56	2.22	1.96	1.59	1.33	1.15	0.952	0.775	0.654	0.565	0.469	0.383	-	-	CNH C-71		
	T_{out} [N·m]	193	395	420	420	420	420	420	420	420	420	420	420	420	420	420	-	-	CNF C-76		
	T_{out} [kgf·m]	19.7	40.3	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	-	-	CNV C-82		
	Pro[N]	5760	6230	7180	7480	7610	7500	7460	7150	7010	7090	7370	7410	7430	7390	7410	-	-			
	Pro[kgf]	587	635	732	762	776	765	760	729	715	723	751	755	757	753	755	-	-			
6120	P_1 [kW]	4.85	4.72	3.79	3.20	2.78	2.43	1.97	1.67	1.42	1.19	0.969	0.817	0.706	0.587	0.479	-	-	CNH C-71		
	T_{out} [N·m]	366	476	525	525	525	520	522	525	520	525	525	525	525	525	525	-	-	CNF C-76		
	T_{out} [kgf·m]	37.3	48.5	53.5	53.5	53.5	53.0	53.2	53.5	53.0	53.5	53.5	53.5	53.5	53.5	53.5	-	-	CNV C-82		
	Pro[N]	6380	7080	8100	8420	9090	9230	9810	9810	9810	9810	9810	9810	9810	9810	9780	-	-			
	Pro[kgf]	650	722	826	858	927	941	1000	1000	1000	1000	1000	1000	1000	1000	997	-	-			
Frame Size	n_2 [r/min] Ratio[Z]	120	90.																		

Selection Tables 6000 Series Reducer



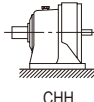
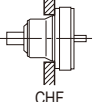
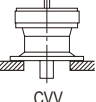
Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195

n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]	Input Speed	$n_1 = 720$ r/min
n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]		
P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.		

Frame Size	n_2 [r/min] Ratio[Z]	120	90.0	65.5	55.4	48.0	42.4	34.3	28.8	24.8	20.6	16.7	14.1	12.2	10.1	8.28	6.05	Page
		6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	of Dim.
6125	P_1 [kW]	4.85	4.72	4.09	3.69	3.33	2.94	2.38	2.00	1.72	1.43	1.16	0.980	0.847	0.661	0.575	-	CNH C-71 CNF C-76 CNV C-82
	T_{out} [N·m]	366	476	567	605	630	630	630	630	630	630	630	630	630	592	630	-	
	T_{out} [kgf·m]	37.3	48.5	57.8	61.7	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	60.3	64.2	-	
	Pro[N]	6380	7080	8050	8340	8990	9130	9810	9810	9810	9810	9810	9810	9810	9810	9560	-	
	Pro[kgf]	650	722	821	850	916	931	1000	1000	1000	1000	1000	1000	1000	1000	975	-	
6130	P_1 [kW]	7.19	7.07	5.63	4.76	4.13	3.64	2.95	2.48	2.13	1.77	1.44	1.43	1.23	1.01	0.774	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	543	713	780	780	780	780	780	780	780	780	780	920	912	902	848	-	
	T_{out} [kgf·m]	55.4	72.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	93.8	93.0	91.9	86.4	-	
	Pro[N]	7350	8170	9450	9920	10200	11000	11800	12300	13000	13800	14700	14700	14700	14700	14700	-	
	Pro[kgf]	749	833	963	1010	1040	1120	1200	1250	1330	1410	1500	1500	1500	1500	1500	-	
6135	P_1 [kW]	7.87	7.27	6.78	5.74	4.97	4.39	3.55	2.86	2.57	2.13	1.73	1.49	1.41	1.16	0.893	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	595	733	940	940	940	940	940	900	940	940	940	959	1050	1040	979	-	
	T_{out} [kgf·m]	60.7	74.7	95.8	95.8	95.8	95.8	95.8	91.7	95.8	95.8	95.8	97.8	107	106	99.8	-	
	Pro[N]	7290	8150	9300	9790	10100	10900	11700	12200	12900	13600	14700	14700	14700	14700	14700	-	
	Pro[kgf]	743	831	948	998	1030	1110	1190	1240	1310	1390	1500	1500	1500	1500	1500	-	
6140	P_1 [kW]	9.48	9.20	8.84	7.48	6.48	5.72	4.63	3.89	3.35	2.78	2.26	1.91	1.65	1.37	1.12	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	717	928	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	-	
	T_{out} [kgf·m]	73.1	94.6	125	125	125	125	125	125	125	125	125	125	125	125	125	-	
	Pro[N]	11300	12600	14100	14500	15100	15900	16000	16000	16000	16000	16000	16000	16000	16000	16000	-	
	Pro[kgf]	1150	1280	1440	1480	1540	1620	1630	1630	1630	1630	1630	1630	1630	1630	1630	-	
6145	P_1 [kW]	9.48	9.20	9.32	8.36	7.18	6.40	5.06	4.35	3.75	3.11	2.53	2.13	1.84	1.48	1.14	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	717	928	1290	1370	1360	1370	1340	1370	1370	1370	1370	1370	1370	1320	1250	-	
	T_{out} [kgf·m]	73.1	94.6	131	140	139	140	137	140	140	140	140	140	140	135	127	-	
	Pro[N]	11300	12600	14000	14400	15100	15800	16000	16000	15800	16000	15700	15700	16000	16000	16000	-	
	Pro[kgf]	1150	1280	1430	1470	1540	1610	1630	1630	1610	1630	1600	1600	1630	1630	1630	-	
6160	P_1 [kW]	17.5	17.4	12.7	10.7	9.29	8.19	6.63	5.57	4.80	3.98	3.20	2.73	2.36	1.96	1.60	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1320	1760	1760	1760	1760	1760	1760	1760	1760	1760	1740	1760	1760	1760	1760	-	
	T_{out} [kgf·m]	135	179	179	179	179	179	179	179	179	179	177	179	179	179	179	-	
	Pro[N]	12500	13800	16000	16900	18000	18600	20100	21200	22100	22100	22100	22100	22100	22100	22100	-	
	Pro[kgf]	1270	1410	1630	1720	1830	1900	2050	2160	2250	2250	2250	2250	2250	2250	2250	-	
6165	P_1 [kW]	17.5	17.8	15.2	12.8	11.1	9.80	7.94	6.67	5.75	4.76	3.88	3.27	2.82	2.35	1.87	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1320	1790	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2050	-	
	T_{out} [kgf·m]	135	182	214	214	214	214	214	214	214	214	214	214	214	214	209	-	
	Pro[N]	12500	13800	15800	16600	17700	18400	19900	21000	22000	22100	22100	22100	22100	22100	21800	-	
	Pro[kgf]	1270	1410	1610	1690	1800	1880	2030	2140	2240	2250	2250	2250	2250	2250	2220	-	
6170	P_1 [kW]	24.6	25.1	18.3	15.4	13.4	11.8	9.56	8.03	6.92	5.74	4.67	3.94	3.40	2.83	2.31	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1860	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	-	
	T_{out} [kgf·m]	190	258	258	258	258	258	258	258	258	258	258	258	258	258	258	-	
	Pro[N]	13900	15200	17900	18800	19800	20700	22600	23600	25000	26600	28500	29500	29500	29500	29500	-	
	Pro[kgf]	1420	1550	1820	1920	2020	2110	2300	2410	2550	2710	2910	3010	3010	3010	3010	-	
6175	P_1 [kW]	24.6	25.8	22.7	19.2	16.7	14.7	11.9	10.00	8.62	7.14	5.81	4.90	4.24	3.52	2.87	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1860	2600	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	-	
	T_{out} [kgf·m]	190	265	321	321	321	321	321	321	321	321	321	321	321	321	321	-	
	Pro[N]	13900	15200	17500	18400	19400	20400	22300	23300	24600	26300	28200	29500	29500	29500	29500	-	
	Pro[kgf]	1420	1550	1780	1880	1980	2080	2270	2380	2510	2680	2870	3010	3010	3010	3010	-	
6180	P_1 [kW]	-	-	29.3	24.8	21.5	19.0	15.3	12.9	11.1	9.19	7.49	6.30	5.45	4.53	3.70	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	4060	4060	4060	4060	4050	4050	4050	4050	4060	4050	4050	4050	4060	-	
	T_{out} [kgf·m]	-	-	414	414	414	414	413	413	413	413	414	413	413	413	414	-	
	Pro[N]	-	-	23700	24800	26200	27800	30200	31500	33100	35500	38200	39700	41700	41700	41700	-	
	Pro[kgf]	-	-	2420	2530	2670	2830	3080	3210	3370	3620	3890	4050	4250	4250	4250	-	
6185	P_1 [kW]	-	-	34.7	29.9	23.5	22.4	18.9	15.9	13.7	11.3	9.23	7.78	6.73	5.05	4.56	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	4810	4900	4440	4790	5000	5000	5000	5000	5000	5000	5000	4510	5000	-	
	T_{out} [kgf·m]	-	-	490	499	453	488	510	510	510	510	510	510	510	460	510	-	
	Pro[N]	-	-	23300	24400	26000	27400	29800	31200	32700	35100	37800	39400	41300	41700	41700	-	
	Pro[kgf]	-	-	2380	2490	2650	2790	3040	3180	3330	3580	3850	4020	4210	4250	4250	-	
6190	P_1 [kW]	-	-	41.0	38.9	33.8	29.8	24.1	20.3	17.5	14.5	11.8	9.93	8.58	7.13	5.82	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	5680	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	-	
	T_{out} [kgf·m]	-	-	579	650	650	650	650	650	650	650	650	650	650	650	650	-	
	Pro[N]	-	-	33200	34300	36300	38500	41800	44000	46300	49100	53100	55500	58300	58400	58900	-	
	Pro[kgf]	-	-	3380	3500	3700	3920	4260	4490	4720	5010	5410	5660	5940	5950	6000	-	
6195	P_1 [kW]	-	-	48.1	42.6	39.2	37.2	30.1	25.3	21.8	18.0	14.7	12.4	10.7	8.90	7.26	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	6670	6980	7410	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	-	
	T_{out} [kgf·m]	-	-	680	712	755	811	811	811	811	811	811	811	811	811	811	-	
	Pro[N]	-	-	32800	34100	35800	37900	41400	43500	45900	48700	52600	55000	57900	58000	58400	-	
	Pro[kgf]	-	-	3340	3480	3650	3860	4220	4430	4680	4960	5360	5610	5900	5910	5950	-	
Frame Size	n_2																	

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

Input Speed		$n_1 = 720$ r/min		n_1 : Input Speed [r/min] n_2 : Output Speed [r/min] P_1 : Allowable input power [kW]										T_{out} : Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.						 CHH		 CHF		 CVV	
Frame Size	n_2 [r/min] Ratio[Z]	120	90.0	65.5	55.4	48.0	42.4	34.3	28.8	24.8	20.6	16.7	14.1	12.2	10.1	8.28	6.05	Page of Dim.							
		6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119								
6205	P_1 [kW]	-	-	55.2	-	49.0	-	35.0	-	25.3	-	17.2	-	12.5	-	7.99	-	CHH C-72 CHF C-77 CVV C-84							
	T_{OUT} [N·m]	-	-	7650	-	9270	-	9270	-	9230	-	9300	-	9300	-	8760	-								
	T_{OUT} [kgf·m]	-	-	780	-	945	-	945	-	941	-	948	-	948	-	893	-								
	Pro[N]	-	-	63000	-	67800	-	76300	-	83600	-	84100	-	84100	-	84100	-								
	Pro[kgf]	-	-	6420	-	6910	-	7780	-	8520	-	8570	-	8570	-	8570	-								
6215	P_1 [kW]	-	-	75.3	-	64.4	-	47.2	-	34.6	-	23.3	-	17.0	-	10.3	-	CHH C-72 CHF C-77 CVV C-84							
	T_{OUT} [N·m]	-	-	10400	-	12200	-	12500	-	12700	-	12700	-	12700	-	11300	-								
	T_{OUT} [kgf·m]	-	-	1060	-	1240	-	1270	-	1290	-	1290	-	1290	-	1150	-								
	Pro[N]	-	-	63000	-	67900	-	77200	-	84400	-	95800	-	104000	-	104000	-								
	Pro[kgf]	-	-	6420	-	6920	-	7870	-	8600	-	9770	-	10600	-	10600	-								
6225	P_1 [kW]	-	-	88.1	-	76.6	-	55.9	-	41.2	-	29.5	-	21.4	-	13.7	-	CHH C-72 CHF C-77 CVV C-84							
	T_{OUT} [N·m]	-	-	12200	-	14500	-	14800	-	15000	-	16000	-	15900	-	15100	-								
	T_{OUT} [kgf·m]	-	-	1240	-	1480	-	1510	-	1530	-	1630	-	1620	-	1540	-								
	Pro[N]	-	-	66600	-	72100	-	81200	-	89000	-	101000	-	110000	-	124000	-								
	Pro[kgf]	-	-	6790	-	7350	-	8280	-	9070	-	10300	-	11200	-	12600	-								
6235	P_1 [kW]	-	-	113	-	104	-	71.4	-	51.7	-	37.6	-	27.3	-	15.7	-	CHH C-72 CHF C-77 CVV C-84							
	T_{OUT} [N·m]	-	-	15700	-	19600	-	18900	-	18900	-	20400	-	20300	-	17200	-								
	T_{OUT} [kgf·m]	-	-	1600	-	2000	-	1930	-	1930	-	2080	-	2070	-	1750	-								
	Pro[N]	-	-	83400	-	89000	-	101000	-	111000	-	125000	-	137000	-	155000	-								
	Pro[kgf]	-	-	8500	-	9070	-	10300	-	11300	-	12700	-	14000	-	15800	-								
6245	P_1 [kW]	-	-	132	-	132	-	97.5	-	70.6	-	47.6	-	34.7	-	20.7	-	CHH C-72 CHF C-77 CVV C-84							
	T_{OUT} [N·m]	-	-	18300	-	24900	-	25800	-	25800	-	25800	-	25800	-	22600	-								
	T_{OUT} [kgf·m]	-	-	1870	-	2540	-	2630	-	2630	-	2630	-	2630	-	2300	-								
	Pro[N]	-	-	92600	-	98800	-	112000	-	123000	-	139000	-	152000	-	173000	-								
	Pro[kgf]	-	-	9440	-	10100	-	11400	-	12500	-	14200	-	15500	-	17600	-								
6255	P_1 [kW]	-	-	151	-	151	-	117	-	88.9	-	61.5	-	44.9	-	28.3	-	CHH C-72 CHF C-77 CVV C-84							
	T_{OUT} [N·m]	-	-	20900	-	28500	-	31000	-	32500	-	33300	-	33400	-	31000	-								
	T_{OUT} [kgf·m]	-	-	2130	-	2910	-	3160	-	3310	-	3390	-	3400	-	3160	-								
	Pro[N]	-	-	114000	-	122000	-	136000	-	151000	-	170000	-	187000	-	211000	-								
	Pro[kgf]	-	-	11600	-	12400	-	13900	-	15400	-	17300	-	19100	-	21500	-								
6265	P_1 [kW]	-	-	175	-	175	-	172	-	126	-	84.9	-	61.9	-	40.2	-	CHH C-72 CHF C-77 CVV C-84							
	T_{OUT} [N·m]	-	-	24200	-	33000	-	45400	-	46000	-	46000	-	46000	-	44000	-								
	T_{OUT} [kgf·m]	-	-	2470	-	3360	-	4630	-	4690	-	4690	-	4690	-	4490	-								
	Pro[N]	-	-	140000	-	149000	-	166000	-	184000	-	208000	-	228000	-	257000	-								
	Pro[kgf]	-	-	14300	-	15200	-	16900	-	18800	-	21200	-	23200	-	26200	-								
6275	P_1 [kW]	-	-	-	-	-	-	-	-	159	-	126	-	91.7	-	53.4	-	CHH C-72 CVV C-84							
	T_{OUT} [N·m]	-	-	-	-	-	-	-	-	58100	-	68200	-	68200	-	58600	-								
	T_{OUT} [kgf·m]	-	-	-	-	-	-	-	-	5920	-	6950	-	6950	-	5970	-								
	Pro[N]	-	-	-	-	-	-	-	-	214000	-	248000	-	248000	-	240000	-								
	Pro[kgf]	-	-	-	-	-	-	-	-	21800	-	25300	-	25300	-	24500	-								
Frame Size	n_2 [r/min] Ratio[Z]	120	90.0	65.5	55.4	48.0	42.4	34.3	28.8	24.8	20.6	16.7	14.1	12.2	10.1	8.28	6.05	Page of Dim.							

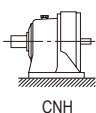
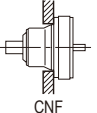
Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.
2. Refer to pages F-15~16 for allowable radial load for input shaft.

M E M O

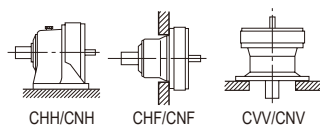
REDUCERS
Selection Tables
Ratio xxx - xxx

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

Input Speed		$n_1 = 870$ r/min n_1: Input Speed [r/min] n_2: Output Speed [r/min] P_1: Allowable input power [kW] T_{out}: Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.																		  	
Frame Size	n_2 [r/min] Ratio[Z]	145	109	79.1	66.9	58.0	51.2	41.4	34.8	30.0	24.9	20.2	17.1	14.7	12.3	10.0	7.31	Page			
		6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	of Dim.			
6060	P_1 [kW]	0.200	0.200	0.200	0.177	0.153	0.135	0.110	0.092	0.079	0.066	0.054	-	-	-	-	-	-	CNH C-71		
	T_{out} [N·m]	12.5	16.7	22.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	-	-	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	1.27	1.70	2.33	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	-	-	-	-	-	-	CNV C-82		
	Pro[N]	940	1070	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-	-			
	Pro[kgf]	95.8	109	120	120	120	120	120	120	120	120	120	-	-	-	-	-	-			
6065	P_1 [kW]	0.286	0.286	0.262	0.221	0.192	0.169	0.137	0.115	0.099	0.082	0.067	-	-	-	-	-	-	CNH C-71		
	T_{out} [N·m]	17.9	23.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	-	-	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	1.82	2.44	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	-	-	-	-	-	-	CNV C-82		
	Pro[N]	931	1010	1140	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-	-			
	Pro[kgf]	94.9	103	116	120	120	120	120	120	120	120	120	-	-	-	-	-	-			
6070	P_1 [kW]	0.347	0.347	0.347	0.332	0.288	0.254	0.205	0.173	0.149	0.123	0.100	0.085	0.073	-	-	-	-	CNH C-71		
	T_{out} [N·m]	21.7	28.9	39.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	2.21	2.95	4.06	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	-	-	-	-	CNV C-82		
	Pro[N]	1610	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1750	1770	-	-	-	-			
	Pro[kgf]	164	180	180	180	180	180	180	180	180	180	180	178	180	-	-	-	-			
6075	P_1 [kW]	0.407	0.361	0.397	0.372	0.369	0.338	0.274	0.224	0.198	0.164	0.134	0.107	0.092	-	-	-	-	CNH C-71		
	T_{out} [N·m]	25.5	30.1	45.6	50.4	57.7	60.0	60.0	58.4	60.0	60.0	60.0	56.9	56.7	-	-	-	-	CNF C-76		
	T_{out} [kgf·m]	2.60	3.07	4.65	5.14	5.88	6.12	6.12	5.95	6.12	6.12	6.12	5.80	5.78	-	-	-	-	CNV C-82		
	Pro[N]	1600	1770	1770	1770	1770	1770	1770	1770	1770	1770	1660	1580	1600	-	-	-	-			
	Pro[kgf]	163	180	180	180	180	180	180	180	180	180	169	161	163	-	-	-	-			
6080	P_1 [kW]	0.592	0.592	0.592	0.590	0.511	0.451	0.353	0.307	0.265	0.219	0.178	0.150	0.130	0.108	0.088	-	-	CNH C-71		
	T_{out} [N·m]	37.1	49.4	67.9	80.0	80.0	80.0	77.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	CNF C-76		
	T_{out} [kgf·m]	3.78	5.04	6.92	8.15	8.15	8.15	7.87	8.15	8.15	8.15	8.15	8.15	8.15	8.15	8.15	-	-	CNV C-82		
	Pro[N]	2240	2420	2560	2560	2560	2560	2560	2560	2500	2560	2540	2480	2510	2460	2450	-	-			
	Pro[kgf]	228	247	261	261	261	261	261	261	255	261	259	253	256	251	250	-	-			
6085	P_1 [kW]	0.778	0.778	0.775	0.738	0.639	0.564	0.353	0.384	0.331	0.274	0.223	0.188	0.163	0.135	0.110	-	-	CNH C-71		
	T_{out} [N·m]	48.7	64.9	88.9	100	100	100	77.2	100	100	100	100	100	100	100	100	-	-	CNF C-76		
	T_{out} [kgf·m]	4.96	6.62	9.06	10.2	10.2	10.2	7.87	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	-	-	CNV C-82		
	Pro[N]	2220	2390	2560	2560	2560	2560	2360	2300	2420	2340	2290	2310	2260	2260	-	-	-			
	Pro[kgf]	226	244	261	261	261	261	241	234	247	239	233	235	230	230	-	-	-			
6090	P_1 [kW]	1.15	1.15	1.15	1.11	0.959	0.846	0.685	0.575	0.496	0.411	0.335	0.280	0.237	0.179	0.165	0.087	-	CNH C-71		
	T_{out} [N·m]	71.7	95.6	131	150	150	150	150	150	150	150	149	146	132	150	108	-	-	CNF C-76		
	T_{out} [kgf·m]	7.31	9.75	13.4	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.2	14.9	13.5	15.3	11.0	-	-	CNV C-82		
	Pro[N]	3290	3340	3340	3340	3340	3340	3280	3290	3300	3310	3280	3300	3310	3310	3310	-	-			
	Pro[kgf]	335	340	340	340	340	340	334	335	336	337	334	336	337	337	337	-	-			
6095	P_1 [kW]	1.52	1.52	1.43	1.38	1.28	1.13	0.913	0.680	0.637	0.548	0.430	0.288	0.237	0.179	0.178	0.087	-	CNH C-71		
	T_{out} [N·m]	94.8	126	164	187	200	200	200	177	193	200	193	153	146	132	162	108	-	CNF C-76		
	T_{out} [kgf·m]	9.66	12.8	16.7	19.1	20.4	20.4	20.4	18.0	19.7	20.4	19.7	15.6	14.9	13.5	16.5	11.0	-	CNV C-82		
	Pro[N]	3240	3340	3340	3340	3340	3340	3230	3210	3200	3230	3280	3300	3310	3290	3310	-	-			
	Pro[kgf]	330	340	340	340	340	340	329	327	326	329	334	336	337	335	337	-	-			
6100	P_1 [kW]	2.35	2.35	2.18	1.84	1.60	1.41	1.14	0.959	0.827	0.685	0.558	0.470	0.406	0.338	0.276	0.201	-	CNH C-71		
	T_{out} [N·m]	147	196	250	250	250	250	250	250	250	250	250	250	250	250	250	250	-	CNF C-76		
	T_{out} [kgf·m]	15.0	20.0	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	-	CNV C-82		
	Pro[N]	4790	5320	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5380	5400	5360	-			
	Pro[kgf]	488	542	550	550	550	550	550	550	550	550	550	550	550	548	550	546	-			
6105	P_1 [kW]	2.73	2.54	2.61	2.21	1.92	1.69	1.37	1.15	0.992	0.822	0.669	0.558	0.481	0.357	0.331	0.208	-	CNH C-71		
	T_{out} [N·m]	171	212	300	300	300	300	300	300	300	300	297	296	264	300	258	-	-	CNF C-76		
	T_{out} [kgf·m]	17.4	21.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.3	30.2	26.9	30.6	26.3	-	-	CNV C-82		
	Pro[N]	4760	5300	5400	5400	5400	5400	5400	5400	5400	5400	5400	5310	5090	5370	4780	5350	-			
	Pro[kgf]	485	540	550	550	550	550	550	550	550	550	550	541	519	547	487	545	-			
6110	P_1 [kW]	3.09	3.55	3.14	2.66	2.30	2.03	1.64	1.38	1.19	0.986	0.803	0.677	0.585	0.486	0.397	-	-	CNH C-71		
	T_{out} [N·m]	193	296	360	360	360	360	360	360	360	360	360	360	360	360	360	-	-	CNF C-76		
	T_{out} [kgf·m]	19.7	30.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	-	-	CNV C-82		
	Pro[N]	5400	5940	6790	7060	7570	7610	7610	7340	7200	7280	7590	7590	7610	7580	7600	-	-			
	Pro[kgf]	550	606	692	720	772	776	776	748	734	742	774	774	776	773	775	-	-			
6115	P_1 [kW]	3.09	3.92	3.66	3.10	2.69	2.37	1.92	1.61	1.39	1.15	0.937	0.790	0.683	0.567	0.463	-	-	CNH C-71		
	T_{out} [N·m]	193	327	420	420	420	420	420	420	420	420	420	420	420	420	420	-	-	CNF C-76		
	T_{out} [kgf·m]	19.7	33.3	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	-	-	CNV C-82		
	Pro[N]	5400	5910	6710	6990	7500	7500	7460	7150	7010	7090	7370	7410	7430	7390	7410	-	-			
	Pro[kgf]	550	602	684	713	765	765	760	729	715	723	751	755	757	753	755	-	-			
6120	P_1 [kW]	5.07	5.07	4.58	3.87	3.36	2.93	2.38	2.01	1.72	1.44	1.17	0.987	0.853	0.709	0.579	-	-	CNH C-71		
	T_{out} [N·m]	317	423	525	525	525	520	522	525	520	525	525	525	525	525	525	-	-	CNF C-76		
	T_{out} [kgf·m]	32.3	43.1	53.5	53.5	53.5	53.0	53.2	53.5	53.0	53.5	53.5	53.5	53.5	53.5	53.5	-	-	CNV C-82		
	Pro[N]	6020	6680	7570	7870	8510	8640	9540	9810	9810	9810	9810	9810	9810	9810	9780	-	-			
	Pro[kgf]	614	681	772	802	867	881	972	1000	1000	1000	1000	1000	1000	1000	997	-	-			
Frame Size	n_2 [r/min] Ratio[Z]	145	109	79.1	66.																

Selection Tables 6000 Series Reducer



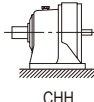
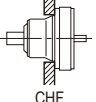
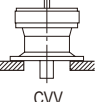
Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195

n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.
Input Speed $n_1 = 870$ r/min	

Frame Size	n_2 [r/min]	145	109	79.1	66.9	58.0	51.2	41.4	34.8	30.0	24.9	20.2	17.1	14.7	12.3	10.0	7.31	Page
	Ratio[Z]	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	of Dim.
6125	P_1 [kW]	5.84	5.45	4.73	4.27	4.03	3.55	2.88	2.42	2.08	1.73	1.40	1.18	1.02	0.770	0.694	-	CNH C-71 CNF C-76 CNV C-82
	T_{out} [N·m]	366	455	542	579	630	630	630	630	630	630	630	630	630	570	630	-	
	T_{out} [kgf·m]	37.3	46.4	55.2	59.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	58.1	64.2	-	
	Pro[N]	5960	6640	7550	7820	8400	8540	9440	9810	9810	9810	9810	9810	9810	9810	9560	-	
	Pro[kgf]	608	677	770	797	856	871	962	1000	1000	1000	1000	1000	1000	1000	975	-	
6130	P_1 [kW]	8.31	8.17	6.80	5.75	4.99	4.40	3.56	2.99	2.58	2.14	1.74	1.65	1.43	1.19	0.935	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	520	682	780	780	780	780	780	780	780	780	780	880	880	880	848	-	
	T_{out} [kgf·m]	53.0	69.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	89.7	89.7	89.7	86.4	-	
	Pro[N]	6890	7660	8830	9270	9520	10300	11000	11500	12200	12900	13900	14500	14700	14700	14700	-	
	Pro[kgf]	702	781	900	945	970	1050	1120	1170	1240	1310	1420	1480	1500	1500	1500	-	
6135	P_1 [kW]	9.10	8.40	8.19	6.92	6.01	5.30	4.29	3.45	3.11	2.58	2.10	1.72	1.65	1.37	1.08	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	569	701	940	938	940	940	940	900	940	940	940	917	1010	1010	979	-	
	T_{out} [kgf·m]	58.0	71.5	95.8	95.6	95.8	95.8	95.8	91.7	95.8	95.8	95.8	93.5	103	103	99.8	-	
	Pro[N]	6830	7640	8680	9150	9400	10100	10900	11500	12100	12800	13800	14400	14700	14700	14700	-	
	Pro[kgf]	696	779	885	933	958	1030	1110	1170	1230	1300	1410	1470	1500	1500	1500	-	
6140	P_1 [kW]	11.2	10.6	10.7	9.04	7.83	6.91	5.59	4.70	4.05	3.36	2.73	2.30	1.99	1.65	1.35	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	698	887	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	-	
	T_{out} [kgf·m]	71.2	90.4	125	125	125	125	125	125	125	125	125	125	125	125	125	-	
	Pro[N]	10700	11900	13300	13600	14300	15000	16000	16000	16000	16000	16000	16000	16000	16000	16000	-	
	Pro[kgf]	1090	1210	1360	1390	1460	1530	1630	1630	1630	1630	1630	1630	1630	1630	1630	-	
6145	P_1 [kW]	11.2	10.6	11.0	10.1	8.68	7.73	6.11	5.26	4.53	3.75	3.06	2.50	2.15	1.77	1.38	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	698	887	1260	1370	1360	1370	1340	1370	1370	1370	1370	1330	1320	1310	1250	-	
	T_{out} [kgf·m]	71.2	90.4	128	140	139	140	137	140	140	140	140	136	135	134	127	-	
	Pro[N]	10700	11900	13300	13600	14200	14900	16000	16000	15800	16000	15700	15900	16000	16000	16000	-	
	Pro[kgf]	1090	1210	1360	1390	1450	1520	1630	1630	1610	1630	1600	1620	1630	1630	1630	-	
6160	P_1 [kW]	20.3	19.7	15.3	12.9	11.2	9.90	8.01	6.73	5.80	4.81	3.87	3.30	2.85	2.37	1.93	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1270	1640	1760	1760	1760	1760	1760	1760	1760	1760	1740	1760	1760	1760	1760	-	
	T_{out} [kgf·m]	129	167	179	179	179	179	179	179	179	179	177	179	179	179	179	-	
	Pro[N]	11700	13000	14900	15800	16800	17400	18800	19800	20800	22100	22100	22100	22100	22100	22100	-	
	Pro[kgf]	1190	1330	1520	1610	1710	1770	1920	2020	2120	2250	2250	2250	2250	2250	2250	-	
6165	P_1 [kW]	21.2	20.6	18.3	15.5	13.4	11.8	9.59	8.06	6.94	5.75	4.68	3.95	3.41	2.84	2.26	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1320	1720	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2050	-	
	T_{out} [kgf·m]	135	175	214	214	214	214	214	214	214	214	214	214	214	214	209	-	
	Pro[N]	11600	12900	14700	15500	16600	17200	18600	19600	20500	21900	22100	22100	22100	22100	21800	-	
	Pro[kgf]	1180	1310	1500	1580	1690	1750	1900	2000	2090	2230	2250	2250	2250	2250	2220	-	
6170	P_1 [kW]	27.6	27.6	22.1	18.6	16.2	14.3	11.6	9.70	8.37	6.93	5.64	4.76	4.11	3.42	2.79	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1730	2300	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	-	
	T_{out} [kgf·m]	176	234	258	258	258	258	258	258	258	258	258	258	258	258	258	-	
	Pro[N]	13100	14400	16700	17500	18500	19400	21200	22100	23400	24900	26600	27900	29400	29500	29500	-	
	Pro[kgf]	1340	1470	1700	1780	1890	1980	2160	2250	2390	2540	2710	2840	3000	3010	3010	-	
6175	P_1 [kW]	29.7	30.1	27.5	23.2	20.1	17.8	14.4	12.1	10.4	8.63	7.02	5.92	5.12	4.25	3.47	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1860	2510	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	-	
	T_{out} [kgf·m]	190	256	321	321	321	321	321	321	321	321	321	321	321	321	321	-	
	Pro[N]	13000	14200	16300	17100	18000	19000	20800	21800	23000	24600	26300	27600	29100	29500	29500	-	
	Pro[kgf]	1330	1450	1660	1740	1830	1940	2120	2220	2340	2510	2680	2810	2970	3010	3010	-	
6180	P_1 [kW]	-	-	35.2	29.9	26.0	22.9	18.5	15.5	13.4	11.1	9.05	7.62	6.58	5.47	4.48	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	4040	4060	4060	4060	4050	4050	4050	4050	4050	4050	4050	4050	4060	-	
	T_{out} [kgf·m]	-	-	412	414	414	414	413	413	413	413	414	413	413	413	414	-	
	Pro[N]	-	-	22100	23100	24500	26000	28200	29500	31000	33200	35800	37200	39000	41600	41700	-	
	Pro[kgf]	-	-	2250	2350	2500	2650	2870	3010	3160	3380	3650	3790	3980	4240	4250	-	
6185	P_1 [kW]	-	-	39.0	36.2	27.2	25.8	22.8	19.2	16.5	13.7	11.2	9.40	8.13	6.10	5.51	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	4470	4900	4250	4580	5000	5000	5000	5000	5000	5000	5000	4510	5000	-	
	T_{out} [kgf·m]	-	-	456	499	433	467	510	510	510	510	510	510	510	460	510	-	
	Pro[N]	-	-	21900	22700	24400	25700	27900	29100	30600	32900	35400	36900	38700	41500	41700	-	
	Pro[kgf]	-	-	2230	2310	2490	2620	2840	2970	3120	3350	3610	3760	3940	4230	4250	-	
6190	P_1 [kW]	-	-	41.0	41.0	40.8	36.0	29.1	24.5	21.1	17.5	14.2	12.0	10.4	8.62	7.03	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	4700	5560	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	-	
	T_{out} [kgf·m]	-	-	479	567	650	650	650	650	650	650	650	650	650	650	650	-	
	Pro[N]	-	-	31400	32400	33900	36000	39200	41200	43400	46000	49700	52000	54600	58100	58900	-	
	Pro[kgf]	-	-	3200	3300	3460	3670	4000	4200	4420	4690	5070	5300	5570	5920	6000	-	
6195	P_1 [kW]	-	-	48.1	48.1	45.3	44.9	36.3	30.5	26.3	21.8	17.8	15.0	12.9	10.8	8.77	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	5520	6520	7090	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	-	
	T_{out} [kgf·m]	-	-	563	665	723	811	811	811	811	811	811	811	811	811	811	-	
	Pro[N]	-	-	31100	32000	33600	35400	38700	40700	42900	45500	49200	51500	54200	57600	58400	-	
	Pro[kgf]	-	-	3170	3260	3430	3610	3940	4150	4370	4640	5020	5250	5520	5870	5950	-	
Frame Size	n_2																	

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

Input Speed		$n_1 = 870$ r/min		n_2 : Input Speed [r/min] n_2 : Output Speed [r/min] P_1 : Allowable input power [kW]										T_{out} : Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.												
Frame Size	n_2 [r/min] Ratio[Z]	145	109	79.1	66.9	58.0	51.2	41.4	34.8	30.0	24.9	20.2	17.1	14.7	12.3	10.0	7.31	Page of Dim.								
6205	P_1 [kW]	-	-	59.7	-	58.3	-	42.4	-	30.5	-	20.7	-	15.1	-	9.65	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	6850	-	9130	-	9270	-	9230	-	9300	-	9300	-	8760	-									
	T_{OUT} [kgf·m]	-	-	698	-	931	-	945	-	941	-	948	-	948	-	893	-									
	Pro[N]	-	-	59700	-	63900	-	72000	-	78800	-	84100	-	84100	-	84100	-									
	Pro[kgf]	-	-	6090	-	6510	-	7340	-	8030	-	8570	-	8570	-	8570	-									
6215	P_1 [kW]	-	-	75.3	-	75.3	-	57.1	-	41.8	-	28.2	-	20.6	-	12.4	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	8640	-	11800	-	12500	-	12700	-	12700	-	12700	-	11300	-									
	T_{OUT} [kgf·m]	-	-	881	-	1200	-	1270	-	1290	-	1290	-	1290	-	1150	-									
	Pro[N]	-	-	59900	-	64000	-	72700	-	79500	-	90300	-	98700	-	104000	-									
	Pro[kgf]	-	-	6110	-	6520	-	7410	-	8100	-	9200	-	10100	-	10600	-									
6225	P_1 [kW]	-	-	99.5	-	92.6	-	67.6	-	49.7	-	35.7	-	25.8	-	16.6	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	11400	-	14500	-	14800	-	15000	-	16000	-	15900	-	15100	-									
	T_{OUT} [kgf·m]	-	-	1160	-	1480	-	1510	-	1530	-	1630	-	1620	-	1540	-									
	Pro[N]	-	-	63000	-	67900	-	76500	-	83900	-	95100	-	104000	-	117000	-									
	Pro[kgf]	-	-	6420	-	6920	-	7800	-	8550	-	9690	-	10600	-	11900	-									
6235	P_1 [kW]	-	-	113	-	113	-	86.3	-	62.5	-	43.4	-	31.6	-	18.9	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	13000	-	17700	-	18900	-	18900	-	19500	-	19400	-	17200	-									
	T_{OUT} [kgf·m]	-	-	1330	-	1800	-	1930	-	1930	-	1990	-	1980	-	1750	-									
	Pro[N]	-	-	79200	-	84300	-	95400	-	105000	-	118000	-	129000	-	146000	-									
	Pro[kgf]	-	-	8070	-	8590	-	9720	-	10700	-	12000	-	13100	-	14900	-									
6245	P_1 [kW]	-	-	132	-	132	-	118	-	85.3	-	57.5	-	41.9	-	25.0	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	15100	-	20600	-	25800	-	25800	-	25800	-	25800	-	22600	-									
	T_{OUT} [kgf·m]	-	-	1540	-	2100	-	2630	-	2630	-	2630	-	2630	-	2300	-									
	Pro[N]	-	-	88000	-	94000	-	105000	-	116000	-	131000	-	144000	-	163000	-									
	Pro[kgf]	-	-	8970	-	9580	-	10700	-	11800	-	13400	-	14700	-	16600	-									
6255	P_1 [kW]	-	-	151	-	151	-	142	-	107	-	71.1	-	51.9	-	34.2	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	17300	-	23600	-	31000	-	32500	-	31900	-	31900	-	31000	-									
	T_{OUT} [kgf·m]	-	-	1760	-	2410	-	3160	-	3310	-	3250	-	3250	-	3160	-									
	Pro[N]	-	-	108000	-	116000	-	128000	-	142000	-	161000	-	176000	-	199000	-									
	Pro[kgf]	-	-	11000	-	11800	-	13000	-	14500	-	16400	-	17900	-	20300	-									
6265	P_1 [kW]	-	-	175	-	175	-	172	-	152	-	103	-	74.8	-	48.5	-	CHH C-72 CHF C-77 CVV C-84								
	T_{OUT} [N·m]	-	-	20100	-	27300	-	37600	-	46000	-	46000	-	46000	-	44000	-									
	T_{OUT} [kgf·m]	-	-	2050	-	2780	-	3830	-	4690	-	4690	-	4690	-	4490	-									
	Pro[N]	-	-	132000	-	141000	-	158000	-	174000	-	196000	-	215000	-	242000	-									
	Pro[kgf]	-	-	13500	-	14400	-	16100	-	17700	-	20000	-	21900	-	24700	-									
6275	P_1 [kW]	-	-	-	-	-	-	-	-	159	-	151	-	111	-	53.4	-	CHH C-72 CVV C-84								
	T_{OUT} [N·m]	-	-	-	-	-	-	-	-	48100	-	67600	-	68200	-	48500	-									
	T_{OUT} [kgf·m]	-	-	-	-	-	-	-	-	4900	-	6890	-	6950	-	4940	-									
	Pro[N]	-	-	-	-	-	-	-	-	203000	-	248000	-	248000	-	227000	-									
	Pro[kgf]	-	-	-	-	-	-	-	-	20700	-	25300	-	25300	-	23100	-									
Frame Size	Ratio[Z] n_2 [r/min]	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	Page of Dim.								

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

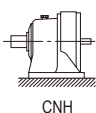
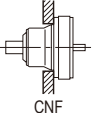
2. Refer to pages F-15~16 for allowable radial load for input shaft.

M E M O

REDUCERS
Selection Tables
Ratio xxx - xxx

Selection Tables 6000 Series Reducer

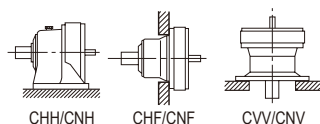
Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

Input Speed		n_1: Input Speed [r/min] T_{out}: Allowable output torque [N·m, kgf·m] n_2: Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf] P_1: Allowable input power [kW] *Consult us for Pro of CNF and CHF type.																  	
Frame Size	n_2 [r/min] Ratio[Z]	163	123	89.1	75.4	65.3	57.6	46.7	39.2	33.8	28.0	22.8	19.2	16.6	13.8	11.3	8.24	Page of Dim.	
6060	P_1 [kW]	0.200	0.200	0.200	0.199	0.173	0.152	0.123	0.104	0.089	0.074	0.060	-	-	-	-	-	CNH C-71	
	T_{out} [N·m]	11.1	14.8	20.4	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	-	-	-	-	-	CNF C-76	
	T_{out} [kgf·m]	1.13	1.51	2.08	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	-	-	-	-	-	CNV C-82	
	Pro[N]	905	1030	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-		
	Pro[kgf]	92.3	105	120	120	120	120	120	120	120	120	120	-	-	-	-	-		
6065	P_1 [kW]	0.286	0.286	0.286	0.249	0.216	0.191	0.154	0.130	0.112	0.093	0.075	-	-	-	-	-	CNH C-71	
	T_{out} [N·m]	15.9	21.2	29.2	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	-	-	-	-	-	CNF C-76	
	T_{out} [kgf·m]	1.62	2.16	2.98	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	-	-	-	-	-	CNV C-82	
	Pro[N]	897	1020	1160	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-		
	Pro[kgf]	91.4	104.0	118	120	120	120	120	120	120	120	120	-	-	-	-	-		
6070	P_1 [kW]	0.347	0.347	0.347	0.347	0.324	0.286	0.231	0.194	0.168	0.139	0.113	0.095	0.082	-	-	-	CNH C-71	
	T_{out} [N·m]	19.3	25.7	35.3	41.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	-	-	-	CNF C-76	
	T_{out} [kgf·m]	1.97	2.62	3.60	4.25	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	-	-	-	CNV C-82	
	Pro[N]	1550	1710	1770	1770	1770	1770	1770	1770	1770	1770	1770	1750	1770	-	-	-		
	Pro[kgf]	158	174	180	180	180	180	180	180	180	180	180	178	180	-	-	-		
6075	P_1 [kW]	0.407	0.386	0.407	0.407	0.404	0.381	0.309	0.245	0.223	0.185	0.151	0.119	0.101	-	-	-	CNH C-71	
	T_{out} [N·m]	22.6	28.6	41.4	49.0	56.1	60.0	60.0	56.8	60.0	60.0	60.0	56.4	55.1	-	-	-	CNF C-76	
	T_{out} [kgf·m]	2.30	2.92	4.22	4.99	5.72	6.12	6.12	5.79	6.12	6.12	6.12	5.75	5.62	-	-	-	CNV C-82	
	Pro[N]	1540	1700	1770	1770	1770	1770	1770	1770	1770	1770	1660	1590	1620	-	-	-		
	Pro[kgf]	157	173	180	180	180	180	180	180	180	180	169	162	165	-	-	-		
6080	P_1 [kW]	0.592	0.592	0.592	0.592	0.576	0.508	0.397	0.340	0.298	0.247	0.201	0.169	0.146	0.120	0.090	-	CNH C-71	
	T_{out} [N·m]	32.9	43.9	60.3	71.3	80.0	80.0	77.2	78.7	80.0	80.0	80.0	80.0	80.0	78.9	72.5	-	CNF C-76	
	T_{out} [kgf·m]	3.35	4.48	6.15	7.27	8.15	8.15	7.87	8.02	8.15	8.15	8.15	8.15	8.15	8.04	7.39	-	CNV C-82	
	Pro[N]	2160	2330	2560	2560	2560	2560	2560	2560	2500	2560	2540	2480	2510	2470	2510	-		
	Pro[kgf]	220	238	261	261	261	261	261	261	255	261	259	253	256	252	256	-		
6085	P_1 [kW]	0.778	0.778	0.778	0.778	0.720	0.635	0.397	0.432	0.372	0.309	0.251	0.212	0.183	0.152	0.121	-	CNH C-71	
	T_{out} [N·m]	43.2	57.6	79.2	93.6	100	100	77.2	100	100	100	100	100	100	100	97.6	-	CNF C-76	
	T_{out} [kgf·m]	4.40	5.87	8.07	9.54	10.2	10.2	7.87	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.95	-	CNV C-82	
	Pro[N]	2140	2310	2530	2560	2560	2560	2360	2300	2420	2340	2290	2310	2260	2280	-	-		
	Pro[kgf]	218	235	258	261	261	261	241	234	247	239	233	235	230	232	-	-		
6090	P_1 [kW]	1.15	1.15	1.15	1.15	1.08	0.953	0.758	0.648	0.559	0.463	0.377	0.315	0.267	0.201	0.186	0.098	CNH C-71	
	T_{out} [N·m]	63.7	84.9	117	138	150	150	147	150	150	150	149	146	132	150	108	-	CNF C-76	
	T_{out} [kgf·m]	6.49	8.65	11.9	14.1	15.3	15.3	15.0	15.3	15.3	15.3	15.2	14.9	13.5	15.3	11.0	-	CNV C-82	
	Pro[N]	3180	3340	3340	3340	3340	3340	3340	3280	3290	3300	3310	3280	3300	3310	3310	-		
	Pro[kgf]	324	340	340	340	340	340	340	334	335	336	337	334	336	337	337	-		
6095	P_1 [kW]	1.52	1.52	1.52	1.51	1.44	1.27	1.03	0.745	0.698	0.610	0.471	0.325	0.267	0.201	0.195	0.098	CNH C-71	
	T_{out} [N·m]	84.2	112	154	182	200	200	200	172	187	198	187	153	146	132	157	108	CNF C-76	
	T_{out} [kgf·m]	8.58	11.4	15.7	18.6	20.4	20.4	20.4	17.5	19.1	20.2	19.1	15.6	14.9	13.5	16.0	11.0	CNV C-82	
	Pro[N]	3130	3340	3340	3340	3340	3340	3340	3240	3220	3210	3240	3280	3300	3310	3300	-		
	Pro[kgf]	319	340	340	340	340	340	340	330	328	327	330	334	336	337	336	-		
6100	P_1 [kW]	2.35	2.35	2.35	2.08	1.80	1.59	1.29	1.08	0.931	0.772	0.628	0.530	0.458	0.380	0.310	0.210	CNH C-71	
	T_{out} [N·m]	130	174	239	250	250	250	250	250	250	250	250	250	250	250	250	231	CNF C-76	
	T_{out} [kgf·m]	13.3	17.7	24.4	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	23.5	CNV C-82	
	Pro[N]	4620	5130	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5380	5400	-		
	Pro[kgf]	471	523	550	550	550	550	550	550	550	550	550	550	550	548	550	-		
6105	P_1 [kW]	3.02	2.78	2.86	2.49	2.16	1.91	1.54	1.30	1.12	0.926	0.754	0.629	0.530	0.402	0.372	0.235	CNH C-71	
	T_{out} [N·m]	168	206	291	300	300	300	300	300	300	300	300	297	290	264	300	258	CNF C-76	
	T_{out} [kgf·m]	17.1	21.0	29.7	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.3	29.6	26.9	30.6	26.3	CNV C-82	
	Pro[N]	4570	5090	5400	5400	5400	5400	5400	5400	5400	5400	5400	5310	5260	5370	4780	-		
	Pro[kgf]	466	519	550	550	550	550	550	550	550	550	550	541	536	547	487	-		
6110	P_1 [kW]	3.48	3.55	3.54	2.99	2.59	2.29	1.85	1.56	1.34	1.11	0.904	0.762	0.659	0.548	0.447	-	CNH C-71	
	T_{out} [N·m]	193	263	360	360	360	360	360	360	360	360	360	360	360	360	360	-	CNF C-76	
	T_{out} [kgf·m]	19.7	26.8	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	-	CNV C-82	
	Pro[N]	5180	5740	6510	6770	7260	7370	7610	7340	7200	7280	7590	7590	7610	7580	7600	-		
	Pro[kgf]	528	585	664	690	740	751	776	748	734	742	774	774	776	773	775	-		
6115	P_1 [kW]	3.48	3.92	3.92	3.49	3.02	2.67	2.16	1.81	1.56	1.30	1.06	0.890	0.769	0.639	0.521	-	CNH C-71	
	T_{out} [N·m]	193	290	399	420	420	420	420	420	420	420	420	420	420	420	420	-	CNF C-76	
	T_{out} [kgf·m]	19.7	29.6	40.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	-	CNV C-82	
	Pro[N]	5180	5700	6460	6700	7190	7300	7460	7150	7010	7090	7370	7410	7430	7390	7410	-		
	Pro[kgf]	528	581	659	683	733	744	760	729	715	723	751	755	757	753	755	-		
6120	P_1 [kW]	5.07	5.07	5.07	4.36	3.78	3.30	2.68	2.27	1.94	1.62	1.32	1.11	0.961	0.799	0.652	-	CNH C-71	
	T_{out} [N·m]	282	375	516	525	525	520	522	525	520	525	525	525	525	525	525	-	CNF C-76	
	T_{out} [kgf·m]	28.7	38.2	52.6	53.5	53.5	53.0	53.2	53.5	53.0	53.5	53.5	53.5	53.5	53.5	53.5	-	CNV C-82	
	Pro[N]	5810	6450	7260	7540	8160	8280	9150	9640	9810	9810	9810	9810	9810	9810	9780	-		
	Pro[kgf]	592	657	740	769	832	844	933	983	1000	1000	1000	1000	1000	1000	997	-		
Frame Size	n_2 [r/min] Ratio[Z]	163	123	89.1	75.4	65.3	57.6	46.7	39.2	33.8	28.0	22.8	19.2	16.6	13.8	11.3	8.24	Page of Dim.	

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer



Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195

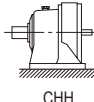
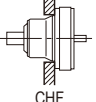
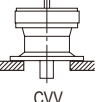
n_1 : Input Speed [r/min] T_{out} : Allowable output torque [N·m, kgf·m]
 n_2 : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]
 P_i : Allowable input power [kW] *Consult us for Pro of CNF and CHF type.

Input Speed $n_1 = 980$ r/min

Frame Size	n_2 [r/min] Ratio[Z]	163	123	89.1	75.4	65.3	57.6	46.7	39.2	33.8	28.0	22.8	19.2	16.6	13.8	11.3	8.24	Page of Dim.
6125	P_i [kW]	6.40	5.97	5.18	4.68	4.54	4.00	3.24	2.72	2.35	1.94	1.58	1.33	1.15	0.843	0.761	-	CNH C-71 CNF C-76 CNV C-82
	T_{out} [N·m]	355	442	527	563	630	630	630	630	630	630	630	630	630	554	613	-	
	T_{out} [kgf·m]	36.2	45.1	53.7	57.4	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	56.5	62.5	-	
	Pro[N]	5730	6380	7250	7510	8050	8180	9050	9540	9810	9810	9810	9810	9810	9810	9590	-	
	Pro[kgf]	584	650	739	766	821	834	923	972	1000	1000	1000	1000	1000	1000	978	-	
6130	P_i [kW]	9.10	8.95	7.66	6.48	5.62	4.96	4.01	3.37	2.91	2.41	1.96	1.81	1.57	1.30	1.05	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	505	663	780	780	780	780	780	780	780	780	780	855	855	855	848	-	
	T_{out} [kgf·m]	51.5	67.6	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	87.2	87.2	87.2	86.4	-	
	Pro[N]	6620	7350	8460	8890	9130	9840	10600	11100	11700	12400	13300	13900	14600	14700	14700	-	
	Pro[kgf]	675	749	862	906	931	1000	1080	1130	1190	1260	1360	1420	1490	1500	1500	-	
6135	P_i [kW]	9.96	9.20	9.23	7.58	6.77	5.97	4.84	3.89	3.50	2.90	2.36	1.89	1.81	1.50	1.22	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	553	682	940	912	940	940	940	900	940	940	940	892	987	987	979	-	
	T_{out} [kgf·m]	56.4	69.5	95.8	93.0	95.8	95.8	95.8	91.7	95.8	95.8	95.8	90.9	101	101	99.8	-	
	Pro[N]	6560	7330	8310	8780	9010	9720	10500	11000	11600	12200	13200	13900	14500	14700	14700	-	
	Pro[kgf]	669	747	847	895	918	991	1070	1120	1180	1240	1350	1420	1480	1500	1500	-	
6140	P_i [kW]	12.2	11.6	12.0	10.2	8.82	7.78	6.30	5.29	4.56	3.78	3.08	2.59	2.24	1.86	1.52	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	678	863	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	-	
	T_{out} [kgf·m]	69.1	88.0	125	125	125	125	125	125	125	125	125	125	125	125	125	-	
	Pro[N]	10300	11400	12800	13100	13800	14400	15500	16000	16000	16000	16000	16000	16000	16000	16000	-	
	Pro[kgf]	1050	1160	1300	1340	1410	1470	1580	1630	1630	1630	1630	1630	1630	1630	1630	-	
6145	P_i [kW]	12.2	11.6	12.1	11.4	9.78	8.71	6.88	5.92	5.10	4.23	3.44	2.74	2.36	1.94	1.55	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	678	863	1230	1370	1360	1370	1340	1370	1370	1370	1370	1290	1290	1280	1250	-	
	T_{out} [kgf·m]	69.1	88.0	125	140	139	140	137	140	140	140	140	131	131	130	127	-	
	Pro[N]	10300	11400	12800	13100	13700	14400	15400	16000	15800	16000	15700	15900	16000	16000	16000	-	
	Pro[kgf]	1050	1160	1300	1340	1400	1470	1570	1630	1610	1630	1600	1620	1630	1630	1630	-	
6160	P_i [kW]	20.3	19.7	17.2	14.6	12.6	11.2	9.03	7.58	6.54	5.42	4.36	3.72	3.21	2.67	2.18	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1130	1460	1760	1760	1760	1760	1760	1760	1760	1760	1740	1760	1760	1760	1760	-	
	T_{out} [kgf·m]	115	149	179	179	179	179	179	179	179	179	177	179	179	179	179	-	
	Pro[N]	11300	12600	14300	15100	16100	16700	18100	19000	19900	21200	22100	22100	22100	22100	22100	-	
	Pro[kgf]	1150	1280	1460	1540	1640	1700	1850	1940	2030	2160	2250	2250	2250	2250	2250	-	
6165	P_i [kW]	23.8	22.5	20.6	17.4	15.1	13.3	10.8	9.07	7.82	6.48	5.28	4.45	3.84	3.19	2.55	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1320	1670	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2050	-	
	T_{out} [kgf·m]	135	170	214	214	214	214	214	214	214	214	214	214	214	214	209	-	
	Pro[N]	11100	12400	14100	14900	15900	16500	17800	18800	19700	21000	22100	22100	22100	22100	21800	-	
	Pro[kgf]	1130	1260	1440	1520	1620	1680	1810	1920	2010	2140	2250	2250	2250	2250	2220	-	
6170	P_i [kW]	27.6	27.6	24.8	21.0	18.2	16.1	13.0	10.9	9.42	7.81	6.36	5.36	4.63	3.85	3.14	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1530	2040	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	-	
	T_{out} [kgf·m]	156	208	258	258	258	258	258	258	258	258	258	258	258	258	258	-	
	Pro[N]	12700	13900	16000	16800	17700	18600	20300	21200	22400	23900	25600	26800	28200	29500	29500	-	
	Pro[kgf]	1290	1420	1630	1710	1800	1900	2070	2160	2280	2440	2610	2730	2870	3010	3010	-	
6175	P_i [kW]	30.1	30.1	30.1	26.2	22.3	20.0	16.2	13.6	11.7	9.72	7.91	6.67	5.77	4.79	3.91	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1670	2230	3070	3150	3100	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	-	
	T_{out} [kgf·m]	170	227	313	321	316	321	321	321	321	321	321	321	321	321	321	-	
	Pro[N]	12600	13800	15600	16400	17300	18200	20000	20800	22100	23600	25200	26500	27900	29500	29500	-	
	Pro[kgf]	1280	1410	1590	1670	1760	1860	2040	2120	2250	2410	2570	2700	2840	3010	3010	-	
6180	P_i [kW]	-	-	35.2	33.7	29.2	25.8	20.8	17.5	15.1	12.5	10.2	8.58	7.42	6.16	5.04	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	3580	4060	4060	4060	4050	4050	4050	4050	4060	4050	4050	4050	4060	-	
	T_{out} [kgf·m]	-	-	365	414	414	414	413	413	413	413	414	413	413	413	414	-	
	Pro[N]	-	-	21400	22200	23400	24900	27100	28300	29700	31900	34300	35700	37400	39900	41700	-	
	Pro[kgf]	-	-	2180	2260	2390	2540	2760	2880	3030	3250	3500	3640	3810	4070	4250	-	
6185	P_i [kW]	-	-	39.0	39.0	29.8	28.3	25.7	21.6	18.6	15.4	12.6	10.6	9.15	6.87	6.21	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	3970	4690	4130	4450	5000	5000	5000	5000	5000	5000	5000	4510	5000	-	
	T_{out} [kgf·m]	-	-	405	478	421	454	510	510	510	510	510	510	510	460	510	-	
	Pro[N]	-	-	21200	21900	23400	24700	26700	27900	29300	31500	33900	35400	37100	39800	41700	-	
	Pro[kgf]	-	-	2160	2230	2390	2520	2720	2840	2990	3210	3460	3610	3780	4060	4250	-	
6190	P_i [kW]	-	-	41.0	41.0	41.0	40.5	32.8	27.6	23.8	19.7	16.0	13.5	11.7	9.71	7.92	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	4180	4930	5690	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	-	
	T_{out} [kgf·m]	-	-	426	503	580	650	650	650	650	650	650	650	650	650	650	-	
	Pro[N]	-	-	30300	31300	32700	34500	37600	39500	41600	44100	47700	49900	52400	55800	58900	-	
	Pro[kgf]	-	-	3090	3190	3330	3520	3830	4030	4240	4500	4860	5090	5340	5690	6000	-	
6195	P_i [kW]	-	-	48.1	48.1	48.1	48.1	40.9	34.4	29.6	24.6	20.0	16.9	14.6	12.1	9.88	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	4900	5790	6680	7570	7960	7960	7960	7960	7960	7960	7960	7960	7960	-	
	T_{out} [kgf·m]	-	-	499	590	681	772	811	811	811	811	811	811	811	811	811	-	
	Pro[N]	-	-	30000	31000	32300	34100	37100	39000	41200	43700	47200	49400	52000	55300	58400	-	
	Pro[kgf]	-	-	3060	3160	3290	3480	3780	3980	4200	4450	4810	5040	5300	5640	5950	-	
Frame Size	n_2 [r/min] Ratio[Z]	163	123	89.1	75.4	65.3	57.6	46.7	39.2	33.8	28.0	22.8	19.2	16.6	13.8	11.3	8.24	Page of Dim.

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

Input Speed		$n_1 = 980$ r/min		n_1 : Input Speed [r/min] n_2 : Output Speed [r/min] P_1 : Allowable input power [kW]										T_{out} : Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.															
Frame Size	n_2 [r/min] Ratio[Z]	163 6	123 8	89.1 11	75.4 13	65.3 15	57.6 17	46.7 21	39.2 25	33.8 29	28.0 35	22.8 43	19.2 51	16.6 59	13.8 71	11.3 87	8.24 119	Page of Dim.											
6205	P_1 [kW]	-	-	59.7	-	59.7	-	47.7	-	34.4	-	23.4	-	17.0	-	10.9	-	CHH C-72 CHF C-77 CVV C-84											
	T_{OUT} [N·m]	-	-	6080	-	8290	-	9270	-	9230	-	9300	-	9300	-	8760	-												
	T_{OUT} [kgf·m]	-	-	620	-	845	-	945	-	941	-	948	-	948	-	893	-												
	Pro[N]	-	-	57700	-	61800	-	69400	-	76000	-	84100	-	84100	-	84100	-												
6215	P_1 [kW]	-	-	75.3	-	75.3	-	64.3	-	47.1	-	31.8	-	23.2	-	14.0	-	CHH C-72 CHF C-77 CVV C-84											
	T_{OUT} [N·m]	-	-	7670	-	10500	-	12500	-	12700	-	12700	-	12700	-	11300	-												
	T_{OUT} [kgf·m]	-	-	782	-	1070	-	1270	-	1290	-	1290	-	1290	-	1150	-												
	Pro[N]	-	-	58000	-	62000	-	70100	-	76600	-	87100	-	95100	-	104000	-												
6225	P_1 [kW]	-	-	99.5	-	99.5	-	76.1	-	56.0	-	40.2	-	29.1	-	18.7	-	CHH C-72 CHF C-77 CVV C-84											
	T_{OUT} [N·m]	-	-	10100	-	13800	-	14800	-	15000	-	16000	-	15900	-	15100	-												
	T_{OUT} [kgf·m]	-	-	1030	-	1410	-	1510	-	1530	-	1630	-	1620	-	1540	-												
	Pro[N]	-	-	61000	-	65500	-	73700	-	80800	-	91700	-	100000	-	113000	-												
6235	P_1 [kW]	-	-	113	-	113	-	97.2	-	70.4	-	47.6	-	34.6	-	21.3	-	CHH C-72 CHF C-77 CVV C-84											
	T_{OUT} [N·m]	-	-	11500	-	15700	-	18900	-	18900	-	18900	-	18900	-	17200	-												
	T_{OUT} [kgf·m]	-	-	1170	-	1600	-	1930	-	1930	-	1930	-	1930	-	1750	-												
	Pro[N]	-	-	76700	-	81700	-	91900	-	101000	-	114000	-	125000	-	141000	-												
6245	P_1 [kW]	-	-	132	-	132	-	120	-	94.2	-	64.8	-	47.2	-	28.1	-	CHH C-72 CHF C-77 CVV C-84											
	T_{OUT} [N·m]	-	-	13400	-	18300	-	23300	-	25300	-	25800	-	25800	-	22600	-												
	T_{OUT} [kgf·m]	-	-	1370	-	1870	-	2380	-	2580	-	2630	-	2630	-	2300	-												
	Pro[N]	-	-	85200	-	91100	-	102000	-	112000	-	126000	-	138000	-	157000	-												
6255	P_1 [kW]	-	-	151	-	151	-	151	-	118	-	77.9	-	56.8	-	38.5	-	CHH C-72 CHF C-77 CVV C-84											
	T_{OUT} [N·m]	-	-	15300	-	20900	-	29300	-	31800	-	31000	-	31000	-	31000	-												
	T_{OUT} [kgf·m]	-	-	1560	-	2130	-	2990	-	3240	-	3160	-	3160	-	3160	-												
	Pro[N]	-	-	104000	-	112000	-	124000	-	137000	-	155000	-	170000	-	192000	-												
6265	P_1 [kW]	-	-	175	-	175	-	172	-	159	-	113	-	84.2	-	53.4	-	CHH C-72 CHF C-77 CVV C-84											
	T_{OUT} [N·m]	-	-	17800	-	24300	-	33400	-	42700	-	45000	-	46000	-	43000	-												
	T_{OUT} [kgf·m]	-	-	1810	-	2480	-	3400	-	4350	-	4590	-	4690	-	4380	-												
	Pro[N]	-	-	128000	-	137000	-	152000	-	168000	-	189000	-	207000	-	234000	-												
6275	P_1 [kW]	-	-	-	-	-	-	-	-	159	-	151	-	125	-	53.4	-	CHH C-72 CVV C-84											
	T_{OUT} [N·m]	-	-	-	-	-	-	-	-	42700	-	60000	-	68200	-	43000	-												
	T_{OUT} [kgf·m]	-	-	-	-	-	-	-	-	4350	-	6120	-	6950	-	4380	-												
	Pro[N]	-	-	-	-	-	-	-	-	196000	-	248000	-	248000	-	219000	-												
Frame Size	Ratio[Z] n_2 [r/min]	6 163	8 123	11 89.1	13 75.4	15 65.3	17 57.6	21 46.7	25 39.2	29 33.8	35 28.0	43 22.8	51 19.2	59 16.6	71 13.8	87 11.3	119 8.24	Page of Dim.											

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.
2. Refer to pages F-15~16 for allowable radial load for input shaft.

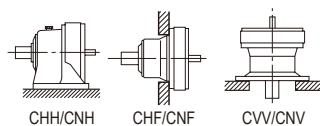
M E M O

REDUCERS
Selection Tables
Ratio xxx - xxx

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

C-36 Reducer / Selection Tables

Selection Tables 6000 Series Reducer



Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195

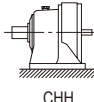
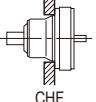
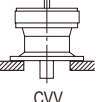
n_1 : Input Speed [r/min] T_{out} : Allowable output torque [N·m, kgf·m]
 n_2 : Output Speed [r/min] Pro: Allowable output shaft radial load [N, kgf]
 P_i : Allowable input power [kW] *Consult us for Pro of CNF and CHF type.

Input Speed $n_1 = 1165$ r/min

Frame Size	n_2 [r/min] Ratio[Z]	194	146	106	89.6	77.7	68.5	55.5	46.6	40.2	33.3	27.1	22.8	19.7	16.4	13.4	9.79	Page of Dim.
6125	P_i [kW]	6.96	6.82	5.91	5.34	5.39	4.76	3.85	3.24	2.79	2.31	1.88	1.59	1.37	0.963	0.868	-	CNH C-71 CNF C-76 CNV C-82
	T_{out} [N·m]	325	425	506	540	630	630	630	630	630	630	630	630	630	532	588	-	
	T_{out} [kgf·m]	33.1	43.3	51.6	55.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	54.2	59.9	-	
	Pro[N]	5420	6010	6840	7080	7560	7690	8510	8980	9380	9810	9810	9810	9810	9810	9650	-	
	Pro[kgf]	552	613	697	722	771	784	867	915	956	1000	1000	1000	1000	1000	984	-	
6130	P_i [kW]	9.39	9.39	9.11	7.70	6.68	5.89	4.77	4.01	3.45	2.86	2.33	2.07	1.79	1.49	1.21	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	439	585	780	780	780	780	780	780	780	780	780	821	821	821	821	-	
	T_{out} [kgf·m]	44.8	59.6	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	83.7	83.7	83.7	83.7	-	
	Pro[N]	6290	6980	7940	8360	8580	9260	9960	10400	11000	11600	12600	13100	13800	14700	14700	-	
	Pro[kgf]	641	712	809	852	875	944	1020	1060	1120	1180	1280	1340	1410	1500	1500	-	
6135	P_i [kW]	11.3	10.5	10.7	8.65	8.05	7.10	5.69	4.62	4.13	3.45	2.81	2.16	2.06	1.71	1.40	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	528	654	916	876	940	940	930	900	933	940	940	856	948	948	948	-	
	T_{out} [kgf·m]	53.8	66.7	93.4	89.3	95.8	95.8	94.8	91.7	95.1	95.8	95.8	87.3	96.6	96.6	96.6	-	
	Pro[N]	6190	6910	7820	8280	8460	9140	9840	10300	10900	11500	12400	13100	13700	14600	14700	-	
	Pro[kgf]	631	704	797	844	862	932	1000	1050	1110	1170	1260	1340	1400	1490	1500	-	
6140	P_i [kW]	13.0	13.0	13.0	12.1	10.5	9.25	7.49	6.29	5.42	4.49	3.66	3.08	2.67	2.22	1.81	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	609	811	1120	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	-	
	T_{out} [kgf·m]	62.1	82.7	114	125	125	125	125	125	125	125	125	125	125	125	125	-	
	Pro[N]	9820	10900	12200	12400	13100	13700	14700	15400	15800	16000	16000	16000	16000	16000	16000	-	
	Pro[kgf]	1000	1110	1240	1260	1340	1400	1500	1570	1610	1630	1630	1630	1630	1630	1630	-	
6145	P_i [kW]	13.9	13.3	13.8	13.5	11.6	10.3	8.02	7.04	6.07	5.03	3.95	3.13	2.69	2.22	1.83	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	651	828	1180	1360	1360	1370	1310	1370	1370	1370	1320	1240	1240	1230	1240	-	
	T_{out} [kgf·m]	66.4	84.4	120	139	139	140	134	140	140	140	135	126	126	125	126	-	
	Pro[N]	9800	10900	12100	12400	13000	13600	14600	15400	15700	16000	15900	16000	16000	16000	16000	-	
	Pro[kgf]	999	1110	1230	1260	1330	1390	1490	1570	1600	1630	1620	1630	1630	1630	1630	-	
6160	P_i [kW]	20.3	19.7	19.7	17.3	15.0	13.1	10.7	9.01	7.77	6.44	5.18	4.42	3.82	3.17	2.59	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	948	1230	1690	1760	1760	1730	1760	1760	1760	1760	1740	1760	1760	1760	1760	-	
	T_{out} [kgf·m]	96.6	125	172	179	179	176	179	179	179	179	177	179	179	179	179	-	
	Pro[N]	10800	12000	13500	14200	15100	15700	17000	17900	18700	20000	21500	22100	22100	22100	22100	-	
	Pro[kgf]	1100	1220	1380	1450	1540	1600	1730	1820	1910	2040	2190	2250	2250	2250	2250	-	
6165	P_i [kW]	24.1	24.1	24.1	20.7	18.0	15.9	12.8	10.8	9.30	7.70	6.27	5.29	4.57	3.80	3.03	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1120	1500	2060	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2050	-	
	T_{out} [kgf·m]	114	153	210	214	214	214	214	214	214	214	214	214	214	214	209	-	
	Pro[N]	10600	11800	13200	14000	14900	15500	16800	17700	18500	19800	21200	22100	22100	22100	21800	-	
	Pro[kgf]	1080	1200	1350	1430	1520	1580	1710	1800	1890	2020	2160	2250	2250	2250	2220	-	
6170	P_i [kW]	27.6	27.6	27.6	25.0	21.7	19.1	15.5	13.0	11.2	9.28	7.56	6.37	5.51	4.58	3.73	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1290	1720	2360	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	-	
	T_{out} [kgf·m]	131	175	241	258	258	258	258	258	258	258	258	258	258	258	258	-	
	Pro[N]	12100	13300	15100	15800	16600	17400	19100	19900	21100	22500	24100	25200	26500	28200	29500	-	
	Pro[kgf]	1230	1360	1540	1610	1690	1770	1950	2030	2150	2290	2460	2570	2700	2870	3010	-	
6175	P_i [kW]	30.1	30.1	30.1	30.1	25.4	23.8	19.3	16.2	13.9	11.6	9.41	7.93	6.86	5.70	4.65	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1410	1880	2580	3050	2970	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	-	
	T_{out} [kgf·m]	144	192	263	311	303	321	321	321	321	321	321	321	321	321	321	-	
	Pro[N]	12000	13200	14900	15400	16300	17000	18700	19600	20700	22100	23700	24900	26200	27900	29500	-	
	Pro[kgf]	1220	1350	1520	1570	1660	1730	1910	2000	2110	2250	2420	2540	2670	2840	3010	-	
6180	P_i [kW]	-	-	35.2	35.2	32.4	30.6	24.8	20.8	17.9	14.9	12.1	10.2	8.82	7.33	5.99	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	3020	3560	3780	4050	4050	4050	4050	4050	4060	4050	4050	4050	4060	-	
	T_{out} [kgf·m]	-	-	308	363	385	413	413	413	413	413	414	413	413	413	414	-	
	Pro[N]	-	-	20300	21000	22100	23400	25500	26600	27900	30000	32300	33600	35300	37600	40600	-	
	Pro[kgf]	-	-	2070	2140	2250	2390	2600	2710	2840	3060	3290	3430	3600	3830	4140	-	
6185	P_i [kW]	-	-	39.0	39.0	34.0	32.3	30.6	25.7	22.1	18.3	14.9	12.6	10.9	8.16	7.38	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	3340	3950	3970	4280	5000	5000	5000	5000	5000	5000	5000	4510	5000	-	
	T_{out} [kgf·m]	-	-	340	403	405	436	510	510	510	510	510	510	510	460	510	-	
	Pro[N]	-	-	20200	20900	22000	23300	25100	26200	27600	29700	31900	33300	34900	37400	40300	-	
	Pro[kgf]	-	-	2060	2130	2240	2380	2560	2670	2810	3030	3250	3390	3560	3810	4110	-	
6190	P_i [kW]	-	-	41.0	41.0	41.0	41.0	39.0	32.8	28.3	23.4	18.8	16.1	13.9	11.5	9.42	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	3510	4150	4790	5430	6380	6380	6380	6380	6310	6380	6380	6380	6380	-	
	T_{out} [kgf·m]	-	-	358	423	488	554	650	650	650	650	643	650	650	650	650	-	
	Pro[N]	-	-	28700	29700	31100	32800	35400	37200	39200	41600	44900	47000	49400	52500	56800	-	
	Pro[kgf]	-	-	2930	3030	3170	3340	3610	3790	4000	4240	4580	4790	5040	5350	5790	-	
6195	P_i [kW]	-	-	48.1	48.1	48.1	48.1	48.1	40.5	35.2	29.2	23.0	20.0	17.3	14.4	11.7	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	4120	4870	5620	6370	7870	7880	7960	7960	7960	7960	7960	7960	7960	-	
	T_{out} [kgf·m]	-	-	420	496	573	649	802	803	811	811	784	811	811	811	811	-	
	Pro[N]	-	-	28500	29500	30800	32400	34900	36700	38700	41100	44500	46500	49000	52100	56300	-	
	Pro[kgf]	-	-	2910	3010	3140	3300	3560	3740	3940	4190	4540	4740	4990	5310	5740	-	
Frame Size	n_2 [r/min] Ratio[Z]	194	146	106	89.6	77.7	68.5	55.5	46.6	40.2	33.3	27.1	22.8	19.7	16.4	13.4	9.79	Page of Dim.

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

Input Speed		$n_1 = 1165$ r/min														n_1 : Input Speed [r/min] n_2 : Output Speed [r/min] P_1 : Allowable input power [kW]														T_{out} : Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.																
Frame Size	n_2 [r/min] Ratio[Z]	194	146	106	89.6	77.7	68.5	55.5	46.6	40.2	33.3	27.1	22.8	19.7	16.4	13.4	9.79	Page of Dim.																												
		6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119																													
6205	P_1 [kW]	-	-	59.7	-	59.7	-	54.7	-	39.6	-	27.8	-	19.5	-	12.9	-	CHH C-72																												
	T_{OUT} [N·m]	-	-	5110	-	6970	-	8950	-	8950	-	9300	-	8950	-	8760	-	CHF C-77																												
	T_{OUT} [kgf·m]	-	-	521	-	710	-	912	-	912	-	948	-	912	-	893	-	CVV C-84																												
	Pro[N]	-	-	55000	-	58900	-	65800	-	72100	-	81600	-	84100	-	84100	-																													
	Pro[kgf]	-	-	5610	-	6000	-	6710	-	7350	-	8320	-	8570	-	8570	-																													
6215	P_1 [kW]	-	-	75.3	-	75.3	-	75.3	-	56.0	-	37.8	-	27.5	-	16.6	-	CHH C-72																												
	T_{OUT} [N·m]	-	-	6450	-	8800	-	12300	-	12700	-	12700	-	12700	-	11300	-	CHF C-77																												
	T_{OUT} [kgf·m]	-	-	657	-	897	-	1250	-	1290	-	1290	-	1290	-	1150	-	CVV C-84																												
	Pro[N]	-	-	55300	-	59200	-	66400	-	72600	-	82500	-	90100	-	102000	-																													
	Pro[kgf]	-	-	5640	-	6030	-	6770	-	7400	-	8410	-	9180	-	10400	-																													
6225	P_1 [kW]	-	-	99.5	-	99.5	-	90.5	-	66.6	-	47.8	-	33.3	-	22.2	-	CHH C-72																												
	T_{OUT} [N·m]	-	-	8520	-	11600	-	14800	-	15000	-	16000	-	15300	-	15100	-	CHF C-77																												
	T_{OUT} [kgf·m]	-	-	869	-	1180	-	1510	-	1530	-	1630	-	1560	-	1540	-	CVV C-84																												
	Pro[N]	-	-	58200	-	62600	-	69800	-	76500	-	86800	-	95000	-	107000	-																													
	Pro[kgf]	-	-	5930	-	6380	-	7120	-	7800	-	8850	-	9680	-	10900	-																													
6235	P_1 [kW]	-	-	113	-	113	-	97.5	-	75.3	-	54.3	-	37.7	-	24.0	-	CHH C-72																												
	T_{OUT} [N·m]	-	-	9680	-	13200	-	15900	-	17000	-	18200	-	17300	-	16200	-	CHF C-77																												
	T_{OUT} [kgf·m]	-	-	987	-	1350	-	1620	-	1730	-	1860	-	1760	-	1650	-	CVV C-84																												
	Pro[N]	-	-	73100	-	77900	-	87700	-	96000	-	108000	-	119000	-	134000	-																													
	Pro[kgf]	-	-	7450	-	7940	-	8940	-	9790	-	11000	-	12100	-	13700	-																													
6245	P_1 [kW]	-	-	132	-	132	-	120	-	94.2	-	75.3	-	56.2	-	32.1	-	CHH C-72																												
	T_{OUT} [N·m]	-	-	11300	-	15400	-	19600	-	21300	-	25200	-	25800	-	21700	-	CHF C-77																												
	T_{OUT} [kgf·m]	-	-	1150	-	1570	-	2000	-	2170	-	2570	-	2630	-	2210	-	CVV C-84																												
	Pro[N]	-	-	81200	-	86900	-	97100	-	107000	-	120000	-	131000	-	149000	-																													
	Pro[kgf]	-	-	8280	-	8860	-	9900	-	10900	-	12200	-	13400	-	15200	-																													
6255	P_1 [kW]	-	-	151	-	151	-	151	-	118	-	88.9	-	64.8	-	42.9	-	CHH C-72																												
	T_{OUT} [N·m]	-	-	12900	-	17600	-	24600	-	26700	-	29800	-	29800	-	29000	-	CHF C-77																												
	T_{OUT} [kgf·m]	-	-	1310	-	1790	-	2510	-	2720	-	3040	-	3040	-	2960	-	CVV C-84																												
	Pro[N]	-	-	99600	-	107000	-	118000	-	131000	-	147000	-	161000	-	182000	-																													
	Pro[kgf]	-	-	10200	-	10900	-	12000	-	13400	-	15000	-	16400	-	18600	-																													
6265	P_1 [kW]	-	-	175	-	175	-	172	-	159	-	113	-	94.2	-	53.4	-	CHH C-72																												
	T_{OUT} [N·m]	-	-	15000	-	20400	-	28100	-	35900	-	37800	-	43300	-	36200	-	CHF C-77																												
	T_{OUT} [kgf·m]	-	-	1530	-	2080	-	2860	-	3660	-	3850	-	4410	-	3690	-	CVV C-84																												
	Pro[N]	-	-	122000	-	130000	-	145000	-	160000	-	180000	-	197000	-	222000	-																													
	Pro[kgf]	-	-	12400	-	13300	-	14800	-	16300	-	18300	-	20100	-	22600	-																													
6275	P_1 [kW]	-	-	-	-	-	-	-	-	159	-	151	-	132	-	53.4	-	CHH C-72																												
	T_{OUT} [N·m]	-	-	-	-	-	-	-	-	35900	-	50500	-	60600	-	36200	-	CHF C-77																												
	T_{OUT} [kgf·m]	-	-	-	-	-	-	-	-	3660	-	5150	-	6180	-	3690	-	CVV C-84																												
	Pro[N]	-	-	-	-	-	-	-	-	186000	-	248000	-	247000	-	208000	-																													
	Pro[kgf]	-	-	-	-	-	-	-	-	19000	-	25300	-	25200	-	21200	-																													
Frame Size	n_2 [r/min] Ratio[Z]	194	146	106	89.6	77.7	68.5	55.5	46.6	40.2	33.3	27.1	22.8	19.7	16.4	13.4	9.79	Page of Dim.																												

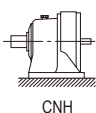
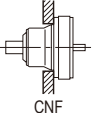
Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.
2. Refer to pages F-15~16 for allowable radial load for input shaft.

M E M O

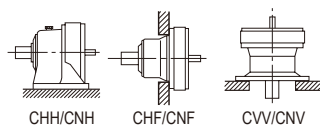
REDUCERS
Selection Tables
Ratio xxx - xxx

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

Input Speed		n ₁ : Input Speed [r/min] n ₂ : Output Speed [r/min] P ₁ : Allowable input power [kW]																T _{out} : Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.				  			
n ₁ = 1450 r/min																									
Frame Size	n ₂ [r/min] Ratio[Z]	242	181	132	112	96.7	85.3	69.0	58.0	50.0	41.4	33.7	28.4	24.6	20.4	16.7	12.2								
		6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119								
6060	P ₁ [kW]	0.200	0.200	0.200	0.200	0.200	0.200	0.183	0.110	0.110	0.110	0.089	-	-	-	-	-								
	T _{out} [N·m]	7.51	10.0	13.8	16.3	18.8	21.3	24.0	17.2	20.0	24.0	24.0	-	-	-	-	-								
	T _{out} [kgf·m]	0.766	1.02	1.41	1.66	1.92	2.17	2.45	1.75	2.04	2.45	2.45	-	-	-	-	-								
	Pro[N]	798	912	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-								
	Pro[kgf]	81.3	93	120	120	120	120	120	120	120	120	120	-	-	-	-	-								
6065	P ₁ [kW]	0.286	0.286	0.286	0.286	0.286	0.282	0.228	0.166	0.165	0.137	0.112	-	-	-	-	-								
	T _{out} [N·m]	10.7	14.3	19.7	23.3	26.9	30.0	30.0	25.9	30.0	30.0	30.0	-	-	-	-	-								
	T _{out} [kgf·m]	1.09	1.46	2.01	2.38	2.74	3.06	3.06	2.64	3.06	3.06	3.06	-	-	-	-	-								
	Pro[N]	793	904	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-								
	Pro[kgf]	80.8	92.2	120	120	120	120	120	120	120	120	120	-	-	-	-	-								
6070	P ₁ [kW]	0.347	0.347	0.347	0.347	0.347	0.347	0.320	0.230	0.226	0.205	0.167	0.100	0.100	-	-	-								
	T _{out} [N·m]	13.0	17.3	23.9	28.2	32.5	36.9	42.1	35.9	41.0	45.0	45.0	31.9	36.9	-	-	-								
	T _{out} [kgf·m]	1.33	1.76	2.44	2.87	3.31	3.76	4.29	3.66	4.18	4.59	4.59	3.25	3.76	-	-	-								
	Pro[N]	1380	1520	1690	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	-	-	-								
	Pro[kgf]	141	155	172	180	180	180	180	180	180	180	180	180	180	-	-	-								
6075	P ₁ [kW]	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.294	0.286	0.272	0.223	0.143	0.136	-	-	-								
	T _{out} [N·m]	15.3	20.4	28.0	33.1	38.2	43.3	53.5	46.0	52.0	59.6	60.0	45.7	50.1	-	-	-								
	T _{out} [kgf·m]	1.56	2.08	2.85	3.37	3.89	4.41	5.45	4.69	5.30	6.08	6.12	4.66	5.11	-	-	-								
	Pro[N]	1370	1510	1680	1770	1770	1770	1770	1770	1770	1770	1660	1750	1700	-	-	-								
	Pro[kgf]	140	154	171	180	180	180	180	180	180	180	169	178	173	-	-	-								
6080	P ₁ [kW]	0.592	0.592	0.592	0.592	0.592	0.592	0.478	0.340	0.340	0.290	0.250	0.192	0.185	0.120	0.090	-								
	T _{out} [N·m]	22.2	29.6	40.8	48.2	55.6	63.0	62.9	53.2	61.7	74.5	67.3	61.3	68.1	53.3	49.0	-								
	T _{out} [kgf·m]	2.26	3.02	4.16	4.91	5.67	6.42	6.41	5.42	6.29	7.59	6.86	6.25	6.94	5.43	4.99	-								
	Pro[N]	1910	2060	2270	2440	2510	2560	2560	2560	2560	2560	2560	2560	2560	2560	2560	-								
	Pro[kgf]	195	210	231	249	256	261	261	261	261	261	261	261	261	261	261	-								
6085	P ₁ [kW]	0.778	0.778	0.778	0.778	0.778	0.778	0.550	0.475	0.467	0.327	0.294	0.241	0.234	0.165	0.121	-								
	T _{out} [N·m]	29.2	38.9	53.5	63.3	73.0	82.7	72.3	74.3	84.8	90.2	79.1	76.9	86.2	89.7	66.0	-								
	T _{out} [kgf·m]	2.98	3.97	5.45	6.45	7.44	8.43	7.37	7.57	8.64	9.19	8.06	7.84	8.79	9.14	6.73	-								
	Pro[N]	1900	2050	2250	2410	2480	2560	2560	2560	2460	2530	2550	2510	2450	2370	2560	-								
	Pro[kgf]	194	209	229	246	253	261	261	261	251	258	260	256	250	242	261	-								
6090	P ₁ [kW]	1.15	1.15	1.15	1.15	1.15	1.15	0.758	0.671	0.625	0.612	0.435	0.332	0.309	0.252	0.211	0.125								
	T _{out} [N·m]	43.0	57.4	78.9	93.2	108	122	99.5	105	113	134	117	106	114	112	115	93.1								
	T _{out} [kgf·m]	4.38	5.85	8.04	9.50	11.0	12.4	10.1	10.7	11.5	13.7	11.9	10.8	11.6	11.4	11.7	9.49								
	Pro[N]	2810	3120	3340	3340	3340	3340	3340	3340	3340	3330	3340	3340	3340	3340	3340	3340								
	Pro[kgf]	286	318	340	340	340	340	340	340	340	339	340	340	340	340	340	340								
6095	P ₁ [kW]	1.52	1.52	1.52	1.52	1.52	1.52	1.51	0.866	0.784	0.758	0.603	0.407	0.336	0.278	0.263	0.145								
	T _{out} [N·m]	56.9	75.8	104	123	142	161	198	136	142	166	162	130	124	124	143	108								
	T _{out} [kgf·m]	5.80	7.73	10.6	12.5	14.5	16.4	20.2	13.9	14.5	16.9	16.5	13.3	12.6	12.6	14.6	11.0								
	Pro[N]	2780	3080	3340	3340	3340	3340	3340	3310	3310	3270	3290	3320	3340	3330	3330	3310								
	Pro[kgf]	283	314	340	340	340	340	340	337	337	333	335	338	340	339	339	337								
6100	P ₁ [kW]	2.35	2.35	2.35	2.35	2.35	1.99	1.90	1.27	1.21	0.975	0.780	0.560	0.516	0.436	0.433	0.210								
	T _{out} [N·m]	88.1	117	162	191	220	211	250	199	220	214	210	179	190	194	236	156								
	T _{out} [kgf·m]	8.98	11.9	16.5	19.5	22.4	21.5	25.5	20.3	22.4	21.8	21.4	18.2	19.4	19.8	24.1	15.9								
	Pro[N]	4090	4550	5150	5350	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400								
	Pro[kgf]	417	464	525	545	550	550	550	550	550	550	550	550	550	550	550	550								
6105	P ₁ [kW]	3.18	3.18	3.18	3.18	3.18	2.46	2.28	1.67	1.59	1.20	1.08	0.776	0.681	0.506	0.503	0.286								
	T _{out} [N·m]	119	159	219																					

Selection Tables 6000 Series Reducer



Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195

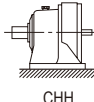
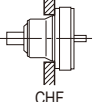
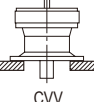
n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
P_i : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Input Speed $n_1 = 1450$ r/min

Frame Size	n_2 [r/min]	242	181	132	112	96.7	85.3	69.0	58.0	50.0	41.4	33.7	28.4	24.6	20.4	16.7	12.2	Page of Dim.
	Ratio[Z]	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	
6125	P_i [kW]	6.96	6.95	5.92	5.92	5.92	5.66	4.79	3.96	3.47	2.88	2.34	1.97	1.62	1.14	1.03	-	CNH C-71 CNF C-76 CNV C-82
	T_{out} [N·m]	261	348	407	482	556	602	630	619	630	630	630	630	598	506	559	-	
	T_{out} [kgf·m]	26.6	35.5	41.5	49.1	56.7	61.4	64.2	63.1	64.2	64.2	64.2	64.2	61.0	51.6	57.0	-	
	Pro[N]	5080	5640	6420	6600	7060	7130	7870	8310	8680	9220	9810	9810	9810	9810	9710	-	
	Pro[kgf]	518	575	654	673	720	727	802	847	885	940	1000	1000	1000	1000	990	-	
6130	P_i [kW]	9.39	9.39	9.39	9.39	7.78	7.27	5.94	4.99	4.30	3.56	2.90	2.44	2.11	1.76	1.42	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	353	470	646	764	731	774	780	780	780	780	780	780	780	780	772	-	
	T_{out} [kgf·m]	36.0	47.9	65.9	77.9	74.5	78.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	78.7	-	
	Pro[N]	5910	6560	7460	7740	7980	8570	9220	9640	10200	10800	11600	12200	12800	13600	14700	-	
	Pro[kgf]	602	669	760	789	813	874	940	983	1040	1100	1180	1240	1300	1390	1500	-	
6135	P_i [kW]	11.3	11.3	11.3	10.2	8.97	8.29	6.72	5.75	4.88	4.11	3.35	2.55	2.44	2.03	1.65	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	424	566	778	832	842	882	883	900	886	900	900	813	900	900	900	-	
	T_{out} [kgf·m]	43.2	57.7	79.3	84.8	85.8	89.9	90.0	91.7	90.3	91.7	91.7	82.9	91.7	91.7	91.7	-	
	Pro[N]	5830	6470	7340	7680	7890	8490	9140	9550	10100	10700	11500	12100	12700	13600	14700	-	
	Pro[kgf]	594	660	748	783	804	865	932	973	1030	1090	1170	1230	1290	1390	1500	-	
6140	P_i [kW]	13.0	13.0	13.0	13.0	12.0	10.1	8.66	6.89	5.95	5.21	3.94	3.43	2.96	2.43	1.98	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	489	652	896	1060	1130	1070	1140	1080	1080	1140	1060	1090	1090	1080	1080	-	
	T_{out} [kgf·m]	49.8	66.5	91.3	108	115	109	116	110	110	116	108	111	111	110	110	-	
	Pro[N]	9230	10200	11400	11700	12200	12800	13700	14500	14800	15900	16000	16000	16000	16000	16000	-	
	Pro[kgf]	941	1040	1160	1190	1240	1300	1400	1480	1510	1620	1630	1630	1630	1630	1630	-	
6145	P_i [kW]	15.1	15.1	15.1	15.1	14.5	12.0	9.49	7.91	7.53	6.26	4.67	3.70	3.18	2.62	2.16	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	569	758	1040	1230	1360	1280	1250	1240	1370	1370	1260	1180	1170	1160	1170	-	
	T_{out} [kgf·m]	58.0	77.3	106	125	139	130	127	126	140	140	128	120	119	118	119	-	
	Pro[N]	9200	10200	11400	11600	12100	12800	13700	14400	14700	15800	16000	16000	16000	16000	16000	-	
	Pro[kgf]	938	1040	1160	1180	1230	1300	1400	1470	1500	1610	1630	1630	1630	1630	1630	-	
6160	P_i [kW]	20.3	19.7	19.7	19.7	18.7	13.1	12.9	9.86	9.56	8.01	6.45	5.50	4.42	3.47	3.22	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	762	986	1360	1600	1760	1390	1700	1540	1740	1760	1740	1760	1630	1540	1760	-	
	T_{out} [kgf·m]	77.7	101	139	163	179	142	173	157	177	179	177	179	166	157	179	-	
	Pro[N]	10100	11300	12700	13200	14000	14800	15800	16700	17300	18500	19900	20800	22100	22100	22100	-	
	Pro[kgf]	1030	1150	1290	1350	1430	1510	1610	1700	1760	1890	2030	2120	2250	2250	2250	-	
6165	P_i [kW]	24.1	24.1	24.1	22.6	22.4	18.8	16.0	13.4	11.4	9.59	7.81	6.58	5.69	4.73	3.77	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	903	1200	1660	1840	2100	2000	2100	2100	2070	2100	2100	2100	2100	2100	2050	-	
	T_{out} [kgf·m]	92.0	122	169	188	214	204	214	214	211	214	214	214	214	214	209	-	
	Pro[N]	9990	11100	12500	13100	13800	14300	15500	16300	17100	18300	19600	20600	22100	22100	21800	-	
	Pro[kgf]	1020	1130	1270	1340	1410	1460	1580	1660	1740	1870	2000	2100	2250	2250	2220	-	
6170	P_i [kW]	27.6	27.6	27.6	27.3	25.5	19.7	18.6	15.6	13.5	11.2	9.08	7.66	6.62	5.50	4.57	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1040	1380	1900	2220	2390	2090	2440	2440	2440	2440	2440	2440	2440	2450	2490	-	
	T_{out} [kgf·m]	106	141	194	226	244	213	249	249	249	249	249	249	249	250	254	-	
	Pro[N]	11300	12500	14200	14700	15400	16400	17700	18500	19500	20800	22300	23400	24600	26200	28100	-	
	Pro[kgf]	1150	1270	1450	1500	1570	1670	1800	1890	1990	2120	2270	2390	2510	2670	2860	-	
6175	P_i [kW]	30.1	30.1	30.1	30.1	30.1	24.1	23.6	19.5	17.4	14.4	11.3	9.87	8.29	6.98	5.62	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	1130	1510	2070	2450	2820	2560	3100	3050	3150	3150	3040	3150	3060	3100	3060	-	
	T_{out} [kgf·m]	115	154	211	250	287	261	316	311	321	321	310	321	312	316	312	-	
	Pro[N]	11300	12400	14100	14600	15100	16100	17300	18100	19200	20500	22000	23000	24300	25800	27800	-	
	Pro[kgf]	1150	1260	1440	1490	1540	1640	1760	1850	1960	2090	2240	2340	2480	2630	2830	-	
6180	P_i [kW]	-	-	35.2	35.2	32.4	30.6	30.0	24.1	19.5	18.5	15.1	12.0	9.75	8.80	7.15	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	2420	2860	3040	3250	3940	3760	3540	4050	4050	3830	3600	3910	3890	-	
	T_{out} [kgf·m]	-	-	247	292	310	331	402	383	361	413	413	390	367	399	397	-	
	Pro[N]	-	-	19100	19800	20800	22000	23600	24700	26100	27800	29900	31200	32800	34900	37700	-	
	Pro[kgf]	-	-	1950	2020	2120	2240	2410	2520	2660	2830	3050	3180	3340	3560	3840	-	
6185	P_i [kW]	-	-	39.0	39.0	39.0	38.2	38.1	30.1	24.1	22.6	18.6	15.1	12.0	9.79	8.59	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	2680	3170	3660	4060	5000	4710	4360	4950	5000	4810	4430	4350	4680	-	
	T_{out} [kgf·m]	-	-	273	323	373	414	510	480	444	505	510	490	452	443	477	-	
	Pro[N]	-	-	19000	19600	20500	21600	23200	24400	25800	27500	29500	30900	32500	34800	37400	-	
	Pro[kgf]	-	-	1940	2000	2090	2200	2360	2490	2630	2800	3010	3150	3310	3550	3810	-	
6190	P_i [kW]	-	-	41.0	41.0	41.0	41.0	41.0	35.2	30.7	24.3	20.9	18.2	15.3	13.5	11.7	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	2820	3330	3850	4360	5390	5500	5570	5320	5640	5800	5640	6000	6380	-	
	T_{out} [kgf·m]	-	-	287	339	392	444	549	561	568	542	575	591	575	612	650	-	
	Pro[N]	-	-	26900	27800	29200	30700	33000	34700	36500	38800	41800	43700	46000	48800	52600	-	
	Pro[kgf]	-	-	2740	2830	2980	3130	3360	3540	3720	3960	4260	4450	4690	4970	5360	-	
6195	P_i [kW]	-	-	48.1	48.1	48.1	48.1	48.1	40.5	37.8	30.1	27.1	20.9	18.8	15.6	13.6	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	3310	3910	4510	5120	6320	6330	6860	6600	7300	6680	6950	6930	7420	-	
	T_{out} [kgf·m]	-	-	337	399	460	522	644	645	699	673	744	681	708	706	756	-	
	Pro[N]	-	-	26700	27600	28900	30500	32700	34400	36200	38400	41400	43500	45700	48500	52300	-	
	Pro[kgf]	-	-	2720	2810	2950	3110	3330	3510	3690	3910	4220	4430	4660	4940	5330	-	
Frame Size	Ratio[Z]	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	Page of Dim.

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

Input Speed		$n_1 = 1450$ r/min		n_1 : Input Speed [r/min] n_2 : Output Speed [r/min] P_1 : Allowable input power [kW]										T_{out} : Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.				 CHH		 CHF		 CVV	
Frame Size	n_2 [r/min] Ratio[Z]	242	181	132	112	96.7	85.3	69.0	58.0	50.0	41.4	33.7	28.4	24.6	20.4	16.7	12.2	Page of Dim.					
		6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119						
6205	P_1 [kW]	-	-	59.7	-	59.7	-	59.2	-	45.7	-	31.8	-	22.6	-	15.9	-	CHH C-72					
	T_{out} [N·m]	-	-	4110	-	5600	-	7780	-	8280	-	8550	-	8340	-	8650	-	CHF C-77					
	T_{out} [kgf·m]	-	-	419	-	571	-	793	-	844	-	872	-	850	-	882	-	CVW C-84					
	Pro[N]	-	-	51700	-	55400	-	61800	-	67500	-	76500	-	83500	-	84100	-						
	Pro[kgf]	-	-	5270	-	5650	-	6300	-	6880	-	7800	-	8510	-	8570	-						
6215	P_1 [kW]	-	-	75.3	-	75.3	-	75.3	-	58.5	-	45.2	-	33.9	-	19.7	-	CHH C-72					
	T_{out} [N·m]	-	-	5190	-	7070	-	9900	-	10600	-	12200	-	12500	-	10700	-	CHF C-77					
	T_{out} [kgf·m]	-	-	529	-	721	-	1010	-	1080	-	1240	-	1270	-	1090	-	CVW C-84					
	Pro[N]	-	-	52000	-	55700	-	62600	-	68300	-	77200	-	84200	-	95400	-						
	Pro[kgf]	-	-	5300	-	5680	-	6380	-	6960	-	7870	-	8580	-	9720	-						
6225	P_1 [kW]	-	-	99.5	-	99.5	-	94.2	-	75.3	-	56.5	-	39.3	-	26.7	-	CHH C-72					
	T_{out} [N·m]	-	-	6850	-	9330	-	12400	-	13700	-	15200	-	14500	-	14600	-	CHF C-77					
	T_{out} [kgf·m]	-	-	698	-	951	-	1260	-	1400	-	1550	-	1480	-	1490	-	CVW C-84					
	Pro[N]	-	-	54800	-	59000	-	65700	-	71800	-	81300	-	89000	-	100000	-						
	Pro[kgf]	-	-	5590	-	6010	-	6700	-	7320	-	8290	-	9070	-	10200	-						
6235	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72					
	T_{out} [N·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHF C-77					
	T_{out} [kgf·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CVW C-84					
	Pro[N]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
6245	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72					
	T_{out} [N·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHF C-77					
	T_{out} [kgf·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CVW C-84					
	Pro[N]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
6255	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72					
	T_{out} [N·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHF C-77					
	T_{out} [kgf·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CVW C-84					
	Pro[N]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
6265	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72					
	T_{out} [N·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHF C-77					
	T_{out} [kgf·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CVW C-84					
	Pro[N]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
6275	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHH C-72					
	T_{out} [N·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CHF C-77					
	T_{out} [kgf·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CVW C-84					
	Pro[N]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Frame Size	Ratio[Z]	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	Page of Dim.					
	n_2 [r/min]	242	181	132	112	96.7	85.3	69.0	58.0	50.0	41.4	33.7	28.4	24.6	20.4	16.7	12.2						

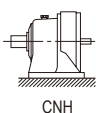
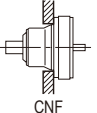
Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.
 2. Refer to pages F-15~16 for allowable radial load for input shaft.

M E M O

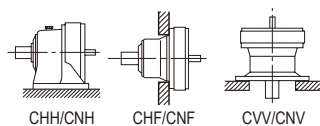
REDUCERS
Selection Tables
Ratio xxx - xxx

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6060 ~ 6120

Input Speed		n ₁ : Input Speed [r/min] n ₂ : Output Speed [r/min] P ₁ : Allowable input power [kW]																T _{out} : Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.				  			
Frame Size	n ₁ [r/min] Ratio[Z]	292	219	159	135	117	103	83.3	70.0	60.3	50.0	40.7	34.3	29.7	24.6	20.1	14.7	Page of Dim.							
6060	P ₁ [kW]	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.110	0.110	0.110	0.090	-	-	-	-	-	CNH C-71							
	T _{out} [N·m]	6.22	8.29	11.4	13.5	15.6	17.6	21.8	14.3	16.5	20.0	20.1	-	-	-	-	-	CNF C-76							
	T _{out} [kgf·m]	0.634	0.845	1.16	1.38	1.59	1.79	2.22	1.46	1.68	2.04	2.05	-	-	-	-	-	CNV C-82							
	Pro[N]	751	859	1170	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-								
	Pro[kgf]	76.6	88	119	120	120	120	120	120	120	120	120	-	-	-	-	-								
6065	P ₁ [kW]	0.286	0.286	0.286	0.286	0.286	0.286	0.234	0.166	0.166	0.143	0.113	-	-	-	-	-	CNH C-71							
	T _{out} [N·m]	8.91	11.9	16.3	19.3	22.3	25.2	25.4	21.5	24.9	26.0	25.2	-	-	-	-	-	CNF C-76							
	T _{out} [kgf·m]	0.908	1.21	1.66	1.97	2.27	2.57	2.59	2.19	2.54	2.65	2.57	-	-	-	-	-	CNV C-82							
	Pro[N]	747	852	1150	1180	1180	1180	1180	1180	1180	1180	1180	-	-	-	-	-								
	Pro[kgf]	76.1	86.9	117	120	120	120	120	120	120	120	120	-	-	-	-	-								
6070	P ₁ [kW]	0.347	0.347	0.347	0.347	0.347	0.347	0.320	0.230	0.226	0.211	0.170	0.100	0.100	-	-	-	CNH C-71							
	T _{out} [N·m]	10.8	14.4	19.8	23.4	27.0	30.5	34.9	29.8	34.0	38.3	37.8	26.4	30.6	-	-	-	CNF C-76							
	T _{out} [kgf·m]	1.10	1.47	2.02	2.39	2.75	3.11	3.56	3.04	3.47	3.90	3.85	2.69	3.12	-	-	-	CNV C-82							
	Pro[N]	1300	1430	1600	1690	1690	1770	1770	1770	1770	1770	1770	1770	1770	-	-	-								
	Pro[kgf]	133	146	163	172	172	180	180	180	180	180	180	180	180	-	-	-								
6075	P ₁ [kW]	0.407	0.407	0.407	0.407	0.407	0.407	0.407	0.294	0.286	0.279	0.226	0.143	0.136	-	-	-	CNH C-71							
	T _{out} [N·m]	12.7	16.9	23.2	27.4	31.6	35.9	44.3	38.1	43.0	50.6	50.4	37.9	41.5	-	-	-	CNF C-76							
	T _{out} [kgf·m]	1.29	1.72	2.36	2.79	3.22	3.66	4.52	3.88	4.38	5.16	5.14	3.86	4.23	-	-	-	CNV C-82							
	Pro[N]	1290	1420	1590	1670	1680	1770	1770	1770	1770	1770	1770	1770	1770	-	-	-								
	Pro[kgf]	131	145	162	170	171	180	180	180	180	180	180	180	180	-	-	-								
6080	P ₁ [kW]	0.592	0.592	0.592	0.592	0.592	0.592	0.478	0.340	0.340	0.329	0.250	0.192	0.185	0.120	0.090	-	CNH C-71							
	T _{out} [N·m]	18.4	24.6	33.8	39.9	46.1	52.2	52.1	44.1	51.1	61.7	55.7	50.8	56.5	44.2	40.6	-	CNF C-76							
	T _{out} [kgf·m]	1.88	2.51	3.45	4.07	4.70	5.32	5.31	4.50	5.21	6.29	5.68	5.18	5.76	4.51	4.14	-	CNV C-82							
	Pro[N]	1800	1940	2140	2300	2370	2480	2440	2530	2560	2560	2560	2560	2560	2560	2560	-								
	Pro[kgf]	183	198	218	234	242	253	249	258	261	261	261	261	261	261	261	-								
6085	P ₁ [kW]	0.778	0.778	0.778	0.778	0.778	0.778	0.550	0.475	0.467	0.371	0.294	0.241	0.234	0.187	0.121	-	CNH C-71							
	T _{out} [N·m]	24.2	32.3	44.4	52.4	60.5	68.5	59.9	61.5	70.2	84.8	65.5	63.7	71.4	74.4	54.7	-	CNF C-76							
	T _{out} [kgf·m]	2.47	3.29	4.53	5.34	6.17	6.98	6.11	6.27	7.16	8.64	6.68	6.49	7.28	7.58	5.58	-	CNV C-82							
	Pro[N]	1790	1930	2120	2280	2350	2450	2430	2500	2550	2560	2560	2560	2560	2560	2560	-								
	Pro[kgf]	182	197	216	232	240	250	248	255	260	261	261	261	261	261	261	-								
6090	P ₁ [kW]	1.15	1.15	1.15	1.15	1.15	1.15	0.758	0.671	0.625	0.612	0.435	0.332	0.309	0.252	0.211	0.125	CNH C-71							
	T _{out} [N·m]	35.7	47.5	65.4	77.3	89.1	101	82.5	86.9	94.0	111	97.0	87.7	94.5	92.6	95.3	77.1	CNF C-76							
	T _{out} [kgf·m]	3.64	4.84	6.67	7.88	9.08	10.3	8.41	8.86	9.58	11.3	9.89	8.94	9.63	9.44	9.71	7.86	CNV C-82							
	Pro[N]	2650	2950	3340	3340	3340	3340	3340	3340	3340	3340	3340	3340	3340	3340	3340	3340								
	Pro[kgf]	270	301	340	340	340	340	340	340	340	340	340	340	340	340	340	340								
6095	P ₁ [kW]	1.52	1.52	1.52	1.52	1.52	1.52	1.52	0.866	0.784	0.758	0.603	0.422	0.373	0.301	0.301	0.151	CNH C-71							
	T _{out} [N·m]	47.1	62.8	86.4	102	118	134	165	112	118	137	134	112	114	111	136	93.0	CNF C-76							
	T _{out} [kgf·m]	4.80	6.40	8.81	10.4	12.0	13.7	16.8	11.4	12.0	14.0	13.7	11.4	11.6	11.3	13.9	9.48	CNV C-82							
	Pro[N]	2630	2910	3300	3300	3280	3290	3260	3340	3340	3320	3340	3340	3340	3340	3340	3340								
	Pro[kgf]	268	297	336	336	334	335	332	340	340	338	340	340	340	340	340	340								
6100	P ₁ [kW]	2.35	2.35	2.35	2.35	2.35	1.99	1.93	1.27	1.21	0.975	0.780	0.560	0.516	0.436	0.433	0.210	CNH C-71							
	T _{out} [N·m]	73.0	97.4	134	158	183	175	210	165	182	177	174	148	158	160	195	130	CNF C-76							
	T _{out} [kgf·m]	7.44	9.93	13.7	16.1	18.7	17.8	21.4	16.8	18.6	18.0	17.7	15.1	16.1	16.3	19.9	13.3	CNV C-82							
	Pro[N]	3850	4290	4860	5050	5330	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400								
	Pro[kgf]	392	437	495	515	543	550	550	550	550	550	550	550	550	550	550	550								
6105	P ₁ [kW]	3.18	3.18	3.18	3.18	3.18	2.46	2.34	1.67	1.59	1.20	1.08	0.776	0.708	0.561	0.565	0.286	CNH C-71							
	T _{out} [N·m]	98.9	132	181	214	247	216	254	217	239	217	242	205	217	207	255	177	CNF C-76							
	T _{out} [kgf·m]	10.1	13.5	18.5	21.8	25.2	22.0	25.9	22.1	24.4	22.1	24.7	20.9	22.1	21.1	26.0	18.0	CNV C-82							
	Pro[N]	3820	4240	4800	4980	5250	5380	5380	5380	5380	5380	5380	5380	5380	5380	5400	5400								
	Pro[kgf]	389	432	489	508	535	548	548	548	548	548	548	548	548	548	550	550								
6110	P ₁ [kW]	3.55	3.55	3.55	3.55	3.55	3.18	2.72	1.91	1.90	1.50	1.30	0.944	0.859	0.669	0.661	-	CNH C-71							
	T _{out} [N·m]	110	147	202	239	276	280	297	248	286	273	290	249	263	246	298	-	CNF C-76							
	T _{out} [kgf·m]	11.2	15.0	20.6	24.4	28.1	28.5	30.3	25.3	29.2	27.8	29.6	25.4	26.8	25.1	30.4	-	CNV C-82							
	Pro[N]	4320	4810	5470	5650	6010	6090	6470	6660	6840	7360	7610	7610	7610	7610	7610	-								
	Pro[kgf]	440	490	558	576	613	621	660	679	697	750	776	776	776	776	776	-								
6115	P ₁ [kW]	3.92	3.92	3.92	3.90	3.90	3.90	3.11	2.22	2.22	1.81	1.52	1.11	1.01	0.758	0.758	-	CNH C-71							
	T _{out</}																								

Selection Tables 6000 Series Reducer



Single Reduction Ratio 6 ~ 119 Frame Size: 6125 ~ 6195

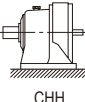
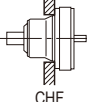
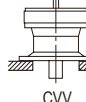
n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Input Speed $n_1 = 1750$ r/min

Frame Size	n_2 [r/min]	292	219	159	135	117	103	83.3	70.0	60.3	50.0	40.7	34.3	29.7	24.6	20.1	14.7	Page of Dim.
	Ratio[Z]	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	
6125	P_i [kW]	5.81	6.95	5.92	5.92	5.92	5.66	4.88	3.96	3.77	3.18	2.38	2.28	1.62	1.20	1.13	-	CNH C-71 CNF C-76 CNV C-82
	T_{out} [N·m]	181	288	338	399	460	499	532	513	566	577	531	602	495	441	510	-	
	T_{out} [kgf·m]	18.5	29.4	34.5	40.7	46.9	50.9	54.2	52.3	57.7	58.8	54.1	61.4	50.5	45.0	52.0	-	
	Pro[N]	4840	5340	6080	6250	6700	6760	7450	7870	8170	8670	9340	9740	9790	9790	9810	-	
	Pro[kgf]	493	544	620	637	683	689	759	802	833	884	952	993	998	998	1000	-	
6130	P_i [kW]	9.39	9.39	9.39	9.39	7.78	7.27	6.14	5.16	4.48	3.71	2.99	2.54	2.19	1.83	1.42	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	292	389	535	633	605	641	669	669	674	673	668	672	669	674	640	-	
	T_{out} [kgf·m]	29.8	39.7	54.5	64.5	61.7	65.3	68.2	68.2	68.7	68.6	68.1	68.5	68.2	68.7	65.2	-	
	Pro[N]	5590	6210	7060	7330	7550	8120	8710	9100	9610	10200	11000	11500	12100	12900	13900	-	
	Pro[kgf]	570	633	720	747	770	828	888	928	980	1040	1120	1170	1230	1310	1420	-	
6135	P_i [kW]	11.3	11.3	11.3	11.3	8.97	8.29	7.53	5.95	5.64	4.25	3.77	2.93	2.52	2.17	1.91	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	352	469	645	762	697	730	820	771	848	771	840	775	772	799	861	-	
	T_{out} [kgf·m]	35.9	47.8	65.7	77.7	71.0	74.4	83.6	78.6	86.4	78.6	85.6	79.0	78.7	81.4	87.8	-	
	Pro[N]	5520	6140	6970	7230	7480	8050	8590	9030	9480	10100	10800	11400	12000	12800	13800	-	
	Pro[kgf]	563	626	710	737	762	821	876	920	966	1030	1100	1160	1220	1300	1410	-	
6140	P_i [kW]	13.0	13.0	13.0	13.0	12.0	10.1	8.66	6.89	5.95	5.21	3.94	3.43	2.96	2.43	1.98	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	405	540	743	878	933	888	943	893	895	945	879	906	905	895	893	-	
	T_{out} [kgf·m]	41.3	55.0	75.7	89.5	95.1	90.5	96.1	91.0	91.2	96.3	89.6	92.4	92.3	91.2	91.0	-	
	Pro[N]	8750	9690	10900	11100	11600	12200	13000	13700	14000	15100	15800	16000	16000	16000	16000	-	
	Pro[kgf]	892	988	1110	1130	1180	1240	1330	1400	1430	1540	1610	1630	1630	1630	1630	-	
6145	P_i [kW]	15.1	15.1	15.1	15.1	15.1	12.0	11.0	7.91	7.53	7.53	5.39	4.22	3.65	3.03	2.48	-	CHH C-72 CHF C-77 CVV C-83
	T_{out} [N·m]	471	628	864	1020	1170	1060	1190	1030	1130	1370	1200	1120	1120	1110	1120	-	
	T_{out} [kgf·m]	48.0	64.0	88.1	104	119	108	121	105	115	140	122	114	114	113	114	-	
	Pro[N]	8720	9650	10800	11000	11500	12100	12900	13700	14000	14900	15600	16000	16000	16000	16000	-	
	Pro[kgf]	889	984	1100	1120	1170	1230	1310	1400	1430	1520	1590	1630	1630	1630	1630	-	
6160	P_i [kW]	20.3	19.7	19.7	19.7	18.7	13.1	12.9	9.86	10.5	9.67	7.45	5.75	4.42	3.47	3.47	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	631	817	1120	1330	1460	1150	1400	1280	1580	1760	1660	1520	1350	1280	1570	-	
	T_{out} [kgf·m]	64.3	83.3	114	136	149	117	143	130	161	179	169	155	138	130	160	-	
	Pro[N]	9550	10700	12000	12500	13300	14000	14900	15800	16300	17300	18700	19600	21900	22000	21800	-	
	Pro[kgf]	973	1090	1220	1270	1360	1430	1520	1610	1660	1760	1910	2000	2230	2240	2220	-	
6165	P_i [kW]	24.1	24.1	24.1	22.6	22.6	18.8	16.1	15.1	11.4	11.4	7.91	7.53	5.75	5.65	3.90	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	748	997	1370	1520	1760	1660	1750	1950	1720	2070	1760	1990	1760	2080	1760	-	
	T_{out} [kgf·m]	76.2	102	140	155	179	169	178	199	175	211	179	203	179	212	179	-	
	Pro[N]	9460	10500	11900	12400	13100	13600	14700	15300	16200	17100	18600	19300	21700	21500	21700	-	
	Pro[kgf]	964	1070	1210	1260	1340	1390	1500	1560	1650	1740	1900	1970	2210	2190	2210	-	
6170	P_i [kW]	27.6	27.6	27.6	27.3	25.5	19.7	19.5	15.8	14.3	12.0	9.75	8.39	7.15	5.92	4.81	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	859	1140	1570	1840	1980	1730	2120	2050	2150	2180	2170	2220	2190	2180	2170	-	
	T_{out} [kgf·m]	87.6	116	160	188	202	176	216	209	219	222	221	226	223	222	221	-	
	Pro[N]	10700	11800	13500	14000	14600	15500	16700	17500	18400	19600	21000	22000	23200	24600	26500	-	
	Pro[kgf]	1090	1200	1380	1430	1490	1580	1700	1780	1880	2000	2140	2240	2360	2510	2700	-	
6175	P_i [kW]	30.1	30.1	30.1	30.1	30.1	24.1	24.1	19.5	18.8	15.1	11.3	11.3	8.29	7.15	5.62	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	937	1250	1720	2030	2340	2120	2620	2530	2830	2730	2520	2990	2540	2630	2540	-	
	T_{out} [kgf·m]	95.5	127	175	207	239	216	267	258	288	278	257	305	259	268	259	-	
	Pro[N]	10700	11700	13400	13900	14400	15300	16400	17200	18100	19300	20900	21600	23000	24400	26300	-	
	Pro[kgf]	1090	1190	1370	1420	1470	1560	1670	1750	1850	1970	2130	2200	2340	2490	2680	-	
6180	P_i [kW]	-	-	35.2	35.2	32.4	30.6	30.0	24.1	19.5	18.8	15.1	12.0	9.75	8.80	7.15	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	2010	2370	2520	2690	3270	3120	2930	3410	3360	3170	2980	3240	3220	-	
	T_{out} [kgf·m]	-	-	205	242	257	274	333	318	299	348	343	323	304	330	328	-	
	Pro[N]	-	-	18000	18700	19700	20800	22400	23400	24600	26300	28300	29500	31000	33000	35600	-	
	Pro[kgf]	-	-	1830	1910	2010	2120	2280	2390	2510	2680	2880	3010	3160	3360	3630	-	
6185	P_i [kW]	-	-	39.0	39.0	39.0	39.0	39.0	30.1	24.1	22.6	18.8	15.1	12.0	9.79	8.59	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	2220	2630	3030	3440	4250	3910	3620	4100	4200	3980	3670	3610	3870	-	
	T_{out} [kgf·m]	-	-	226	268	309	351	433	399	369	418	428	406	374	368	394	-	
	Pro[N]	-	-	17900	18600	19500	20500	22000	23100	24400	26000	27900	29200	30700	32800	35400	-	
	Pro[kgf]	-	-	1820	1900	1990	2090	2240	2350	2490	2650	2840	2980	3130	3340	3610	-	
6190	P_i [kW]	-	-	41.0	41.0	41.0	41.0	41.0	35.2	30.7	24.3	20.9	18.2	15.3	13.5	11.8	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	2340	2760	3190	3610	4460	4560	4620	4410	4670	4810	4670	4980	5320	-	
	T_{out} [kgf·m]	-	-	239	281	325	368	455	465	471	450	476	490	476	508	542	-	
	Pro[N]	-	-	25300	26300	27500	29000	31200	32800	34500	36600	39500	41300	43400	46000	49600	-	
	Pro[kgf]	-	-	2580	2680	2800	2960	3180	3340	3520	3730	4030	4210	4420	4690	5060	-	
6195	P_i [kW]	-	-	48.1	48.1	48.1	48.1	48.1	40.5	37.8	30.1	30.1	20.9	18.8	15.6	13.6	-	CHH C-72 CHF C-77 CVV C-84
	T_{out} [N·m]	-	-	2740	3240	3740	4240	5240	5240	5680	5470	6720	5540	5760	5740	6150	-	
	T_{out} [kgf·m]	-	-	279	330	381	432	534	534	579	558	685	565	587	585	627	-	
	Pro[N]	-	-	25200	26100	27300	28800	31000	32600	34200	36300	38900	41100	43100	45800	49400	-	
	Pro[kgf]	-	-	2570	2660	2780	2940	3160	3320	3490	3700	3970	4190	4390	4670	5040	-	
Frame Size	n_2 [r/min]	292	219	159	135	117	103	83.3	70.0	60.3	50.0	40.7	34.3	29.7	24.6	20.1	14.7	Page of Dim.

Selection Tables 6000 Series Reducer

Single Reduction Ratio 6 ~ 119 Frame Size: 6205 ~ 6275

Input Speed		n ₁ = 1750 r/min												n ₁ : Input Speed [r/min] n ₂ : Output Speed [r/min] P _i : Allowable input power [kW]				T _{out} : Allowable output torque [N·m, kgf·m] Pro: Allowable output shaft radial load [N, kgf] *Consult us for Pro of CNF and CHF type.						
Frame Size	n ₂ [r/min] Ratio[Z]	292	219	159	135	117	103	83.3	70.0	60.3	50.0	40.7	34.3	29.7	24.6	20.1	14.7	Page of Dim.						
6205	P _i [kW]	-	-	59.7	-	59.7	-	59.2	-	45.7	-	31.8	-	22.6	-	15.9	-	CHH C-72 CHF C-77 CVW C-84						
	T _{OUT} [N·m]	-	-	3400	-	4640	-	6450	-	6860	-	7090	-	6910	-	7170	-							
	T _{OUT} [kgf·m]	-	-	347	-	473	-	657	-	699	-	723	-	704	-	731	-							
	Pro[N]	-	-	48900	-	52500	-	58600	-	64100	-	72500	-	79200	-	84100	-							
	Pro[kgf]	-	-	4980	-	5350	-	5970	-	6530	-	7390	-	8070	-	8570	-							
6215	P _i [kW]	-	-	75.3	-	75.3	-	75.3	-	58.5	-	45.2	-	37.7	-	21.4	-	CHH C-72 CHF C-77 CVW C-84						
	T _{OUT} [N·m]	-	-	4300	-	5860	-	8200	-	8790	-	10100	-	11500	-	9650	-							
	T _{OUT} [kgf·m]	-	-	438	-	597	-	836	-	896	-	1030	-	1170	-	984	-							
	Pro[N]	-	-	49300	-	52900	-	59500	-	64900	-	73300	-	79700	-	90300	-							
	Pro[kgf]	-	-	5030	-	5390	-	6070	-	6620	-	7470	-	8120	-	9200	-							
6225	P _i [kW]	-	-	99.5	-	99.5	-	94.2	-	75.3	-	56.5	-	45.2	-	26.7	-	CHH C-72 CHF C-77 CVW C-84						
	T _{OUT} [N·m]	-	-	5670	-	7730	-	10300	-	11300	-	12600	-	13800	-	12100	-							
	T _{OUT} [kgf·m]	-	-	578	-	788	-	1050	-	1150	-	1280	-	1410	-	1230	-							
	Pro[N]	-	-	52100	-	56100	-	62500	-	68200	-	77200	-	84100	-	95200	-							
	Pro[kgf]	-	-	5310	-	5720	-	6370	-	6950	-	7870	-	8570	-	9700	-							
6235	P _i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	T _{OUT} [N·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	T _{OUT} [kgf·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Pro[N]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
6245	P _i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	T _{OUT} [N·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	T _{OUT} [kgf·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Pro[N]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
6255	P _i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	T _{OUT} [N·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	T _{OUT} [kgf·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Pro[N]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
6265	P _i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	T _{OUT} [N·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	T _{OUT} [kgf·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Pro[N]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
6275	P _i [kW]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	T _{OUT} [N·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	T _{OUT} [kgf·m]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Pro[N]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
Frame Size	n ₂ [r/min] Ratio[Z]	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119	Page of Dim.						

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.
2. Refer to pages F-15~16 for allowable radial load for input shaft.

M E M O

REDUCERS
Selection Tables
Ratio xxx - xxx

Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6060DA ~ 6130DA

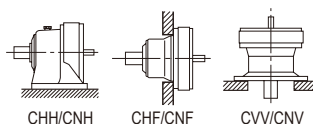
Input Speed	$n_1 = 1450$ r/min	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
		n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
		P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Frame Size	n_2 [r/min] Ratio [Z]	13.9	12.0	10.1	8.79	7.44	6.28	5.31	4.55	3.85	3.07	2.59	2.23	1.98	1.72
		104	121	143	165	195	231	273	319	377	473	559	649	731	841
6060DA	P_1 [kW]	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	0.100	0.100
	T_{out} [N·m]	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	-	24.0	24.0
	T_{out} [kgf·m]	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	-	2.45	2.45
	Pro[N]	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	1180	1180
	Pro[kgf]	120	120	120	120	120	120	120	120	120	120	120	-	120	120
6065DA	P_1 [kW]	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	0.100	0.100
	T_{out} [N·m]	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	-	30.0	30.0
	T_{out} [kgf·m]	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	-	3.06	3.06
	Pro[N]	1180	1140	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	1180	1180
	Pro[kgf]	120	116	120	120	120	120	120	120	120	120	120	-	120	120
6070DA	P_1 [kW]	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
	T_{out} [N·m]	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
	T_{out} [kgf·m]	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59
	Pro[N]	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770
	Pro[kgf]	180	180	180	180	180	180	180	180	180	180	180	180	180	180
6075DA	P_1 [kW]	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
	T_{out} [N·m]	60.0	50.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	57.4	60.0	60.0
	T_{out} [kgf·m]	6.12	5.18	6.12	6.12	6.12	6.12	6.12	6.12	6.12	6.12	6.12	5.85	6.12	6.12
	Pro[N]	1770	1770	1770	1770	1770	1770	1770	1770	1770	1660	1660	1580	1660	1770
	Pro[kgf]	180	180	180	180	180	180	180	180	180	169	169	161	169	180
6090DA	P_1 [kW]	0.243	0.209	0.177	0.153	0.130	0.110	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
	T_{out} [N·m]	150	150	150	150	150	150	150	150	150	150	150	146	150	150
	T_{out} [kgf·m]	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	14.9	15.3	15.3
	Pro[N]	3340	3340	3340	3340	3340	3340	3340	3290	3290	3310	3310	3300	3310	3290
	Pro[kgf]	340	340	340	340	340	340	340	336	336	338	338	336	338	336
6095DA	P_1 [kW]	0.293	0.224	0.216	0.204	0.173	0.146	0.124	0.106	0.100	0.100	0.100	-	0.100	0.100
	T_{out} [N·m]	181	160	183	200	200	200	200	200	200	200	200	-	200	200
	T_{out} [kgf·m]	18.4	16.4	18.7	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	-	20.4	20.4
	Pro[N]	3340	3340	3340	3340	3340	3340	3340	3200	3200	3220	3220	-	3220	3200
	Pro[kgf]	340	340	340	340	340	340	340	326	326	328	328	-	328	326
6100DA	P_1 [kW]	0.406	0.349	0.295	0.256	0.216	0.183	0.154	0.132	0.112	0.100	0.100	0.100	0.100	0.100
	T_{out} [N·m]	250	250	250	250	250	250	250	250	250	250	250	250	250	250
	T_{out} [kgf·m]	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
	Pro[N]	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400
	Pro[kgf]	550	550	550	550	550	550	550	550	550	550	550	550	550	550
6105DA	P_1 [kW]	0.407	0.407	0.354	0.307	0.260	0.219	0.185	0.159	0.134	0.107	0.100	0.100	0.100	0.100
	T_{out} [N·m]	251	292	300	300	300	300	300	300	300	300	300	296	300	300
	T_{out} [kgf·m]	25.6	29.8	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.2	30.6	30.6
	Pro[N]	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5090	5400	5400
	Pro[kgf]	550	550	550	550	550	550	550	550	550	550	550	519	550	550
6120DA	P_1 [kW]	-	-	0.407	0.407	0.407	0.381	0.322	0.275	0.233	0.187	0.158	0.136	0.121	0.104
	T_{out} [N·m]	-	-	345	398	470	522	522	520	520	525	525	525	525	520
	T_{out} [kgf·m]	-	-	35.2	40.6	48.0	53.2	53.2	53.0	53.0	53.5	53.5	53.5	53.5	53.0
	Pro[N]	-	-	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810
	Pro[kgf]	-	-	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
6120DB	P_1 [kW]	0.852	0.732	0.619	0.537	0.454	0.381	-	-	-	-	-	-	-	-
	T_{out} [N·m]	525	525	525	525	525	522	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	53.5	53.5	53.5	53.5	53.5	53.2	-	-	-	-	-	-	-	-
	Pro[N]	9810	9810	9810	9810	9810	9810	-	-	-	-	-	-	-	-
	Pro[kgf]	1000	1000	1000	1000	1000	1000	-	-	-	-	-	-	-	-
6125DA	P_1 [kW]	-	-	-	-	-	0.407	0.389	0.333	0.282	0.225	0.190	0.164	0.145	0.126
	T_{out} [N·m]	-	-	-	-	-	557	630	630	630	630	630	630	630	630
	T_{out} [kgf·m]	-	-	-	-	-	56.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
	Pro[N]	-	-	-	-	-	9810	9810	9810	9810	9810	9810	9810	9810	9810
	Pro[kgf]	-	-	-	-	-	1000	1000	1000	1000	1000	1000	1000	1000	1000
6125DB	P_1 [kW]	1.02	0.867	0.743	0.644	0.545	0.460	0.389	0.333	-	-	-	-	-	-
	T_{out} [N·m]	630	622	630	630	630	630	630	630	-	-	-	-	-	-
	T_{out} [kgf·m]	64.2	63.4	64.2	64.2	64.2	64.2	64.2	64.2	-	-	-	-	-	-
	Pro[N]	9810	9810	9810	9810	9810	9810	9810	9810	-	-	-	-	-	-
	Pro[kgf]	1000	1000	1000	1000	1000	1000	1000	1000	-	-	-	-	-	-
6130DA	P_1 [kW]	-	-	-	-	-	0.407	0.407	0.349	0.278	0.235	0.237	0.200	0.200	0.200
	T_{out} [N·m]	-	-	-	-	-	658	769	780	780	780	780	780	780	780
	T_{out} [kgf·m]	-	-	-	-	-	67.1	78.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
	Pro[N]	-	-	-	-	-	14700	14700	14700	14700	14700	14700	14700	14700	14700
	Pro[kgf]	-	-	-	-	-	1500	1500	1500	1500	1500	1500	1500	1500	1500
Frame Size	Ratio [Z]	104	121	143	165	195	231	273	319	377	473	559	649	731	841
	n_2 [r/min]	13.9	12.0	10.1	8.79	7.44	6.28	5.31	4.55	3.85	3.07	2.59	2.23	1.98	1.72

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1450$ r/min

1.45	1.16	0.980	0.784	0.702	0.572	0.476	0.417	0.327	0.282	0.235	0.192	n_2 [r/min]	Page of Dim.	Frame Size
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]		
-	0.100	-	0.100	-	-	-	-	-	-	-	-	P_1 [kW]	CNH C-73	6060DA
-	24.0	-	24.0	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CNF C-78	
-	2.45	-	2.45	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CNV C-85	
-	1180	-	1180	-	-	-	-	-	-	-	-	Pro[N]		
-	120	-	120	-	-	-	-	-	-	-	-	Pro[kgf]		
-	0.100	-	0.100	-	-	-	-	-	-	-	-	P_1 [kW]	CNH C-73	6065DA
-	30.0	-	30.0	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CNF C-78	
-	3.06	-	3.06	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CNV C-85	
-	1180	-	1180	-	-	-	-	-	-	-	-	Pro[N]		
-	120	-	120	-	-	-	-	-	-	-	-	Pro[kgf]		
0.100	0.100	-	0.100	0.100	0.100	-	-	-	-	-	-	P_1 [kW]	CNH C-73	6070DA
45.0	45.0	-	45.0	45.0	45.0	-	-	-	-	-	-	T_{OUT} [N•m]	CNF C-78	
4.59	4.59	-	4.59	4.59	4.59	-	-	-	-	-	-	T_{OUT} [kgf•m]	CNV C-85	
1770	1770	-	1770	1770	1770	-	-	-	-	-	-	Pro[N]		
180	180	-	180	180	180	-	-	-	-	-	-	Pro[kgf]		
0.100	0.100	-	0.100	0.100	0.100	-	-	-	-	-	-	P_1 [kW]	CNH C-73	6075DA
57.4	60.0	-	60.0	57.4	57.4	-	-	-	-	-	-	T_{OUT} [N•m]	CNF C-78	
5.85	6.12	-	6.12	5.85	5.85	-	-	-	-	-	-	T_{OUT} [kgf•m]	CNV C-85	
1580	1660	-	1660	1580	1580	-	-	-	-	-	-	Pro[N]		
161	169	-	169	161	161	-	-	-	-	-	-	Pro[kgf]		
0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6090DA
146	150	150	150	146	146	150	146	150	150	-	-	T_{OUT} [N•m]	CNF C-78	
14.9	15.3	15.3	15.3	14.9	14.9	15.3	14.9	15.3	15.3	-	-	T_{OUT} [kgf•m]	CNV C-85	
3300	3310	3310	3310	3300	3300	3310	3300	3310	3310	-	-	Pro[N]		
336	338	338	338	336	336	338	336	338	338	-	-	Pro[kgf]		
-	0.100	0.100	0.100	-	-	0.100	-	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6095DA
-	200	193	200	-	-	192	-	192	192	-	-	T_{OUT} [N•m]	CNF C-78	
-	20.4	19.6	20.4	-	-	19.6	-	19.6	19.6	-	-	T_{OUT} [kgf•m]	CNV C-85	
-	3220	3240	3220	-	-	3240	-	3240	3240	-	-	Pro[N]		
-	328	330	328	-	-	330	-	330	330	-	-	Pro[kgf]		
0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6100DA
250	250	250	250	250	250	250	250	250	250	-	-	T_{OUT} [N•m]	CNF C-78	
25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	-	-	T_{OUT} [kgf•m]	CNV C-85	
5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	-	-	Pro[N]		
550	550	550	550	550	550	550	550	550	550	-	-	Pro[kgf]		
0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6105DA
296	300	300	300	296	296	300	296	300	300	-	-	T_{OUT} [N•m]	CNF C-78	
30.2	30.6	30.6	30.6	30.2	30.2	30.6	30.2	30.6	30.6	-	-	T_{OUT} [kgf•m]	CNV C-85	
5090	5400	4780	5400	5090	5090	4780	5090	4780	4780	-	-	Pro[N]		
519	550	488	550	519	519	488	519	488	488	-	-	Pro[kgf]		
0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6120DA
525	525	525	525	525	525	525	525	525	525	-	-	T_{OUT} [N•m]	CNF C-78	
53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	-	-	T_{OUT} [kgf•m]	CNV C-85	
9810	9810	9780	9810	9810	9810	9780	9810	9780	9780	-	-	Pro[N]		
1000	1000	997	1000	1000	1000	997	1000	997	997	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	0.100	0.100	P_1 [kW]	CNH C-73	6120DB
-	-	-	-	-	-	-	-	-	-	525	525	T_{OUT} [N•m]	CNF C-78	
-	-	-	-	-	-	-	-	-	-	53.5	53.5	T_{OUT} [kgf•m]	CNV C-85	
-	-	-	-	-	-	-	-	-	-	9780	9780	Pro[N]		
-	-	-	-	-	-	-	-	-	-	997	997	Pro[kgf]		
0.106	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6125DA
630	630	630	630	630	630	630	630	630	630	-	-	T_{OUT} [N•m]	CNF C-78	
64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	-	-	T_{OUT} [kgf•m]	CNV C-85	
9810	9810	9560	9810	9810	9810	9560	9810	9560	9560	-	-	Pro[N]		
1000	1000	974	1000	1000	1000	974	1000	974	974	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	0.100	0.100	P_1 [kW]	CNH C-73	6125DB
-	-	-	-	-	-	-	-	-	-	630	630	T_{OUT} [N•m]	CNF C-78	
-	-	-	-	-	-	-	-	-	-	64.2	64.2	T_{OUT} [kgf•m]	CNV C-85	
-	-	-	-	-	-	-	-	-	-	9560	9560	Pro[N]		
-	-	-	-	-	-	-	-	-	-	974	974	Pro[kgf]		
0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	-	-	P_1 [kW]	CHH C-74	6130DA
912	780	848	780	912	912	848	912	848	848	-	-	T_{OUT} [N•m]	CHF C-79	
93.0	79.5	86.5	79.5	93.0	93.0	86.5	93.0	86.5	86.5	-	-	T_{OUT} [kgf•m]	CVV C-86	
14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	-	-	Pro[N]		
1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	-	-	Pro[kgf]		
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]	Page of Dim.	Frame Size
1.45	1.16	0.980	0.784	0.702	0.572	0.476	0.417	0.327	0.282	0.235	0.192	n_2 [r/min]		

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

REDUCERS

Selection Tables
Ratio 104/121 - 7569

Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6130DB ~ 6160DB

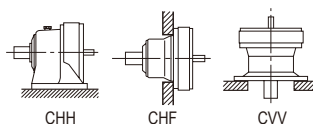
Input Speed	$n_1 = 1450$ r/min	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
		n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
		P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Frame Size	n_2 [r/min] Ratio [Z]	13.9	12.0	10.1	8.79	7.44	6.28	5.31	4.55	3.85	3.07	2.59	2.23	1.98	1.72
		104	121	143	165	195	231	273	319	377	473	559	649	731	841
6130DB	P_1 [kW]	1.27	1.09	0.920	0.798	0.675	0.570	0.482	0.413	0.349	-	-	-	-	-
	T_{out} [N·m]	780	780	780	780	780	780	780	780	780	-	-	-	-	-
	T_{out} [kgf·m]	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	-	-	-	-	-
	Pro[N]	14700	14700	14700	14700	14700	14700	14700	14700	14700	-	-	-	-	-
	Pro[kgf]	1500	1500	1500	1500	1500	1500	1500	1500	1500	-	-	-	-	-
6130DC	P_1 [kW]	1.27	-	-	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	780	-	-	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	79.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pro[N]	14700	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	1500	-	-	-	-	-	-	-	-	-	-	-	-	-
6135DA	P_1 [kW]	-	-	-	-	-	-	-	0.407	0.407	0.335	0.284	0.273	0.217	0.200
	T_{out} [N·m]	-	-	-	-	-	-	-	769	907	940	940	1050	940	940
	T_{out} [kgf·m]	-	-	-	-	-	-	-	78.5	92.7	95.8	95.8	107	95.8	95.8
	Pro[N]	-	-	-	-	-	-	-	14700	14700	14700	14700	14700	14700	14700
	Pro[kgf]	-	-	-	-	-	-	-	1500	1500	1500	1500	1500	1500	1500
6135DB	P_1 [kW]	1.52	1.31	1.11	0.961	0.813	0.686	0.581	0.497	0.421	0.335	-	-	-	-
	T_{out} [N·m]	940	940	940	940	940	940	940	940	940	940	-	-	-	-
	T_{out} [kgf·m]	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	-	-	-	-
	Pro[N]	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	-	-	-	-
	Pro[kgf]	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	-	-	-	-
6135DC	P_1 [kW]	1.52	1.31	-	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	940	940	-	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	95.8	95.8	-	-	-	-	-	-	-	-	-	-	-	-
	Pro[N]	14700	14700	-	-	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	1500	1500	-	-	-	-	-	-	-	-	-	-	-	-
6140DA	P_1 [kW]	-	-	-	-	-	-	-	-	0.407	0.407	0.370	0.318	0.283	0.246
	T_{out} [N·m]	-	-	-	-	-	-	-	-	909	1140	1230	1230	1230	1230
	T_{out} [kgf·m]	-	-	-	-	-	-	-	-	92.7	116	125	125	125	125
	Pro[N]	-	-	-	-	-	-	-	-	16000	16000	16000	16000	16000	16000
	Pro[kgf]	-	-	-	-	-	-	-	-	1630	1630	1630	1630	1630	1630
6140DB	P_1 [kW]	1.52	1.52	1.45	1.25	1.06	0.895	0.757	0.648	0.548	0.437	0.370	-	-	-
	T_{out} [N·m]	934	1090	1230	1230	1230	1230	1230	1230	1230	1230	1230	-	-	-
	T_{out} [kgf·m]	95	111	125	125	125	125	125	125	125	125	125	-	-	-
	Pro[N]	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	-	-	-
	Pro[kgf]	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	-	-	-
69140DC	P_1 [kW]	1.99	1.71	1.45	1.25	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	1230	1230	1230	1230	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	125	125	125	125	-	-	-	-	-	-	-	-	-	-
	Pro[N]	16000	16000	16000	16000	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	1630	1630	1630	1630	-	-	-	-	-	-	-	-	-	-
6145DA	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	0.407	0.356	0.316	0.275
	T_{out} [N·m]	-	-	-	-	-	-	-	-	-	-	1230	1370	1370	1370
	T_{out} [kgf·m]	-	-	-	-	-	-	-	-	-	-	125	140	140	140
	Pro[N]	-	-	-	-	-	-	-	-	-	-	15700	16000	15700	15800
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	1600	1630	1600	1610
6145DB	P_1 [kW]	-	-	1.52	1.39	1.17	0.977	0.827	0.725	0.613	0.489	0.413	0.356	-	0.275
	T_{out} [N·m]	-	-	1280	1360	1360	1340	1340	1370	1370	1370	1370	1370	-	1370
	T_{out} [kgf·m]	-	-	131	138	138	136	136	140	140	140	140	140	-	140
	Pro[N]	-	-	16000	16000	16000	16000	16000	15800	15800	15700	15700	16000	-	15800
	Pro[kgf]	-	-	1630	1630	1630	1630	1630	1610	1610	1600	1600	1630	-	1610
6145DC	P_1 [kW]	2.22	1.80	1.62	1.39	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	1370	1290	1370	1360	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	140	132	140	138	-	-	-	-	-	-	-	-	-	-
	Pro[N]	15900	16000	15900	16000	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	1620	1630	1620	1630	-	-	-	-	-	-	-	-	-	-
6160DA	P_1 [kW]	-	-	-	1.52	1.52	1.28	1.08	0.928	0.785	0.619	0.524	0.456	0.400	0.400
	T_{out} [N·m]	-	-	-	1480	1760	1760	1760	1760	1760	1740	1740	1760	1740	1760
	T_{out} [kgf·m]	-	-	-	151	179	179	179	179	179	177	177	179	177	179
	Pro[N]	-	-	-	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100
	Pro[kgf]	-	-	-	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
6160DB	P_1 [kW]	2.85	2.45	2.07	1.79	1.52	1.28	-	-	-	-	-	-	-	-
	T_{out} [N·m]	1760	1760	1760	1760	1760	1760	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	179	179	179	179	179	179	-	-	-	-	-	-	-	-
	Pro[N]	22100	22100	22100	22100	22100	22100	-	-	-	-	-	-	-	-
	Pro[kgf]	2250	2250	2250	2250	2250	2250	-	-	-	-	-	-	-	-
Frame Size	Ratio [Z]	104	121	143	165	195	231	273	319	377	473	559	649	731	841
	n_2 [r/min]	13.9	12.0	10.1	8.79	7.44	6.28	5.31	4.55	3.85	3.07	2.59	2.23	1.98	1.72

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1450 \text{ r/min}$

1.45	1.16	0.980	0.784	0.702	0.572	0.476	0.417	0.327	0.282	0.235	0.192	n_2 [r/min]	Page of Dim.	Frame Size
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]		
-	-	-	-	-	-	-	-	-	-	0.200	0.200	P_1 [kW]	CHH C-74	6130DB
-	-	-	-	-	-	-	-	-	-	848	848	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	86.5	86.5	T_{OUT} [kgf•m]	CVW C-86	
-	-	-	-	-	-	-	-	-	-	14700	14700	Pro[N]		
-	-	-	-	-	-	-	-	-	-	1500	1500	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74	6130DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-86	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	-	-	P_1 [kW]	CHH C-74	6135DA
1050	940	979	940	1050	1050	979	1050	979	979	-	-	T_{OUT} [N•m]	CHF C-79	
107	95.8	99.8	95.8	107	107	99.8	107	99.8	99.8	-	-	T_{OUT} [kgf•m]	CVW C-86	
14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	-	-	Pro[N]		
1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	0.200	0.200	P_1 [kW]	CHH C-74	6135DB
-	-	-	-	-	-	-	-	-	-	979	979	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	99.8	99.8	T_{OUT} [kgf•m]	CVW C-86	
-	-	-	-	-	-	-	-	-	-	14700	14700	Pro[N]		
-	-	-	-	-	-	-	-	-	-	1500	1500	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74	6135DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-86	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.206	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	-	-	P_1 [kW]	CHH C-74	6140DA
1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	-	-	T_{OUT} [N•m]	CHF C-79	
125	125	125	125	125	125	125	125	125	125	-	-	T_{OUT} [kgf•m]	CVW C-86	
16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	-	-	Pro[N]		
1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	0.200	0.200	P_1 [kW]	CHH C-74	6140DB
-	-	-	-	-	-	-	-	-	-	1230	1230	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	125	125	T_{OUT} [kgf•m]	CVW C-86	
-	-	-	-	-	-	-	-	-	-	16000	16000	Pro[N]		
-	-	-	-	-	-	-	-	-	-	1630	1630	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74	69140DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-86	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.230	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	-	-	P_1 [kW]	CHH C-74	6145DA
1370	1370	1250	1370	1370	1370	1250	1370	1250	1250	-	-	T_{OUT} [N•m]	CHF C-79	
140	140	127	140	140	140	127	140	127	127	-	-	T_{OUT} [kgf•m]	CVW C-86	
16000	15700	16000	15700	16000	16000	16000	16000	16000	16000	-	-	Pro[N]		
1630	1600	1630	1600	1630	1630	1630	1630	1630	1630	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	0.200	0.200	P_1 [kW]	CHH C-74	6145DB
-	-	-	-	-	-	-	-	-	-	1250	1250	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	127	127	T_{OUT} [kgf•m]	CVW C-86	
-	-	-	-	-	-	-	-	-	-	16000	16000	Pro[N]		
-	-	-	-	-	-	-	-	-	-	1630	1630	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74	6145DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-86	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.400	0.400	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	P_1 [kW]	CHH C-74	6160DA
1760	1740	1760	1740	1760	1760	1760	1760	1760	1760	1760	1760	T_{OUT} [N•m]	CHF C-79	
179	177	179	177	179	179	179	179	179	179	179	179	T_{OUT} [kgf•m]	CVW C-86	
22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	Pro[N]		
2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74	6160DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-86	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]	Page of Dim.	Frame Size
1.45	1.16	0.980	0.784	0.702	0.572	0.476	0.417	0.327	0.282	0.235	0.192	n_2 [r/min]		

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

REDUCERS

Selection Tables
Ratio 104/121 - 7569

Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6160DC ~ 6185DA

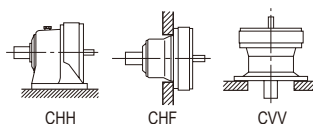
Input Speed	$n_1 = 1450$ r/min	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
		n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
		P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Frame Size	n_2 [r/min] Ratio [Z]	13.9	12.0	10.1	8.79	7.44	6.28	5.31	4.55	3.85	3.07	2.59	2.23	1.98	1.72
		104	121	143	165	195	231	273	319	377	473	559	649	731	841
6160DC	P_1 [kW]	2.85	2.45	2.07	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	1760	1760	1760	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	179	179	179	-	-	-	-	-	-	-	-	-	-	-
	Pro[N]	22100	22100	22100	-	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	2250	2250	2250	-	-	-	-	-	-	-	-	-	-	-
6165DA	P_1 [kW]	-	-	-	-	1.52	1.52	1.30	1.11	0.940	0.749	0.634	0.546	0.485	0.421
	T_{out} [N·m]	-	-	-	-	1750	2070	2100	2100	2100	2100	2100	2100	2100	2100
	T_{out} [kgf·m]	-	-	-	-	179	211	214	214	214	214	214	214	214	214
	Pro[N]	-	-	-	-	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100
	Pro[kgf]	-	-	-	-	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
6165DB	P_1 [kW]	3.18	2.93	2.48	2.15	1.82	1.53	1.30	-	-	-	-	-	-	-
	T_{out} [N·m]	1960	2100	2100	2100	2100	2100	2100	-	-	-	-	-	-	-
	T_{out} [kgf·m]	200	214	214	214	214	214	214	-	-	-	-	-	-	-
	Pro[N]	22100	22100	22100	22100	22100	22100	22100	-	-	-	-	-	-	-
	Pro[kgf]	2250	2250	2250	2250	2250	2250	2250	-	-	-	-	-	-	-
6165DC	P_1 [kW]	3.41	2.93	2.48	2.15	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	2100	2100	2100	2100	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	214	214	214	214	-	-	-	-	-	-	-	-	-	-
	Pro[N]	22100	22100	22100	22100	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	2250	2250	2250	2250	-	-	-	-	-	-	-	-	-	-
6170DA	P_1 [kW]	-	-	-	-	-	1.52	1.52	1.34	1.13	0.902	0.764	0.658	0.584	0.508
	T_{out} [N·m]	-	-	-	-	-	2070	2450	2530	2530	2530	2530	2530	2530	2530
	T_{out} [kgf·m]	-	-	-	-	-	211	250	258	258	258	258	258	258	258
	Pro[N]	-	-	-	-	-	29500	29500	29500	29500	29500	29500	29500	29500	29500
	Pro[kgf]	-	-	-	-	-	3010	3010	3010	3010	3010	3010	3010	3010	3010
6170DB	P_1 [kW]	-	3.18	2.98	2.59	2.19	1.85	1.56	1.34	-	-	-	-	-	-
	T_{out} [N·m]	-	2280	2530	2530	2530	2530	2530	2530	-	-	-	-	-	-
	T_{out} [kgf·m]	-	233	258	258	258	258	258	258	-	-	-	-	-	-
	Pro[N]	-	29500	29500	29500	29500	29500	29500	29500	-	-	-	-	-	-
	Pro[kgf]	-	3010	3010	3010	3010	3010	3010	3010	-	-	-	-	-	-
6170DC	P_1 [kW]	4.10	3.53	2.98	2.59	2.19	1.85	-	-	-	-	-	-	-	-
	T_{out} [N·m]	2530	2530	2530	2530	2530	2530	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	258	258	258	258	258	258	-	-	-	-	-	-	-	-
	Pro[N]	29500	29500	29500	29500	29500	29500	-	-	-	-	-	-	-	-
	Pro[kgf]	3010	3010	3010	3010	3010	3010	-	-	-	-	-	-	-	-
6175DA	P_1 [kW]	-	-	-	-	-	-	1.52	1.52	1.41	1.12	0.951	0.819	0.727	0.632
	T_{out} [N·m]	-	-	-	-	-	-	2450	2860	3150	3150	3150	3150	3150	3150
	T_{out} [kgf·m]	-	-	-	-	-	-	250	292	321	321	321	321	321	321
	Pro[N]	-	-	-	-	-	-	29500	29500	29500	29500	29500	29500	29500	29500
	Pro[kgf]	-	-	-	-	-	-	3010	3010	3010	3010	3010	3010	3010	3010
6175DB	P_1 [kW]	-	-	3.18	3.18	2.73	2.30	1.95	1.67	1.41	-	-	-	-	-
	T_{out} [N·m]	-	-	2700	3110	3150	3150	3150	3150	3150	-	-	-	-	-
	T_{out} [kgf·m]	-	-	276	317	321	321	321	321	321	-	-	-	-	-
	Pro[N]	-	-	29500	29500	29500	29500	29500	29500	29500	-	-	-	-	-
	Pro[kgf]	-	-	3010	3010	3010	3010	3010	3010	3010	-	-	-	-	-
6175DC	P_1 [kW]	5.11	4.39	3.72	3.22	2.73	2.30	1.95	-	-	-	-	-	-	-
	T_{out} [N·m]	3150	3150	3150	3150	3150	3150	3150	-	-	-	-	-	-	-
	T_{out} [kgf·m]	321	321	321	321	321	321	321	-	-	-	-	-	-	-
	Pro[N]	29500	29500	29500	29500	29500	29500	29500	-	-	-	-	-	-	-
	Pro[kgf]	3010	3010	3010	3010	3010	3010	3010	-	-	-	-	-	-	-
6180DA	P_1 [kW]	-	-	-	3.18	3.18	2.96	2.50	2.14	1.81	1.45	1.22	1.05	0.937	0.813
	T_{out} [N·m]	-	-	-	3110	3680	4050	4050	4050	4050	4060	4060	4050	4060	4050
	T_{out} [kgf·m]	-	-	-	317	376	413	413	413	413	414	414	413	414	413
	Pro[N]	-	-	-	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700
	Pro[kgf]	-	-	-	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250
6180DB	P_1 [kW]	6.59	5.66	4.79	4.15	3.51	2.96	2.50	2.14	-	-	-	-	-	-
	T_{out} [N·m]	4060	4060	4060	4060	4060	4050	4050	4050	-	-	-	-	-	-
	T_{out} [kgf·m]	414	414	414	414	414	413	413	413	-	-	-	-	-	-
	Pro[N]	40200	41700	41700	41700	41700	41700	41700	41700	-	-	-	-	-	-
	Pro[kgf]	4100	4250	4250	4250	4250	4250	4250	4250	-	-	-	-	-	-
6185DA	P_1 [kW]	-	-	-	-	-	3.18	3.09	2.64	2.24	1.78	1.51	1.30	1.15	1.00
	T_{out} [N·m]	-	-	-	-	-	4350	5000	5000	5000	5000	5000	5000	5000	5000
	T_{out} [kgf·m]	-	-	-	-	-	444	510	510	510	510	510	510	510	510
	Pro[N]	-	-	-	-	-	41700	41700	41700	41700	41700	41700	41600	41700	41700
	Pro[kgf]	-	-	-	-	-	4250	4250	4250	4250	4250	4250	4240	4250	4250
Frame Size	Ratio [Z]	104	121	143	165	195	231	273	319	377	473	559	649	731	841
	n_2 [r/min]	13.9	12.0	10.1	8.79	7.44	6.28	5.31	4.55	3.85	3.07	2.59	2.23	1.98	1.72

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1450 \text{ r/min}$

1.45	1.16	0.980	0.784	0.702	0.572	0.476	0.417	0.327	0.282	0.235	0.192	n_2 [r/min]	Page of Dim.	Frame Size
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6160DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.400	0.400	0.400	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	P_1 [kW]	CHH C-74	6165DA
2100	2100	2050	2100	2100	2100	2050	2100	2050	2050	2050	2050	T_{OUT} [N•m]	CHF C-79	
214	214	209	214	214	214	209	214	209	209	209	209	T_{OUT} [kgf•m]	CW C-86	
22100	22100	21800	22100	22100	22100	21800	22100	21800	21800	21800	21800	Pro[N]		
2250	2250	2220	2250	2250	2250	2220	2250	2220	2220	2220	2220	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74	6165DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-86	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6165DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.426	0.400	0.400	0.400	0.207	0.200	0.200	0.200	0.200	0.200	0.200	0.200	P_1 [kW]	CHH C-74	6170DA
2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	T_{OUT} [N•m]	CHF C-79	
258	258	258	258	258	258	258	258	258	258	258	258	T_{OUT} [kgf•m]	CW C-86	
29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	Pro[N]		
3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74	6170DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-86	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6170DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.530	0.426	0.400	0.400	0.400	0.209	0.200	0.200	0.200	0.200	0.200	0.200	P_1 [kW]	CHH C-74	6175DA
3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	T_{OUT} [N•m]	CHF C-79	
321	321	321	321	321	321	321	321	321	321	321	321	T_{OUT} [kgf•m]	CW C-86	
29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	Pro[N]		
3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74	6175DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-86	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6175DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.750	0.750	0.463	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	P_1 [kW]	CHH C-74	6180DA
4050	4060	4060	4060	4050	4050	4060	4050	4060	4060	4060	4060	T_{OUT} [N•m]	CHF C-79	
413	414	414	414	413	413	414	413	414	414	414	414	T_{OUT} [kgf•m]	CW C-86	
41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	Pro[N]		
4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6180DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.841	0.750	0.750	0.750	0.408	0.400	0.400	0.400	0.400	0.400	0.400	0.400	P_1 [kW]	CHH C-74	6185DA
5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	T_{OUT} [N•m]	CHF C-79	
510	510	510	510	510	510	510	510	510	510	510	510	T_{OUT} [kgf•m]	CW C-86	
41600	41700	41700	41700	41600	41600	41700	41600	41700	41700	41700	41700	Pro[N]		
4240	4250	4250	4250	4240	4240	4250	4240	4250	4250	4250	4250	Pro[kgf]		
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]	Page of Dim.	Frame Size
1.45	1.16	0.980	0.784	0.702	0.572	0.476	0.417	0.327	0.282	0.235	0.192	n_2 [r/min]		

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

REDUCERS

Selection Tables
Ratio 104/121 - 7569

Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6185DB ~ 6235DB

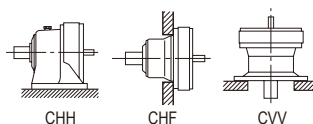
Input Speed	$n_1 = 1450$ r/min	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
		n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
		P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Frame Size	n_2 [r/min] Ratio [Z]	13.9	12.0	10.1	8.79	7.44	6.28	5.31	4.55	3.85	3.07	2.59	2.23	1.98	1.72
		104	121	143	165	195	231	273	319	377	473	559	649	731	841
6185DB	P_1 [kW]	7.95	6.70	5.78	5.03	4.26	3.65	3.09	2.64	2.24	-	-	-	-	-
	T_{out} [N·m]	4900	4810	4900	4920	4920	5000	5000	5000	5000	-	-	-	-	-
	T_{out} [kgf·m]	500	490	500	502	502	510	510	510	510	-	-	-	-	-
	Pro[N]	39900	41700	41700	41700	41700	41700	41700	41700	41700	-	-	-	-	-
	Pro[kgf]	4060	4250	4250	4250	4250	4250	4250	4250	4250	-	-	-	-	-
6190DA	P_1 [kW]	-	-	5.92	5.92	5.52	4.66	3.94	3.37	2.85	2.28	1.93	1.66	1.47	1.28
	T_{out} [N·m]	-	-	5020	5020	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380
	T_{out} [kgf·m]	-	-	512	591	650	650	650	650	650	650	650	650	650	650
	Pro[N]	-	-	59000	59000	58900	59000	59000	59000	59000	59000	59000	58600	59000	59000
	Pro[kgf]	-	-	6010	6010	6000	6010	6010	6010	6010	6010	6010	5970	6010	6010
6190DB	P_1 [kW]	10.3	8.90	7.53	6.52	5.52	4.66	-	-	-	-	-	-	-	-
	T_{out} [N·m]	6380	6380	6380	6380	6380	6380	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	650	650	650	650	650	650	-	-	-	-	-	-	-	-
	Pro[N]	55800	59000	58700	58900	58900	59000	-	-	-	-	-	-	-	-
	Pro[kgf]	5690	6010	5980	6000	6000	6010	-	-	-	-	-	-	-	-
6195DA	P_1 [kW]	-	-	-	-	5.63	5.81	4.92	4.21	3.56	2.84	2.40	2.07	1.84	1.60
	T_{out} [N·m]	-	-	-	-	6500	7960	7960	7960	7960	7960	7960	7960	7960	7960
	T_{out} [kgf·m]	-	-	-	-	663	811	811	811	811	811	811	811	811	811
	Pro[N]	-	-	-	-	58800	59000	59000	59000	59000	59000	59000	58100	59000	59000
	Pro[kgf]	-	-	-	-	6000	6010	6010	6010	6010	6010	6010	5930	6010	6010
6195DB	P_1 [kW]	11.3	10.6	9.00	8.09	6.84	5.81	4.92	-	-	-	-	-	-	-
	T_{out} [N·m]	6970	7580	7630	7910	7910	7960	7960	-	-	-	-	-	-	-
	T_{out} [kgf·m]	711	773	778	806	806	811	811	-	-	-	-	-	-	-
	Pro[N]	55400	59000	58200	58300	58300	59000	59000	-	-	-	-	-	-	-
	Pro[kgf]	5650	6010	5940	5940	5940	6010	6010	-	-	-	-	-	-	-
6205DA	P_1 [kW]	-	-	-	-	-	5.17	4.27	3.83	2.95	2.64	2.20	2.20	2.20	2.20
	T_{out} [N·m]	-	-	-	-	-	8370	8080	8550	8280	8760	8300	9300	9230	9230
	T_{out} [kgf·m]	-	-	-	-	-	853	823	872	844	893	846	948	941	941
	Pro[N]	-	-	-	-	-	84100	84100	84100	84100	84100	84100	84100	84100	84100
	Pro[kgf]	-	-	-	-	-	8570	8570	8570	8570	8570	8570	8570	8570	8570
6205DB	P_1 [kW]	-	11.3	-	9.48	8.02	6.77	5.73	4.88	4.13	3.32	2.81	2.42	2.20	-
	T_{out} [N·m]	-	8110	-	9270	9270	9270	9270	9230	9230	9300	9300	9300	9300	-
	T_{out} [kgf·m]	-	828	-	945	945	945	945	941	941	948	948	948	948	-
	Pro[N]	-	84100	-	84100	84100	84100	84100	84100	84100	84100	84100	84100	84100	-
	Pro[kgf]	-	8570	-	8570	8570	8570	8570	8570	8570	8570	8570	8570	8570	-
6215DA	P_1 [kW]	-	-	-	11.3	10.2	9.13	7.72	6.69	5.66	4.51	3.82	3.29	2.92	2.54
	T_{out} [N·m]	-	-	-	11100	11800	12500	12500	12700	12700	12700	12700	12700	12700	12700
	T_{out} [kgf·m]	-	-	-	1130	1200	1270	1270	1290	1290	1290	1290	1290	1290	1290
	Pro[N]	-	-	-	104000	104000	104000	104000	104000	104000	104000	104000	104000	104000	104000
	Pro[kgf]	-	-	-	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600
6215DB	P_1 [kW]	-	15.9	-	12.4	10.5	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	-	11400	-	12200	12200	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	-	1160	-	1240	1240	-	-	-	-	-	-	-	-	-
	Pro[N]	-	104000	-	104000	104000	-	-	-	-	-	-	-	-	-
	Pro[kgf]	-	10600	-	10600	10600	-	-	-	-	-	-	-	-	-
6225DA	P_1 [kW]	-	-	-	-	10.2	10.8	9.15	7.95	6.73	5.71	4.83	4.13	3.69	3.02
	T_{out} [N·m]	-	-	-	-	11800	14800	14800	15000	15000	16000	16000	15900	16000	15000
	T_{out} [kgf·m]	-	-	-	-	1200	1510	1510	1530	1530	1630	1630	1620	1630	1530
	Pro[N]	-	-	-	-	129000	137000	145000	145000	145000	145000	145000	145000	145000	145000
	Pro[kgf]	-	-	-	-	13200	14000	14700	14800	14800	14800	14800	14800	14800	14800
6225DB	P_1 [kW]	-	18.8	-	14.8	12.5	10.8	-	-	-	-	-	-	-	-
	T_{out} [N·m]	-	13500	-	14500	14500	14800	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	-	1370	-	1480	1480	1510	-	-	-	-	-	-	-	-
	Pro[N]	-	113000	-	122000	129000	137000	-	-	-	-	-	-	-	-
	Pro[kgf]	-	11500	-	12500	13100	14000	-	-	-	-	-	-	-	-
6235DA	P_1 [kW]	-	24.1	-	20.0	17.0	13.8	11.7	10.00	8.46	7.31	6.19	5.33	4.73	3.79
	T_{out} [N·m]	-	17200	-	19600	19600	18900	18900	18900	18900	20500	20500	20500	20500	18900
	T_{out} [kgf·m]	-	1760	-	2000	2000	1930	1930	1930	1930	2090	2090	2090	2090	1930
	Pro[N]	-	141000	-	151000	159000	171000	179000	179000	179000	179000	179000	179000	179000	179000
	Pro[kgf]	-	14300	-	15400	16200	17400	18200	18200	18200	18200	18200	18200	18200	18200
6235DB	P_1 [kW]	-	26.1	-	20.0	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	-	18700	-	19600	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	-	1910	-	2000	-	-	-	-	-	-	-	-	-	-
	Pro[N]	-	141000	-	151000	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	-	14300	-	15400	-	-	-	-	-	-	-	-	-	-
Frame Size	Ratio [Z]	104	121	143	165	195	231	273	319	377	473	559	649	731	841
	n_2 [r/min]	13.9	12.0	10.1	8.79	7.44	6.28	5.31	4.55	3.85	3.07	2.59	2.23	1.98	1.72

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1450$ r/min

1.45	1.16	0.980	0.784	0.702	0.572	0.476	0.417	0.327	0.282	0.235	0.192	n_2 [r/min]	Page of Dim.	Frame Size
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6185DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
1.07	0.863	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	P_1 [kW]	CHH C-75	6190DA
6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	T_{OUT} [N•m]	CHF C-80	
650	650	650	650	650	650	650	650	650	650	650	650	T_{OUT} [kgf•m]	CVW C-87	
58600	59000	58900	59000	58600	58600	58900	58600	58900	58900	58900	58900	Pro[N]		
5970	6010	6000	6010	5970	5970	6000	5970	6000	6000	6000	6000	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6190DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
1.34	1.08	0.908	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	P_1 [kW]	CHH C-75	6195DA
7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	T_{OUT} [N•m]	CHF C-80	
811	811	811	811	811	811	811	811	811	811	811	811	T_{OUT} [kgf•m]	CVW C-87	
58100	59000	58400	59000	58100	58100	58400	58100	58400	58400	58400	58400	Pro[N]		
5930	6010	5950	6010	5930	5930	5950	5930	5950	5950	5950	5950	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6195DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
2.20	1.50	1.50	1.50	1.50	0.750	0.750	0.750	0.750	0.750	0.750	0.750	P_1 [kW]	CHH C-75	6205DA
9300	9300	8760	9300	9300	9300	8760	9300	8760	9300	8760	8760	T_{OUT} [N•m]	CHF C-80	
948	948	893	948	948	948	893	948	893	948	893	893	T_{OUT} [kgf•m]	CVW C-87	
84100	84100	84100	84100	84100	84100	84100	84100	84100	84100	84100	84100	Pro[N]		
8570	8570	8570	8570	8570	8570	8570	8570	8570	8570	8570	8570	Pro[kgf]		
2.20	-	1.50	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6205DB
9300	-	8760	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
948	-	893	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
84100	-	84100	-	-	-	-	-	-	-	-	-	Pro[N]		
8570	-	8570	-	-	-	-	-	-	-	-	-	Pro[kgf]		
2.20	2.20	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	P_1 [kW]	CHH C-75	6215DA
12700	12700	11300	12700	12700	12700	11300	12700	11300	12700	11300	11300	T_{OUT} [N•m]	CHF C-80	
1290	1290	1150	1290	1290	1290	1150	1290	1150	1290	1150	1150	T_{OUT} [kgf•m]	CVW C-87	
104000	104000	104000	104000	104000	104000	104000	104000	104000	104000	104000	104000	Pro[N]		
10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6215DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
2.67	2.20	2.20	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	P_1 [kW]	CHH C-75	6225DA
15900	16000	15100	16000	15900	15900	15100	15900	15100	15900	15100	15100	T_{OUT} [N•m]	CHF C-80	
1620	1630	1540	1630	1620	1620	1540	1620	1540	1620	1540	1540	T_{OUT} [kgf•m]	CVW C-87	
145000	145000	145000	145000	145000	145000	145000	145000	145000	145000	145000	145000	Pro[N]		
14800	14800	14800	14800	14800	14800	14800	14800	14800	14800	14800	14800	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6225DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
3.45	2.77	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	P_1 [kW]	CHH C-75	6235DA
20500	20500	17200	20500	20500	20500	17200	20500	17200	20500	17200	17200	T_{OUT} [N•m]	CHF C-80	
2090	2090	1750	2090	2090	2090	1750	2090	1750	2090	1750	1750	T_{OUT} [kgf•m]	CVW C-87	
179000	179000	179000	179000	179000	179000	179000	179000	179000	179000	179000	179000	Pro[N]		
18200	18200	18200	18200	18200	18200	18200	18200	18200	18200	18200	18200	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6235DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]	Page of Dim.	Frame Size
1.45	1.16	0.980	0.784	0.702	0.572	0.476	0.417	0.327	0.282	0.235	0.192	n_2 [r/min]		

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

REDUCERS

Selection Tables
Ratio 104/121 - 7569

Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6245DA ~ 6275DA

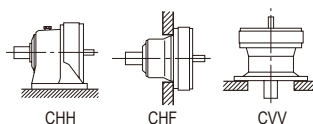
Input Speed	$n_1 = 1450$ r/min	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
		n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
		P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Frame Size	n_2 [r/min] Ratio [Z]	13.9 104	12.0 121	10.1 143	8.79 165	7.44 195	6.28 231	5.31 273	4.55 319	3.85 377	3.07 473	2.59 559	2.23 649	1.98 731	1.72 841
6245DA	P_1 [kW]	-	-	-	24.1	22.6	18.8	15.9	13.6	11.5	9.20	7.79	6.71	5.95	5.18
	T_{out} [N·m]	-	-	-	23500	26100	25800	25800	25800	25800	25800	25800	25800	25800	25800
	T_{out} [kgf·m]	-	-	-	2400	2660	2630	2630	2630	2630	2630	2630	2630	2630	2630
	Pro[N]	-	-	-	168000	177000	189000	199000	208000	208000	208000	208000	208000	208000	208000
	Pro[kgf]	-	-	-	17100	18000	19300	20300	21200	21200	21200	21200	21200	21200	21200
6245DB	P_1 [kW]	-	28.6	-	26.8	22.7	18.8	-	-	-	-	-	-	-	-
	T_{out} [N·m]	-	20500	-	26200	26200	25800	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	-	2090	-	2680	2680	2630	-	-	-	-	-	-	-	-
	Pro[N]	-	156000	-	168000	177000	189000	-	-	-	-	-	-	-	-
	Pro[kgf]	-	15900	-	17100	18000	19300	-	-	-	-	-	-	-	-
6255DA	P_1 [kW]	-	30.1	-	30.1	27.0	22.6	19.2	17.2	14.5	12.3	10.4	8.97	7.96	6.51
	T_{out} [N·m]	-	21600	-	29500	31200	31000	31000	32500	32500	34500	34500	34500	34500	32500
	T_{out} [kgf·m]	-	2200	-	3010	3180	3160	3160	3310	3310	3520	3520	3520	3520	3310
	Pro[N]	-	192000	-	206000	216000	231000	243000	255000	258000	258000	258000	258000	258000	258000
	Pro[kgf]	-	19600	-	21000	22100	23500	24700	26000	26300	26300	26300	26300	26300	26300
6255DB	P_1 [kW]	-	38.3	-	31.9	27.0	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	-	27500	-	31200	31200	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	-	2800	-	3180	3180	-	-	-	-	-	-	-	-	-
	Pro[N]	-	191000	-	206000	216000	-	-	-	-	-	-	-	-	-
	Pro[kgf]	-	19500	-	21000	22100	-	-	-	-	-	-	-	-	-
6265DA	P_1 [kW]	-	43.7	-	44.7	37.8	33.6	28.4	24.3	20.6	16.4	13.9	12.0	10.6	9.23
	T_{out} [N·m]	-	31300	-	43700	43700	46000	46000	46000	46000	46000	46000	46000	46000	46000
	T_{out} [kgf·m]	-	3190	-	4460	4460	4690	4690	4690	4690	4690	4690	4690	4690	4690
	Pro[N]	-	234000	-	250000	263000	276000	276000	276000	276000	276000	276000	276000	276000	276000
	Pro[kgf]	-	23800	-	25500	26800	28100	28100	28100	28100	28100	28100	28100	28100	28100
6275DA	P_1 [kW]	-	-	-	-	-	-	-	36.1	30.5	24.3	20.6	17.7	15.7	13.7
	T_{out} [N·m]	-	-	-	-	-	-	-	68200	68200	68200	68200	68200	68200	68200
	T_{out} [kgf·m]	-	-	-	-	-	-	-	6950	6950	6950	6950	6950	6950	6950
	Pro[N]	-	-	-	-	-	-	-	248000	248000	248000	248000	248000	248000	248000
	Pro[kgf]	-	-	-	-	-	-	-	25300	25300	25300	25300	25300	25300	25300
Frame Size	Ratio [Z]	104	121	143	165	195	231	273	319	377	473	559	649	731	841
	n_2 [r/min]	13.9	12.0	10.1	8.79	7.44	6.28	5.31	4.55	3.85	3.07	2.59	2.23	1.98	1.72

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1450$ r/min

1.45	1.16	0.980	0.784	0.702	0.572	0.476	0.417	0.327	0.282	0.235	0.192	n_2 [r/min]	Page of Dim.	Frame Size
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]		
4.34	3.49	2.58	2.35	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	P_1 [kW]	CHH C-75	6245DA
25800	25800	22600	25800	25800	25800	22600	25800	22600	25800	22600	22600	T_{OUT} [N•m]	CHF C-80	
2630	2630	2310	2630	2630	2630	2310	2630	2310	2630	2310	2310	T_{OUT} [kgf•m]	CW C-87	
208000	208000	208000	208000	208000	208000	208000	208000	208000	208000	208000	208000	Pro[N]		
21200	21200	21200	21200	21200	21200	21200	21200	21200	21200	21200	21200	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6245DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
5.80	4.67	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	P_1 [kW]	CHH C-75	6255DA
34500	34500	31000	34500	34500	34500	31000	34500	31000	34500	31000	31000	T_{OUT} [N•m]	CHF C-80	
3520	3520	3160	3520	3520	3520	3160	3520	3160	3520	3160	3160	T_{OUT} [kgf•m]	CW C-87	
258000	258000	258000	258000	258000	258000	258000	258000	258000	258000	258000	258000	Pro[N]		
26300	26300	26300	26300	26300	26300	26300	26300	26300	26300	26300	26300	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6255DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
7.74	6.22	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	P_1 [kW]	CHH C-75	6265DA
46000	46000	44000	46000	46000	46000	44000	46000	44000	46000	44000	44000	T_{OUT} [N•m]	CHF C-80	
4690	4690	4490	4690	4690	4690	4490	4690	4490	4690	4490	4490	T_{OUT} [kgf•m]	CW C-87	
276000	276000	276000	276000	276000	276000	276000	276000	276000	276000	276000	276000	Pro[N]		
28100	28100	28100	28100	28100	28100	28100	28100	28100	28100	28100	28100	Pro[kgf]		
11.5	9.23	7.78	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	P_1 [kW]	CHH C-75	6275DA
68200	68200	68200	68200	68200	68200	68200	68200	68200	68200	68200	68200	T_{OUT} [N•m]	CHF C-80	
6950	6950	6950	6950	6950	6950	6950	6950	6950	6950	6950	6950	T_{OUT} [kgf•m]	CW C-87	
248000	248000	245000	248000	248000	248000	245000	248000	245000	248000	245000	245000	Pro[N]		
25300	25300	25000	25300	25300	25300	25000	25300	25000	25300	25000	25000	Pro[kgf]		
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]	Page of Dim.	Frame Size
1.45	1.16	0.980	0.784	0.702	0.572	0.476	0.417	0.327	0.282	0.235	0.192	n_2 [r/min]		

REDUCERS

Selection Tables
Ratio 104,121 - 7569

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6060DA ~ 6130DA

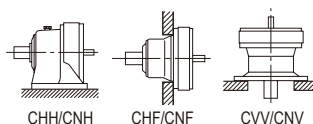
Input Speed	$n_1 = 1750$ r/min	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
		n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
		P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Frame Size	n_2 [r/min] Ratio [Z]	16.8 104	14.5 121	12.2 143	10.6 165	8.97 195	7.58 231	6.41 273	5.49 319	4.64 377	3.70 473	3.13 559	2.70 649	2.39 731	2.08 841
6060DA	P_1 [kW]	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	0.100	0.100
	T_{out} [N·m]	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	-	24.0	24.0
	T_{out} [kgf·m]	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	-	2.45	2.45
	Pro[N]	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	1180	1180
	Pro[kgf]	120	120	120	120	120	120	120	120	120	120	120	-	120	120
6065DA	P_1 [kW]	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	0.100	0.100
	T_{out} [N·m]	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	-	30.0	30.0
	T_{out} [kgf·m]	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	3.06	-	3.06	3.06
	Pro[N]	1180	1140	1180	1180	1180	1180	1180	1180	1180	1180	1180	-	1180	1180
	Pro[kgf]	120	116	120	120	120	120	120	120	120	120	120	-	120	120
6070DA	P_1 [kW]	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
	T_{out} [N·m]	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
	T_{out} [kgf·m]	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59
	Pro[N]	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770	1770
	Pro[kgf]	180	180	180	180	180	180	180	180	180	180	180	180	180	180
6075DA	P_1 [kW]	0.117	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
	T_{out} [N·m]	60.0	50.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	57.4	60.0	60.0
	T_{out} [kgf·m]	6.12	5.18	6.12	6.12	6.12	6.12	6.12	6.12	6.12	6.12	6.12	5.85	6.12	6.12
	Pro[N]	1770	1770	1770	1770	1770	1770	1770	1770	1770	1660	1660	1580	1660	1770
	Pro[kgf]	180	180	180	180	180	180	180	180	180	169	169	161	169	180
6090DA	P_1 [kW]	0.294	0.252	0.214	0.185	0.157	0.132	0.112	0.100	0.100	0.100	0.100	0.100	0.100	0.100
	T_{out} [N·m]	150	150	150	150	150	150	150	150	150	150	150	146	150	150
	T_{out} [kgf·m]	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	14.9	15.3	15.3
	Pro[N]	3340	3340	3340	3340	3340	3340	3340	3290	3290	3310	3310	3300	3310	3290
	Pro[kgf]	340	340	340	340	340	340	340	336	336	338	338	336	338	336
6095DA	P_1 [kW]	0.354	0.270	0.261	0.247	0.209	0.176	0.149	0.128	0.108	0.100	0.100	-	0.100	0.100
	T_{out} [N·m]	181	160	183	200	200	200	200	200	200	200	200	-	200	200
	T_{out} [kgf·m]	18.4	16.4	18.7	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	-	20.4	20.4
	Pro[N]	3340	3340	3340	3340	3340	3340	3340	3200	3200	3220	3220	-	3220	3200
	Pro[kgf]	340	340	340	340	340	340	340	326	326	328	328	-	328	326
6100DA	P_1 [kW]	0.407	0.407	0.356	0.308	0.261	0.220	0.186	0.160	0.135	0.108	0.100	0.100	0.100	0.100
	T_{out} [N·m]	208	242	250	250	250	250	250	250	250	250	250	250	250	250
	T_{out} [kgf·m]	21.2	24.7	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
	Pro[N]	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400
	Pro[kgf]	550	550	550	550	550	550	550	550	550	550	550	550	550	550
6105DA	P_1 [kW]	0.407	0.407	0.407	0.370	0.313	0.264	0.224	0.191	0.162	0.129	0.109	0.100	0.100	0.100
	T_{out} [N·m]	208	242	286	300	300	300	300	300	300	300	300	296	300	300
	T_{out} [kgf·m]	21.2	24.7	29.2	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.2	30.6	30.6
	Pro[N]	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	5090	5400	5400
	Pro[kgf]	550	550	550	550	550	550	550	550	550	550	550	519	550	550
6120DA	P_1 [kW]	-	-	0.407	0.407	0.407	0.407	0.389	0.332	0.281	0.226	0.191	0.165	0.146	0.126
	T_{out} [N·m]	-	-	286	330	390	462	522	520	520	525	525	525	525	520
	T_{out} [kgf·m]	-	-	29.2	33.7	39.8	47.1	53.2	53.0	53.0	53.5	53.5	53.5	53.5	53.0
	Pro[N]	-	-	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810	9810
	Pro[kgf]	-	-	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
6120DB	P_1 [kW]	1.03	0.883	0.748	0.648	0.548	0.460	-	-	-	-	-	-	-	-
	T_{out} [N·m]	525	525	525	525	525	522	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	53.5	53.5	53.5	53.5	53.5	53.2	-	-	-	-	-	-	-	-
	Pro[N]	9810	9810	9810	9810	9810	9810	-	-	-	-	-	-	-	-
	Pro[kgf]	1000	1000	1000	1000	1000	1000	-	-	-	-	-	-	-	-
6125DA	P_1 [kW]	-	-	-	-	-	0.407	0.407	0.402	0.340	0.271	0.229	0.198	0.175	0.153
	T_{out} [N·m]	-	-	-	-	-	462	546	630	630	630	630	630	630	630
	T_{out} [kgf·m]	-	-	-	-	-	47.1	55.7	64.2	64.2	64.2	64.2	64.2	64.2	64.2
	Pro[N]	-	-	-	-	-	9810	9810	9810	9810	9810	9810	9810	9810	9810
	Pro[kgf]	-	-	-	-	-	1000	1000	1000	1000	1000	1000	1000	1000	1000
6125DB	P_1 [kW]	1.23	1.05	0.897	0.777	0.658	0.555	0.470	0.402	-	-	-	-	-	-
	T_{out} [N·m]	630	622	630	630	630	630	630	630	-	-	-	-	-	-
	T_{out} [kgf·m]	64.2	63.4	64.2	64.2	64.2	64.2	64.2	64.2	-	-	-	-	-	-
	Pro[N]	9810	9810	9810	9810	9810	9810	9810	9810	-	-	-	-	-	-
	Pro[kgf]	1000	1000	1000	1000	1000	1000	1000	1000	-	-	-	-	-	-
6130DA	P_1 [kW]	-	-	-	-	-	0.407	0.407	0.407	0.336	0.284	0.286	0.217	0.200	-
	T_{out} [N·m]	-	-	-	-	-	546	637	753	780	780	912	780	780	-
	T_{out} [kgf·m]	-	-	-	-	-	55.7	65.0	76.8	79.5	79.5	93.0	79.5	79.5	-
	Pro[N]	-	-	-	-	-	14700	14700	14700	14700	14700	14700	14700	14700	-
	Pro[kgf]	-	-	-	-	-	1500	1500	1500	1500	1500	1500	1500	1500	-
Frame Size	Ratio [Z]	104	121	143	165	195	231	273	319	377	473	559	649	731	841
	n_2 [r/min]	16.8	14.5	12.2	10.6	8.97	7.58	6.41	5.49	4.64	3.70	3.13	2.70	2.39	2.08

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer

Input Speed $n_1 = 1750$ r/min

1.74	1.40	1.18	0.946	0.847	0.690	0.575	0.503	0.394	0.341	0.283	0.231	n_2 [r/min]	Page of Dim.	Frame Size
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]		
-	0.100	-	0.100	-	-	-	-	-	-	-	-	P_1 [kW]	CNH C-73	6060DA
-	24.0	-	24.0	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CNF C-78	
-	2.45	-	2.45	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CNV C-85	
-	1180	-	1180	-	-	-	-	-	-	-	-	Pro[N]		
-	120	-	120	-	-	-	-	-	-	-	-	Pro[kgf]		
-	0.100	-	0.100	-	-	-	-	-	-	-	-	P_1 [kW]	CNH C-73	6065DA
-	30.0	-	30.0	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CNF C-78	
-	3.06	-	3.06	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CNV C-85	
-	1180	-	1180	-	-	-	-	-	-	-	-	Pro[N]		
-	120	-	120	-	-	-	-	-	-	-	-	Pro[kgf]		
0.100	0.100	-	0.100	0.100	0.100	-	-	-	-	-	-	P_1 [kW]	CNH C-73	6070DA
45.0	45.0	-	45.0	45.0	45.0	-	-	-	-	-	-	T_{OUT} [N•m]	CNF C-78	
4.59	4.59	-	4.59	4.59	4.59	-	-	-	-	-	-	T_{OUT} [kgf•m]	CNV C-85	
1770	1770	-	1770	1770	1770	-	-	-	-	-	-	Pro[N]		
180	180	-	180	180	180	-	-	-	-	-	-	Pro[kgf]		
0.100	0.100	-	0.100	0.100	0.100	-	-	-	-	-	-	P_1 [kW]	CNH C-73	6075DA
57.4	60.0	-	60.0	57.4	57.4	-	-	-	-	-	-	T_{OUT} [N•m]	CNF C-78	
5.85	6.12	-	6.12	5.85	5.85	-	-	-	-	-	-	T_{OUT} [kgf•m]	CNV C-85	
1580	1660	-	1660	1580	1580	-	-	-	-	-	-	Pro[N]		
161	169	-	169	161	161	-	-	-	-	-	-	Pro[kgf]		
0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6090DA
146	150	150	150	146	146	150	146	150	150	-	-	T_{OUT} [N•m]	CNF C-78	
14.9	15.3	15.3	15.3	14.9	14.9	15.3	14.9	15.3	15.3	-	-	T_{OUT} [kgf•m]	CNV C-85	
3300	3310	3310	3310	3300	3300	3310	3300	3310	3310	-	-	Pro[N]		
336	338	338	338	336	336	338	336	338	338	-	-	Pro[kgf]		
-	0.100	0.100	0.100	-	-	0.100	-	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6095DA
-	200	193	200	-	-	192	-	192	192	-	-	T_{OUT} [N•m]	CNF C-78	
-	20.4	19.6	20.4	-	-	19.6	-	19.6	19.6	-	-	T_{OUT} [kgf•m]	CNV C-85	
-	3220	3240	3220	-	-	3240	-	3240	3240	-	-	Pro[N]		
-	328	330	328	-	-	330	-	330	330	-	-	Pro[kgf]		
0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6100DA
250	250	250	250	250	250	250	250	250	250	-	-	T_{OUT} [N•m]	CNF C-78	
25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	-	-	T_{OUT} [kgf•m]	CNV C-85	
5400	5400	5400	5400	5400	5400	5400	5400	5400	5400	-	-	Pro[N]		
550	550	550	550	550	550	550	550	550	550	-	-	Pro[kgf]		
0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6105DA
296	300	300	300	296	296	300	296	300	300	-	-	T_{OUT} [N•m]	CNF C-78	
30.2	30.6	30.6	30.6	30.2	30.2	30.6	30.2	30.6	30.6	-	-	T_{OUT} [kgf•m]	CNV C-85	
5090	5400	4780	5400	5090	5090	4780	5090	4780	4780	-	-	Pro[N]		
519	550	488	550	519	519	488	519	488	488	-	-	Pro[kgf]		
0.107	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6120DA
525	525	525	525	525	525	525	525	525	525	-	-	T_{OUT} [N•m]	CNF C-78	
53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	-	-	T_{OUT} [kgf•m]	CNV C-85	
9810	9810	9780	9810	9810	9810	9780	9810	9780	9780	-	-	Pro[N]		
1000	1000	997	1000	1000	1000	997	1000	997	997	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	0.100	0.100	P_1 [kW]	CNH C-73	6120DB
-	-	-	-	-	-	-	-	-	-	525	525	T_{OUT} [N•m]	CNF C-78	
-	-	-	-	-	-	-	-	-	-	53.5	53.5	T_{OUT} [kgf•m]	CNV C-85	
-	-	-	-	-	-	-	-	-	-	9780	9780	Pro[N]		
-	-	-	-	-	-	-	-	-	-	997	997	Pro[kgf]		
0.128	0.103	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	-	-	P_1 [kW]	CNH C-73	6125DA
630	630	630	630	630	630	630	630	630	630	-	-	T_{OUT} [N•m]	CNF C-78	
64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	-	-	T_{OUT} [kgf•m]	CNV C-85	
9810	9810	9560	9810	9810	9810	9560	9810	9560	9560	-	-	Pro[N]		
1000	1000	974	1000	1000	1000	974	1000	974	974	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	0.100	0.100	P_1 [kW]	CNH C-73	6125DB
-	-	-	-	-	-	-	-	-	-	630	630	T_{OUT} [N•m]	CNF C-78	
-	-	-	-	-	-	-	-	-	-	64.2	64.2	T_{OUT} [kgf•m]	CNV C-85	
-	-	-	-	-	-	-	-	-	-	9560	9560	Pro[N]		
-	-	-	-	-	-	-	-	-	-	974	974	Pro[kgf]		
0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	-	-	P_1 [kW]	CHH C-74	6130DA
912	780	848	780	912	912	848	912	848	848	-	-	T_{OUT} [N•m]	CHF C-79	
93.0	79.5	86.5	79.5	93.0	93.0	86.5	93.0	86.5	86.5	-	-	T_{OUT} [kgf•m]	CVV C-86	
14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	-	-	Pro[N]		
1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	-	-	Pro[kgf]		
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]	Page of Dim.	Frame Size
1.74	1.40	1.18	0.946	0.847	0.690	0.575	0.503	0.394	0.341	0.283	0.231	n_2 [r/min]		

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6130DB ~ 6160DB

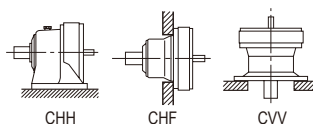
Input Speed	$n_1 = 1750$ r/min	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
		n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
		P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Frame Size	n_2 [r/min] Ratio [Z]	16.8 104	14.5 121	12.2 143	10.6 165	8.97 195	7.58 231	6.41 273	5.49 319	4.64 377	3.70 473	3.13 559	2.70 649	2.39 731	2.08 841
6130DB	P_1 [kW]	1.52	1.31	1.11	0.963	0.814	0.688	0.582	0.498	0.421	-	-	-	-	-
	T_{out} [N·m]	774	780	780	780	780	780	780	780	780	-	-	-	-	-
	T_{out} [kgf·m]	79.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	-	-	-	-	-
	Pro[N]	14700	14700	14700	14700	14700	14700	14700	14700	14700	-	-	-	-	-
	Pro[kgf]	1500	1500	1500	1500	1500	1500	1500	1500	1500	-	-	-	-	-
6130DC	P_1 [kW]	1.53	-	-	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	780	-	-	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	79.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pro[N]	14700	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	1500	-	-	-	-	-	-	-	-	-	-	-	-	-
6135DA	P_1 [kW]	-	-	-	-	-	-	-	0.407	0.407	0.405	0.342	0.329	0.262	0.228
	T_{out} [N·m]	-	-	-	-	-	-	-	637	753	940	940	1050	940	940
	T_{out} [kgf·m]	-	-	-	-	-	-	-	65.0	76.8	95.8	95.8	107	95.8	95.8
	Pro[N]	-	-	-	-	-	-	-	14700	14700	14700	14700	14700	14700	14700
	Pro[kgf]	-	-	-	-	-	-	-	1500	1500	1500	1500	1500	1500	1500
6135DB	P_1 [kW]	1.52	1.52	1.34	1.16	0.981	0.829	0.701	0.600	0.508	0.405	-	-	-	-
	T_{out} [N·m]	774	900	940	940	940	940	940	940	940	940	-	-	-	-
	T_{out} [kgf·m]	79.0	91.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	-	-	-	-
	Pro[N]	14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	-	-	-	-
	Pro[kgf]	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	-	-	-	-
6135DC	P_1 [kW]	1.84	1.58	-	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	940	940	-	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	95.8	95.8	-	-	-	-	-	-	-	-	-	-	-	-
	Pro[N]	14700	14700	-	-	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	1500	1500	-	-	-	-	-	-	-	-	-	-	-	-
6140DA	P_1 [kW]	-	-	-	-	-	-	-	-	0.407	0.407	0.407	0.384	0.341	0.286
	T_{out} [N·m]	-	-	-	-	-	-	-	-	753	945	1120	1230	1230	1180
	T_{out} [kgf·m]	-	-	-	-	-	-	-	-	76.8	96.3	114	125	125	120
	Pro[N]	-	-	-	-	-	-	-	-	16000	16000	16000	16000	16000	16000
	Pro[kgf]	-	-	-	-	-	-	-	-	1630	1630	1630	1630	1630	1630
6140DB	P_1 [kW]	1.52	1.52	1.52	1.51	1.28	1.08	0.914	0.782	0.662	0.527	0.446	-	-	-
	T_{out} [N·m]	774	900	1060	1230	1230	1230	1230	1230	1230	1230	1230	-	-	-
	T_{out} [kgf·m]	79.0	91.8	108	125	125	125	125	125	125	125	125	-	-	-
	Pro[N]	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	-	-	-
	Pro[kgf]	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	-	-	-
6140DC	P_1 [kW]	2.40	2.06	1.74	1.51	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	1230	1230	1230	1230	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	125	125	125	125	-	-	-	-	-	-	-	-	-	-
	Pro[N]	16000	16000	16000	16000	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	1630	1630	1630	1630	-	-	-	-	-	-	-	-	-	-
6145DA	P_1 [kW]	-	-	-	-	-	-	-	-	-	-	0.407	0.407	0.382	0.286
	T_{out} [N·m]	-	-	-	-	-	-	-	-	-	-	1120	1230	1370	1180
	T_{out} [kgf·m]	-	-	-	-	-	-	-	-	-	-	114	126	140	120
	Pro[N]	-	-	-	-	-	-	-	-	-	-	16000	16000	15700	16000
	Pro[kgf]	-	-	-	-	-	-	-	-	-	-	1630	1630	1600	1630
6145DB	P_1 [kW]	-	-	1.52	1.52	1.42	1.18	0.998	0.874	0.740	0.590	0.499	0.430	-	0.332
	T_{out} [N·m]	-	-	1060	1230	1360	1340	1340	1370	1370	1370	1370	1370	-	1370
	T_{out} [kgf·m]	-	-	108	125	138	136	136	140	140	140	140	140	-	140
	Pro[N]	-	-	16000	16000	16000	16000	16000	15800	15800	15700	15700	16000	-	15800
	Pro[kgf]	-	-	1630	1630	1630	1630	1630	1610	1610	1600	1600	1630	-	1610
6145DC	P_1 [kW]	2.68	2.17	1.95	1.68	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	1370	1290	1370	1360	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	140	132	140	138	-	-	-	-	-	-	-	-	-	-
	Pro[N]	15900	16000	15900	16000	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	1620	1630	1620	1630	-	-	-	-	-	-	-	-	-	-
6160DA	P_1 [kW]	-	-	-	1.52	1.52	1.52	1.31	1.12	0.948	0.747	0.632	0.551	0.483	0.425
	T_{out} [N·m]	-	-	-	1230	1450	1720	1760	1760	1760	1740	1740	1760	1740	1760
	T_{out} [kgf·m]	-	-	-	125	148	176	179	179	179	177	177	179	177	179
	Pro[N]	-	-	-	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100
	Pro[kgf]	-	-	-	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
6160DB	P_1 [kW]	3.18	2.95	2.50	2.17	1.83	1.55	-	-	-	-	-	-	-	-
	T_{out} [N·m]	1620	1760	1760	1760	1760	1760	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	165	179	179	179	179	179	-	-	-	-	-	-	-	-
	Pro[N]	22100	22100	22100	22100	22100	22100	-	-	-	-	-	-	-	-
	Pro[kgf]	2250	2250	2250	2250	2250	2250	-	-	-	-	-	-	-	-
Frame Size	Ratio [Z]	104	121	143	165	195	231	273	319	377	473	559	649	731	841
	n_2 [r/min]	16.8	14.5	12.2	10.6	8.97	7.58	6.41	5.49	4.64	3.70	3.13	2.70	2.39	2.08

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1750$ r/min

1.74	1.40	1.18	0.946	0.847	0.690	0.575	0.503	0.394	0.341	0.283	0.231	n_2 [r/min]	Page of Dim.	Frame Size
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]		
-	-	-	-	-	-	-	-	-	-	0.200	0.200	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6130DB
-	-	-	-	-	-	-	-	-	-	848	848	T_{OUT} [N•m]		
-	-	-	-	-	-	-	-	-	-	86.5	86.5	T_{OUT} [kgf•m]		
-	-	-	-	-	-	-	-	-	-	14700	14700	Pro[N]		
-	-	-	-	-	-	-	-	-	-	1500	1500	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6130DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]		
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.213	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	-	-	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6135DA
1050	940	979	940	1050	1050	979	1050	979	979	-	-	T_{OUT} [N•m]		
107	95.8	99.8	95.8	107	107	99.8	107	99.8	99.8	-	-	T_{OUT} [kgf•m]		
14700	14700	14700	14700	14700	14700	14700	14700	14700	14700	-	-	Pro[N]		
1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	0.200	0.200	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6135DB
-	-	-	-	-	-	-	-	-	-	979	979	T_{OUT} [N•m]		
-	-	-	-	-	-	-	-	-	-	99.8	99.8	T_{OUT} [kgf•m]		
-	-	-	-	-	-	-	-	-	-	14700	14700	Pro[N]		
-	-	-	-	-	-	-	-	-	-	1500	1500	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6135DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]		
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.249	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	-	-	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6140DA
1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	-	-	T_{OUT} [N•m]		
125	125	125	125	125	125	125	125	125	125	-	-	T_{OUT} [kgf•m]		
16000	16000	16000	16000	16000	16000	16000	16000	16000	16000	-	-	Pro[N]		
1630	1630	1630	1630	1630	1630	1630	1630	1630	1630	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	0.200	0.200	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6140DB
-	-	-	-	-	-	-	-	-	-	1230	1230	T_{OUT} [N•m]		
-	-	-	-	-	-	-	-	-	-	125	125	T_{OUT} [kgf•m]		
-	-	-	-	-	-	-	-	-	-	16000	16000	Pro[N]		
-	-	-	-	-	-	-	-	-	-	1630	1630	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6140DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]		
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.278	0.224	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	-	-	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6145DA
1370	1370	1250	1370	1370	1370	1250	1370	1250	1250	-	-	T_{OUT} [N•m]		
140	140	127	140	140	140	127	140	127	127	-	-	T_{OUT} [kgf•m]		
16000	15700	16000	15700	16000	16000	16000	16000	16000	16000	-	-	Pro[N]		
1630	1600	1630	1600	1630	1630	1630	1630	1630	1630	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	0.200	0.200	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6145DB
-	-	-	-	-	-	-	-	-	-	1250	1250	T_{OUT} [N•m]		
-	-	-	-	-	-	-	-	-	-	127	127	T_{OUT} [kgf•m]		
-	-	-	-	-	-	-	-	-	-	16000	16000	Pro[N]		
-	-	-	-	-	-	-	-	-	-	1630	1630	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6145DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]		
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.400	0.400	0.400	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	P_1 [kW]	CNH C-73 CNF C-78 CNV C-85	6160DA
1760	1740	1760	1740	1760	1760	1760	1760	1760	1760	1760	1760	T_{OUT} [N•m]		
179	177	179	177	179	179	179	179	179	179	179	179	T_{OUT} [kgf•m]		
22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	Pro[N]		
2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74 CHF C-79 CVV C-86	6160DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]		
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]	Page of Dim.	Frame Size
1.74	1.40	1.18	0.946	0.847	0.690	0.575	0.503	0.394	0.341	0.283	0.231	n_2 [r/min]		

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

REDUCERS

Selection Tables
Ratio 104/121 - 7569

Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6160DC ~ 6185DA

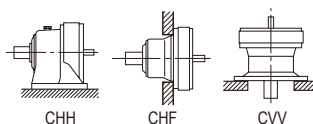
Input Speed	$n_1 = 1750$ r/min	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
		n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
		P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Frame Size	n_2 [r/min] Ratio [Z]	16.8 104	14.5 121	12.2 143	10.6 165	8.97 195	7.58 231	6.41 273	5.49 319	4.64 377	3.70 473	3.13 559	2.70 649	2.39 731	2.08 841
6160DC	P_1 [kW]	3.44	2.95	2.50	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	1760	1760	1760	-	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	179	179	179	-	-	-	-	-	-	-	-	-	-	-
	Pro[N]	22100	22100	22100	-	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	2250	2250	2250	-	-	-	-	-	-	-	-	-	-	-
6165DA	P_1 [kW]	-	-	-	-	1.52	1.52	1.52	1.34	1.13	0.904	0.765	0.659	0.585	0.508
	T_{out} [N·m]	-	-	-	-	1460	1720	2040	2100	2100	2100	2100	2100	2100	2100
	T_{out} [kgf·m]	-	-	-	-	149	176	208	214	214	214	214	214	214	214
	Pro[N]	-	-	-	-	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100
	Pro[kgf]	-	-	-	-	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
6165DB	P_1 [kW]	3.18	3.18	2.99	2.59	2.19	1.85	1.57	-	-	-	-	-	-	-
	T_{out} [N·m]	1620	1890	2100	2100	2100	2100	2100	-	-	-	-	-	-	-
	T_{out} [kgf·m]	166	193	214	214	214	214	214	-	-	-	-	-	-	-
	Pro[N]	22100	22100	22100	22100	22100	22100	22100	-	-	-	-	-	-	-
	Pro[kgf]	2250	2250	2250	2250	2250	2250	2250	-	-	-	-	-	-	-
6165DC	P_1 [kW]	4.11	3.53	2.99	2.59	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	2100	2100	2100	2100	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	214	214	214	214	-	-	-	-	-	-	-	-	-	-
	Pro[N]	22100	22100	22100	22100	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	2250	2250	2250	2250	-	-	-	-	-	-	-	-	-	-
6170DA	P_1 [kW]	-	-	-	-	-	1.52	1.52	1.52	1.37	1.09	0.922	0.794	0.705	0.613
	T_{out} [N·m]	-	-	-	-	-	1720	2030	2370	2530	2530	2530	2530	2530	2530
	T_{out} [kgf·m]	-	-	-	-	-	176	207	242	258	258	258	258	258	258
	Pro[N]	-	-	-	-	-	29500	29500	29500	29500	29500	29500	29500	29500	29500
	Pro[kgf]	-	-	-	-	-	3010	3010	3010	3010	3010	3010	3010	3010	3010
6170DB	P_1 [kW]	-	3.18	3.18	3.12	2.64	2.23	1.89	1.61	-	-	-	-	-	-
	T_{out} [N·m]	-	1890	2230	2530	2530	2530	2530	2530	-	-	-	-	-	-
	T_{out} [kgf·m]	-	193	228	258	258	258	258	258	-	-	-	-	-	-
	Pro[N]	-	29500	29500	29500	29500	29500	29500	29500	-	-	-	-	-	-
	Pro[kgf]	-	3010	3010	3010	3010	3010	3010	3010	-	-	-	-	-	-
6170DC	P_1 [kW]	4.95	4.26	3.60	3.12	2.64	2.23	-	-	-	-	-	-	-	-
	T_{out} [N·m]	2530	2530	2530	2530	2530	2530	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	258	258	258	258	258	258	-	-	-	-	-	-	-	-
	Pro[N]	28600	29500	29500	29500	29500	29500	-	-	-	-	-	-	-	-
	Pro[kgf]	2920	3010	3010	3010	3010	3010	-	-	-	-	-	-	-	-
6175DA	P_1 [kW]	-	-	-	-	-	-	1.52	1.52	1.52	1.36	1.15	0.988	0.877	0.763
	T_{out} [N·m]	-	-	-	-	-	-	2030	2370	2810	3150	3150	3150	3150	3150
	T_{out} [kgf·m]	-	-	-	-	-	-	207	242	287	321	321	321	321	321
	Pro[N]	-	-	-	-	-	-	29500	29500	29500	29500	29500	29500	29500	29500
	Pro[kgf]	-	-	-	-	-	-	3010	3010	3010	3010	3010	3010	3010	3010
6175DB	P_1 [kW]	-	-	3.18	3.18	3.18	2.78	2.35	2.01	1.70	-	-	-	-	-
	T_{out} [N·m]	-	-	2230	2580	3050	3150	3150	3150	3150	-	-	-	-	-
	T_{out} [kgf·m]	-	-	223	263	311	321	321	321	321	-	-	-	-	-
	Pro[N]	-	-	29500	29500	29500	29500	29500	29500	29500	-	-	-	-	-
	Pro[kgf]	-	-	3010	3010	3010	3010	3010	3010	3010	-	-	-	-	-
6175DC	P_1 [kW]	6.17	5.30	4.49	3.89	3.29	2.78	2.35	-	-	-	-	-	-	-
	T_{out} [N·m]	3150	3150	3150	3150	3150	3150	3150	-	-	-	-	-	-	-
	T_{out} [kgf·m]	321	321	321	321	321	321	321	-	-	-	-	-	-	-
	Pro[N]	28300	29500	29500	29500	29500	29500	29500	-	-	-	-	-	-	-
	Pro[kgf]	2880	3010	3010	3010	3010	3010	3010	-	-	-	-	-	-	-
6180DA	P_1 [kW]	-	-	-	3.18	3.18	3.18	3.02	2.59	2.19	1.75	1.48	1.27	1.13	0.981
	T_{out} [N·m]	-	-	-	2580	3050	3610	4050	4050	4050	4060	4060	4050	4060	4050
	T_{out} [kgf·m]	-	-	-	263	311	368	413	413	413	414	414	413	414	413
	Pro[N]	-	-	-	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700
	Pro[kgf]	-	-	-	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250
6180DB	P_1 [kW]	7.95	6.83	5.78	5.01	4.24	3.57	3.02	2.59	-	-	-	-	-	-
	T_{out} [N·m]	4060	4060	4060	4060	4060	4050	4050	4050	-	-	-	-	-	-
	T_{out} [kgf·m]	414	414	414	414	414	413	413	413	-	-	-	-	-	-
	Pro[N]	37700	40300	41700	41700	41700	41700	41700	41700	-	-	-	-	-	-
	Pro[kgf]	3840	4100	4250	4250	4250	4250	4250	4250	-	-	-	-	-	-
6185DA	P_1 [kW]	-	-	-	-	-	3.18	3.18	3.18	2.70	2.15	1.82	1.57	1.39	1.21
	T_{out} [N·m]	-	-	-	-	-	3610	4260	4980	5000	5000	5000	5000	5000	5000
	T_{out} [kgf·m]	-	-	-	-	-	368	434	508	510	510	510	510	510	510
	Pro[N]	-	-	-	-	-	41700	41700	41700	41700	41700	41700	41600	41700	41700
	Pro[kgf]	-	-	-	-	-	4250	4250	4250	4250	4250	4250	4240	4250	4250
Frame Size	Ratio [Z]	104	121	143	165	195	231	273	319	377	473	559	649	731	841
	n_2 [r/min]	16.8	14.5	12.2	10.6	8.97	7.58	6.41	5.49	4.64	3.70	3.13	2.70	2.39	2.08

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1750$ r/min

1.74	1.40	1.18	0.946	0.847	0.690	0.575	0.503	0.394	0.341	0.283	0.231	n_2 [r/min]	Page of Dim.	Frame Size
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6160DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.426	0.400	0.400	0.400	0.207	0.200	0.200	0.200	0.200	0.200	0.200	0.200	P_1 [kW]	CHH C-74	6165DA
2100	2100	2050	2100	2100	2100	2050	2100	2050	2050	2050	2050	T_{OUT} [N•m]	CHF C-79	
214	214	209	214	214	214	209	214	209	209	209	209	T_{OUT} [kgf•m]	CW C-86	
22100	22100	21800	22100	22100	22100	21800	22100	21800	21800	21800	21800	Pro[N]		
2250	2250	2220	2250	2250	2250	2220	2250	2220	2220	2220	2220	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74	6165DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-86	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6165DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.514	0.413	0.400	0.400	0.400	0.203	0.200	0.200	0.200	0.200	0.200	0.200	P_1 [kW]	CHH C-74	6170DA
2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	2530	T_{OUT} [N•m]	CHF C-79	
258	258	258	258	258	258	258	258	258	258	258	258	T_{OUT} [kgf•m]	CW C-86	
29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	Pro[N]		
3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74	6170DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-86	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6170DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.639	0.514	0.434	0.400	0.400	0.400	0.211	0.200	0.200	0.200	0.200	0.200	P_1 [kW]	CHH C-74	6175DA
3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	T_{OUT} [N•m]	CHF C-79	
321	321	321	321	321	321	321	321	321	321	321	321	T_{OUT} [kgf•m]	CW C-86	
29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	29500	Pro[N]		
3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	3010	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-74	6175DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-79	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-86	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6175DC
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
0.822	0.750	0.750	0.447	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	P_1 [kW]	CHH C-74	6180DA
4050	4060	4060	4060	4050	4050	4060	4050	4060	4060	4060	4060	T_{OUT} [N•m]	CHF C-79	
413	414	414	414	413	413	414	413	414	414	414	414	T_{OUT} [kgf•m]	CW C-86	
41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	41700	Pro[N]		
4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	4250	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6180DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
1.01	0.816	0.750	0.750	0.750	0.401	0.400	0.400	0.400	0.400	0.400	0.400	P_1 [kW]	CHH C-74	6185DA
5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	T_{OUT} [N•m]	CHF C-79	
510	510	510	510	510	510	510	510	510	510	510	510	T_{OUT} [kgf•m]	CW C-86	
41600	41700	41700	41700	41600	41600	41700	41600	41700	41700	41700	41700	Pro[N]		
4240	4250	4250	4250	4240	4240	4250	4240	4250	4250	4250	4250	Pro[kgf]		
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]	Page of Dim.	Frame Size
1.74	1.40	1.18	0.946	0.847	0.690	0.575	0.503	0.394	0.341	0.283	0.231	n_2 [r/min]		

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

REDUCERS

Selection Tables
Ratio 104/121 - 7569

Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6185DB ~ 6235DB

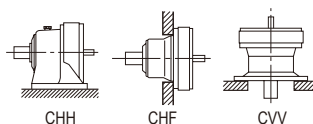
Input Speed	$n_1 = 1750$ r/min	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
		n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
		P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Frame Size	n_2 [r/min] Ratio [Z]	16.8 104	14.5 121	12.2 143	10.6 165	8.97 195	7.58 231	6.41 273	5.49 319	4.64 377	3.70 473	3.13 559	2.70 649	2.39 731	2.08 841
6185DB	P_1 [kW]	9.60	8.09	6.98	6.07	5.14	4.41	3.73	3.19	2.70	-	-	-	-	-
	T_{out} [N·m]	4900	4810	4900	4920	4920	5000	5000	5000	5000	-	-	-	-	-
	T_{out} [kgf·m]	500	490	500	502	502	510	510	510	510	-	-	-	-	-
	Pro[N]	37300	40000	41700	41700	41700	41700	41700	41700	41700	-	-	-	-	-
	Pro[kgf]	3800	4070	4250	4250	4250	4250	4250	4250	4250	-	-	-	-	-
6190DA	P_1 [kW]	-	-	5.92	5.92	5.92	5.62	4.76	4.07	3.45	2.75	2.32	2.00	1.78	1.54
	T_{out} [N·m]	-	-	4160	4800	5670	6380	6380	6380	6380	6380	6380	6380	6380	6380
	T_{out} [kgf·m]	-	-	424	490	579	650	650	650	650	650	650	650	650	650
	Pro[N]	-	-	59000	59000	59000	59000	59000	59000	59000	59000	59000	58600	59000	59000
	Pro[kgf]	-	-	6010	6010	6010	6010	6010	6010	6010	6010	6010	5970	6010	6010
6190DB	P_1 [kW]	11.3	10.7	9.08	7.87	6.66	5.62	-	-	-	-	-	-	-	-
	T_{out} [N·m]	5770	6380	6380	6380	6380	6380	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	589	650	650	650	650	650	-	-	-	-	-	-	-	-
	Pro[N]	52400	55900	58400	58900	58900	59000	-	-	-	-	-	-	-	-
	Pro[kgf]	5340	5700	5950	6000	6000	6010	-	-	-	-	-	-	-	-
6195DA	P_1 [kW]	-	-	-	-	5.92	5.92	5.92	5.08	4.30	3.43	2.90	2.50	2.22	1.93
	T_{out} [N·m]	-	-	-	-	5670	6720	7940	7960	7960	7960	7960	7960	7960	7960
	T_{out} [kgf·m]	-	-	-	-	579	686	810	811	811	811	811	811	811	811
	Pro[N]	-	-	-	-	59000	59000	59000	59000	59000	59000	59000	58100	59000	59000
	Pro[kgf]	-	-	-	-	6010	6010	6010	6010	6010	6010	6010	5930	6010	6010
6195DB	P_1 [kW]	11.3	11.3	10.9	9.76	8.26	7.02	5.94	-	-	-	-	-	-	-
	T_{out} [N·m]	5770	6720	7630	7910	7910	7960	7960	-	-	-	-	-	-	-
	T_{out} [kgf·m]	589	686	778	806	806	811	811	-	-	-	-	-	-	-
	Pro[N]	52400	55700	57900	58300	58300	59000	59000	-	-	-	-	-	-	-
	Pro[kgf]	5340	5680	5900	5940	5940	6010	6010	-	-	-	-	-	-	-
6205DA	P_1 [kW]	-	-	-	-	-	-	5.86	4.84	4.34	3.35	3.00	2.44	2.52	2.23
	T_{out} [N·m]	-	-	-	-	-	-	7860	7590	8030	7780	8230	7790	9060	9230
	T_{out} [kgf·m]	-	-	-	-	-	-	801	773	819	793	839	794	923	941
	Pro[N]	-	-	-	-	-	-	84100	84100	84100	84100	84100	84100	84100	84100
	Pro[kgf]	-	-	-	-	-	-	8570	8570	8570	8570	8570	8570	8570	8570
6205DB	P_1 [kW]	-	11.3	-	11.3	9.68	8.17	6.92	5.89	4.99	4.00	3.39	2.92	2.59	-
	T_{out} [N·m]	-	6720	-	9160	9270	9270	9270	9230	9230	9300	9300	9300	9300	-
	T_{out} [kgf·m]	-	686	-	935	945	945	945	941	941	948	948	948	948	-
	Pro[N]	-	84100	-	84100	84100	84100	84100	84100	84100	84100	84100	84100	84100	-
	Pro[kgf]	-	8570	-	8570	8570	8570	8570	8570	8570	8570	8570	8570	8570	-
6215DA	P_1 [kW]	-	-	-	11.3	11.3	11.0	9.32	8.07	6.83	5.45	4.61	3.97	3.52	3.06
	T_{out} [N·m]	-	-	-	9160	10800	12500	12500	12700	12700	12700	12700	12700	12700	12700
	T_{out} [kgf·m]	-	-	-	935	1100	1270	1270	1290	1290	1290	1290	1290	1290	1290
	Pro[N]	-	-	-	104000	104000	104000	104000	104000	104000	104000	104000	104000	104000	104000
	Pro[kgf]	-	-	-	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600
6215DB	P_1 [kW]	-	19.1	-	15.0	12.7	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	-	11400	-	12200	12200	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	-	1160	-	1240	1240	-	-	-	-	-	-	-	-	-
	Pro[N]	-	101000	-	104000	104000	-	-	-	-	-	-	-	-	-
	Pro[kgf]	-	10300	-	10600	10600	-	-	-	-	-	-	-	-	-
6225DA	P_1 [kW]	-	-	-	-	11.3	11.0	9.60	8.12	6.89	5.83	4.98	4.46	3.64	-
	T_{out} [N·m]	-	-	-	-	10800	12800	14800	15000	15000	16000	16000	15900	16000	15000
	T_{out} [kgf·m]	-	-	-	-	1100	1310	1510	1530	1530	1630	1630	1620	1630	1530
	Pro[N]	-	-	-	-	122000	130000	137000	142000	145000	145000	145000	145000	145000	145000
	Pro[kgf]	-	-	-	-	12500	13200	13900	14500	14800	14800	14800	14800	14800	14800
6225DB	P_1 [kW]	-	22.6	-	17.9	15.1	13.0	-	-	-	-	-	-	-	-
	T_{out} [N·m]	-	13500	-	14500	14500	14800	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	-	1370	-	1480	1480	1510	-	-	-	-	-	-	-	-
	Pro[N]	-	106000	-	115000	122000	130000	-	-	-	-	-	-	-	-
	Pro[kgf]	-	10800	-	11800	12400	13200	-	-	-	-	-	-	-	-
6235DA	P_1 [kW]	-	24.1	-	24.1	20.5	16.7	14.1	12.1	10.2	8.82	7.47	6.43	5.71	4.58
	T_{out} [N·m]	-	14300	-	19500	19600	18900	18900	18900	18900	20500	20500	20500	20500	18900
	T_{out} [kgf·m]	-	1460	-	1990	2000	1930	1930	1930	1930	2090	2090	2090	2090	1930
	Pro[N]	-	133000	-	143000	150000	162000	170000	177000	179000	179000	179000	179000	179000	179000
	Pro[kgf]	-	13600	-	14500	15300	16500	17300	18100	18200	18200	18200	18200	18200	18200
6235DB	P_1 [kW]	-	31.5	-	24.2	-	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	-	18700	-	19600	-	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	-	1910	-	2000	-	-	-	-	-	-	-	-	-	-
	Pro[N]	-	133000	-	143000	-	-	-	-	-	-	-	-	-	-
	Pro[kgf]	-	13500	-	14500	-	-	-	-	-	-	-	-	-	-
Frame Size	Ratio [Z]	104	121	143	165	195	231	273	319	377	473	559	649	731	841
	n_2 [r/min]	16.8	14.5	12.2	10.6	8.97	7.58	6.41	5.49	4.64	3.70	3.13	2.70	2.39	2.08

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1750$ r/min

1.74	1.40	1.18	0.946	0.847	0.690	0.575	0.503	0.394	0.341	0.283	0.231	n_2 [r/min]	Page of Dim.	Frame Size
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6185DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
1.30	1.04	0.878	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	P_1 [kW]	CHH C-75	6190DA
6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	6380	T_{OUT} [N•m]	CHF C-80	
650	650	650	650	650	650	650	650	650	650	650	650	T_{OUT} [kgf•m]	CVW C-87	
58600	59000	58900	59000	58600	58600	58900	58600	58900	58900	58900	58900	Pro[N]		
5970	6010	6000	6010	5970	5970	6000	5970	6000	6000	6000	6000	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6190DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
1.62	1.30	1.10	0.877	0.785	0.750	0.750	0.750	0.750	0.750	0.750	0.750	P_1 [kW]	CHH C-75	6195DA
7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	7960	T_{OUT} [N•m]	CHF C-80	
811	811	811	811	811	811	811	811	811	811	811	811	T_{OUT} [kgf•m]	CVW C-87	
58100	59000	58400	59000	58100	58100	58400	58100	58400	58400	58400	58400	Pro[N]		
5930	6010	5950	6010	5930	5930	5950	5930	5950	5950	5950	5950	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6195DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
2.20	2.20	1.50	1.50	1.50	0.750	0.750	0.750	0.750	0.750	0.750	0.750	P_1 [kW]	CHH C-75	6205DA
9060	9300	8360	9300	9300	9300	8760	9300	8760	9300	8760	8760	T_{OUT} [N•m]	CHF C-80	
923	948	853	948	948	948	893	948	893	948	893	893	T_{OUT} [kgf•m]	CVW C-87	
84100	84100	84100	84100	84100	84100	84100	84100	84100	84100	84100	84100	Pro[N]		
8570	8570	8570	8570	8570	8570	8570	8570	8570	8570	8570	8570	Pro[kgf]		
2.20	-	1.50	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6205DB
9300	-	8760	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
948	-	893	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
84100	-	84100	-	-	-	-	-	-	-	-	-	Pro[N]		
8570	-	8570	-	-	-	-	-	-	-	-	-	Pro[kgf]		
2.57	2.20	1.55	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	P_1 [kW]	CHH C-75	6215DA
12700	12700	11300	12700	12700	12700	11300	12700	11300	12700	11300	11300	T_{OUT} [N•m]	CHF C-80	
1290	1290	1150	1290	1290	1290	1150	1290	1150	1290	1150	1150	T_{OUT} [kgf•m]	CVW C-87	
104000	104000	104000	104000	104000	104000	104000	104000	104000	104000	104000	104000	Pro[N]		
10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6215DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
3.22	2.61	2.20	1.76	1.57	1.50	1.50	1.50	1.50	1.50	1.50	1.50	P_1 [kW]	CHH C-75	6225DA
15900	16000	15100	16000	15900	15900	15100	15900	15100	15900	15100	15100	T_{OUT} [N•m]	CHF C-80	
1620	1630	1540	1630	1620	1620	1540	1620	1540	1620	1540	1540	T_{OUT} [kgf•m]	CVW C-87	
145000	145000	145000	145000	145000	145000	145000	145000	145000	145000	145000	145000	Pro[N]		
14800	14800	14800	14800	14800	14800	14800	14800	14800	14800	14800	14800	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6225DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
4.16	3.35	2.36	2.26	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	P_1 [kW]	CHH C-75	6235DA
20500	20500	17200	20500	20500	20500	17200	20500	17200	20500	17200	17200	T_{OUT} [N•m]	CHF C-80	
2090	2090	1750	2090	2090	2090	1750	2090	1750	2090	1750	1750	T_{OUT} [kgf•m]	CVW C-87	
179000	179000	179000	179000	179000	179000	179000	179000	179000	179000	179000	179000	Pro[N]		
18200	18200	18200	18200	18200	18200	18200	18200	18200	18200	18200	18200	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6235DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CVW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]	Page of Dim.	Frame Size
1.74	1.40	1.18	0.946	0.847	0.690	0.575	0.503	0.394	0.341	0.283	0.231	n_2 [r/min]		

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

Selection Tables 6000 Series Reducer

Double Reduction Ratio 104,121 ~ 7569 Frame Size: 6245DA ~ 6275DA

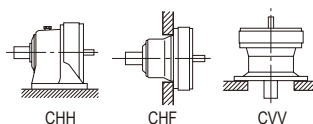
Input Speed	$n_1 = 1750$ r/min	n_1 : Input Speed [r/min]	T_{out} : Allowable output torque [N·m, kgf·m]
		n_2 : Output Speed [r/min]	Pro: Allowable output shaft radial load [N, kgf]
		P_1 : Allowable input power [kW]	*Consult us for Pro of CNF and CHF type.

Frame Size	n_2 [r/min] Ratio [Z]	16.8 104	14.5 121	12.2 143	10.6 165	8.97 195	7.58 231	6.41 273	5.49 319	4.64 377	3.70 473	3.13 559	2.70 649	2.39 731	2.08 841
6245DA	P_1 [kW]	-	-	-	24.1	22.6	22.7	19.2	16.5	13.9	11.1	9.40	8.09	7.19	6.25
	T_{out} [N·m]	-	-	-	19500	21600	25800	25800	25800	25800	25800	25800	25800	25800	25800
	T_{out} [kgf·m]	-	-	-	1990	2200	2630	2630	2630	2630	2630	2630	2630	2630	2630
	Pro[N]	-	-	-	160000	167000	179000	188000	196000	207000	208000	208000	208000	208000	208000
	Pro[kgf]	-	-	-	16300	17100	18200	19200	20000	21100	21200	21200	21200	21200	21200
6245DB	P_1 [kW]	-	34.6	-	32.4	27.4	22.7	-	-	-	-	-	-	-	-
	T_{out} [N·m]	-	20500	-	26200	26200	25800	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	-	2090	-	2680	2680	2630	-	-	-	-	-	-	-	-
	Pro[N]	-	148000	-	158000	167000	179000	-	-	-	-	-	-	-	-
	Pro[kgf]	-	15000	-	16100	17000	18200	-	-	-	-	-	-	-	-
6255DA	P_1 [kW]	-	30.1	-	30.1	30.1	27.3	23.1	20.7	17.5	14.9	12.6	10.8	9.61	7.86
	T_{out} [N·m]	-	17900	-	24400	28900	31000	31000	32500	32500	34500	34500	34500	34500	32500
	T_{out} [kgf·m]	-	1830	-	2490	2950	3160	3160	3310	3310	3520	3520	3520	3520	3310
	Pro[N]	-	182000	-	195000	204000	218000	229000	241000	254000	258000	258000	258000	258000	258000
	Pro[kgf]	-	18500	-	19900	20800	22200	23400	24600	25900	26300	26300	26300	26300	26300
6255DB	P_1 [kW]	-	46.3	-	38.4	32.5	-	-	-	-	-	-	-	-	-
	T_{out} [N·m]	-	27500	-	31200	31200	-	-	-	-	-	-	-	-	-
	T_{out} [kgf·m]	-	2800	-	3180	3180	-	-	-	-	-	-	-	-	-
	Pro[N]	-	180000	-	194000	204000	-	-	-	-	-	-	-	-	-
	Pro[kgf]	-	18400	-	19800	20800	-	-	-	-	-	-	-	-	-
6265DA	P_1 [kW]	-	48.1	-	48.1	45.7	40.5	34.3	29.4	24.8	19.8	16.8	14.4	12.8	11.1
	T_{out} [N·m]	-	28600	-	39000	43700	46000	46000	46000	46000	46000	46000	46000	46000	46000
	T_{out} [kgf·m]	-	2920	-	3980	4460	4690	4690	4690	4690	4690	4690	4690	4690	4690
	Pro[N]	-	221000	-	236000	248000	265000	276000	276000	276000	276000	276000	276000	276000	276000
	Pro[kgf]	-	22500	-	24100	25300	27000	28100	28100	28100	28100	28100	28100	28100	28100
6275DA	P_1 [kW]	-	-	-	-	-	-	-	43.5	36.8	29.4	24.8	21.4	19.0	16.5
	T_{out} [N·m]	-	-	-	-	-	-	-	68200	68200	68200	68200	68200	68200	68200
	T_{out} [kgf·m]	-	-	-	-	-	-	-	6950	6950	6950	6950	6950	6950	6950
	Pro[N]	-	-	-	-	-	-	-	248000	248000	248000	248000	248000	248000	248000
	Pro[kgf]	-	-	-	-	-	-	-	25300	25300	25300	25300	25300	25300	25300
Frame Size	Ratio [Z]	104	121	143	165	195	231	273	319	377	473	559	649	731	841
	n_2 [r/min]	16.8	14.5	12.2	10.6	8.97	7.58	6.41	5.49	4.64	3.70	3.13	2.70	2.39	2.08

Note: 1. Allowable radial load Pro is the value at the midpoint of the output shaft. Refer to pages F-11~12 when radial load is off the midpoint of output shaft and for checking thrust load.

2. Refer to pages F-15~16 for allowable radial load for input shaft.

Selection Tables 6000 Series Reducer



Input Speed

 $n_1 = 1750 \text{ r/min}$

1.74	1.40	1.18	0.946	0.847	0.690	0.575	0.503	0.394	0.341	0.283	0.231	n_2 [r/min]	Page of Dim.	Frame Size
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]		
5.24	4.21	3.12	2.84	2.54	2.20	2.20	2.20	2.20	2.20	2.20	2.20	P_1 [kW]	CHH C-75	6245DA
25800	25800	22600	25800	25800	25800	22600	25800	22600	25800	22600	22600	T_{OUT} [N•m]	CHF C-80	
2630	2630	2310	2630	2630	2630	2310	2630	2310	2630	2310	2310	T_{OUT} [kgf•m]	CW C-87	
208000	208000	208000	208000	208000	208000	208000	208000	208000	208000	208000	208000	Pro[N]		
21200	21200	21200	21200	21200	21200	21200	21200	21200	21200	21200	21200	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6245DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
7.00	5.63	4.27	3.80	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	P_1 [kW]	CHH C-75	6255DA
34500	34500	31000	34500	34500	34500	31000	34500	31000	34500	31000	31000	T_{OUT} [N•m]	CHF C-80	
3520	3520	3160	3520	3520	3520	3160	3520	3160	3520	3160	3160	T_{OUT} [kgf•m]	CW C-87	
258000	258000	258000	258000	258000	258000	258000	258000	258000	258000	258000	258000	Pro[N]		
26300	26300	26300	26300	26300	26300	26300	26300	26300	26300	26300	26300	Pro[kgf]		
-	-	-	-	-	-	-	-	-	-	-	-	P_1 [kW]	CHH C-75	6255DB
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [N•m]	CHF C-80	
-	-	-	-	-	-	-	-	-	-	-	-	T_{OUT} [kgf•m]	CW C-87	
-	-	-	-	-	-	-	-	-	-	-	-	Pro[N]		
-	-	-	-	-	-	-	-	-	-	-	-	Pro[kgf]		
9.34	7.51	6.06	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	P_1 [kW]	CHH C-75	6265DA
46000	46000	44000	46000	46000	46000	44000	46000	44000	46000	44000	44000	T_{OUT} [N•m]	CHF C-80	
4690	4690	4490	4690	4690	4690	4490	4690	4490	4690	4490	4490	T_{OUT} [kgf•m]	CW C-87	
276000	276000	276000	276000	276000	276000	276000	276000	276000	276000	276000	276000	Pro[N]		
28100	28100	28100	28100	28100	28100	28100	28100	28100	28100	28100	28100	Pro[kgf]		
13.8	11.1	9.39	7.51	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	P_1 [kW]	CHH C-75	6275DA
68200	68200	68200	68200	68200	68200	68200	68200	68200	68200	68200	68200	T_{OUT} [N•m]	CHF C-80	
6950	6950	6950	6950	6950	6950	6950	6950	6950	6950	6950	6950	T_{OUT} [kgf•m]	CW C-87	
248000	248000	245000	248000	248000	248000	245000	248000	245000	248000	245000	245000	Pro[N]		
25300	25300	25000	25300	25300	25300	25000	25300	25000	25300	25000	25000	Pro[kgf]		
1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569	Ratio [Z]	Page of Dim.	Frame Size
1.74	1.40	1.18	0.946	0.847	0.690	0.575	0.503	0.394	0.341	0.283	0.231	n_2 [r/min]		

REDUCERS

Selection Tables
Ratio 104,121 - 7569

Note: 3. Necessary input power for starting is printed in bold face. Do not exceed allowable output torque after startup.

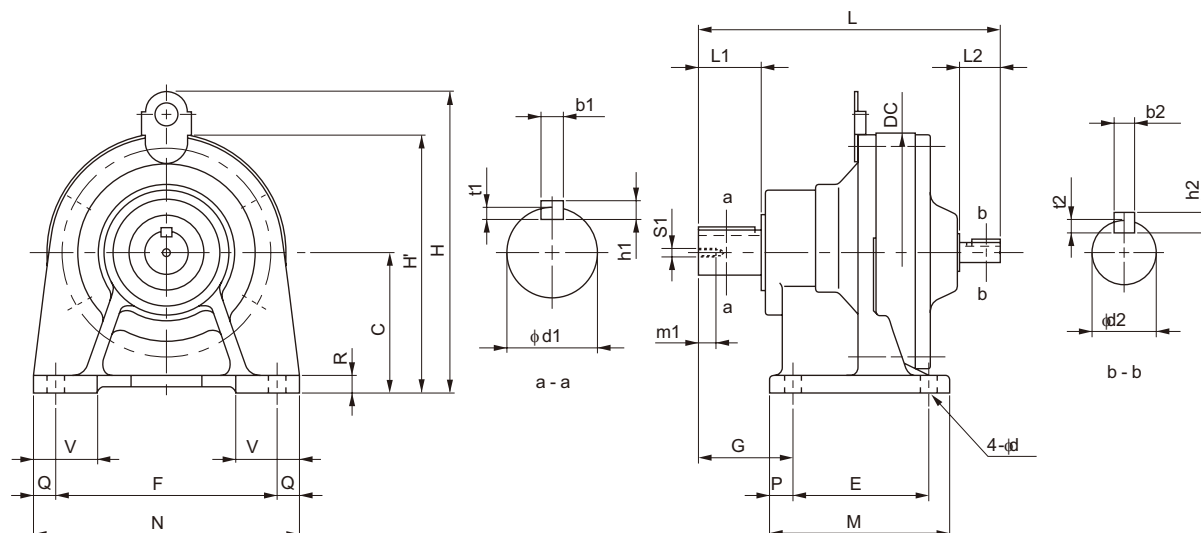
M E M O

C CYCLO® SPEED REDUCERS

3. Dimension Tables

Dimension Tables Speed Reducer (Universal Direction, Foot Mount)

CNH - 606□ to 612□



Frame size Note: 1	L	C	DC	E	F	G	H	H'	M	N	P	Q	R	V	d	W [kg]
606□	145	80	110	60	120	41	-	135	84	144	12	12	10	48	9	2.5
607□	151	80	110	60	120	47	-	135	84	144	12	12	10	48	9	2.5
608□	179	90	134	75	120	52	-	157	99	144	12	12	13	49	9	8
609□	202	100	150	90	150	60	-	175	135	180	15	15	12	65	11	11
Note: 5 610□	208	100	150	90	150	60	207	-	135	180	15	15	12	40	11	13
611□	218	120	162	90	150	70	236	-	135	180	15	15	12	45	11	15
Note: 5 612□	259	120	204	115	190	82	257	-	155	230	20	20	15	55	14	24

Model Note: 1	Output Shaft Note: 2, 3, 4								Input Shaft Note: 2, 3, 4					
	d1	L1	b1	h1	t1	S1	m1		d2	L2	b2	h2	t2	
CNH - 606□ - Ratio	14	25	5	5	3	M5	16		12	25	4	4	2.5	
CNH - 607□ - Ratio	18	30	6	6	3.5	M6	16		12	25	4	4	2.5	
CNH - 608□ - Ratio	22	35	6	6	3.5	M6	16		12	25	4	4	2.5	
CNH - 609□ - Ratio	28	35	8	7	4	M8	20		15	25	5	5	3	
Note: 5 CNH - 610□ - Ratio	28	35	8	7	4	M8	20		15	25	5	5	3	
CNH - 611□ - Ratio	32	45	10	8	5	M8	20		15	25	5	5	3	
Note: 5 CNH - 612□ - Ratio	38	55	10	8	5	M8	20		18	35	6	6	3.5	

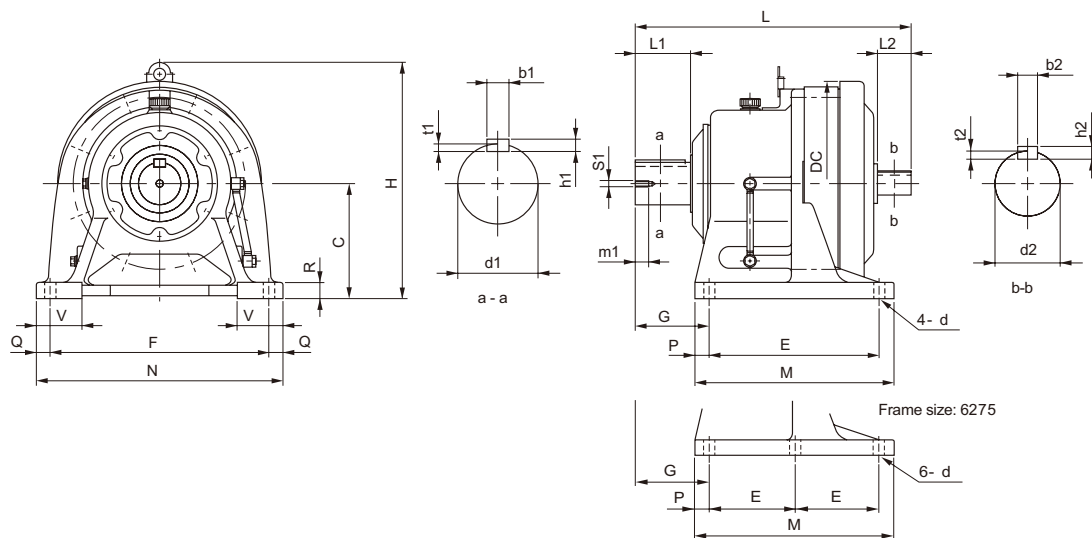
Note: 4. Refer to pages F-28~30 for details on input and output shaft end dimensions.

5. Refer to page C-88 for center height options available.

6. Dimensions in above drawings are subject to change without notice.

Dimension Tables Speed Reducer (Horizontal Direction, Foot Mount)

CHH - 613□ to 6275



Frame size	L	C	DC	E	F	G	H	M	N	P	Q	R	V	d	W [kg]
Note: 1 613□	321	150	230	145	290	100	300	195	330	25	20	22	65	18	43
Note: 5 614□	341	150	230	145	290	120	300	195	330	25	20	22	65	18	44
Note: 5 616□	413	160	318	150	370	139	367	238	410	44	20	25	75	18	84
617□	477	200	362	275	380	125	429	335	430	30	25	30	80	22	125
618□	527	220	390	320	420	145	467	380	470	30	25	30	85	22	163
619□	620	250	451	380	480	170	539	440	530	30	25	35	90	26	240
6205	678	250	471	360	440	215	530	440	530	40	45	35	100	26	255
6215	708	265	507	395	480	210	575	475	580	40	50	40	110	26	336
6225	752	280	549	420	540	230	610	520	620	50	40	40	115	33	409
6235	839	300	591	460	580	260	667	560	670	50	45	45	120	33	503
6245	877	335	637	480	630	263	729	580	720	50	45	45	128	39	614
6255	1040	375	703	520	670	320	815	630	780	55	55	50	140	39	957
6265	1150	400	772	590	770	390	874	700	880	55	55	55	160	45	1190
6275	1462	540	986	420	1050	485	1161	1040	1160	100	55	60	200	45	2460

Model	Note: 1	Output Shaft								Input Shaft					
		d1	L1	b1	h1	t1	S1	m1		d2	L2	b2	h2	t2	
CHH - 613□ - Ratio	Note: 1	50	70	14	9	5.5	M10	18		22	40	6	6	3.5	
Note: 5 CHH - 614□ - Ratio	Note: 5	50	90	14	9	5.5	M10	18		22	40	6	6	3.5	
Note: 5 CHH - 616□ - Ratio	Note: 5	60	90	18	11	7	M10	18		30	45	8	7	4	
CHH - 617□ - Ratio		70	90	20	12	7.5	M12	24		35	55	10	8	5	
CHH - 618□ - Ratio		80	110	22	14	9	M12	24		40	65	12	8	5	
CHH - 619□ - Ratio		95	135	25	14	9	M20	34		45	70	14	9	5.5	
CHH - 6205 - Ratio		100	165	28	16	10	M20	34		45	82	14	9	5.5	
CHH - 6215 - Ratio		110	165	28	16	10	M20	34		50	82	14	9	5.5	
CHH - 6225 - Ratio		120	165	32	18	11	M20	34		55	82	16	10	6	
CHH - 6235 - Ratio		130	200	32	18	11	M24	41		60	105	18	11	7	
CHH - 6245 - Ratio		140	200	36	20	12	M24	41		65	105	18	11	7	
CHH - 6255 - Ratio		160	240	40	22	13	M30	49		80	130	22	14	9	
CHH - 6265 - Ratio		170	300	40	22	13	M30	49		80	130	22	14	9	
CHH - 6275 - Ratio		180	330	45	25	15	M30	52		90	150	25	14	9	

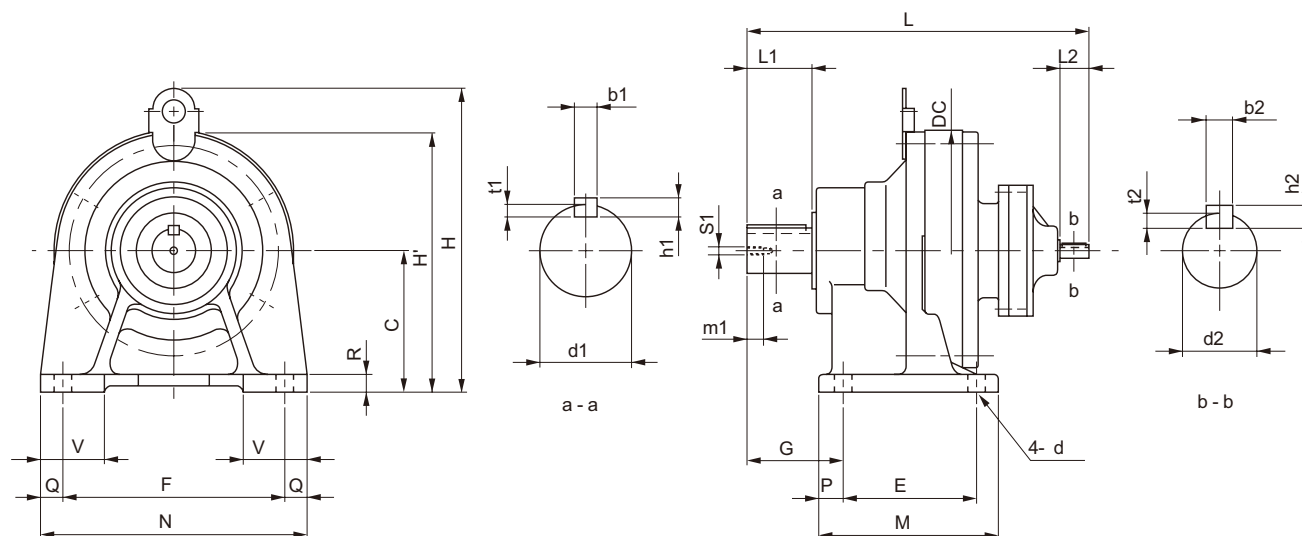
Note: 1. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Speed Reducer (Universal Direction, Foot Mount)

CNH - 606□DA to 612□DB



Frame size Note: 1	L	C	DC	E	F	G	H	H'	M	N	P	Q	R	V	d	W [kg]
606□DA	178	80	110	60	120	41	-	135	84	144	12	12	10	48	9	4.0
607□DA	184	80	110	60	120	47	-	135	84	144	12	12	10	48	9	4.5
609□DA	243	100	150	90	150	60	-	175	135	180	15	15	12	49	11	12
610□DA	257	100	150	90	150	60	207	-	135	180	15	15	12	65	11	15
612□DA	293	120	204	115	190	82	257	-	155	230	20	20	15	55	14	26
612□DB	312	120	204	115	190	82	257	-	155	230	20	20	15	55	14	29

Model Note: 1	Output Shaft Note: 2, 3, 4							Input Shaft Note: 2, 3, 4				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
CNH - 606□DA - Ratio	14	25	5	5	3	M5	16	12	25	4	4	2.5
CNH - 607□DA - Ratio	18	30	6	6	3.5	M6	16	12	25	4	4	2.5
CNH - 609□DA - Ratio	28	35	8	7	4	M8	20	12	25	4	4	2.5
CNH - 610□DA - Ratio	28	35	8	7	4	M8	20	12	25	4	4	2.5
CNH - 612□DA - Ratio	38	55	10	8	5	M8	20	12	25	4	4	2.5
CNH - 612□DB - Ratio	38	55	10	8	5	M8	20	15	25	5	5	3

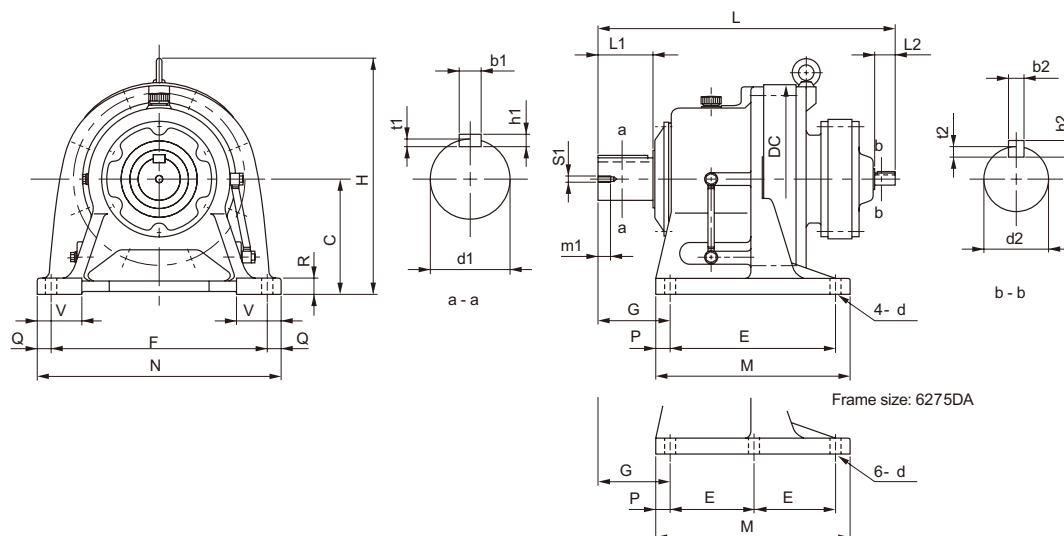
Note: 4. Refer to pages F-28~30 for details on input and output shaft end dimensions.

5. Refer to page C-88 for center height options available.

6. Dimensions in above drawings are subject to change without notice.

Dimension Tables Speed Reducer (Horizontal Direction, Foot Mount)

CHH - 616□DC to 6275DA



Frame size Note: 1	L	C	DC	E	F	G	H	M	N	P	Q	R	V	d	W [kg]
616□DC	462	160	300	150	370	139	349	238	410	44	20	25	75	18	94
617□DC	509	200	340	275	380	125	416	335	430	30	25	30	80	22	128
618□DB	577	220	370	320	420	145	451	380	470	30	25	30	85	22	183
619□DA	629	250	430	380	480	170	531	440	530	30	25	35	90	26	241
619□DB	653	250	430	380	480	170	531	440	530	30	25	35	90	26	250
6205DA	670	250	448	360	440	215	530	440	530	40	45	35	100	26	260
6205DB	705	250	448	360	440	215	530	440	530	40	45	35	100	26	273
6215DA	731	265	485	395	480	210	575	475	580	40	50	40	110	26	354
6215DB	780	265	485	395	480	210	575	475	580	40	50	40	110	26	376
6225DA	773	280	526	420	540	230	610	520	620	50	40	40	115	33	429
6225DB	860	280	526	420	540	230	610	520	620	50	40	40	115	33	476
6235DA	883	300	562	460	580	260	667	560	670	50	45	45	120	33	548
6235DB	938	300	562	460	580	260	667	560	670	50	45	45	120	33	582
6245DA	921	335	614	480	630	263	729	580	720	50	45	45	128	39	656
6245DB	975	335	614	480	630	263	729	580	720	50	45	45	128	39	686
6255DA	1081	375	670	520	670	320	815	630	780	55	55	50	140	39	1010
6255DB	1133	375	670	520	670	320	815	630	780	55	55	50	140	39	1085
6265DA	1243	400	736	590	770	390	874	700	880	55	55	55	160	45	1340
6275DA	1504	540	950	420	1050	485	1161	1040	1160	100	55	60	200	45	2480

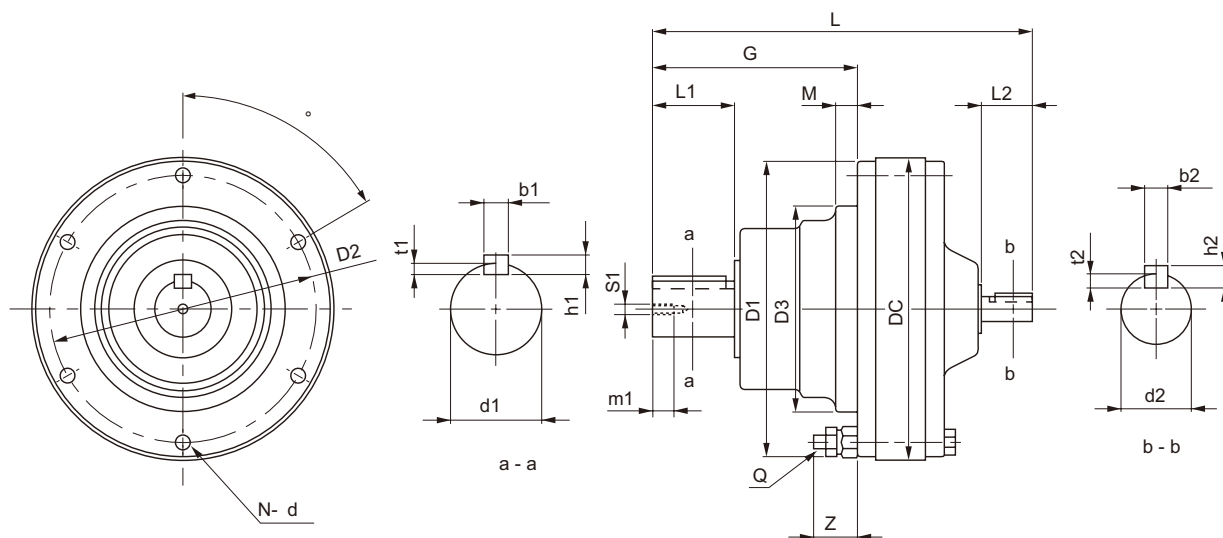
Model Note: 1	Output Shaft Note: 2, 3, 4									Input Shaft Note: 2, 3, 4				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2		
CHH - 616□DC - Ratio	60	90	18	11	7	M10	18	18	35	6	6	3.5		
CHH - 617□DC - Ratio	70	90	20	12	7.5	M12	24	18	35	6	6	3.5		
CHH - 618□DB - Ratio	80	110	22	14	9	M12	24	22	40	6	6	3.5		
CHH - 619□DA - Ratio	95	135	25	14	9	M20	34	18	35	6	6	3.5		
CHH - 619□DB - Ratio	95	135	25	14	9	M20	34	22	40	6	6	3.5		
CHH - 6205DA - Ratio	100	165	28	16	10	M20	34	18	35	6	6	3.5		
CHH - 6205DB - Ratio	100	165	28	16	10	M20	34	22	40	6	6	3.5		
CHH - 6215DA - Ratio	110	165	28	16	10	M20	34	22	40	6	6	3.5		
CHH - 6215DB - Ratio	110	165	28	16	10	M20	34	30	45	8	7	4		
CHH - 6225DA - Ratio	120	165	32	18	11	M20	34	22	40	6	6	3.5		
CHH - 6225DB - Ratio	120	165	32	18	11	M20	34	35	55	10	8	5		
CHH - 6235DA - Ratio	130	200	32	18	11	M24	41	30	45	8	7	4		
CHH - 6235DB - Ratio	130	200	32	18	11	M24	41	40	65	12	8	5		
CHH - 6245DA - Ratio	140	200	36	20	12	M24	41	30	45	8	7	4		
CHH - 6245DB - Ratio	140	200	36	20	12	M24	41	40	65	12	8	5		
CHH - 6255DA - Ratio	160	240	40	22	13	M30	49	35	55	10	8	5		
CHH - 6255DB - Ratio	160	240	40	22	13	M30	49	45	70	14	9	5.5		
CHH - 6265DA - Ratio	170	300	40	22	13	M30	49	45	70	14	9	5.5		
CHH - 6275DA - Ratio	180	330	45	25	15	M30	52	45	70	14	9	5.5		

Note: 4. Refer to pages F-28~30 for details on input and output shaft end dimensions.

5. Dimensions in above drawings are subject to change without notice.

Dimension Tables Speed Reducer (Universal Direction, Flange Mount)

CNF - 606□ to 612□



Frame size Note: 1	L	G	D1	D2	D3 Note: 4	DC	Q	Z	M	N	d	α°	W [kg]
606□	145	68	110	98	80	110	M6	24	4	6	6.6	60	3
607□	151	74	110	98	80	110	M6	24	4	6	6.6	60	3
608□	178	91	134	118	95	134	M8	27	5	8	9	22.5	8
609□	202	114	150	134	105	150	M8	26	6	8	9	22.5	8.5
610□	208	114	150	134	105	150	M8	27	6	8	9	22.5	9.5
611□	218	118	162	146	115	162	M8	28	6	8	9	22.5	11
612□	259	139	200	180	140	204	M10	30	14	6	11	60	20

Model Note: 1	Output Shaft Note: 2, 3, 5								Input Shaft Note: 2, 3, 5				
	d1	L1	b1	h1	t1	S1	m1		d2	L2	b2	h2	t2
CNF - 606□ - Ratio	14	25	5	5	3	M5	16		12	25	4	4	2.5
CNF - 607□ - Ratio	18	30	6	6	3.5	M6	16		12	25	4	4	2.5
CNF - 608□ - Ratio	22	35	6	6	3.5	M6	16		12	25	4	4	2.5
CNF - 609□ - Ratio	28	35	8	7	4	M8	20		15	25	5	5	3
CNF - 610□ - Ratio	28	35	8	7	4	M8	20		15	25	5	5	3
CNF - 611□ - Ratio	32	45	10	8	5	M8	20		15	25	5	5	3
CNF - 612□ - Ratio	38	55	10	8	5	M8	20		18	35	6	6	3.5

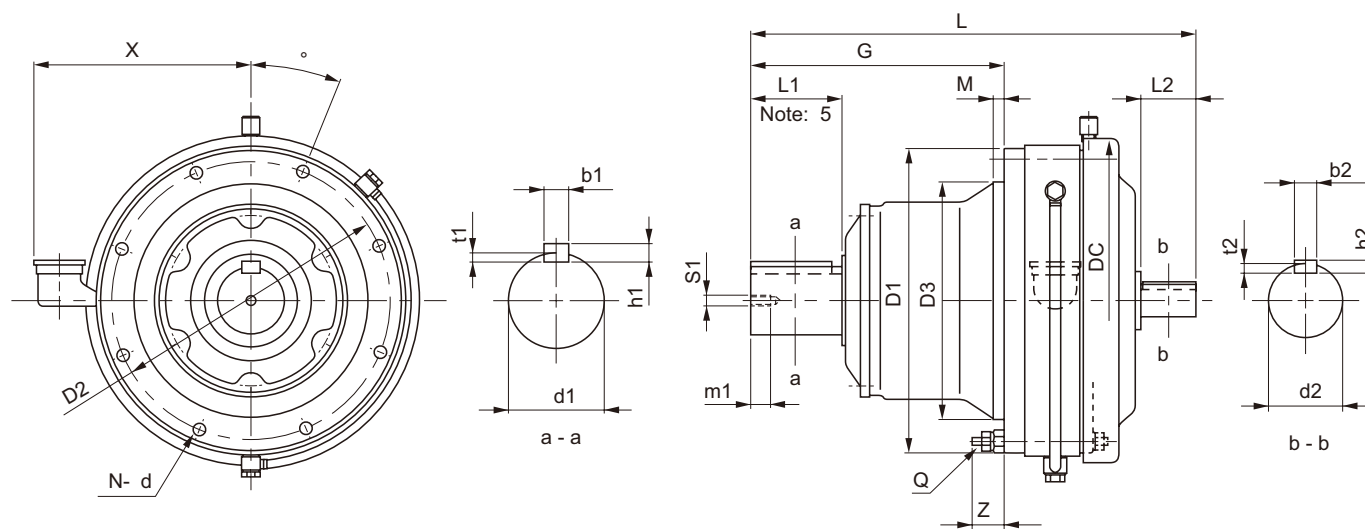
Note: 1. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Speed Reducer (Horizontal Direction, Flange Mount)

CHF - 613□ to 6265



Frame size Note: 1	L	G	D1	D2	D3 Note: 4	DC	Q	Z	M	N	d	α°	x	W [kg]
613□	321	178	226	205	165	230	M10	31	16	6	11	60	208	36
614□	341	198	226	205	165	230	M10	31	16	6	11	60	208	37
616□	413	222	296	270	200	318	M12	35	10	6	14	30	228	66
617□	477	262	330	300	250	362	M12	41	12	8	14	22.5	243	96
618□	527	299	360	330	280	390	M12	38	12	8	14	22.5	258	131
619□	620	365	420	380	320	451	M12	43	10	12	14	15	285	195
6205	678	410	443	405	360	471	M16	57	20	12	18	15	-	213
6215	708	423	480	440	390	507	M18	57	20	12	20.5	15	-	292
6225	752	454	521	475	420	549	M20	65	20	12	22	15	-	347
6235	839	505	557	510	455	591	M20	68	20	12	22	15	-	428
6245	877	529	615	560	500	637	M24	65	25	12	27	15	-	538
6255	1040	616	666	610	540	703	M24	88	30	12	27	15	-	794
6265	1150	712	730	660	570	772	M30	82	40	12	34	15	-	1020

Model Note: 1						Output Shaft Note: 2, 3, 5						Input Shaft Note: 2, 3, 5					
						d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
CHF	-	613	□	-	Ratio	50	70	14	9	5.5	M10	18	22	40	6	6	3.5
CHF	-	614	□	-	Ratio	50	90	14	9	5.5	M10	18	22	40	6	6	3.5
CHF	-	616	□	-	Ratio	60	90	18	11	7	M10	18	30	45	8	7	4
CHF	-	617	□	-	Ratio	70	90	20	12	7.5	M12	24	35	55	10	8	5
CHF	-	618	□	-	Ratio	80	110	22	14	9	M12	24	40	65	12	8	5
CHF	-	619	□	-	Ratio	95	135	25	14	9	M20	34	45	70	14	9	5.5
CHF	-	6205	-	-	Ratio	100	165	28	16	10	M20	34	45	82	14	9	5.5
CHF	-	6215	-	-	Ratio	110	165	28	16	10	M20	34	50	82	14	9	5.5
CHF	-	6225	-	-	Ratio	120	165	32	18	11	M20	34	55	82	16	10	6
CHF	-	6235	-	-	Ratio	130	200	32	18	11	M24	41	60	105	18	11	7
CHF	-	6245	-	-	Ratio	140	200	36	20	12	M24	41	65	105	18	11	7
CHF	-	6255	-	-	Ratio	160	240	40	22	13	M30	49	80	130	22	14	9
CHF	-	6265	-	-	Ratio	170	300	40	22	13	M30	49	80	130	22	14	9

Note: 4. Pilot diameter (φD3): Dimension tolerance conforms to JIS B 0401-1976 "g6."

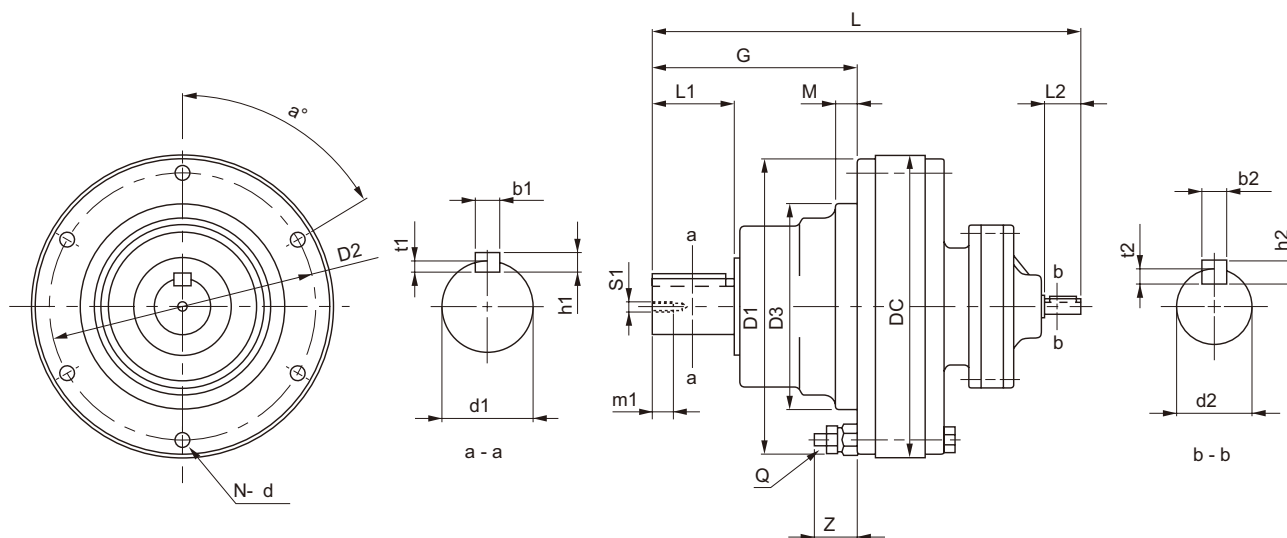
5. Output shaft length differs from the values in the above table for vertical output shaft down (CVF) type. Refer to pages F-28~30 for details on input and output shaft end dimensions.

6. Dimensions in above drawings are subject to change without notice.

Dimension Tables Speed Reducer (Universal Direction, Flange Mount)

CNF - 606□DA to 612□DB

REDUCERS

Dimension Tables
CNF

Frame size Note: 1	L	G	D1	D2	D3 Note: 4	DC	Q	Z	M	N	d	α°	W [kg]
606□DA	178	68	110	98	80	110	M6	26	4	6	6.6	60	4.5
607□DA	184	74	110	98	80	110	M6	26	4	6	6.6	60	4.5
609□DA	243	114	150	134	105	150	M8	26	6	8	9	22.5	10
610□DA	257	114	150	134	105	150	M8	27	6	8	9	22.5	12
612□DA	293	139	200	180	140	204	M10	30	14	6	11	60	22
612□DB	312	139	200	180	140	204	M10	30	14	6	11	60	25

Model Note: 1	Output Shaft Note: 2, 3, 5							Input Shaft Note: 2, 3, 5				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
CNF - 606□DA - Ratio	14	25	5	5	3	M5	16	12	25	4	4	2.5
CNF - 607□DA - Ratio	18	30	6	6	3.5	M6	16	12	25	4	4	2.5
CNF - 609□DA - Ratio	28	35	8	7	4	M8	20	12	25	4	4	2.5
CNF - 610□DA - Ratio	28	35	8	7	4	M8	20	12	25	4	4	2.5
CNF - 612□DA - Ratio	38	55	10	8	5	M8	20	12	25	4	4	2.5
CNF - 612□DB - Ratio	38	55	10	8	5	M8	20	15	25	5	5	3

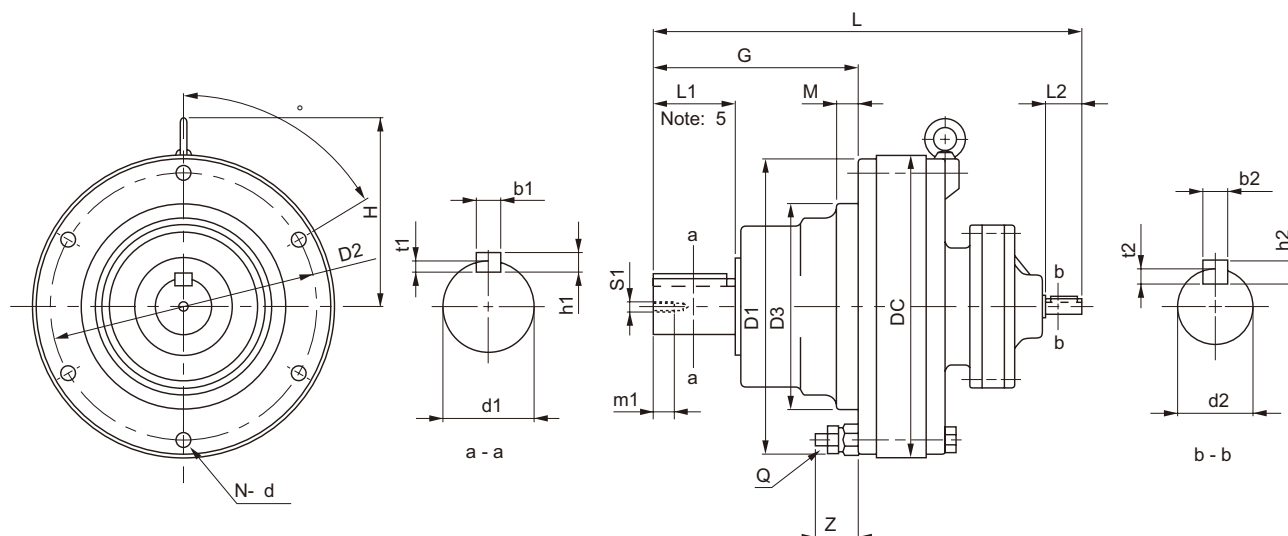
Note: 1. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Speed Reducer (Universal Direction, Flange Mount)

CHF - 613□DA to 618□DA



Frame size Note: 1	L	G	D1	D2	D3 Note: 4	DC	H	Q	Z	M	N	d	α°	W [kg]
613□DA	347	178	226	205	165	230	150	M10	31	16	6	11	60	36
613□DB	363	178	226	205	165	230	150	M10	31	16	6	11	60	39
613□DC	369	178	226	205	165	230	150	M10	31	16	6	11	60	40
614□DA	367	198	226	205	165	230	150	M10	31	16	6	11	60	36
614□DB	383	198	226	205	165	230	150	M10	31	16	6	11	60	39
614□DC	389	198	226	205	165	230	150	M10	31	16	6	11	60	40
616□DA	433	222	296	270	200	300	189	M12	35	10	6	14	30	68
616□DB	439	222	296	270	200	300	189	M12	35	10	6	14	30	70
617□DA	478	262	330	300	250	340	216	M12	41	12	8	14	22.5	93
617□DB	484	262	330	300	250	340	216	M12	41	12	8	14	22.5	95
618□DA	526	299	360	330	280	370	231	M12	38	12	8	14	22.5	129

Model				Output Shaft								Input Shaft				
				Note: 2, 3, 5								Note: 2, 3, 5				
Note: 1				d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2	
CHF	-	613	DA - Ratio	50	70	14	9	5.5	M10	18	12	25	4	4	2.5	
CHF	-	613	DB - Ratio	50	70	14	9	5.5	M10	18	15	25	5	5	3	
CHF	-	613	DC - Ratio	50	70	14	9	5.5	M10	18	15	25	5	5	3	
CHF	-	614	DA - Ratio	50	90	14	9	5.5	M10	18	12	25	4	4	2.5	
CHF	-	614	DB - Ratio	50	90	14	9	5.5	M10	18	15	25	5	5	3	
CHF	-	614	DC - Ratio	50	90	14	9	5.5	M10	18	15	25	5	5	3	
CHF	-	616	DA - Ratio	60	90	18	11	7	M10	18	15	25	5	5	3	
CHF	-	616	DB - Ratio	60	90	18	11	7	M10	18	15	25	5	5	3	
CHF	-	617	DA - Ratio	70	90	20	12	7.5	M12	24	15	25	5	5	3	
CHF	-	617	DB - Ratio	70	90	20	12	7.5	M12	24	15	25	5	5	3	
CHF	-	618	DA - Ratio	80	110	22	14	9	M12	24	15	25	5	5	3	

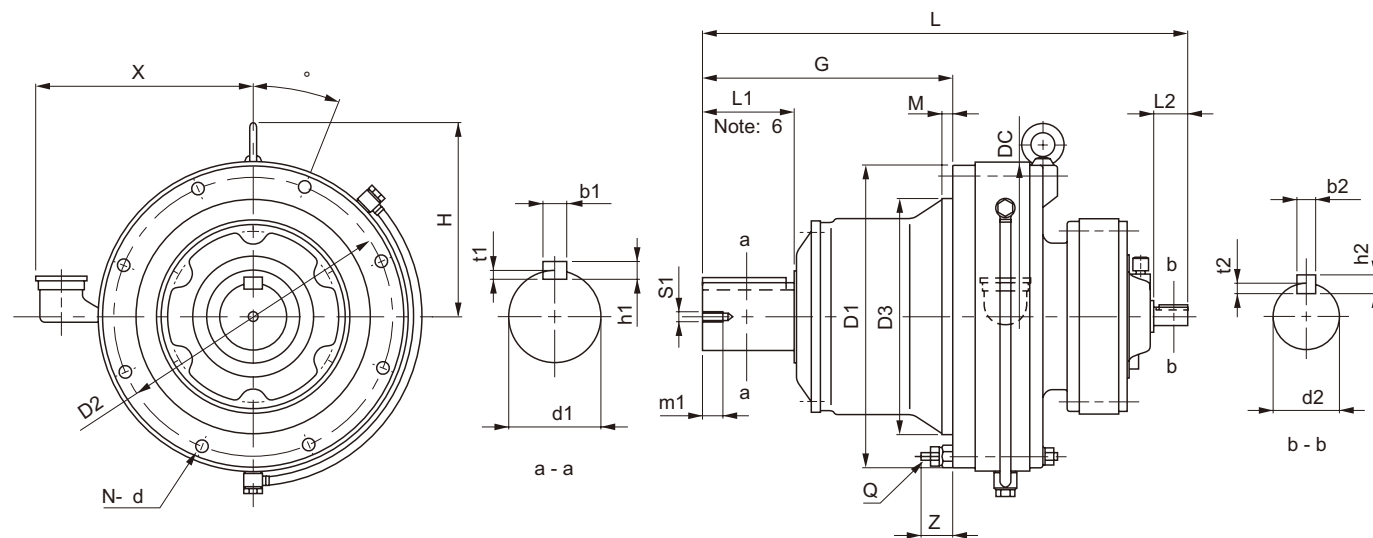
Note: 4. Pilot diameter ($\phi D3$): Dimension tolerance conforms to JIS B 0401-1976 "g6."

5. Output shaft length differs from the values in the above table for vertical output shaft down (CVF) type. Refer to pages F-28~30 for details on input and output shaft end dimensions.

6. Dimensions in above drawings are subject to change without notice.

Dimension Tables Speed Reducer (Horizontal Direction, Flange Mount)

CHF - 616□DC to 6265DA



Frame size Note: 1	L	G	D1	D2	D3 Note: 4	DC	H	Q	Z	M	N	d	α°	x	W [kg]
616□DC	462	222	296	270	200	300	189	M12	35	10	6	14	30	228	82
617□DC	509	262	330	300	250	340	216	M12	41	12	8	14	22.5	243	105
618□DB	577	299	360	330	280	370	231	M12	38	12	8	14	22.5	258	146
619□DA	629	365	420	380	320	430	281	M12	43	10	12	14	15	285	201
619□DB	653	365	420	380	320	430	281	M12	43	10	12	14	15	285	205
6205DA	670	410	443	405	360	448	283	M16	57	20	12	18	15	-	217
6205DB	705	410	443	405	360	448	283	M16	57	20	12	18	15	-	227
6215DA	731	423	480	440	390	485	312	M18	57	20	12	20.5	15	-	306
6215DB	780	423	480	440	390	485	312	M18	57	20	12	20.5	15	-	328
6225DA	773	454	521	475	420	526	333	M20	65	20	12	22	15	-	357
6225DB	860	454	521	475	420	526	333	M20	65	20	12	22	15	-	404
6235DA	883	505	557	510	455	562	351	M20	68	20	12	22	15	-	468
6235DB	938	505	557	510	455	562	351	M20	68	20	12	22	15	-	500
6245DA	921	529	615	560	500	614	395	M24	65	25	12	27	15	-	574
6245DB	975	529	615	560	500	614	395	M24	65	25	12	27	15	-	603
6255DA	1081	616	666	610	540	670	386	M24	88	30	12	27	15	-	847
6255DB	1133	616	666	610	540	670	386	M24	88	30	12	27	15	-	926
6265DA	1243	712	730	660	570	736	453	M30	82	40	12	34	15	-	1170

Model		Output Shaft									Input Shaft				
		Note: 2, 3, 6									Note: 2, 3, 6				
Note: 1		d1	L1	b1	h1	t1	S1	m1		d2	L2	b2	h2	t2	
CHF	- 616□DC - Ratio	60	90	18	11	7	M10	18		18	35	6	6	3.5	
CHF	- 617□DC - Ratio	70	90	20	12	7.5	M12	24		18	35	6	6	3.5	
CHF	- 618□DB - Ratio	80	110	22	14	9	M12	24		22	40	6	6	3.5	
CHF	- 619□DA - Ratio	95	135	25	14	9	M20	34		18	35	6	6	3.5	
CHF	- 619□DB - Ratio	95	135	25	14	9	M20	34		22	40	6	6	3.5	
CHF	- 6205DA - Ratio	100	165	28	16	10	M20	34		18	35	6	6	3.5	
CHF	- 6205DB - Ratio	100	165	28	16	10	M20	34		22	40	6	6	3.5	
CHF	- 6215DA - Ratio	110	165	28	16	10	M20	34		22	40	6	6	3.5	
CHF	- 6215DB - Ratio	110	165	28	16	10	M20	34		30	45	8	7	4	
CHF	- 6225DA - Ratio	120	165	32	18	11	M20	34		22	40	6	6	3.5	
CHF	- 6225DB - Ratio	120	165	32	18	11	M20	34		35	55	10	8	5	
CHF	- 6235DA - Ratio	130	200	32	18	11	M24	41		30	45	8	7	4	
CHF	- 6235DB - Ratio	130	200	32	18	11	M24	41		40	65	12	8	5	
CHF	- 6245DA - Ratio	140	200	36	20	12	M24	41		30	45	8	7	4	
CHF	- 6245DB - Ratio	140	200	36	20	12	M24	41		40	65	12	8	5	
CHF	- 6255DA - Ratio	160	240	40	22	13	M30	49		35	55	10	8	5	
CHF	- 6255DB - Ratio	160	240	40	22	13	M30	49		45	70	14	9	5.5	
CHF	- 6265DA - Ratio	170	300	40	22	13	M30	49		45	70	14	9	5.5	

Note: 1. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

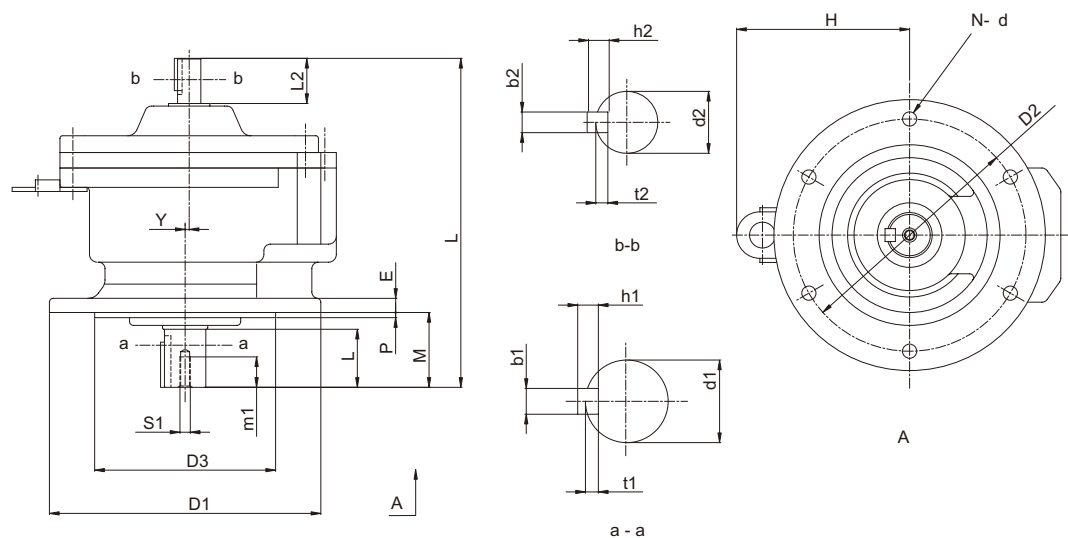
3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

4. Pilot diameter (φD3) of CHF type: Dimension tolerance conforms to JIS B 0401-1976 "g6."

5. Pilot diameter (φD3) of CVV type: Dimension tolerance conforms to JIS B 0401-1976 "f8."

Dimension Tables Speed Reducer (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVV - 607□SK to 611□SK



Frame size Note: 1	L	D1	D2	D3 Note: 5	H	M	E	P	Y	N	d	W [kg]
607□SK	168	160	134	110	-	42	9	3	0	4	11	6
608□SK	200	160	134	110	-	48	9	3	0	4	11	7
609□SK	218	160	134	110	-	48	9	3	0	4	11	9
610□SK	218	160	134	110	116	48	9	3	0	4	11	10
611□SK	255	210	180	140	134	58	11	4	3	6	11	22

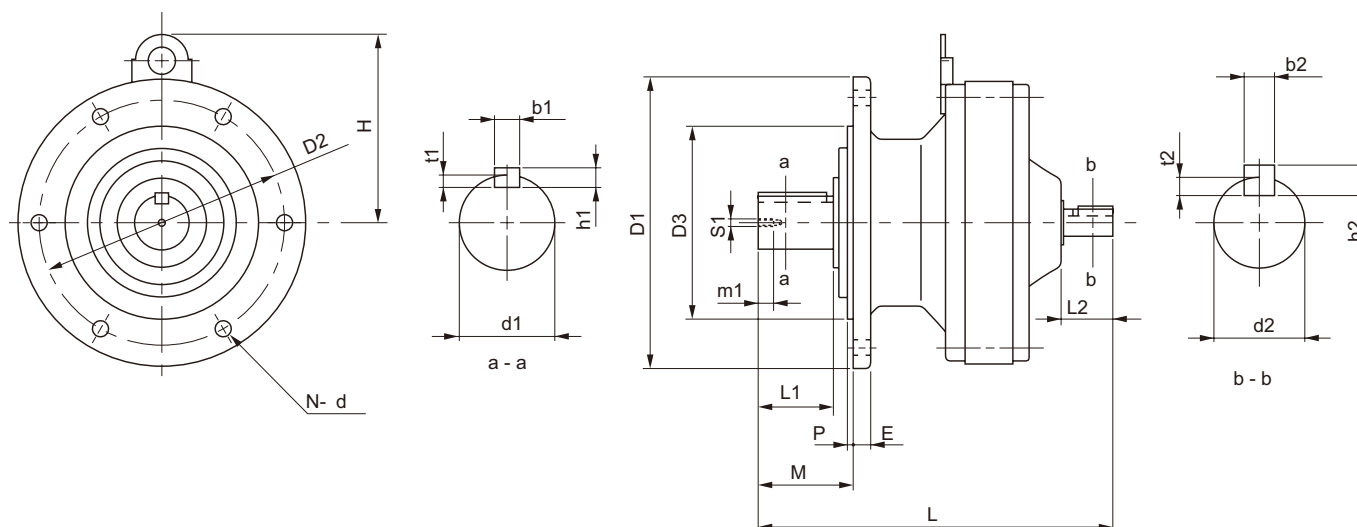
Model Note: 1	Output Shaft Note: 2, 3							Input Shaft Note: 2, 3				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
CVV - 607□SK - Ratio	18	30	6	6	3.5	M6	16	12	25	4	4	2.5
CVV - 608□SK - Ratio	22	35	6	6	3.5	M6	16	15	25	5	5	3
CVV - 609□SK - Ratio	28	35	8	7	4	M8	20	15	25	5	5	3
CVV - 610□SK - Ratio	28	35	8	7	4	M8	20	15	25	5	5	3
CVV - 611□SK - Ratio	32	45	10	8	5	M8	20	18	35	6	6	3.5

Note: 6. Output shaft length differs from the values in the above table for vertical output shaft down (CVF) type. Refer to pages F-28~30 for details on input and output shaft end dimensions.

7. Dimensions in above drawings are subject to change without notice.

Dimension Tables Speed Reducer (Universal Direction, V-Flange Mount)

CNV - 606□ to 612□



Frame size Note: 1	L	D1	D2	D3 Note: 4	H	M	E	P	N	d	W [kg]
606□	145	120	102	80	-	34	8	3	6	9	3.5
607□	151	160	134	110	-	42	9	3	4	11	4.5
608□	179	160	134	110	-	48	9	3	4	11	8
609□	202	160	134	110	107	48	9	3	4	11	9
610□	208	160	134	110	107	48	9	3	4	11	11
611□	218	210	180	140	116	58	11	4	6	11	13
612□	259	210	180	140	137	69	13	4	6	11	23

Model Note: 1		Output Shaft Note: 2, 3								Input Shaft Note: 2, 3				
		d1	L1	b1	h1	t1	S1	m1		d2	L2	b2	h2	t2
CNV -	606□ - Ratio	14	25	5	5	3	M5	16		12	25	4	4	2.5
CNV -	607□ - Ratio	18	30	6	6	3.5	M6	16		12	25	4	4	2.5
CNV -	608□ - Ratio	22	35	6	6	3.5	M6	16		12	25	4	4	2.5
CNV -	609□ - Ratio	28	35	8	7	4	M8	20		15	25	5	5	3
CNV -	610□ - Ratio	28	35	8	7	4	M8	20		15	25	5	5	3
CNV -	611□ - Ratio	32	45	10	8	5	M8	20		15	25	5	5	3
CNV -	612□ - Ratio	38	55	10	8	5	M8	20		18	35	6	6	3.5

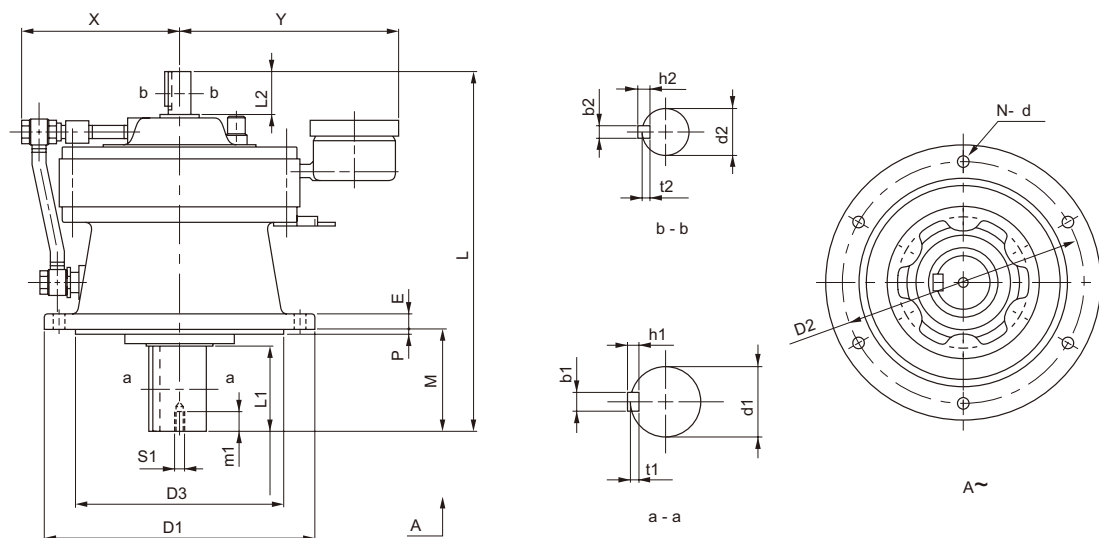
Note: 1. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Speed Reducer (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVV - 613□ to 614□



Frame size Note: 1	L	D1	D2	D3 Note: 4	M	E	P	N	d	X	Y	W [kg]
613□	321	260	230	200	76	15	4	6	11	152	233	42
614□	341	260	230	200	96	15	4	6	11	152	233	43

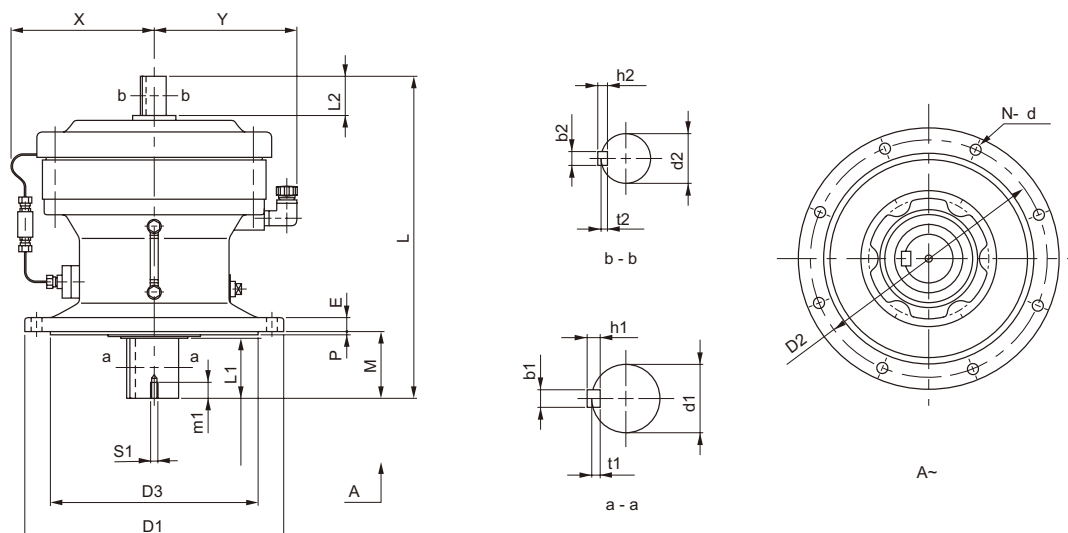
Model Note: 1						Output Shaft Note: 2, 3						Input Shaft Note: 2, 3					
						d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
CVV	-	613		-	Ratio	50	61	14	9	5.5	M10	18	22	40	6	6	3.5
CVV	-	614		-	Ratio	50	81	14	9	5.5	M10	18	22	40	6	6	3.5

Note: 4. Pilot diameter ($\phi D3$): Dimension tolerance conforms to JIS B 0401-1976 "f8."

5. Dimensions in above drawings are subject to change without notice.

Dimension Tables Speed Reducer (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVV - 616□ to 6275



Frame size Note: 1	L	D1	D2	D3 Note: 4	M	E	P	N	d	X	Y	W [kg]
616□	413	340	310	270	89	20	4	6	11	217	200	79
617□	477	400	360	316	94	22	5	8	14	222	225	125
618□	527	430	390	345	110	22	5	8	18	237	240	150
619	620	490	450	400	145	30	6	12	18	265	270	225
6205	678	455	405	355	204	30	5	8	22	341	287	243
6215	708	490	440	390	203	35	7	8	24	348	306	314
6225	752	535	475	415	210	35	10	8	27	352	326	396
6235	839	570	510	450	250	40	10	8	27	359	344	474
6245	877	635	560	485	250	40	10	8	33	370	371	568
6255	1040	685	610	535	295	45	10	8	33	426	399	865
6265	1150	750	660	570	360	50	10	8	39	460	431	1125
6275	1462	1160	1020	900	355	60	10	8	39	610	613	2610

Model Note: 1	Output Shaft Note: 2, 3							Input Shaft Note: 2, 3				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
CVV - 616□ - Ratio	60	80	18	11	7	M10	18	30	45	8	7	4
CVV - 617□ - Ratio	70	84	20	12	7.5	M12	24	35	55	10	8	5
CVV - 618□ - Ratio	80	100	22	14	9	M12	24	40	65	12	8	5
CVV - 619 - Ratio	95	125	25	14	9	M20	34	45	70	14	9	5.5
CVV - 6205 - Ratio	100	165	28	16	10	M20	34	45	82	14	9	5.5
CVV - 6215 - Ratio	110	165	28	16	10	M20	34	50	82	14	9	5.5
CVV - 6225 - Ratio	120	165	32	18	11	M20	34	55	82	16	10	6
CVV - 6235 - Ratio	130	200	32	18	11	M24	41	60	105	18	11	7
CVV - 6245 - Ratio	140	200	36	20	12	M24	41	65	105	18	11	7
CVV - 6255 - Ratio	160	240	40	22	13	M30	49	80	130	22	14	9
CVV - 6265 - Ratio	170	300	40	22	13	M30	49	80	130	22	14	9
CVV - 6275 - Ratio	180	320	45	25	15	M30	52	90	150	25	14	9

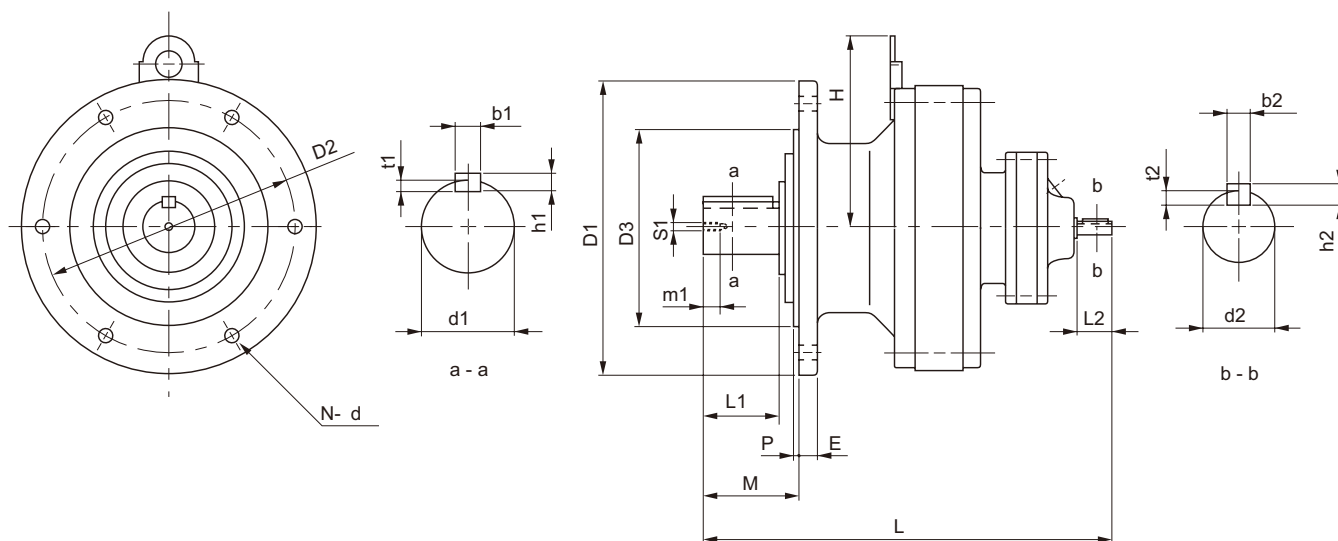
Note: 1. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Speed Reducer (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CNV - 606□DA to 612□DB



Frame size Note: 1	L	D1	D2	D3 Note: 4	H	M	E	P	N	d	W [kg]
606□DA	178	120	102	80	-	34	8	3	6	9	5.0
607□DA	184	160	134	110	-	42	9	3	4	11	6.7
609□DA	243	160	134	110	107	48	9	3	4	11	11
610□DA	257	160	134	110	107	48	9	3	4	11	13
612□DA	293	210	180	140	137	69	13	4	6	11	25
612□DB	312	210	180	140	137	69	13	4	6	11	29

Model Note: 1	Output Shaft Note: 2, 3							Input Shaft Note: 2, 3				
	d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2
CNV - 606□DA - Ratio	14	25	5	5	3	M5	16	12	25	4	4	2.5
CNV - 607□DA - Ratio	18	30	6	6	3.5	M6	16	12	25	4	4	2.5
CNV - 609□DA - Ratio	28	35	8	7	4	M8	20	12	25	4	4	2.5
CNV - 610□DA - Ratio	28	35	8	7	4	M8	20	12	25	4	4	2.5
CNV - 612□DA - Ratio	38	55	10	8	5	M8	20	12	25	4	4	2.5
CNV - 612□DB - Ratio	38	55	10	8	5	M8	20	15	25	5	5	3

Note: 4. Pilot diameter ($\phi D3$): Dimension tolerance conforms to JIS B 0401-1976 "f8."

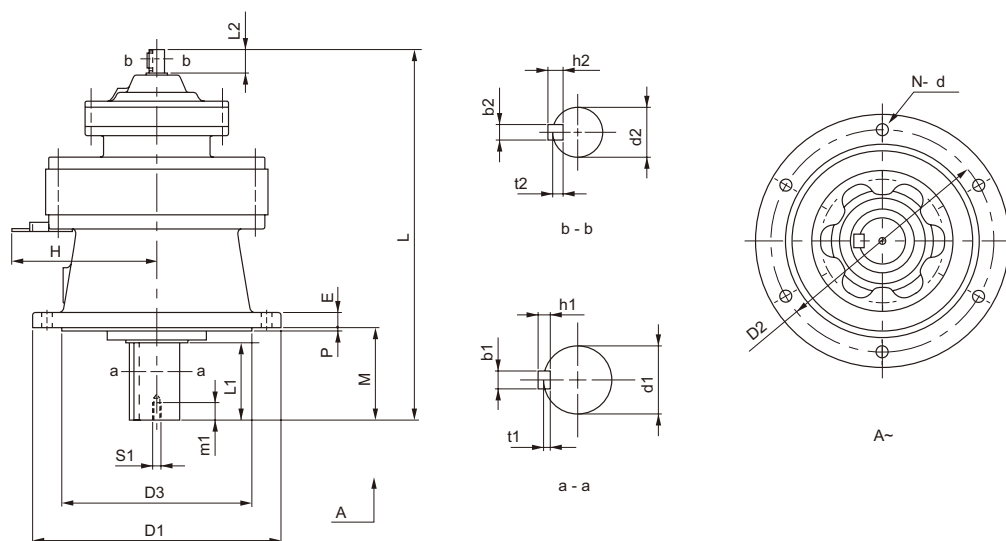
5. Dimensions in above drawings are subject to change without notice.

REDUCERS

Dimension Tables
CNV

Dimension Tables Speed Reducer (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVV - 613□DA to 618□DA



Frame size Note: 1	L	D1	D2	D3 Note: 4	M	E	P	N	d	H	W [kg]
613□DA	347	260	230	200	76	15	4	6	11	150	40
613□DB	363	260	230	200	76	15	4	6	11	150	43
613□DC	369	260	230	200	76	15	4	6	11	-	44
614□DA	367	260	230	200	96	15	4	6	11	150	40
614□DB	383	260	230	200	96	15	4	6	11	150	43
614□DC	389	260	230	200	96	15	4	6	11	-	44
616□DA	433	340	310	270	89	20	4	6	11	-	80
616□DB	439	340	310	270	89	20	4	6	11	-	82
617□DA	478	400	360	316	94	22	5	8	14	-	115
617□DB	484	400	360	316	94	22	5	8	14	-	117
618□DA	526	430	390	345	110	22	5	8	18	-	149

Model		Output Shaft									Input Shaft				
		d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2		
CVV	- 613□DA - Ratio	50	61	14	9	5.5	M10	18	12	25	4	4	2.5		
CVV	- 613□DB - Ratio	50	61	14	9	5.5	M10	18	15	25	5	5	3		
CVV	- 613□DC - Ratio	50	61	14	9	5.5	M10	18	15	25	5	5	3		
CVV	- 614□DA - Ratio	50	81	14	9	5.5	M10	18	12	25	4	4	2.5		
CVV	- 614□DB - Ratio	50	81	14	9	5.5	M10	18	15	25	5	5	3		
CVV	- 614□DC - Ratio	50	81	14	9	5.5	M10	18	15	25	5	5	3		
CVV	- 616□DA - Ratio	60	80	18	11	7	M10	18	15	25	5	5	3		
CVV	- 616□DB - Ratio	60	80	18	11	7	M10	18	15	25	5	5	3		
CVV	- 617□DA - Ratio	70	84	20	12	7.5	M12	24	15	25	5	5	3		
CVV	- 617□DB - Ratio	70	84	20	12	7.5	M12	24	15	25	5	5	3		
CVV	- 618□DA - Ratio	80	100	22	14	9	M12	24	15	25	5	5	3		

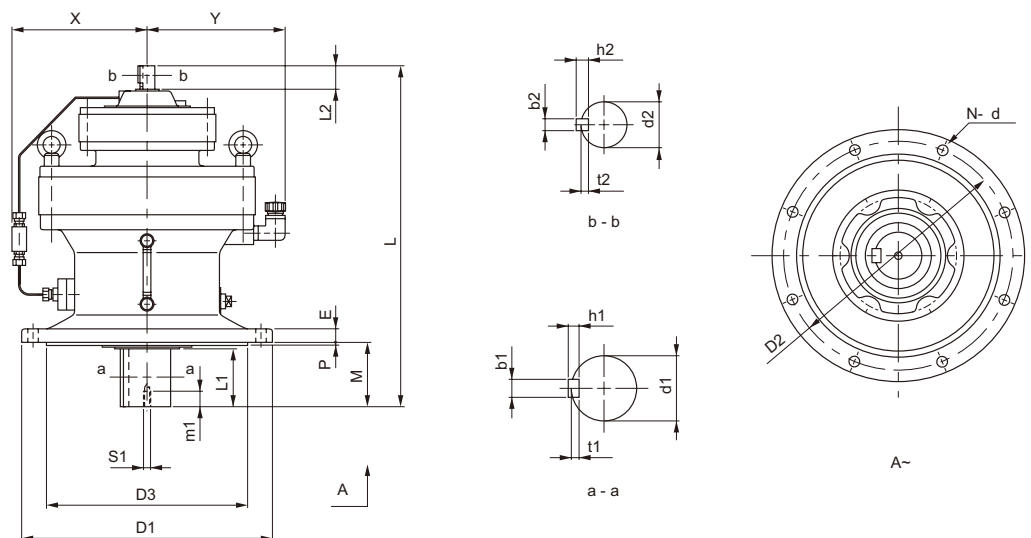
Note: 1. □ indicates 0 or 5, expressing combination with reduction ratio. Refer to the Selection Table for details.

2. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

3. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

Dimension Tables Speed Reducer (Vertical, Slow Speed Shaft Down, V-Flange Mount)

CVV - 616□DC to 6275DA



Frame size Note: 1	L	D1	D2	D3 Note: 4	M	E	P	N	d	X	Y	W [kg]
616□DC	462	340	310	270	89	20	4	6	11	196	200	90
617□DC	509	400	360	316	94	22	5	8	14	218	225	125
618□DB	577	430	390	345	110	22	5	8	18	233	240	171
619□DA	629	490	450	400	145	30	6	12	18	255	270	229
619□DB	653	490	450	400	145	30	6	12	18	255	270	240
6205DA	670	455	405	355	204	30	5	8	22	341	287	246
6205DB	705	455	405	355	204	30	5	8	22	341	287	258
6215DA	731	490	440	390	203	35	7	8	24	348	306	333
6215DB	780	490	440	390	203	35	7	8	24	348	306	355
6225DA	773	535	475	415	210	35	10	8	27	352	326	408
6225DB	860	535	475	415	210	35	10	8	27	352	326	455
6235DA	883	570	510	450	250	40	10	8	27	359	344	510
6235DB	938	570	510	450	250	40	10	8	27	359	344	544
6245DA	921	635	560	485	250	40	10	8	33	370	371	604
6245DB	975	635	560	485	250	40	10	8	33	370	371	633
6255DA	1081	685	610	535	295	45	10	8	33	395	399	925
6255DB	1133	685	610	535	295	45	10	8	33	395	399	993
6265DA	1243	750	660	570	360	50	10	8	39	427	431	1265
6275DA	1504	1160	1020	900	355	60	10	8	39	610	613	2660

Model		Output Shaft									Input Shaft				
		d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2		
CVV	- 616□DC - Ratio	60	80	18	11	7	M10	18	18	35	6	6	3.5		
CVV	- 617□DC - Ratio	70	84	20	12	7.5	M12	24	18	35	6	6	3.5		
CVV	- 618□DB - Ratio	80	100	22	14	9	M12	24	22	40	6	6	3.5		
CVV	- 619□DA - Ratio	95	125	25	14	9	M20	34	18	35	6	6	3.5		
CVV	- 619□DB - Ratio	95	125	25	14	9	M20	34	22	40	6	6	3.5		
CVV	- 6205DA - Ratio	100	165	28	16	10	M20	34	18	35	6	6	3.5		
CVV	- 6205DB - Ratio	100	165	28	16	10	M20	34	22	40	6	6	3.5		
CVV	- 6215DA - Ratio	110	165	28	16	10	M20	34	22	40	6	6	3.5		
CVV	- 6215DB - Ratio	110	165	28	16	10	M20	34	30	45	8	7	4		
CVV	- 6225DA - Ratio	120	165	32	18	11	M20	34	22	40	6	6	3.5		
CVV	- 6225DB - Ratio	120	165	32	18	11	M20	34	35	55	10	8	5		
CVV	- 6235DA - Ratio	130	200	32	18	11	M24	41	30	45	8	7	4		
CVV	- 6235DB - Ratio	130	200	32	18	11	M24	41	40	65	12	8	5		
CVV	- 6245DA - Ratio	140	200	36	20	12	M24	41	30	45	8	7	4		
CVV	- 6245DB - Ratio	140	200	36	20	12	M24	41	40	65	12	8	5		
CVV	- 6255DA - Ratio	160	240	40	22	13	M30	49	35	55	10	8	5		
CVV	- 6255DB - Ratio	160	240	40	22	13	M30	49	45	70	14	9	5.5		
CVV	- 6265DA - Ratio	170	300	40	22	13	M30	49	45	70	14	9	5.5		
CVV	- 6275DA - Ratio	180	320	45	25	15	M30	52	45	70	14	9	5.5		

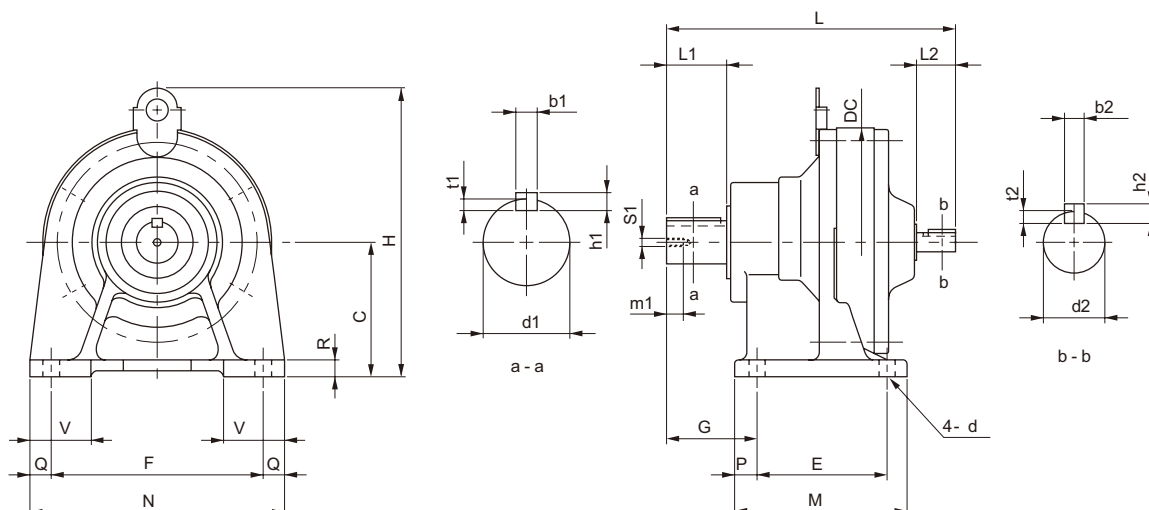
Note: 4. Pilot diameter ($\phi D3$): Dimension tolerance conforms to JIS B 0401-1976 "f8."

5. Dimensions in above drawings are subject to change without notice.

Dimension Tables Speed Reducer (Foot Mount, Center Height Option)

CNH - 610H, 612H

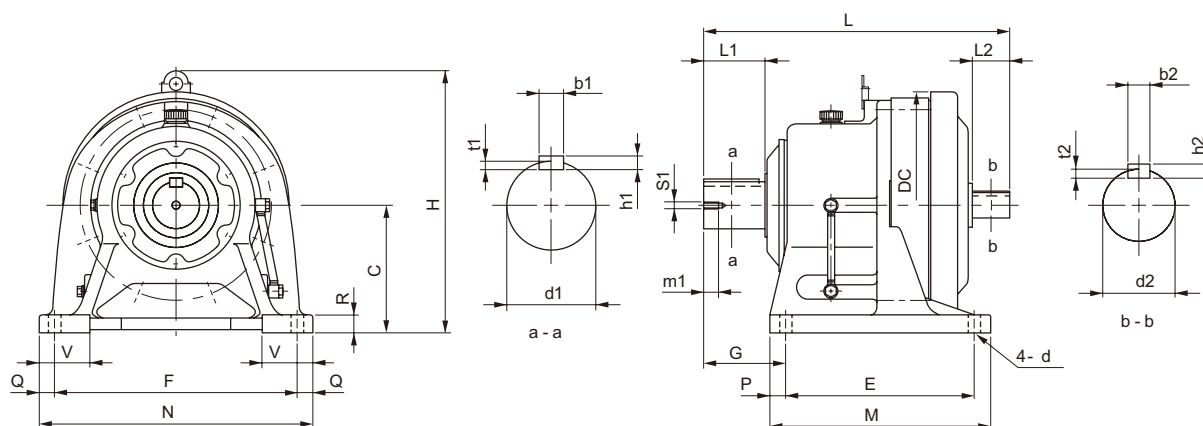
REDUCERS

Dimension Tables
Center Height Option

Frame size	L	C	DC	E	F	G	H	M	N	P	Q	R	V	d	W [kg]
610H	208	120	150	90	150	60	227	135	180	15	15	12	45	11	14
612H	259	140	204	115	190	82	277	155	230	20	20	15	60	14	25

Model					Output Shaft						Input Shaft				
					Note: 1, 2, 3						Note: 1, 2, 3				
d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2				
CHH - 610H - Ratio	28	35	8	7	4	M8	20	15	25	5	5	3			
CHH - 612H - Ratio	38	55	10	8	5	M8	20	18	35	6	6	3.5			

CNH - 614H, 616H



Frame size	L	C	DC	E	F	G	H	M	N	P	Q	R	V	d	W [kg]
614H	341	160	230	145	290	120	310	195	330	25	20	22	70	18	46
616H	413	200	318	150	370	139	407	238	410	44	20	25	80	18	89

Model					Output Shaft						Input Shaft				
					Note: 1, 2, 3						Note: 1, 2, 3				
d1	L1	b1	h1	t1	S1	m1	d2	L2	b2	h2	t2				
CHH - 614H - Ratio	50	90	14	9	5.5	M10 18	22	40	6	6	3.5				
CHH - 616H - Ratio	60	90	18	11	7	M10 18	30	45	8	7	4				

Note: 1. Dimension of shaft end diameter: Dimension tolerance conforms to JIS B 0401-1976 "h6."

2. Dimension of shaft end key: Dimension tolerance conforms to JIS B 1301-1996 "Parallel Key."

3. Refer to pages F-28~30 for details on input and output shaft end dimensions.

4. Dimensions in above drawings are subject to change without notice.