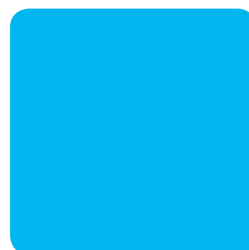
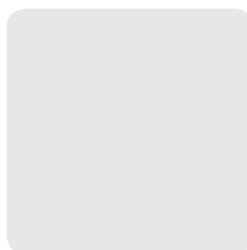
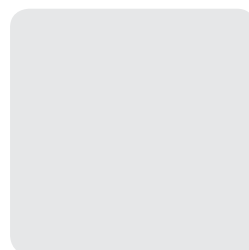


WE SERIES (IE2)

THREE PHASE HIGH EFFICIENCY
ASYNCHRONOUS MOTORS.



WONDER ELECTRIC MOTOR (S) PTE LTD

- *Energy Saving*
- *Low Noise*
- *Environmental Friendly*
- *IEC Dimension*
- *Low Vibration*
- *European Design*

WONDER[®]



CONTENT

PAGE

**WE SERIES (IE2) THREE PHASE HIGH EFFICIENCY
ASYNCHRONOUS CAST IRON MOTOR**

4

CONNECTION DIAGRAM AND PROTECTION - WE SERIES

5

TECHNICAL SPECIFICATIONS WE SERIES 50 HZ

6

TECHNICAL SPECIFICATIONS WE SERIES 60 HZ

10

TERMINAL BOX, BEARINGS AND VIBRATION - WE SERIES

14

MOUNTING AND OVERALL DIMENSIONS - WE SERIES

15

MOTOR SPARE PART LIST/DRAWING - WE SERIES

22



WE SERIES (IE2)

THREE PHASE HIGH
EFFICIENCY ASYNCHRONOUS
CAST IRON MOTORS



WE series three phase asynchronous motor is a complete newly designed high efficiency motor with cast iron housing. Its efficiency indicators are in compliance with IE2 and Australia MEPS2 (Level 1A).

Characteristics for all WONDER standard 3-Phase asynchronous motors

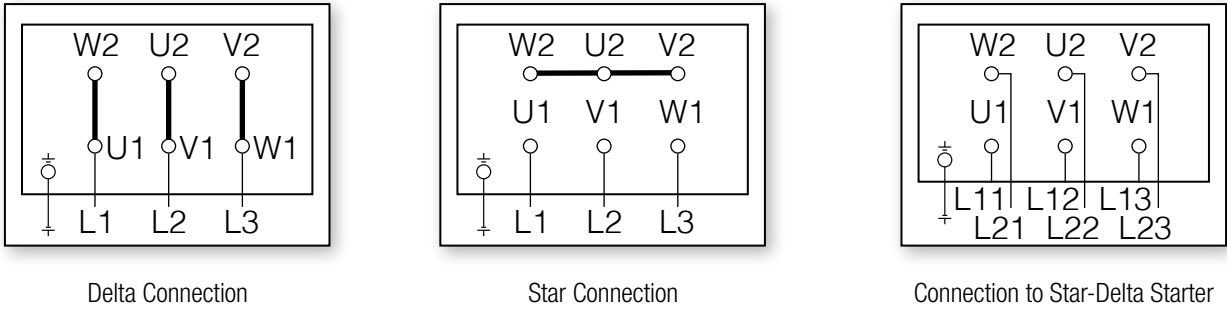
- Widely applied in general machinery and industries such as pumps & water treatment, road machinery, petroleum, chemical, metallurgy, cement and paper-milling
- IP55 protection, Class F Insulation, B Temperature rise, S1 duty
- Rated voltage 380V, 400V, 415V, 440V, 460V and 480V
- Rated frequency 50Hz and 60Hz
- Operation conditions: ambient temperature: -20°C ~ 40°C, altitude ≤ 1000m
- Y-connection for motors up to 3KW
- Δ connection for motors of 4KW and above
- Cooling method is IC411

Types	Basic type of construction		Derived types of construction			
SWE80-355	IM B3 IM 1001	IM V5 IM 1011	IM V6 IM 1031	IM B6 IM 1051	IM B7 IM 1061	IM B8 IM 1071
SWE80-355	IM B35 Im2001	IM V15 IM 2011	IM V36 IM 2031	IM 2051	IM 2061	IM 2071
SWE80-355	IM B5 IM 3001	IM V1 IM 3011	IM V6 IM 3031			
SWE80-132	IM B34 IM 2101	IM 2111	IM 2131	IM 2151	IM 2161	IM 2171
SWE80-132	IM B14 IM 3601	IM V18 IM 3611	IM V19 IM 3631			

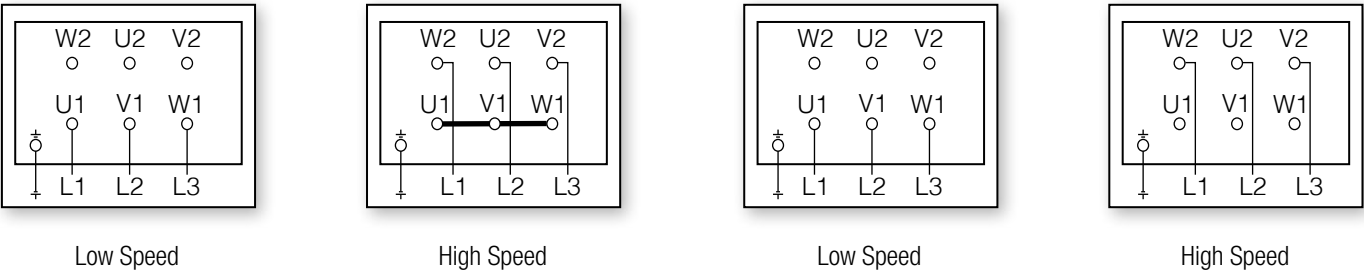
Basic types of construction may be used in all derived types of construction.
(*) not-defined mounting by IEC 60034-7.
1) For the types of construction IM V6, IM B6, IM B8 inquiry is necessary.

CONNECTION DIAGRAM AND PROTECTION

Connection Diagrams (Three Phase Motors with Cage Rotor)



Multi-speed motors in Dahlander connection (Tapped winding)



All motors comply to the international standard IEC60034-30; 2008. This standard specifies the Degree of Protection of each electric equipment, commonly known as the “IP” code. See table below:

Designation of Protection (IEC60034-5)

Designation	First Numeral	Second Numeral
	Protection against contact and ingress of foreign bodies. Protection against hazardous “Live” parts and moving mechanical parts.	Protection against water
	5. Ingress of dust is not totally prevented, but dust shall not interfere with the satisfactory operation of equipment. A probe of 1mm diameter shall not penetrate the enclosure.	5. Water projected in jets against the enclosure from any direction will have no harmful effects.
	6. No ingress of dust.	6. Water projected in power jets shall have no harmful effects.
IP55	Dust protected	Jetting water
IP56	Dust protected	Powerful jetting
IP65	Dust tight	Jetting water
IP66	Dust tight	Powerful jetting

* Data are subjected to revisions without any prior notice.



* Data are subjected to revisions without any prior notice.

WE SERIES 2 Poles 50Hz

TECHNICAL SPECIFICATIONS

Motor Type	Rated Power		Current (IFL) /A			Rated Speed	Full load Efficiency	Full Load Power Factor	IST/ IFL	TST/ TFL	TM/ TFL	TFL	Sound LP	Moment of Inertia J	Weight
2 Poles 50Hz	KW	HP	380V	400V	415V	r/min	%	cos ϕ	Ratio			N.M	dB(A)	Kgm²	Kg
WE6312	0.18	0.25	0.54	0.51	0.49	2750	71.0	0.72	5.0	2.8	3	0.6	52	0.0005	7.6
WE6322	0.25	0.33	0.73	0.69	0.67	2750	72.0	0.73	5.2	3.0	3.2	0.9	52	0.0007	8.2
WE7112	0.37	0.5	0.93	0.88	0.85	2820	75.0	0.81	5.5	3.1	3.2	1.3	56	0.0008	12
WE7122	0.55	0.75	1.33	1.26	1.21	2820	76.0	0.83	6.0	3.3	3.5	1.9	56	0.0009	13
WE8012	0.75	1	1.88	1.79	1.73	2875	77.4	0.78	6.5	3.6	4	2.5	60	0.0011	17
WE8022	1.1	1.5	2.65	2.52	2.43	2875	79.6	0.79	6.6	3.7	3.9	3.7	60	0.0013	18
WE90S2	1.5	2	3.18	3.02	2.91	2900	81.3	0.88	6.6	2.1	2.9	4.9	60	0.0018	23
WE90L2	2.2	3	4.52	4.29	4.13	2900	83.2	0.89	7.0	2.3	2.9	7.2	59	0.0022	26
WE100L2	3	4	5.98	5.68	5.47	2900	84.6	0.90	8.0	2.5	4	9.9	63	0.0042	34
WE112M2	4	5.5	7.96	7.56	7.29	2920	85.8	0.89	6.9	2.2	3	13.1	63	0.0065	41
WE132S1-2	5.5	7.5	10.8	10.3	9.93	2925	87.0	0.89	8.2	2.2	3.5	18.0	66	0.0145	60
WE132S2-2	7.5	10	14.5	13.8	13.3	2925	88.1	0.89	8.3	2.3	3.4	24.5	66	0.0156	63
WE160M1-2	11	15	20.7	19.7	19.0	2935	89.4	0.90	7.5	2.2	2.5	35.8	68	0.0549	109
WE160M2-2	15	20	28.0	26.6	25.6	2935	90.3	0.90	7.5	2.2	2.5	48.8	68	0.0635	119
WE160L-2	18.5	25	34.0	32.3	31.1	2940	90.9	0.91	7.5	2.2	2.2	60.1	68	0.0725	136
WE180M-2	22	30	40.2	38.2	36.8	2950	91.3	0.91	7.5	2.0	2.2	71.2	70	0.1025	172
WE200L1-2	30	40	54.4	51.7	49.8	2950	92.0	0.91	7.5	2.0	2.3	97.1	73	0.173	223
WE200L2-2	37	50	66.7	63.4	61.1	2950	92.5	0.91	7.5	2.0	2.3	119.8	73	0.195	242
WE225M2	45	60	80.8	76.8	74.0	2965	92.9	0.91	7.5	2.0	2.3	144.9	75	0.325	302
WE250S/M2	55	75	99.6	94.6	91.2	2970	93.2	0.90	7.5	2.0	2.3	176.9	78	0.395	382
WE280S2	75	100	134	127	122	2975	93.8	0.91	7.5	2.0	2.3	240.8	79	0.683	515
WE280M2	90	125	160	152	147	2980	94.1	0.91	7.5	2.0	2.3	288.4	79	0.765	545
WE315S2	110	150	195	185	178	2975	94.3	0.91	7.1	1.8	2.2	353.1	80	1.558	930
WE315M2	132	175	233	221	213	2975	94.6	0.91	7.1	1.8	2.2	423.7	80	1.726	980
WE315M/L1-2	160	215	282	268	258	2980	94.8	0.91	7.1	1.8	2.2	512.8	82	1.941	1090
WE315M/L2-2	200	270	352	334	322	2980	95.0	0.91	7.1	1.8	2.2	640.9	82	2.212	1190
WE355M/L1-2	250	335	444	422	407	2985	95.0	0.90	7.1	1.6	2.2	799.8	83	3.848	1710
WE355M/L2-2	315	420	554	526	507	2985	95.0	0.91	7.1	1.6	2.2	1007.8	83	3.995	1920

All values of current indicated have a tolerance level of ± 3%
IE2 efficiency class is according to IEC60034-30; 2008
Efficiency outside of IEC IE2 standard power range is according to Wonder specification.
Efficiency testing method is according to IEC60034-2-1;2007

IST = Locked Rotor Current
IFL = Full Load Current
TM = Maximum Torque
TFL = Full Load Torque
TST = Locked Rotor Torque

WE SERIES 4 Poles 50Hz

TECHNICAL SPECIFICATIONS

Motor Type	Rated Power		Current (IFL) /A			Rated Speed	Full load Efficiency	Full Load Power Factor	IST/ IFL	TST/ TFL	TM/ TFL	TFL	Sound LP	Moment of Inertia J	Weight
4 Poles 50Hz	KW	HP	380V	400V	415V	r/min	%	cos ϕ	Ratio			N.M	dB(A)	Kgm²	Kg
WE6314	0.12	0.16	0.42	0.40	0.39	1400	65.0	0.66	3.5	2.5	2.8	0.8	44	0.0008	8.2
WE6324	0.18	0.25	0.61	0.58	0.56	1400	68.0	0.66	4.0	2.5	2.8	1.2	44	0.0009	8.6
WE7114	0.25	0.33	0.74	0.70	0.67	1400	75.0	0.69	4.4	2.4	3.1	1.7	45	0.001	13
WE7124	0.37	0.5	1.08	1.03	0.99	1410	75.5	0.69	4.9	3.1	3.3	2.5	45	0.0011	14
WE8014	0.55	0.75	1.48	1.41	1.36	1425	77.0	0.73	5.5	2.2	2.4	3.7	46	0.00148	18
WE8024	0.75	1	1.96	1.86	1.79	1425	79.6	0.73	5.4	2.5	2.7	5.0	47	0.0016	19
WE90S4	1.1	1.5	2.60	2.47	2.38	1445	81.4	0.79	5.4	2.2	2.6	7.3	49	0.00232	23
WE90L4	1.5	2	3.48	3.31	3.19	1445	82.8	0.79	5.4	2.2	2.5	9.9	51	0.00315	29
WE100L1-4	2.2	3	5.08	4.83	4.66	1435	84.3	0.78	6.8	3.0	3.2	14.6	51	0.0079	35
WE100L2-4	3	4	6.83	6.49	6.26	1435	85.5	0.78	6.5	2.9	2.9	20.0	51	0.00865	39
WE112M4	4	5.5	8.45	8.03	7.74	1445	86.6	0.83	7.1	2.7	2.8	26.4	55	0.0185	45
WE132S-4	5.5	7.5	11.6	11.0	10.6	1460	87.7	0.82	7.3	2.4	2.9	36.0	55	0.0331	62
WE132M-4	7.5	10	15.5	14.7	14.2	1460	88.7	0.83	7.5	2.6	2.8	49.1	55	0.0412	74
WE160M-4	11	15	21.9	20.8	20.0	1460	89.8	0.85	7.0	2.2	2.5	72.0	60	0.1052	115
WE160L-4	15	20	29.3	27.8	26.8	1460	90.6	0.86	7.5	2.2	2.5	98.1	60	0.1123	135
WE180M-4	18.5	25	35.8	34.0	32.8	1470	91.2	0.86	7.5	2.2	2.5	120.2	65	0.1659	170
WE180L-4	22	30	42.4	40.3	38.8	1470	91.6	0.86	7.5	2.2	2.5	142.9	65	0.1865	184
WE200L-4	30	40	55.5	52.7	50.8	1470	92.3	0.89	7.2	2.2	2.5	194.9	68	0.302	235
WE225S4	37	50	69.7	66.2	63.8	1480	92.7	0.87	7.2	2.2	2.5	238.8	68	0.538	290
WE225M4	45	60	84.4	80.2	77.3	1480	93.1	0.87	7.2	2.2	2.5	290.4	68	0.635	326
WE250S/M4	55	75	100	95.4	92.0	1480	93.5	0.89	7.2	2.2	2.5	354.9	69	0.785	385
WE280S4	75	100	139	132	127	1485	94.0	0.87	7.2	2.2	2.5	482.3	70	1.552	515
WE280M4	90	125	167	159	153	1485	94.2	0.87	7.2	2.2	2.5	578.8	70	1.865	605
WE315S4	110	150	201	191	184	1485	94.5	0.88	6.9	2.1	2.2	707.4	74	3.48	931
WE315M4	132	175	241	229	221	1485	94.7	0.88	6.9	2.1	2.2	848.9	74	3.678	1017
WE315M/L1-4	160	215	291	276	266	1485	94.9	0.88	6.9	2.1	2.2	1029.0	74	4.472	1085
WE315M/L2-4	200	270	363	345	333	1485	95.1	0.88	6.9	2.1	2.2	1286.2	76	4.856	1200
WE355M/L1-4	250	335	439	417	402	1490	95.1	0.91	7.1	2.1	2.2	1602.3	79	7.364	1740
WE355M/L2-4	315	420	565	537	518	1490	95.1	0.89	6.9	2.1	2.2	2019.0	80	9.1	1975

All values of current indicated have a tolerance level of ± 3%
IE2 efficiency class is according to IEC60034-30; 2008
Efficiency outside of IEC IE2 standard power range is according to Wonder specification.
Efficiency testing method is according to IEC60034-2-1;2007

IST = Locked Rotor Current
IFL = Full Load Current
TM = Maximum Torque
TFL = Full Load Torque
TST = Locked Rotor Torque

WE SERIES 6 Poles 50Hz

TECHNICAL SPECIFICATIONS

Motor Type	Rated Power		Current (IFL) /A			Rated Speed	Full load Efficiency	Full Load Power Factor	IST/ IFL	TST/ TFL	TM/ TFL	TFL	Sound LP	Moment of Inertia J	Weight
6 Poles 50Hz	KW	HP	380V	400V	415V	r/min	%	cos ϕ	Ratio			N.M	dB(A)	Kgm²	Kg
WE8016	0.37	0.5	1.15	1.09	1.05	900	70.9	0.69	6.7	2.1	2.2	3.9	44	0.00194	18
WE8026	0.55	0.75	1.63	1.55	1.49	905	74.1	0.69	6.7	2.2	2.3	5.8	45	0.00231	20
WE90S6	0.75	1	2.14	2.03	1.96	920	75.9	0.70	7.5	2.2	2.2	7.8	45	0.00321	24
WE90L6	1.1	1.5	3.05	2.90	2.80	920	78.1	0.70	7.7	2.5	2.6	11.4	45	0.00412	26
WE100L-6	1.5	2	4.02	3.82	3.68	925	79.8	0.71	7.0	2.8	2.9	15.5	46	0.00845	34
WE112M6	2.2	3	5.67	5.39	5.20	925	81.8	0.72	7.2	2.2	2.8	22.7	46	0.01326	40
WE132S-6	3	4	7.29	6.93	6.68	950	83.3	0.75	7.5	2.2	2.5	30.2	50	0.03716	57
WE132M1-6	4	5.5	9.45	8.98	8.66	950	84.6	0.76	7.2	2.7	2.8	40.2	50	0.04889	73
WE132M2-6	5.5	7.5	12.7	12.1	11.7	960	86.0	0.76	7.4	2.8	2.9	54.7	53	0.05845	77
WE160M-6	7.5	10	16.9	16.1	15.5	970	87.2	0.76	6.5	2.0	2.3	73.8	56	0.1212	110
WE160L-6	11	15	24.2	23.0	22.2	970	88.7	0.78	6.4	2.0	2.3	108.3	56	0.1452	133
WE180L-6	15	20	31.4	29.8	28.7	975	89.7	0.81	7.0	2.0	2.3	146.9	56	0.2285	174
WE200L1-6	18.5	25	38.4	36.5	35.2	980	90.4	0.81	7.0	2.1	2.4	180.3	59	0.342	219
WE200L2-6	22	30	45.4	43.1	41.5	980	90.9	0.81	7.0	2.1	2.4	214.4	59	0.386	228
WE225M1-6	30	40	59.2	56.2	54.2	980	91.7	0.84	7.0	2.0	2.3	292.3	61	0.625	296
WE250S/M6	37	50	70.1	66.6	64.2	980	92.2	0.87	7.0	2.1	2.5	360.6	61	0.985	380
WE280S6	45	60	85.8	81.5	78.6	985	92.7	0.86	7.0	2.1	2.5	436.3	66	1.7325	470
WE280M6	55	75	104	99.1	95.5	985	93.1	0.86	7.0	2.1	2.5	533.2	66	1.965	545
WE315S6	75	100	143	136	131	985	93.7	0.85	7.0	2.0	2.2	727.2	70	3.723	866
WE315M6	90	125	172	163	157	985	94.0	0.85	7.0	2.0	2.2	872.6	70	4.526	948
WE315M/L1-6	110	150	206	196	189	985	94.3	0.86	6.7	2.0	2.2	1066.5	70	5.157	1120
WE315M/L2-6	132	175	246	234	226	985	94.6	0.86	6.7	2.0	2.2	1279.8	70	5.685	1185
WE355M/L1-6	160	215	292	277	267	990	94.8	0.88	6.7	1.9	2.0	1543.4	75	9.57	1705
WE355M/L2-6	200	270	363	345	333	990	95.0	0.88	6.7	1.9	2.0	1929.3	75	11.1	1890
WE355M/L3-6	250	335	455	432	416	995	95.0	0.87	6.7	1.9	2.0	2399.5	75	11.8	2000

All values of current indicated have a tolerance level of ± 3%
IE2 efficiency class is according to IEC60034-30; 2008
Efficiency outside of IEC IE2 standard power range is according to Wonder specification.
Efficiency testing method is according to IEC60034-2-1;2007

IST = Locked Rotor Current
IFL = Full Load Current
TM = Maximum Torque
TFL = Full Load Torque
TST = Locked Rotor Torque

WE SERIES 8 Poles 50Hz

TECHNICAL SPECIFICATIONS

Motor Type	Rated Power		Current (IFL) /A			Rated Speed	Full load Efficiency	Full Load Power Factor	IST/ IFL	TST/ TFL	TM/ TFL	TFL	Sound LP	Moment of Inertia J	Weight
8 Poles 50Hz	KW	HP	380V	400V	415V	r/min	%	cos ϕ	Ratio			N.M	dB(A)	Kgm²	Kg
WE90S8	0.37	0.5	1.44	1.37	1.32	710	62.8	0.62	6.5	2.0	2.0	5.0	45	0.0033	22
WE90L8	0.55	0.75	1.92	1.82	1.75	710	69.1	0.63	6.5	2.0	2.0	7.4	45	0.0043	24
WE100L1-8	0.75	1	2.44	2.32	2.24	715	71.9	0.65	6.8	2.0	2.1	10.0	47	0.0069	31
WE100L2-8	1.1	1.5	3.39	3.22	3.10	720	74.7	0.66	7.0	2.0	2.1	14.6	47	0.0103	32
WE112M-8	1.5	2	4.29	4.08	3.93	720	76.8	0.69	7.0	2.0	2.1	19.9	49	0.013	38
WE132S-8	2.2	3	6.02	5.72	5.51	725	79.3	0.70	7.0	2.0	2.2	29.0	50	0.034	55
WE132M-8	3	4	7.91	7.51	7.24	725	81.2	0.71	7.2	2.2	2.3	39.5	50	0.042	71
WE160M1-8	4	5.5	10.1	9.55	9.20	725	82.8	0.73	6.0	2.1	2.2	52.7	53	0.0889	98
WE160M2-8	5.5	7.5	13.4	12.7	12.2	730	84.5	0.74	6.0	2.1	2.2	72.0	53	0.0958	109
WE160L-8	7.5	10	17.9	17.0	16.4	730	86.0	0.74	6.0	2.0	2.2	98.1	53	0.1021	131
WE180L-8	11	15	25.8	24.5	23.6	725	87.7	0.74	6.6	2.0	2.3	144.9	53	0.2275	173
WE200L-8	15	20	34.2	32.5	31.3	735	88.9	0.75	6.6	2.0	2.3	194.9	55	0.395	234
WE225S-8	18.5	25	41.3	39.2	37.8	730	89.7	0.76	6.6	1.9	2.0	242.0	55	0.603	276
WE225M-8	22	30	48.6	46.2	44.5	730	90.3	0.76	6.6	1.9	2.0	287.8	55	0.698	298
WE250S/M-8	30	40	63.2	60.0	57.8	735	91.3	0.79	6.6	1.9	2.0	389.8	58	0.983	375
WE280S8	37	50	77.5	73.6	70.9	735	91.9	0.79	6.6	1.9	2.2	480.7	58	1.857	480
WE280M8	45	60	93.7	89.0	85.8	735	92.4	0.79	6.6	1.9	2.2	584.7	58	1.998	560
WE315S8	55	75	112	106	102	740	92.9	0.81	6.6	1.8	2.0	709.8	63	4.959	915
WE315M8	75	100	151	143	138	740	93.5	0.81	6.6	1.8	2.0	967.9	63	5.825	991
WE315M/L1-8	90	125	177	168	162	740	93.9	0.82	6.6	1.8	2.0	1161.5	63	6.753	1083
WE315M/L2-8	110	150	216	205	198	740	94.2	0.82	6.4	1.8	2.0	1419.6	63	7.352	1174
WE355M/L1-8	132	175	259	246	237	745	94.4	0.82	6.4	1.8	2.0	1692.1	70	12.94	1815
WE355M/L2-8	160	215	313	297	286	745	94.6	0.82	6.4	1.8	2.0	2051.0	70	13.32	1905
WE355M/L3-8	200	270	385	366	353	745	94.8	0.83	6.4	1.8	2.0	2563.8	70	14.9	2060

All values of current indicated have a tolerance level of ± 3%
IE2 efficiency class is according to IEC60034-30; 2008
Efficiency outside of IEC IE2 standard power range is according to Wonder specification.
Efficiency testing method is according to IEC60034-2-1;2007

IST = Locked Rotor Current
IFL = Full Load Current
TM = Maximum Torque
TFL = Full Load Torque
TST = Locked Rotor Torque



WE SERIES 2 Poles 60Hz

TECHNICAL SPECIFICATIONS

Motor Type	Rated Power		Current (IFL) /A			Rated Speed	Full load Efficiency	Full Load Power Factor	IST/ IFL	TST/ TFL	TM/ TFL	TFL	Sound LP	Moment of Inertia J	Weight
	KW	HP	440V	460V	480V										
2 Poles 60Hz									Ratio			N.M	dB(A)	Kgm²	Kg
WE6312	0.18	0.25	0.46	0.44	0.42	3300	71.0	0.72	5.0	2.8	3	0.5	55	0.0005	7.6
WE6322	0.25	0.33	0.63	0.60	0.58	3300	72.0	0.73	5.2	3.0	3.2	0.7	55	0.0007	8.2
WE7112	0.37	0.5	0.81	0.77	0.74	3385	75.0	0.81	5.5	3.1	3.2	1.0	59	0.0008	12
WE7122	0.55	0.75	1.15	1.10	1.05	3385	76.0	0.83	6.0	3.3	3.5	1.6	59	0.0009	13
WE8012	0.75	1	1.60	1.53	1.47	3450	77.4	0.78	6.5	3.6	4	2.1	63	0.0011	17
WE8022	1.1	1.5	2.26	2.16	2.07	3450	79.6	0.79	6.6	3.7	3.9	3.0	63	0.0013	18
WE90S2	1.5	2	2.71	2.59	2.48	3480	81.3	0.88	6.6	2.1	2.9	4.1	63	0.0018	23
WE90L2	2.2	3	3.90	3.73	3.57	3480	83.2	0.88	7.0	2.3	2.9	6.0	62	0.0022	26
WE100L2	3	4	5.16	4.94	4.73	3490	84.6	0.90	8.0	2.5	4	8.2	66	0.0042	34
WE112M2	4	5.5	6.84	6.54	6.27	3500	85.8	0.89	6.9	2.2	3	10.9	66	0.0065	41
WE132S1-2	5.5	7.5	9.13	8.7	8.37	3520	87.0	0.89	8.2	2.2	3.5	14.9	69	0.0145	60
WE132S2-2	7.5	10	12.1	11.6	11.1	3520	88.1	0.89	8.3	2.3	3.4	20.3	69	0.0156	63
WE160M1-2	11	15	17.6	16.8	16.1	3510	89.4	0.90	7.5	2.2	2.5	29.9	71	0.0549	109
WE160M2-2	15	20	23.8	22.8	21.9	3515	90.3	0.90	7.5	2.2	2.5	40.8	71	0.0635	119
WE160L-2	18.5	25	29.1	27.8	26.6	3515	90.9	0.91	7.5	2.2	2.2	50.3	71	0.0725	136
WE180M-2	22	30	34.5	33.0	31.6	3530	91.3	0.91	7.5	2.0	2.2	59.5	73	0.1025	172
WE200L1-2	30	40	46.6	44.6	42.7	3550	92.0	0.91	7.5	2.0	2.3	80.7	76	0.173	223
WE200L2-2	37	50	57.3	54.8	52.5	3550	92.5	0.91	7.5	2.0	2.3	99.5	76	0.195	242
WE225M2	45	60	69.5	66.5	63.7	3565	92.9	0.91	7.5	2.0	2.3	120.5	78	0.325	302
WE250S/M2	55	75	85.6	81.9	78.5	3570	93.2	0.90	7.5	2.0	2.3	147.1	81	0.395	382
WE280S2	75	100	115	110	105	3570	93.8	0.91	7.5	2.0	2.3	200.6	82	0.683	515
WE280M2	90	125	138	132	127	3580	94.1	0.91	7.5	2.0	2.3	240.1	82	0.765	545
WE315S2	110	150	167	160	153	3575	94.3	0.91	7.1	1.8	2.2	293.8	83	1.558	930
WE315M2	132	175	201	192	184	3575	94.6	0.91	7.1	1.8	2.2	352.6	83	1.726	980
WE315M/L1-2	160	215	138	132	127	3580	94.8	0.91	7.1	1.8	2.2	426.8	85	1.941	1090
WE315M/L2-2	200	270	303	290	278	3580	95.0	0.91	7.1	1.8	2.2	533.5	85	2.212	1190
WE355M/L1-2	250	335	383	366	351	3585	95.0	0.90	7.1	1.6	2.2	666.0	86	3.848	1710
WE355M/L2-2	315	420	478	457	438	3585	95.0	0.91	7.1	1.6	2.2	839.1	86	3.995	1920

All values of current indicated have a tolerance level of ± 3%
IE2 efficiency class is according to IEC60034-30; 2008
Efficiency outside of IEC IE2 standard power range is according to Wonder specification.
Efficiency testing method is according to IEC60034-2-1;2007

IST = Locked Rotor Current
IFL = Full Load Current
TM = Maximum Torque
TFL = Full Load Torque
TST = Locked Rotor Torque

* Data are subjected to revisions without any prior notice.



WE SERIES 4 Poles 60Hz

TECHNICAL SPECIFICATIONS

Motor Type	Rated Power		Current (IFL) /A			Rated Speed	Full load Efficiency	Full Load Power Factor	IST/ IFL	TST/ TFL	TM/ TFL	TFL	Sound LP	Moment of Inertia J	Weight
4 Poles 60Hz	KW	HP	440V	460V	480V	r/min	%	cos ϕ	Ratio			N.M	dB(A)	Kgm²	Kg
WE6314	0.12	0.16	0.37	0.35	0.34	1680	65.0	0.66	3.5	2.5	2.8	0.7	47	0.0008	8.2
WE6324	0.18	0.25	0.52	0.50	0.48	1680	68.0	0.66	4.0	2.5	2.8	1.0	47	0.0009	8.6
WE7114	0.25	0.33	0.64	0.61	0.58	1680	75.0	0.69	4.4	2.4	3.1	1.4	48	0.001	13
WE7124	0.37	0.5	0.93	0.89	0.85	1690	75.5	0.69	4.9	3.1	3.3	2.1	48	0.0011	14
WE8014	0.55	0.75	1.29	1.23	1.18	1710	77.0	0.73	5.5	2.2	2.4	3.1	49	0.00148	18
WE8024	0.75	1	1.64	1.57	1.50	1730	79.6	0.74	5.4	2.5	2.7	4.1	50	0.0016	19
WE90S4	1.1	1.5	2.20	2.10	2.01	1750	81.4	0.79	5.4	2.2	2.6	6.0	52	0.00232	23
WE90L4	1.5	2	2.97	2.84	2.72	1750	82.8	0.79	5.4	2.2	2.5	8.2	54	0.00315	29
WE100L1-4	2.2	3	4.35	4.16	3.99	1750	84.3	0.78	6.8	3.0	3.2	12.0	54	0.0079	35
WE100L2-4	3	4	5.85	5.60	5.37	1750	85.5	0.78	6.5	2.9	2.9	16.4	54	0.00865	39
WE112M4	4	5.5	7.28	6.96	6.67	1750	86.6	0.83	7.1	2.7	2.8	21.8	58	0.0185	45
WE132S-4	5.5	7.5	9.59	9.17	8.79	1760	87.7	0.82	7.3	2.4	2.9	29.8	58	0.0331	62
WE132M-4	7.5	10	13.0	12.4	11.9	1760	88.7	0.83	7.5	2.6	2.8	40.7	58	0.0412	74
WE160M-4	11	15	18.3	17.5	16.8	1750	89.8	0.86	7.0	2.2	2.5	60.0	63	0.1052	115
WE160L-4	15	20	24.9	23.8	22.8	1750	90.6	0.86	7.5	2.2	2.5	81.9	63	0.1123	135
WE180M-4	18.5	25	30.5	29.2	28.0	1755	91.2	0.86	7.5	2.2	2.5	100.7	68	0.1659	170
WE180L-4	22	30	35.9	34.3	32.9	1760	91.8	0.87	7.5	2.2	2.5	119.4	68	0.1865	184
WE200L-4	30	40	47.4	45.3	43.4	1770	92.3	0.90	7.2	2.2	2.5	161.9	71	0.302	235
WE225S4	37	50	59.5	56.9	54.5	1780	92.7	0.88	7.2	2.2	2.5	198.5	71	0.538	290
WE225M4	45	60	72.0	68.9	66.0	1780	93.1	0.88	7.2	2.2	2.5	241.4	71	0.635	326
WE250S/M4	55	75	86.3	82.5	79.1	1780	93.5	0.89	7.2	2.2	2.5	295.1	72	0.785	385
WE280S4	75	100	119	114	109	1785	94.0	0.88	7.2	2.2	2.5	401.3	73	1.552	515
WE280M4	90	125	144	138	132	1785	94.2	0.87	7.2	2.2	2.5	481.5	73	1.865	605
WE315S4	110	150	173	165	158	1785	94.5	0.88	6.9	2.1	2.2	588.5	77	3.48	931
WE315M4	132	175	205	196	188	1785	94.7	0.89	6.9	2.1	2.2	706.2	77	3.678	1017
WE315M/L1-4	160	215	251	240	230	1785	94.9	0.88	6.9	2.1	2.2	856.0	77	4.472	1085
WE315M/L2-4	200	270	311	297	285	1785	95.1	0.89	6.9	2.1	2.2	1070.0	79	4.856	1200
WE355M/L1-4	250	335	378	362	347	1790	95.1	0.91	7.1	2.1	2.2	1333.8	82	7.364	1740
WE355M/L2-4	315	420	483	462	443	1790	95.1	0.90	6.9	2.1	2.2	1680.6	83	9.1	1975

All values of current indicated have a tolerance level of ± 3%
IE2 efficiency class is according to IEC60034-30; 2008
Efficiency outside of IEC IE2 standard power range is according to Wonder specification.
Efficiency testing method is according to IEC60034-2-1;2007

IST = Locked Rotor Current
IFL = Full Load Current
TM = Maximum Torque
TFL = Full Load Torque
TST = Locked Rotor Torque

* Data are subjected to revisions without any prior notice.



WE SERIES 6 Poles 60Hz

TECHNICAL SPECIFICATIONS

Motor Type	Rated Power		Current (IFL) /A			Rated Speed	Full load Efficiency	Full Load Power Factor	IST/ IFL	TST/ TFL	TM/ TFL	TFL	Sound LP	Moment of Inertia J	Weight
6 Poles 60Hz	KW	HP	440V	460V	480V	r/min	%	cos ϕ	Ratio			N.M	dB(A)	Kgm²	Kg
WE8016	0.37	0.5	0.99	0.95	0.91	1080	70.9	0.69	6.7	2.1	2.2	3.3	47	0.00194	18
WE8026	0.55	0.75	1.41	1.35	1.29	1085	74.1	0.69	6.7	2.2	2.3	4.8	48	0.00231	20
WE90S6	0.75	1	1.82	1.74	1.67	1150	76.0	0.70	7.5	2.2	2.2	6.2	48	0.00321	24
WE90L6	1.1	1.5	2.60	2.49	2.39	1150	78.3	0.70	7.7	2.5	2.6	9.1	48	0.00412	26
WE100L-6	1.5	2	3.43	3.28	3.14	1140	79.8	0.71	7.0	2.8	2.9	12.6	49	0.00845	34
WE112M6	2.2	3	4.86	4.65	4.46	1155	81.8	0.72	7.2	2.2	2.8	18.2	49	0.01326	40
WE132S-6	3	4	6.27	6.00	5.75	1170	83.3	0.75	7.5	2.2	2.5	24.5	53	0.03716	57
WE132M1-6	4	5.5	8.05	7.70	7.38	1170	84.6	0.77	7.2	2.7	2.8	32.6	53	0.04889	73
WE132M2-6	5.5	7.5	10.9	10.4	9.97	1175	86.0	0.77	7.4	2.8	2.9	44.7	56	0.05845	77
WE160M-6	7.5	10	14.3	13.7	13.1	1175	87.4	0.78	6.5	2.0	2.3	61.0	59	0.1212	110
WE160L-6	11	15	19.9	19.0	18.2	1160	88.9	0.78	6.4	2.0	2.3	90.6	59	0.1452	133
WE180L-6	15	20	26.1	25.0	24.0	1170	89.9	0.81	7.0	2.0	2.3	122.4	59	0.2285	174
WE200L1-6	18.5	25	32.7	31.3	30.0	1170	90.5	0.81	7.0	2.1	2.4	151.0	62	0.342	219
WE200L2-6	22	30	37.8	36.2	34.7	1175	90.9	0.81	7.0	2.1	2.4	178.8	62	0.386	228
WE225M1-6	30	40	50.7	48.5	46.5	1180	91.8	0.84	7.0	2.0	2.3	242.8	64	0.625	296
WE250S/M6	37	50	60.1	57.5	55.1	1180	92.3	0.87	7.0	2.1	2.5	299.4	64	0.985	380
WE280S6	45	60	73.7	70.5	67.6	1185	92.8	0.86	7.0	2.1	2.5	362.7	69	1.7325	470
WE280M6	55	75	89.7	85.8	82.2	1185	93.2	0.86	7.0	2.1	2.5	443.2	69	1.965	545
WE315S6	75	100	123	118	113	1185	93.8	0.85	7.0	2.0	2.2	604.4	73	3.723	866
WE315M6	90	125	147	141	135	1185	94.2	0.85	7.0	2.0	2.2	725.3	73	4.526	948
WE315M/L1-6	110	150	178	170	163	1185	94.4	0.86	6.7	2.0	2.2	886.5	73	5.157	1120
WE315M/L2-6	132	175	210	201	193	1185	94.6	0.86	6.7	2.0	2.2	1063.8	73	5.685	1185
WE355M/L1-6	160	215	249	238	228	1190	94.9	0.88	6.7	1.9	2.0	1284.0	78	9.57	1705
WE355M/L2-6	200	270	311	297	285	1190	95.1	0.88	6.7	1.9	2.0	1605.0	78	11.1	1890
WE355M/L3-6	250	335	389	372	357	1190	95.1	0.88	6.7	1.9	2.0	2006.3	78	11.8	2000

All values of current indicated have a tolerance level of ± 3%
IE2 efficiency class is according to IEC60034-30; 2008
Efficiency outside of IEC IE2 standard power range is according to Wonder specification.
Efficiency testing method is according to IEC60034-2-1;2007

IST = Locked Rotor Current
IFL = Full Load Current
TM = Maximum Torque
TFL = Full Load Torque
TST = Locked Rotor Torque

WE SERIES 8 Poles 60Hz

TECHNICAL SPECIFICATIONS

Motor Type	Rated Power		Current (IFL) /A			Rated Speed	Full load Efficiency	Full Load Power Factor	IST/ IFL	TST/ TFL	TM/ TFL	TFL	Sound LP	Moment of Inertia J	Weight
8 Poles 60Hz	KW	HP	440V	460V	480V	r/min	%	cos ϕ	Ratio			N.M	dB(A)	Kgm²	Kg
WE90S8	0.37	0.5	1.21	1.16	1.11	850	62.8	0.62	6.5	2.0	2	4.2	48	0.0033	22
WE90L8	0.55	0.75	1.64	1.57	1.50	850	69.1	0.63	6.5	2.0	2	6.2	48	0.0043	24
WE100L1-8	0.75	1	2.10	2.01	1.93	860	71.9	0.65	6.8	2.0	2.1	8.3	50	0.0069	31
WE100L2-8	1.1	1.5	2.88	2.75	2.64	865	74.7	0.66	7.0	2.0	2.1	12.1	50	0.0103	32
WE112M-8	1.5	2	3.71	3.55	3.40	865	76.8	0.69	7.0	2.0	2.1	16.6	52	0.013	38
WE132S-8	2.2	3	5.20	4.97	4.76	870	79.3	0.70	7.0	2.0	2.2	24.1	53	0.034	55
WE132M-8	3	4	6.68	6.39	6.12	870	81.2	0.71	7.2	2.2	2.3	32.9	53	0.042	71
WE160M1-8	4	5.5	8.53	8.16	7.82	870	82.8	0.73	6.0	2.1	2.2	43.9	56	0.0889	98
WE160M2-8	5.5	7.5	11.4	10.9	10.4	875	84.5	0.74	6.0	2.1	2.2	60.0	56	0.0958	109
WE160L-8	7.5	10	15.4	14.7	14.1	875	86.0	0.74	6.0	2.0	2.2	81.9	56	0.1021	131
WE180L-8	11	15	22.0	21.0	20.1	875	87.7	0.74	6.6	2.0	2.3	120.1	56	0.2275	173
WE200L-8	15	20	29.1	27.8	26.6	880	88.9	0.75	6.6	2.0	2.3	162.8	58	0.395	234
WE225S-8	18.5	25	35.2	33.7	32.3	880	89.7	0.76	6.6	1.9	2	200.8	58	0.603	276
WE225M-8	22	30	41.8	40.0	38.3	880	90.3	0.76	6.6	1.9	2	238.8	58	0.698	298
WE250S/M-8	30	40	51.1	48.9	46.9	880	91.3	0.80	6.6	1.9	2	325.6	61	0.983	375
WE280S8	37	50	65.8	62.9	60.3	880	91.9	0.80	6.6	1.9	2.2	401.5	61	1.857	480
WE280M8	45	60	79.4	75.9	72.7	880	92.4	0.80	6.6	1.9	2.2	488.4	61	1.998	560
WE315S8	55	75	94.5	90.4	86.6	890	92.9	0.82	6.6	1.8	2.0	590.2	66	4.959	915
WE315M8	75	100	129	123	118	890	93.5	0.82	6.6	1.8	2.0	804.8	66	5.825	991
WE315M/L1-8	90	125	151	144	138	890	93.9	0.83	6.6	1.8	2.0	965.7	66	6.753	1083
WE315M/L2-8	110	150	183	175	168	890	94.2	0.83	6.4	1.8	2.0	1180.3	66	7.352	1174
WE355M/L1-8	132	175	220	210	201	895	94.4	0.83	6.4	1.8	2.0	1408.5	73	12.94	1815
WE355M/L2-8	160	215	267	255	244	895	94.6	0.83	6.4	1.8	2.0	1707.3	73	13.32	1905
WE355M/L3-8	200	270	324	310	297	895	94.8	0.85	6.4	1.8	2.0	2134.1	73	14.9	2060

All values of current indicated have a tolerance level of ± 3%
IE2 efficiency class is according to IEC60034-30; 2008
Efficiency outside of IEC IE2 standard power range is according to Wonder specification.
Efficiency testing method is according to IEC60034-2-1;2007

IST = Locked Rotor Current
IFL = Full Load Current
TM = Maximum Torque
TFL = Full Load Torque
TST = Locked Rotor Torque



TERMINAL BOX

Frame Size	Cable entry in mm	Overall Dimensions (mm)
WE 80 ~ WE 100	2 - M25 x 1.5	124 x 100 x 50
WE 112 ~ WE 132	2 - M32 x 1.5	150 x 124 x 60
WE 160 ~ WE 180	2 - M40 x 1.5	200 x 160 x 80
WE 200 ~ WE 225	2 - M50 x 1.5	250 x 200 x 92
WE 250 ~ WE 280	2 - M63 x 1.5	340 x 210 x 106
WE 315	2 - M63 x 1.5	413 x 258 x 165
WE 355	2 - M63 x 1.5	461 x 300 x 190

BEARINGS

Frame Size	Driving End		Non-driving End	
	2 POLE	4 - 8 POLE	2 POLE	4 - 8 POLE
80	6205 2Z/C3	6205 2Z/C3	6205 2Z/C3	6205 2Z/C3
90	6206 2Z/C3	6206 2Z/C3	6206 2Z/C3	6206 2Z/C3
100	6206 2Z/C3	6206 2Z/C3	6206 2Z/C3	6206 2Z/C3
112	6207 2Z/C3	6207 2Z/C3	6207 2Z/C3	6207 2Z/C3
132	6308 2Z/C3	6308 2Z/C3	6208 2Z/C3	6208 2Z/C3
160	6309 2Z/C3	6309 2Z/C3	6209 2Z/C3	6209 2Z/C3
180	6311 /C3	6311 /C3	6211 /C3	6211 /C3
200	6312 /C3	6312 /C3	6212 /C3	6212 /C3
225	6312 /C3	6313 /C3	6312 /C3	6312 /C3
250	6313 /C3	6314 /C3	6313 /C3	6313 /C3
280	6314 /C3	6317 /C3	6314 /C3	6314 /C3
315	6317 /C3	Nu319	6317 C3/ 7317B (V1)	6319 C3/ 7319B (V1)
355	6319 /C3	Nu322	6319 C3/ 7319B (V1)	6322 C3/ 7322B (V1)

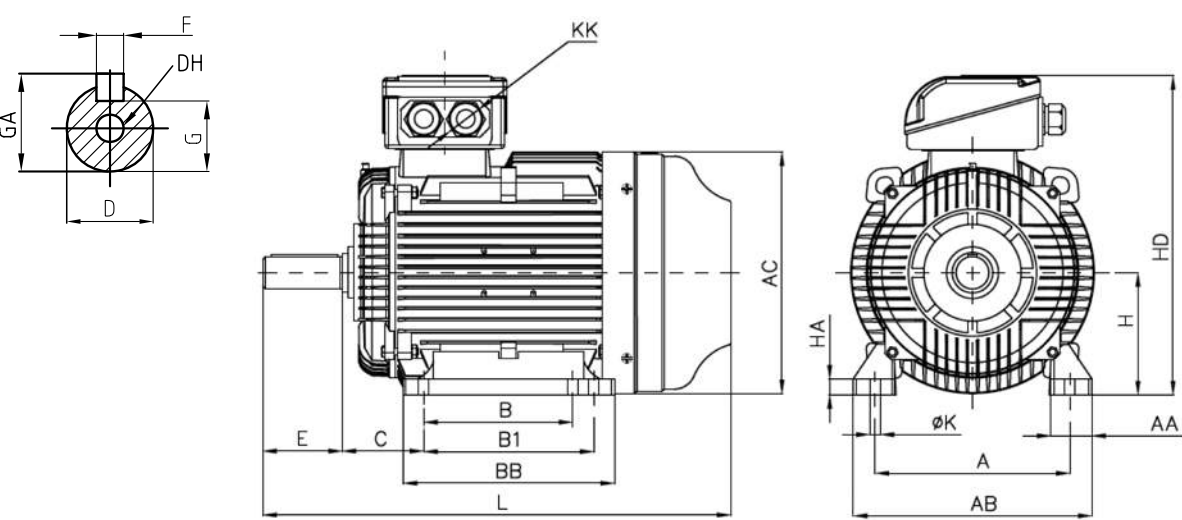
The above motors can be loaded directly.
NU bearings are recommended in the event of high radial force.

VIBRATION

Frame Size	Limiting value(root-mean-square value) of vibration strength represented by displacement, speed and acceleration of different height H(mm) shaft center.									
	Height of Shaft Center /mm	56<H≤132			132<H≤280			280<H		
		Displacement	Speed	Acceleration	Displacement	Speed	Acceleration	Displacement	Speed	Acceleration
		μ/m	mm/s	m/s²	μ/m	mm/s	m/s²	μ/m	mm/s	m/s²
A	Free Mounting	25	1.6	2.5	35	2.2	3.5	45	2.8	4.4
	Rigid Mounting	21	1.3	2	29	1.8	2.8	37	2.3	3.6
B	Free Mounting	11	0.7	1.1	18	1.1	1.7	29	1.8	2.8
	Rigid Mounting				14	0.9	1.4	24	1.5	2.4

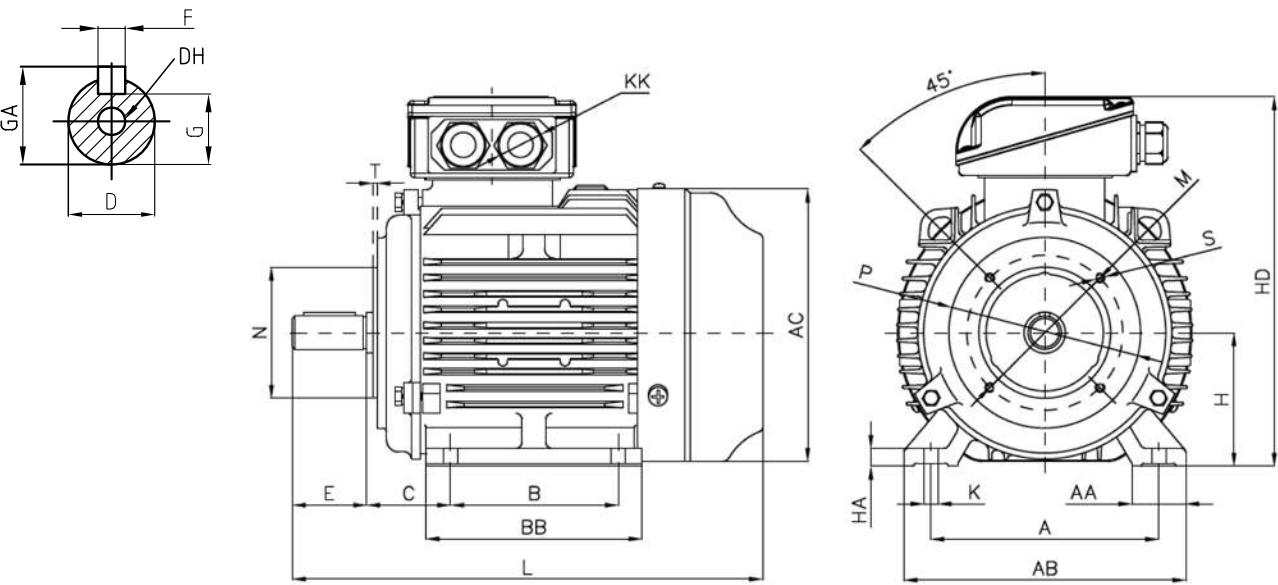
Grade "A" applies to machine with no special vibration requirement.
Grade "B" applies to machine with special vibration requirement.
Rigid mounting is not considered acceptable for machine with shaft height of less than 132mm.
The interface frequencies for displacement/velocity are 10Hz and 250Hz respectively.

WE B3 MOUNTING AND OVERALL DIMENSIONS



Frame Size	Poles	Mounting Dimensions (mm)												Overall Dimensions (mm)							
		A	B	B1	C	D	E	F	G	H	K	KK	DH	GA	AA	AB	AC	HA	HD	BB	L
80	2~6	125	100	/	50	19	40	6	15.5	80	10	2-M25 x 1.5	M6x16	21.5	35	160	165	12	235	135	310
90S	2~6	140	100	/	56	24	50	8	20	90	10	2-M25 x 1.5	M8x20	27	36	174	180	12	245	130	320
90L	2~8	140	125	/	56	24	50	8	20	90	10	2-M25 x 1.5	M8x20	27	36	174	180	12	245	155	345
100L	2~8	160	140	/	63	28	60	8	24	100	12	2-M25 x 1.5	M10x25	31	40	200	220	14	269	179	388
112M	2~8	190	140	/	70	28	60	8	24	112	12	2-M32 x 1.5	M10x25	31	45	235	220	15	305	180	390
132S	2~8	216	140	/	89	38	80	10	33	132	12	2-M32 x 1.5	M12x30	41	55	270	260	18	339	182	462
132M	2~8	216	178	/	89	38	80	10	33	132	12	2-M32 x 1.5	M12x30	41	55	265	260	18	339	220	500
160M	2~8	254	210	/	108	42	110	12	37	160	15	2-M40 x 1.5	M16x36	45	65	315	315	20	409	260	614
160L	2~8	254	254	/	108	42	110	12	37	160	15	2-M40 x 1.5	M16x36	45	65	315	315	20	409	384	658
180M	2, 4	279	241	/	121	48	110	14	42.5	180	15	2-M40 x 1.5	M16x36	51.5	70	350	360	22	445	311	690
180L	4~8	279	279	/	121	48	110	14	42.5	180	15	2-M40 x 1.5	M16x36	51.5	70	350	360	22	445	349	728
200L	2~8	318	305	/	133	55	110	16	49	200	19	2-M50 x 1.5	M20x42	59	70	388	400	25	492	370	780
225S	4, 8	356	286	/	149	60	140	18	53	225	19	2-M50 x 1.5	M20x42	64	75	435	450	28	540	361	825
225M	2	356	311	/	149	55	110	16	49	225	19	2-M50 x 1.5	M20x42	59	75	435	450	28	540	386	820
225M	4~8	356	311	/	149	60	140	18	53	225	19	2-M50 x 1.5	M20x42	64	75	435	450	28	540	386	850
250S,M	2	406	311	349	168	60	140	18	53	250	24	M63 x 1.5	M20x42	64	80	503	485	30	616	445	915
250S,M	4~8	406	311	349	168	65	140	18	58	250	24	M63 x 1.5	M20x42	69	80	503	485	30	616	445	915
280S	2	457	368	/	190	65	140	18	58	280	24	M63 x 1.5	M20x42	69	85	545	550	35	672	490	968
280S	4~8	457	368	/	190	75	140	20	67.5	280	24	M63 x 1.5	M20x42	79.5	85	545	550	35	672	490	968
280M	2	457	419	/	190	65	140	18	58	280	24	M63 x 1.5	M20x42	69	85	545	550	35	672	540	1020
280M	4~8	457	419	/	190	75	140	20	67.5	280	24	M63 x 1.5	M20x42	79.5	85	545	550	35	672	540	1020
315S	2	508	406	/	216	65	140	18	58	315	28	M63 x 1.5	M20x46	69	120	630	625	45	815	570	1204
315S	4~8	508	406	/	216	80	170	22	71	315	28	M63 x 1.5	M20x46	85	120	630	625	45	815	570	1234
315M,L	2	508	457	508	216	65	140	18	58	315	28	M63 x 1.5	M20x46	69	120	630	625	45	815	680	1307
315M,L	4~8	508	457	508	216	80	170	22	71	315	28	M63 x 1.5	M20x46	85	120	630	625	45	815	680	1337
355M,L	2	610	560	630	254	75	140	20	67.5	355	28	M63 x 1.5	M20x46	79.5	120	730	710	52	970	750	1526
355M,L	4~8	610	560	630	254	95	170	25	86	355	28	M63 x 1.5	M24x56	100	120	730	710	52	970	750	1556

WE B34A & B34B MOUNTING AND OVERALL DIMENSIONS



B34A

Frame Size	Mounting Dimensions (mm)																Overall Dimensions (mm)							
	A	B	C	D	E	F	G	H	K	M	N	P	S	T	KK	DH	GA	AA	AB	AC	BB	HA	HD	L
80	125	100	50	19	40	6	15.5	80	10	100	80	120	4 -M6	3	M25 x 1.5	M6x16	21.5	35	160	165	130	12	235	310
90S	140	100	56	24	50	8	20	90	10	115	95	140	4 -M8	3	M25 x 1.5	M8x20	27	36	180	180	140	12	245	320
90L	140	125	56	24	50	8	20	90	10	115	95	140	4 -M8	3	M25 x 1.5	M8x20	27	36	180	180	165	12	245	345
100L	160	140	63	28	60	8	24	100	12	130	110	160	4 -M8	3.5	M25 x 1.5	M10x25	31	40	200	220	175	14	295	388
112M	190	140	70	28	60	8	24	112	12	130	110	160	4 -M8	3.5	M32 x 1.5	M10x25	31	45	230	220	180	15	305	390
132S	216	140	89	38	80	10	33	132	12	165	130	200	4 -M10	4	M32 x 1.5	M12x30	41	55	265	260	190	18	355	462
132M	216	178	89	38	80	10	33	132	12	165	130	200	4 -M10	4	M32 x 1.5	M12x30	41	55	265	260	230	18	355	500

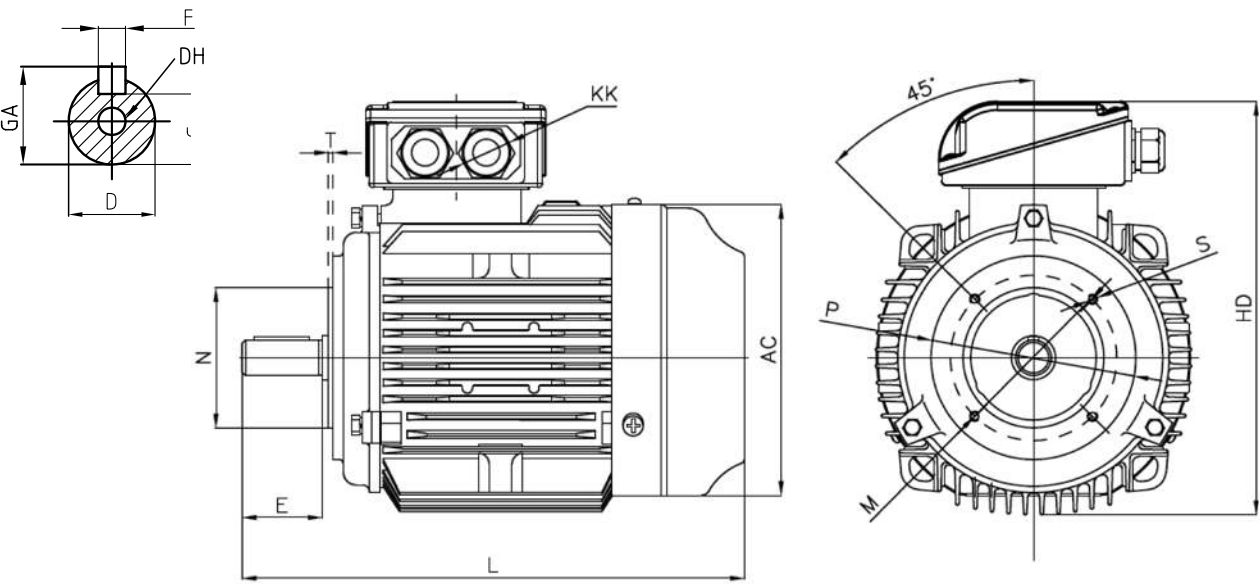
Distance from flange to shaft shoulder = 0 mm

B34B

Frame Size	Mounting Dimensions (mm)																Overall Dimensions (mm)							
	A	B	C	D	E	F	G	H	K	M	N	P	S	T	KK	DH	GA	AA	AB	AC	BB	HA	HD	L
80	125	100	50	19	40	6	15.5	80	10	130	110	160	4 -M8	3	M25 x 1.5	M6x16	21.5	35	160	160	130	12	225	310
90S	140	100	56	24	50	8	20	90	10	130	110	160	4 -M8	3	M25 x 1.5	M8x20	27	36	180	180	140	12	245	320
90L	140	125	56	24	50	8	20	90	10	130	110	160	4 -M8	3	M25 x 1.5	M8x20	27	36	180	180	165	12	245	345
100L	160	140	63	28	60	8	24	100	12	165	130	200	4 -M10	3.5	M25 x 1.5	M10x25	31	40	200	220	175	14	295	388
112M	190	140	70	28	60	8	24	112	12	165	130	200	4 -M10	3.5	M32 x 1.5	M10x25	31	45	230	220	180	15	305	390
132S	216	140	89	38	80	10	33	132	12	215	180	250	4 -M12	4	2M32 x 1.5	M12x30	41	55	265	260	190	18	355	462
132M	216	178	89	38	80	10	33	132	12	215	180	250	4 -M12	4	M32 x 1.5	M12x30	41	55	265	260	230	18	355	500

Distance from flange to shaft shoulder = 0 mm

WE B14A & B14B MOUNTING AND OVERALL DIMENSIONS



B14A

Frame Size	Mounting Dimensions (mm)											Overall Dimensions (mm)			
	D	E	F	G	M	N	P	S	T	KK	DH	GA	AC	HD	L
80	19	40	6	15.5	100	80	120	4 -M6	3	M25 x 1.5	M6x16	21.5	165	235	310
90S	24	50	8	20	115	95	140	4 -M8	3	M25 x 1.5	M8x20	27	180	245	320
90L	24	50	8	20	115	95	140	4 -M8	3	M25 x 1.5	M8x20	27	180	245	345
100L	28	60	8	24	130	110	160	4 -M8	3.5	M25 x 1.5	M10x25	31	220	295	388
112M	28	60	8	24	130	110	160	4 -M8	3.5	M32 x 1.5	M10x25	31	220	305	390
132S	38	80	10	33	165	130	200	4 -M10	4	M32 x 1.5	M12x30	41	260	365	462
132M	38	80	10	33	165	130	200	4 -M10	4	M32 x 1.5	M12x30	41	260	365	500

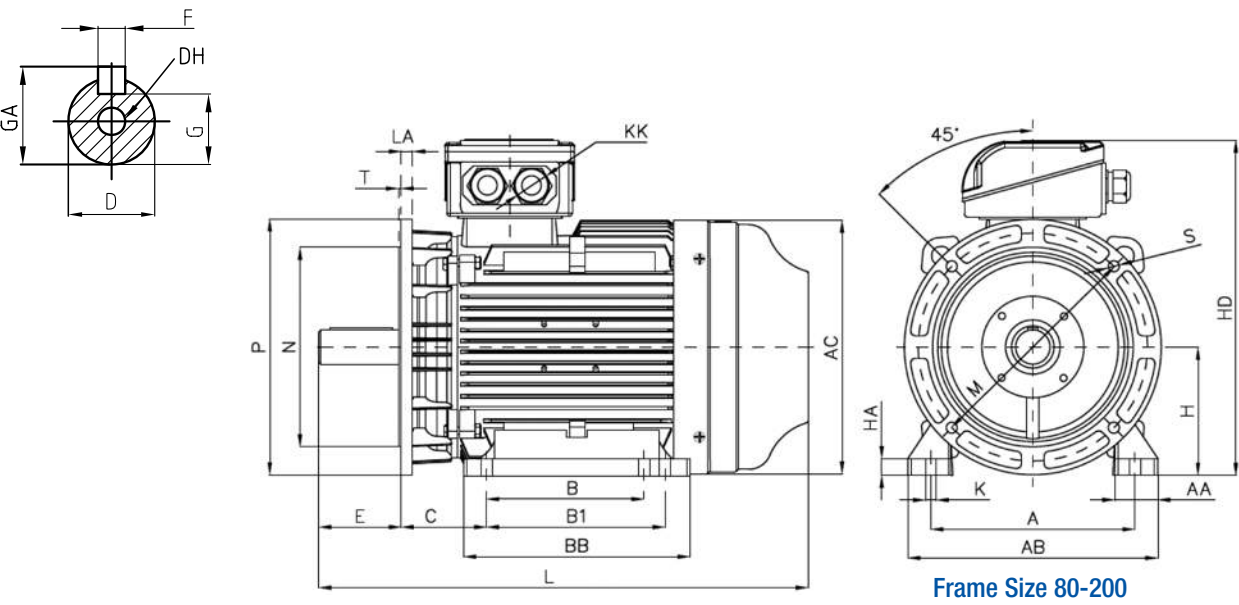
Distance from flange to shaft shoulder = 0 mm

B14B

Frame Size	Mounting Dimensions (mm)											Overall Dimensions (mm)			
	D	E	F	G	M	N	P	S	T	KK	DH	GA	AC	HD	L
80	19	40	6	15.5	130	110	160	4 -M8	3.5	M25 x 1.5	M6x16	21.5	165	235	310
90S	24	50	8	20	130	110	160	4 -M8	3.5	M25 x 1.5	M8x20	27	180	245	320
90L	24	50	8	20	130	110	160	4 -M8	3.5	M25 x 1.5	M8x20	27	180	245	345
100L	28	60	8	24	165	130	200	4 -M10	3.5	M25 x 1.5	M10x25	31	220	295	388
112M	28	60	8	24	165	130	200	4 -M10	3.5	M32 x 1.5	M10x25	31	220	305	390
132S	38	80	10	33	215	180	250	4 -M12	4	M32 x 1.5	M12x30	41	260	365	462
132M	38	80	10	33	215	180	250	4 -M12	4	M32 x 1.5	M12x30	41	260	365	500

Distance from flange to shaft shoulder = 0 mm

WE B35 MOUNTING AND OVERALL DIMENSIONS

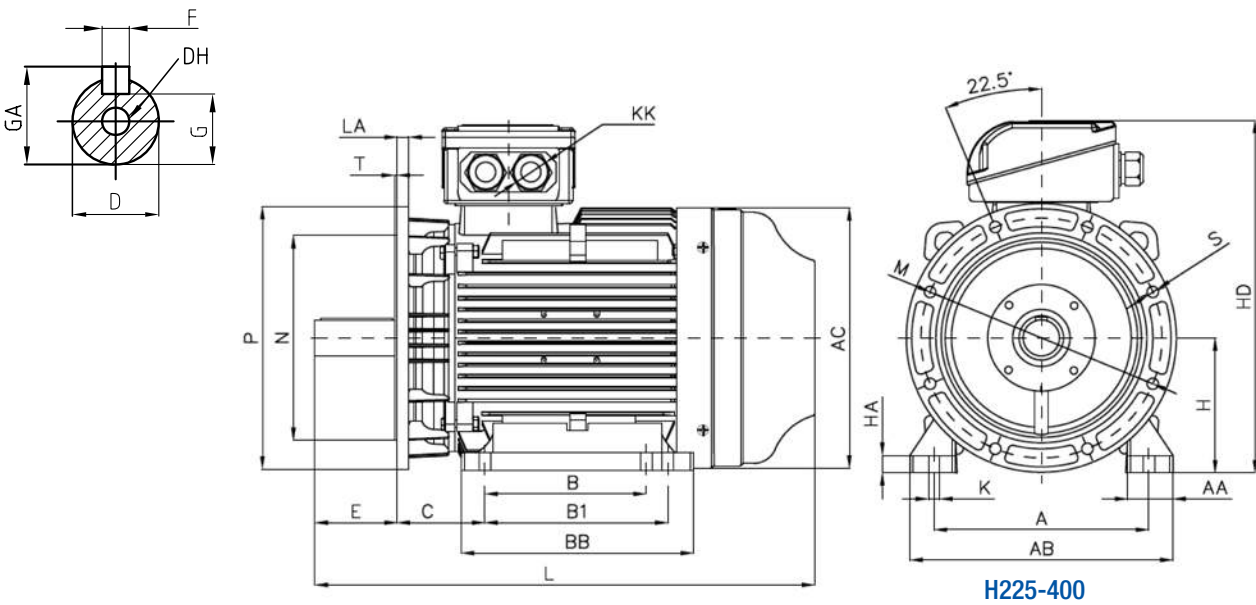


KINDLY REFER TO THE FOLLOWING PAGE FOR FRAME SIZES OF 225 TO 355

Frame Size	Poles	Mounting Dimensions (mm)																Overall Dimensions (mm)									
		A	B	C	D	E	F	G	H	K	M	N	P	S	T	KK	DH	GA	AA	AB	AC	BB	HA	HD	LA	L	
80	2~6	125	100	50	19	40	6	15.5	80	10	165	130	200	12	4	M25x 1.5	M6x16	21.5	35	160	165	130	12	235	135	310	
90S	2~6	140	100	56	24	50	8	20	90	10	165	130	200	12	4	M25x 1.5	M8x20	27	36	174	180	140	12	245	130	320	
90L	2~8	140	125	56	24	50	8	20	90	10	165	130	200	12	4	M25x 1.5	M8x20	27	36	174	180	165	12	245	155	345	
100L	2~8	160	140	63	28	60	8	24	100	12	215	180	250	15	4	M25x 1.5	M10x25	31	40	200	220	175	14	269	179	388	
112M	2~8	190	140	70	28	60	8	24	112	12	215	180	250	15	4	M32 x 1.5	M10x25	31	45	235	220	180	15	305	180	390	
132S	2~8	216	140	89	38	80	10	33	132	12	265	230	300	15	4	M32 x 1.5	M12x30	41	55	270	260	190	18	339	182	462	
132M	2~8	216	178	89	38	80	10	33	132	12	265	230	300	15	4	M32 x 1.5	M12x30	41	55	265	260	230	18	339	220	500	
160M	2~8	254	210	108	42	110	12	37	160	15	300	250	350	19	5	M40 x 1.5	M16x36	45	65	315	315	260	20	409	260	614	
160L	2~8	254	254	108	42	110	12	37	160	15	300	250	350	19	5	M40 x 1.5	M16x36	45	65	315	315	305	20	409	384	658	
180M	2, 4	279	241	121	48	110	14	42.5	180	15	300	250	350	19	5	M40 x 1.5	M16x36	51.5	70	350	360	315	22	445	311	690	
180L	4~8	279	279	121	48	110	14	42.5	180	15	300	250	350	19	5	M40 x 1.5	M16x36	51.5	70	350	360	350	22	445	349	728	
200L	2~8	318	305	133	55	110	16	49	200	19	350	300	400	19	5	M50 x 1.5	M20x42	59	70	388	400	370	25	492	370	780	

Dimension B1 only applies to frame sizes of 250SM, 315M,L and 355M,L
Frame sizes of 80-200L have 4 identical holes of dimension S
Distance from flange to shaft shoulder = 0 mm

WE B35 II MOUNTING AND OVERALL DIMENSIONS

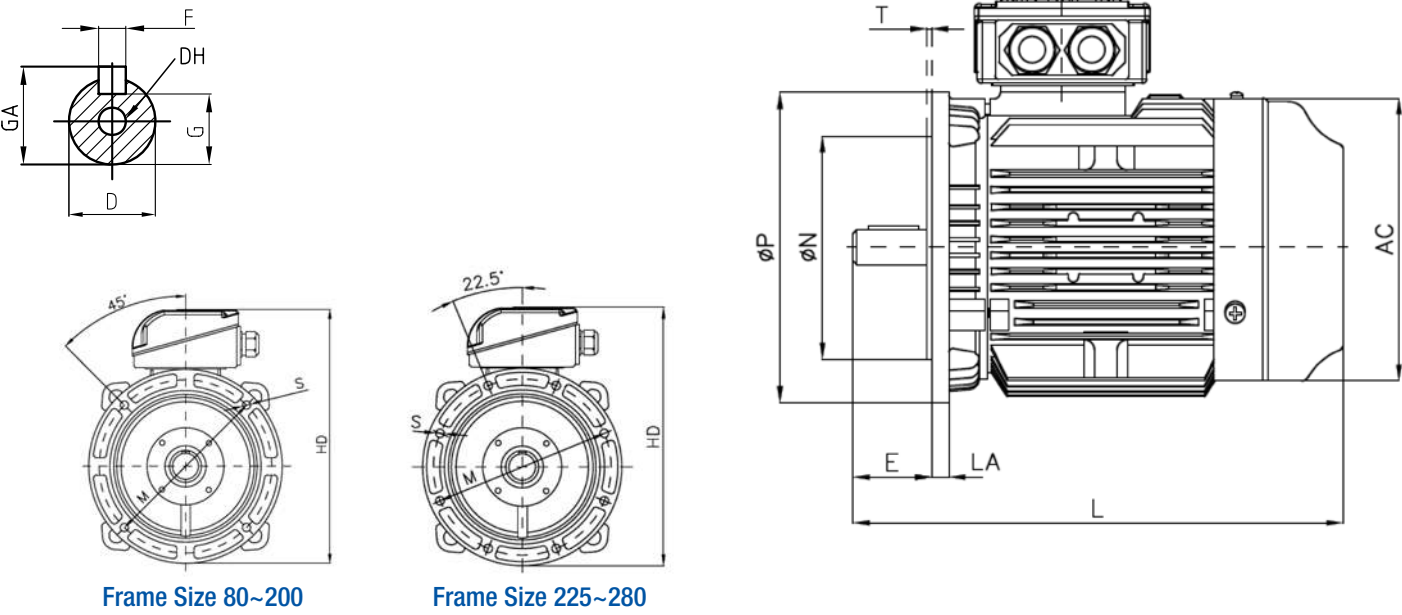


KINDLY REFER TO THE PREVIOUS PAGE FOR FRAME SIZE OF 80 TO 200

Frame Size	Poles	Mounting Dimensions (mm)																Overall Dimensions (mm)									
		A	B	B1	C	D	E	F	G	H	K	M	N	P	S	T	KK	DH	GA	AA	AB	AC	BB	HA	HD	LA	L
225S	4~8	356	286	/	149	60	140	18	53	225	19	400	350	450	19	5	M50 x 1.5	M20x42	64	75	435	450	370	28	555	20	825
225M	2	356	311	/	149	55	110	16	49	225	19	400	350	450	19	5	M50 x 1.5	M20x42	59	75	435	450	395	28	555	20	820
225M	4~8	356	311	/	149	60	140	18	53	225	19	400	350	450	19	5	M50 x 1.5	M20x42	64	75	435	450	395	28	555	20	850
250M	2	406	311	349	168	60	140	18	53	250	24	500	450	550	19	5	M63 x 1.5	M20x42	64	80	485	490	445	30	625	22	915
250M	4~8	406	311	349	168	65	140	18	58	250	24	500	450	550	19	5	M63 x 1.5	M20x42	69	80	485	490	445	30	625	22	915
280S	2	457	368	/	190	65	140	18	58	280	24	500	450	550	19	5	M63 x 1.5	M20x42	69	85	545	550	490	35	685	22	968
280S	4~8	457	368	/	190	75	140	20	67.5	280	24	500	450	550	19	5	M63 x 1.5	M20x42	79.5	85	545	550	490	35	685	22	968
280M	2	457	419	/	190	65	140	18	58	280	24	500	450	550	19	5	M63 x 1.5	M20x42	69	85	545	550	540	35	685	22	1020
280M	4~8	457	419	/	190	75	140	20	67.5	280	24	500	450	550	19	5	M63 x 1.5	M20x42	79.5	85	545	550	540	35	685	22	1020
315S	2	508	406	/	216	65	140	18	58	315	28	600	550	660	24	6	M63 x 1.5	M20x46	69	120	630	625	570	45	845	22	1180
315S	4~8	508	406	/	216	80	170	22	71	315	28	600	550	660	24	6	M63 x 1.5	M20x46	85	120	630	625	570	45	845	22	1210
315M, L	2	508	457	508	216	65	140	18	58	315	28	600	550	660	24	6	M63 x 1.5	M20x46	69	120	630	625	680	45	845	22	1290
315M, L	4~8	508	457	508	216	80	170	22	71	315	28	600	550	660	24	6	M63 x 1.5	M20x46	85	120	630	625	680	45	845	22	1320
355M, L	2	610	560	630	254	75	140	20	67.5	355	28	740	680	800	24	6	M63 x 1.5	M20x46	79.5	120	730	710	750	52	970	25	1526
355M, L	4~8	610	560	630	254	95	170	25	86	355	28	740	680	800	24	6	M63 x 1.5	M20x46	100	120	730	710	750	52	970	25	1556

Frame sizes of 225S-355L have 8 identical holes for dimension S
Distance from flange to shaft shoulder = 0 mm

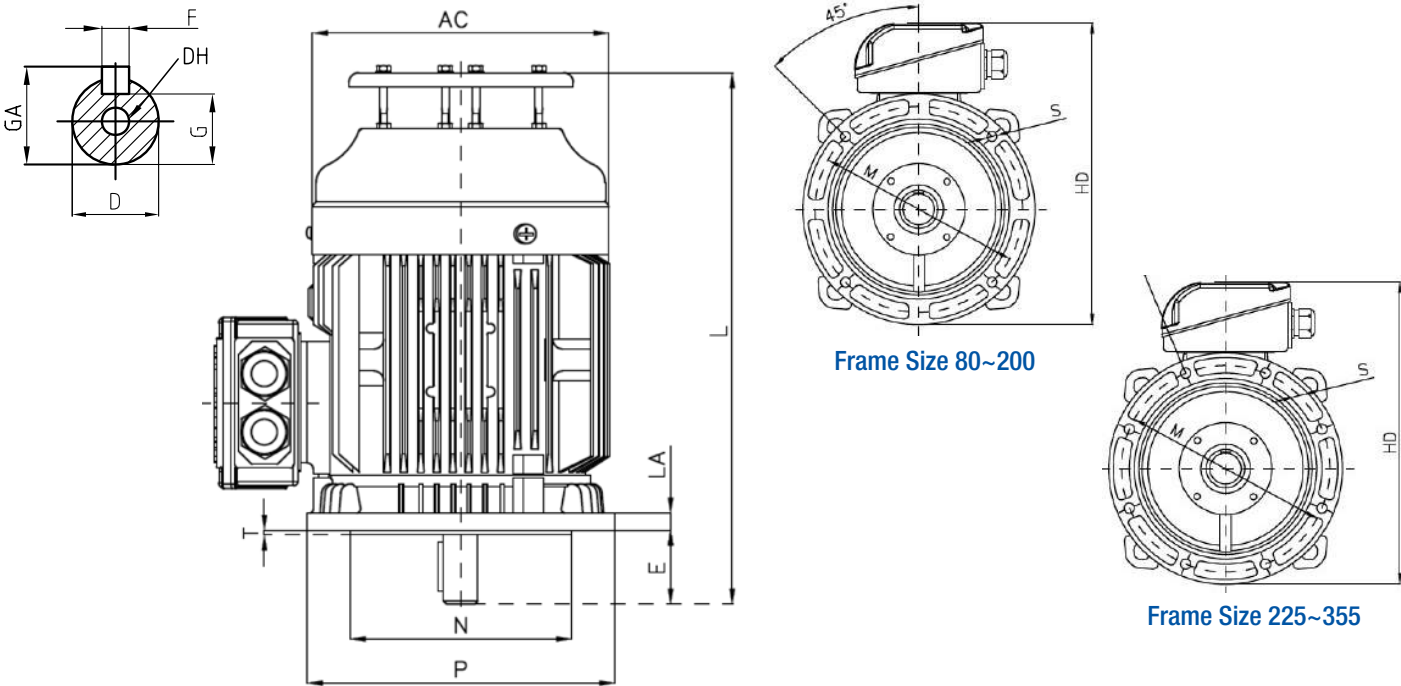
WE B5 MOUNTING AND OVERALL DIMENSIONS



Frame Size	Poles	Mounting Dimensions (mm)											Overall Dimensions (mm)				
		D	E	F	G	M	N	P	S	T	KK	DH	GA	AC	HD	LA	L
80	2~6	19	40	6	15.5	165	130	200	4-Φ12	3.5	M25x1.5	M6x16	21.5	165	243	12	310
90S	2~6	24	50	8	20	165	130	200	4-Φ12	3.5	M25x1.5	M8x20	27	180	257	12	320
90L	2~6	24	50	8	20	165	130	200	4-Φ12	3.5	M25x1.5	M8x20	27	180	257	12	345
100L	2~6	28	60	8	24	215	180	250	4-Φ15	4	M25x1.5	M10x25	31	220	294	13	388
112M	2~6	28	60	8	24	215	180	250	4-Φ15	4	M32x1.5	M10x25	31	220	317	14	390
132S	2~6	38	80	10	33	265	230	300	4-Φ15	4	M32x1.5	M12x30	41	260	357	14	462
132M	2~6	38	80	10	33	265	230	300	4-Φ15	4	M32x1.5	M12x30	41	260	357	14	490
160M	2~8	42	110	12	37	300	250	350	4-Φ19	5	M40x1.5	M16x36	45	315	424	15	614
160L	2~8	42	110	12	37	300	250	350	4-Φ19	5	M40x1.5	M16x36	45	315	424	15	658
180M	2, 4	48	110	14	42.5	300	250	350	4-Φ19	5	M40x1.5	M16x36	51.5	360	440	15	690
180L	4,6,8	48	110	14	42.5	300	250	350	4-Φ19	5	M40x1.5	M16x36	51.5	360	440	15	728
200L	2~8	55	110	16	49	350	300	400	4-Φ19	5	M50x1.5	M20x42	59	400	492	17	780
225S	4, 8	60	140	18	53	400	350	450	8-Φ19	5	M50x1.5	M20x42	64	450	540	20	825
225M	2	55	110	16	49	400	350	450	8-Φ19	5	M50x1.5	M20x42	59	450	540	20	820
225M	4~8	60	140	18	53	400	350	450	8-Φ19	5	M50x1.5	M20x42	64	450	540	20	850
250S,M	2	60	140	18	53	500	450	550	8-Φ19	5	M63x1.5	M20x42	64	485	639	22	915
250S,M	4~8	65	140	18	58	500	450	550	8-Φ19	5	M63x1.5	M20x42	69	485	639	22	915
280S	2	65	140	18	58	500	450	550	8-Φ19	5	M63x1.5	M20x42	69	550	685	22	968
280S	4~8	75	140	20	67.5	500	450	550	8-Φ19	5	M63x1.5	M20x42	79.5	550	685	22	968
280M	2	65	140	18	58	500	450	550	8-Φ19	5	M63x1.5	M20x42	69	550	685	22	1020
280M	4~8	75	140	20	67.5	500	450	550	8-Φ19	5	M63x1.5	M20x42	79.5	550	685	22	1020

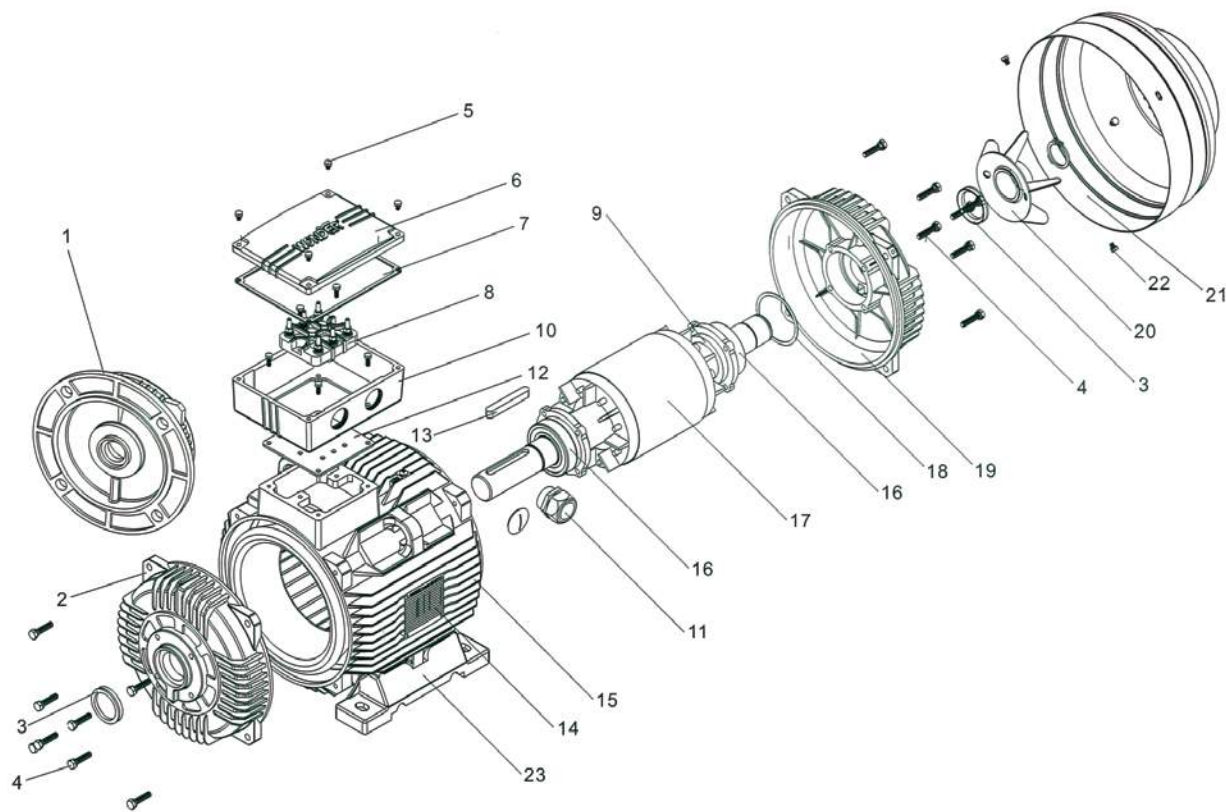
For dimension S- frame sizes of 80-200L have 4 identical holes and frame sizes of 225S-280M have 8 identical holes.

WE V1 MOUNTING AND OVERALL DIMENSIONS



Frame Size	Poles	Mounting Dimensions (mm)											Overall Dimensions (mm)				
		D	E	F	G	M	N	P	S	T	KK	DH	GA	AC	HD	LA	L
80	2~6	19	40	6	15.5	165	130	200	4-Φ12	3.5	M25 x 1.5	M6x16	21.5	165	243	12	349
90S	2~6	24	50	8	20	165	130	200	4-Φ12	3.5	M25 x 1.5	M8x20	27	175	257	12	362
90L	2~6	24	50	8	20	165	130	200	4-Φ12	3.5	M25 x 1.5	M8x20	27	175	257	12	387
100L	2~6	28	60	8	24	215	180	250	4-Φ15	4	M25 x 1.5	M10x25	31	220	294	13	428
112M	2~6	28	60	8	24	215	180	250	4-Φ15	4	M32 x 1.5	M10x25	31	225	317	14	436
132S	2~6	38	80	10	33	265	230	300	4-Φ15	4	M32 x 1.5	M12x30	41	260	357	14	508
132M	2~6	38	80	10	33	265	230	300	4-Φ15	4	M32 x 1.5	M12x30	41	260	357	14	538
160M	2~8	42	110	12	37	300	250	350	4-Φ19	5	M40 x 1.5	M16x36	45	315	424	15	660
160L	2~8	42	110	12	37	300	250	350	4-Φ19	5	M40 x 1.5	M16x36	45	315	424	15	704
180M	2, 4	48	110	14	42.5	300	250	350	4-Φ19	5	M40 x 1.5	M16x36	51.5	360	440	15	744
180L	4~8	48	110	14	42.5	300	250	350	4-Φ19	5	M40 x 1.5	M16x36	51.5	360	440	15	782
200L	2~8	55	110	16	49	350	300	400	4-Φ19	5	M50 x 1.5	M20x42	59	400	492	17	849
225S	4, 8	60	140	18	53	400	350	450	8-Φ19	5	M50 x 1.5	M20x42	64	450	540	20	911
225M	2	55	110	16	49	400	350	450	8-Φ19	5	M50 x 1.5	M20x42	59	450	540	20	895
225M	4~8	60	140	18	53	400	350	450	8-Φ19	5	M50 x 1.5	M20x42	64	450	540	20	935
250S,M	2	60	140	18	53	500	450	550	8-Φ19	5	M63 x 1.5	M20x42	64	490	639	22	1010
250S,M	4~8	65	140	18	58	500	450	550	8-Φ19	5	M63 x 1.5	M20x42	69	490	639	22	1010
280S	2	65	140	18	58	500	450	550	8-Φ19	5	M63 x 1.5	M20x42	69	550	685	22	1082
280S	4~8	75	140	20	67.5	500	450	550	8-Φ19	5	M63 x 1.5	M20x42	79.5	550	685	22	1080
280M	2	65	140	18	58	500	450	550	8-Φ19	5	M63 x 1.5	M20x42	69	550	685	22	1133
280M	4~8	75	140	20	67.5	500	450	550	8-Φ19	5	M63 x 1.5	M20x42	79.5	550	685	22	1131
315S	2	65	140	18	58	600	550	660	8-Φ24	6	M63 x 1.5	M20x46	69	625	845	22	1324
315S	4~8	80	170	22	71	600	550	660	8-Φ24	6	M63 x 1.5	M20x46	85	625	845	22	1354
315M,L	2	65	140	18	58	600	550	660	8-Φ24	6	M63 x 1.5	M20x46	69	625	845	22	1427
315M,L	4~8	80	170	22	71	600	550	660	8-Φ24	6	M63 x 1.5	M20x46	85	625	845	22	1457
355M,L	2	75	140	20	67.5	740	680	800	8-Φ24	6	M63 x 1.5	M20x46	79.5	710	970	25	1665
355M,L	4~8	95	170	25	86	740	680	800	8-Φ24	6	M63 x 1.5	M24x56	100	710	970	25	1700

For dimension S- frame sizes of 80-200L have 4 identical holes and frame sizes of 225S-355L have 8 identical holes.



1. This catalogue is only a reference for users. The data may be changed, please contact us before,ordering.
2. Note type, rated output, synchronous speed, voltage and frequency, insulation class, mounting type etc. When ordering.
3. For special requirement, please contact us, we may deliver following special type of motor:
(1) Voltage: such as 420V.
(2) Frequency 60Hz.
(3) Duble end shaft.
(4) motor for tropical humid climate.

1. Flange B5
2. End shield B3
3. V-ring
4. Screws for fixing end shield
5. Screws for fixing terminal box cover
6. Terminal box cover IP55
7. Terminal box seal
8. Terminal board complete with components
9. Bearing cover
10. Terminal box base
11. Cable gland and plug
12. Terminal base seal
13. Key
14. Name plate
15. Frame
16. Bearings
17. Rotor with shaft complete
18. Spring washer
19. NDE shield
20. Cooling fan
21. Fan cover
22. Screws for fixing fan cover
23. Feet

* Data are subjected to revisions without any prior notice.

RANGE OF PRODUCTS

- Three phase asynchronous squirrel-cage & slip ring induction motors
- Three phase asynchronous self-braking motors
- Hollow shaft rotor motors
- Cooling tower motors
- High Efficiency motors, (IE2) (IE3)
- Explosion-proof & increased safety motors
- Anchor winch motors
- High temperature resistant motors
- Geared motors

MOTORS CAN BE CUSTOMIZED IN ACCORDANCE TO CUSTOMERS' MECHANICAL & ELECTRICAL REQUIREMENTS:

1. IP56
2. IP65
3. IP66
4. Class H Insulation
5. Multi-speed
6. Special paint finish
7. Corrosion proof
8. Special voltage/frequency (Hz)
9. PTC thermistor for heater thermal protection
10. Anti-Condensation Heater
11. Sun Canopy
12. TENV/TEAO Motors
13. Class H / High Temp Motors
14. VSD Motors
15. Double Ended Shaft

Note: The technical data in this catalogue only for reference. Continuous development of our products entitles us to change the specification without notice. If any doubts, please contact with us.

Distributor: