

# IE2 Electric Motors



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## WEA SERIES, ALUMINIUM, 3 PHASE

T on the suffix of the descriptive code indicates Thermistor fitted as standard

Three Phase High Efficiency TEFC Aluminium Induction Motor

WEA range includes:

- Frame size: 71-180
- Output power: 0.37kw-22kw
- No. of poles: 2, 4, 6, 8
- Degree of protection: IP55, IP56, IP65, IP66
- Voltage: rated voltage 400V, from 220V to 690V may be supplied on request
- Frequency: 50Hz or 60Hz
- Insulation Class: "F" class as standard, "H" class is available upon request
- Temperature: Class B (80K)
- Enclosure: TEFC

- Bearing: SKF/NTN/NSK
- Basic type of construction: B3, B5, B35, B14, B34
- Cooling method: IC411
- IE2 Efficiency testing method: IEC60034-2-1;2007



Other options can be offered as required:

- Thermal sensors: PTC, PT100 for windings and/or bearings
- Space heater for anti-humidity
- Driving application: NU roller bearings, angular contact bearings, insulated bearing
- Cast iron DE cover: for larger bearings and more stable running
- Special painting: for hazardous environments such as highly humid, highly salty areas
- Stainless steel shaft: stronger rigidity, anti-corrosion
- Terminal box: from D-end, can be on top, right and left (because of flexible feet mounting)
- Cable gland and blind cap: plastic, copper, steel, stainless steel, fly lead
- IP56, IP65, IP66
- Power factor: 1.0, 1.15, 1.25
- IC410, TENV enclosure
- H insulation class, higher environmental temperature
- Thermistors fitted as standard
- Drip proof cowl and rain canopy
- FDF unit
- Tropicalisation



4 Pole, 400V/50Hz, B35 (Foot & Flange) Mounting, IP55 Rated

0452	KW	Frame Size	Model	£
WEA712-4	0.37	71	WEA712-4 0.37KW 400/3/50 B35T	89.80
WEA801-4	0.55	80M1	WEA80M1-4 0.55KW 400/3/50 B35T	122.70
WEA802-4	0.75	80M2	WEA80M2-4 0.75KW 400/3/50 B35	148.20
WEA905-4	1.1	90S	WEA90S-4 1.1KW 400/3/50 B35	184.55
WEA90L-4	1.5	90L	WEA90L-4 1.5KW 400/3/50 B35	202.35
WEA100L1-4	2.2	100L1	WEA100L1-4 2.2KW 400/3/50 B35	266.60
WEA100L2-4	3	100L2	WEA100L2-4 3.0KW 400/3/50 B35	279.30
WEA112M-4	4	112M	WEA112M-4 4.0KW 400/3/50 B35	341.30
WEA132S-4	5.5	132S	WEA132S-4 5.5KW 400/3/50 B35	473.60
WEA132M-4	7.5	132M	WEA132M-4 7.5KW 400/3/50 B35	546.00
WEA160M-4	11.0	160M	WEA160M-4 11.0KW 400/3/50 B35T	905.95
WEA160L-4	15.0	160L	WEA160L-4 15.0KW 400/3/50 B35T	1084.65
WEA180M-4	18.5	180M	WEA180M-4 18.5KW 400/3/50 B35T	1251.85
WEA180L-4	22.0	180L	WEA180L-4 22.0KW 400/3/50 B35T	1375.50



4 Pole, 400V/50Hz, B3 Mounting, IP55 Rated

0452	KW	Frame Size	Model	£
WEA712-4-B3	0.37	71	WEA712-4 0.37KW 400/3/50 B3T	85.55
WEA801-4-B3	0.55	80M1	WEA80M1-4 0.55KW 400/3/50 B3T	116.85
WEA802-4-B3	0.75	80M2	WEA80M2-4 0.75KW 400/3/50 B3T	160.30
WEA905-4-B3	1.1	90S	WEA90S-4 1.1KW 400/3/50 B3T	202.00
WEA90L-4-B3	1.5	90L	WEA90L-4 1.5KW 400/3/50 B3T	219.80
WEA100L1-4-B3	2.2	100L1	WEA100L1-4 2.2KW 400/3/50 B3T	286.40
WEA100L2-4-B3	3	100L2	WEA100L2-4 3.0KW 400/3/50 B3T	299.10
WEA112M-4-B3	4	112M	WEA112M-4 4.0KW 400/3/50 B3T	365.85
WEA132S-4-B3	5.5	132S	WEA132S-4 5.5KW 400/3/50 B3T	589.40
WEA132M-4-B3	7.5	132M	WEA132M-4 7.5KW 400/3/50 B3T	516.95
WEA160M-4-B3	11.0	160M	WEA160M-4 11.0KW 400/3/50 B3T	908.25
WEA160L-4-B3	15.0	160L	WEA160L-4 15.0KW 400/3/50 B3T	1087.35
WEA180M-4-B3	18.5	180M	WEA180M-4 18.5KW 400/3/50 B3T	1255.00
WEA180L-4-B3	22.0	180L	WEA180L-4 22.0KW 400/3/50 B3T	1378.95

2 Pole, 400V/50Hz, B35 (Foot & Flange) Mounting, IP55 Rated

0452	KW	Frame Size	Model	£
WEA711-2	0.37	71	WEA71-2 0.37 KW 400/3/50 B35T	89.55
WEA712-2	0.55	71	WEA71-2 0.55 KW 400/3/50 B35T	94.00
WEA801-2	0.75	80M1	WEA80M1-2 0.75 KW 400/3/50 B35T	118.80
WEA802-2	1.1	80M2	WEA80M2-2 1.1 KW 400/3/50 B35T	133.50
WEA905-2	1.5	90S	WEA90S-2 1.5 KW 400/3/50 B35T	174.15
WEA90L-2	2.2	100L1	WEA90L-2 2.2 KW 400/3/50 B35T	194.40
WEA100L-2	3	100L2	WEA100L2-2 3.0 KW 400/3/50 B35T	269.85
WEA112M-2	4	112M	WEA112M-2 4.0 KW 400/3/50 B35T	305.75
WEA132S1-2	5.5	132S1	WEA132S1-2 5.5 KW 400/3/50 B35T	439.05
WEA132S2-2	7.5	132S2	WEA132S2-2 7.5 KW 400/3/50 B35T	468.70
WEA160M1-2	11.0	160M1	WEA160M1-2 11.0 KW 400/3/50 B35T	839.60
WEA160M2-2	15.0	160M2	WEA160M2-2 15.0 KW 400/3/50 B35T	907.60
WEA160L-2	18.5	160L	WEA160L-2 18.5 KW 400/3/50 B35T	1021.15
WEA180M-2	22.0	180M	WEA180M-2 22.0 KW 400/3/50 B35T	1261.90

2 Pole, 400V/50Hz, B3 Mounting, IP55 Rated

0452	KW	Frame Size	Model	£
WEA711-2-B3	0.37	71	WEA71-2 0.37 KW 400/3/50 B3T	85.35
WEA712-2-B3	0.55	71	WEA71-2 0.55 KW 400/3/50 B3T	89.50
WEA801-2-B3	0.75	80M1	WEA80M1-2 0.75 KW 400/3/50 B3T	113.15
WEA802-2-B3	1.1	80M2	WEA80M2-2 1.1 KW 400/3/50 B3T	127.10
WEA905-2-B3	1.5	90S	WEA90S-2 1.5 KW 400/3/50 B3T	165.85
WEA90L-2-B3	2.2	100L1	WEA90L-2 2.2 KW 400/3/50 B3T	185.10
WEA100L-2-B3	3	100L2	WEA100L-2 3.0 KW 400/3/50 B3T	257.00
WEA112M-2-B3	4	112M	WEA112M-2 4.0 KW 400/3/50 B3T	291.20
WEA132S1-2-B3	5.5	132S1	WEA132S1-2 5.5 KW 400/3/50 B3T	418.20
WEA132S2-2-B3	7.5	132S2	WEA132S2-2 7.5 KW 400/3/50 B3T	446.35
WEA160M1-2-B3	11.0	160M1	WEA160M1-2 11.0 KW 400/3/50 B3T	799.50
WEA160M2-2-B3	15.0	160M2	WEA160M2-2 15.0 KW 400/3/50 B3T	864.35
WEA160L-2-B3	18.5	160L	WEA160L-2 18.5 KW 400/3/50 B3T	972.60
WEA180M-2-B3	22.0	180M	WEA180M-2 22.0 KW 400/3/50 B3T	1201.80