IE3 Electric Motors

WONDER POWER

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In addition to saved energy costs, Wonderpower high efficiency motors also help save operating costs by providing increased reliability, reduced downtime and lower maintenance costs. They have a better tolerance to thermal stresses, an improved ability to handle overload conditions, higher resistance to abnormal operating conditions, and an increased tolerance to inconsistent and noisy voltage and current wave shapes.

Other options can be offered as required:

Three phase NEMA super efficiency motors
Fan motors
Smoke extraction motors

For an easy conversion, there is no change in size for efficiency class IE3.

SWE SERIES, CAST IRON , 3 PHASE

Three Phase Premium Efficiency Asynchronous Motor

Strong, resistant to deformation and wear, Wonderpower cast iron electric motors are ideal for use in many applications including marine equipment, machinery and air compressors.

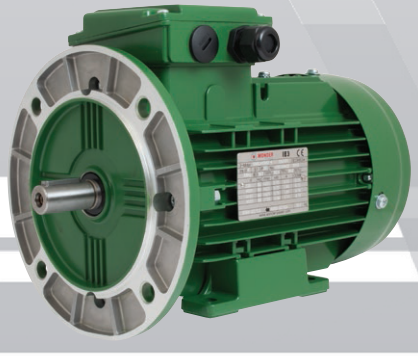
SWE series range includes:

Frame size: 160-355
Output power: 7.5kW-315kW
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
IE3 efficiency testing method: IEC60034-2-1;2007
AS/NZS 1359.5:2004 HEFF-B, testing Method B

All motors come supplied with Thermistors as standard

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 bearings
- Paint suitable for hazardous environments including high humidity and highly salty areas
- Stainless steel shaft: stronger rigidity, anti- corrosion
- Terminal box: from D-end, can be on top, right or left
- Cable gland and blind cap: plastic, copper, steel or stainless steel, fly lead
- IP56, IP65, IP66
- Power factor: 1.0, 1.15, 1.25
- IC410, TENV enclosure
- H insulation class for higher temperature environments
- Rain canopy
- FDF unit
- Tropicalisation



CE

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

0452	KW	Frame Size	Model	£
SWE160M-4	11	160M	SWE160M-4 11.0KW 400/3/50 B35	1089.35
SWE160L-4	15	160L	SWE160L-4 15.0KW 400/3/50 B35	1300.20
SWE180M-4	18.5	180M	SWE180M-4 18.5KW 400/3/50 B35	1602.40
SWE180L-4	22	180L	SWE180L-4 22.0KW 400/3/50 B35	1690.55
SWE200L-4	30	200L	SWE200L-4 30.0KW 400/3/50 B35	2180.30
SWE225S-4	37	225S	SWE225S-4 37.0KW 400/3/50 B35	2707.60
SWE225M-4	45	225M	SWE225M-4 45.0KW 400/3/50 B35	3031.65
SWE250M-4	55	250M	SWE250M-4 55.0KW 400/3/50 B35	3429.25
SWE280S-4	75	280S	SWE280S-4 75.0KW 400/3/50 B35	4951.05
SWE280M-4	90	280M	SWE280M-4 90.0KW 400/3/50 B35	5576.10
SWE315S-4	110	315S	SWE315S-4 110.0KW 400/3/50 B35	9487.50
SWE315M-4	132	315M	SWE315M-4 132.0KW 400/3/50 B35	10038.25
SWE315L1-4	160	315L1	SWE315L1-4 160KW 400/3/50 B35	11044.45

CE

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

0452	KW	Frame Size	Model	£
SWE160M-4-B3	11	160M	SWE160M-4 11.0KW 400/3/50 B3	1165.15
SWE160L-4-B3	15	160L	SWE160L-4 15.0KW 400/3/50 B3	1376.00
SWE180M-4-B3	18.5	180M	SWE180M-4 18.5KW 400/3/50 B3	1713.45
SWE180L-4-B3	22	180L	SWE180L-4 22.0KW 400/3/50 B3	1801.55
SWE200L-4-B3	30	200L	SWE200L-4 30.0KW 400/3/50 B3	2316.55
SWE225S-4-B3	37	225S	SWE225S-4 37.0KW 400/3/50 B3	2894.00
SWE225M-4-B3	45	225M	SWE225M-4 45.0KW 400/3/50 B3	3218.05
SWE250M-4-B3	55	250M	SWE250M-4 55.0KW 400/3/50 B3	3656.80
SWE280S-4-B3	75	280S	SWE280S-4 75.0KW 400/3/50 B3	5222.00
SWE280M-4-B3	90	280M	SWE280M-4 90.0KW 400/3/50 B3	5847.05
SWE315S-4-B3	110	315S	SWE315S-4 110.0KW 400/3/50 B3	9919.80
SWE315M-4-B3	132	315M	SWE315M-4 132.0KW 400/3/50 B3	10470.65
SWE315L1-4-B3	160	315L1	SWE315L1-4 160KW 400/3/50 B3	11476.80