

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IE3 Three-Phase Product code : 14377106

Frame	: L112M	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 5.5 kW (7.5 HP)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 380/660 V	Altitude	: 1000 m.a.s.l.
Rated current	: 10.8/6.20 A	Protection degree	: IP55
L. R. Amperes	: 100/57.7 A	Cooling method	: IC411 - TEFC
LRC	: 9.3	Rotation ¹	: Both (CW and CCW)
No load current	: 4.10/3.35 A	Noise level ²	: 64.0 dB(A)
Rated speed	: 2890 rpm	Starting method	: Direct On Line
Slip	: 3.67 %	Approx. weight ³	: 55.0 kg
Rated torque	: 18.2 Nm		
Locked rotor torque	: 280 %		
Breakdown torque	: 370 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0109 kgm ²		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	87.2	88.2	89.2	Max. traction : 1052 N
Power Factor	0.00	0.72	0.82	0.87	Max. compression : 1591 N

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
11.6	9.6	9.4	6.0	4.0	2.7	1.8

	Drive end	Non drive end
Bearing type	:	
Sealing	:	V'Ring
Lubrication interval	:	0 h
Lubricant amount	:	0 g
Lubricant type	:	00088

Notes
W22 - IE3

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

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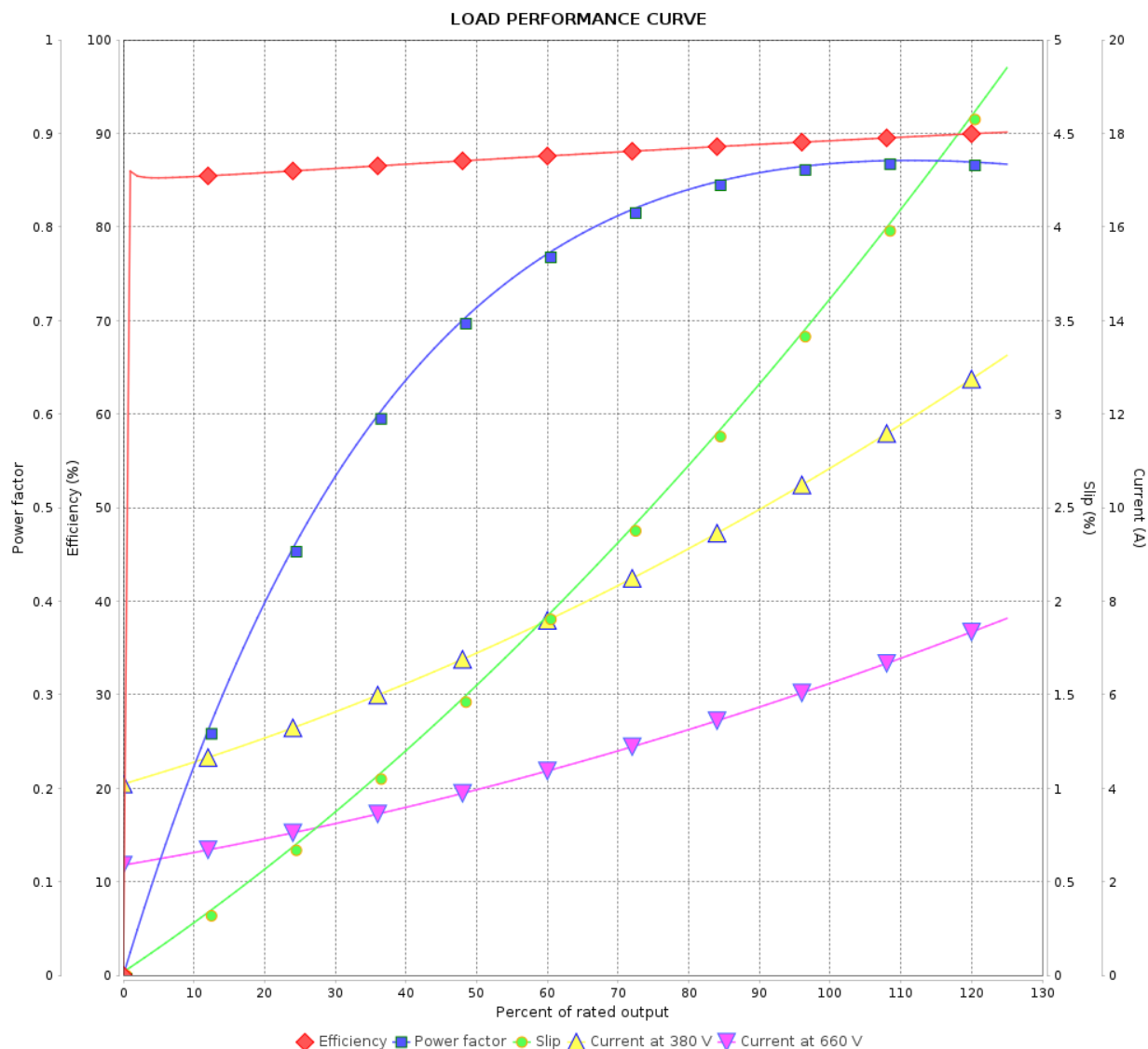
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IE3 Three-Phase

Product code : 14377106



Performance : 380/660 V 50 Hz 2P

Rated current : 10.8/6.20 A
LRC : 9.3
Rated torque : 18.2 Nm
Locked rotor torque : 280 %
Breakdown torque : 370 %
Rated speed : 2890 rpm

Moment of inertia (J) : 0.0109 kgm²
Duty cycle : S1
Insulation class : F
Service factor : 1.00
Temperature rise : 80 K
Design : N

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