

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 P Base NEMA Premium Efficiency Three-Phase Product code : 19047927

Frame	: 254HP	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 15 HP (11 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208 V	Altitude	: 1000 m.a.s.l.
Rated current	: 39.3 A	Protection degree	: IP55
L. R. Amperes	: 259 A	Cooling method	: IC411 - TEFC
LRC	: 6.6x(Code G)	Mounting	: W-6
No load current	: 15.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1770 rpm	Noise level ²	: 64.0 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 6.15 kgfm	Approx. weight ³	: 114 kg
Locked rotor torque	: 220 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0986 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	92.3	92.4	92.4	Max. traction : 0 kgf
Power Factor	0.00	0.70	0.80	0.84	Max. compression : 0 kgf

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)
8.0	6.7	6.2	3.9	2.7	1.8	1.2

	Drive end	Non drive end
Bearing type	: 6311 C3	: 6209 C3
Sealing	: V'Ring	: V'Ring
Lubrication interval	: 15000 h	: 19000 h
Lubricant amount	: 18 g	: 9 g
Lubricant type	: Mobil Polyrex EM	

Notes

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 NEMA MG-1.

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LOAD PERFORMANCE CURVE

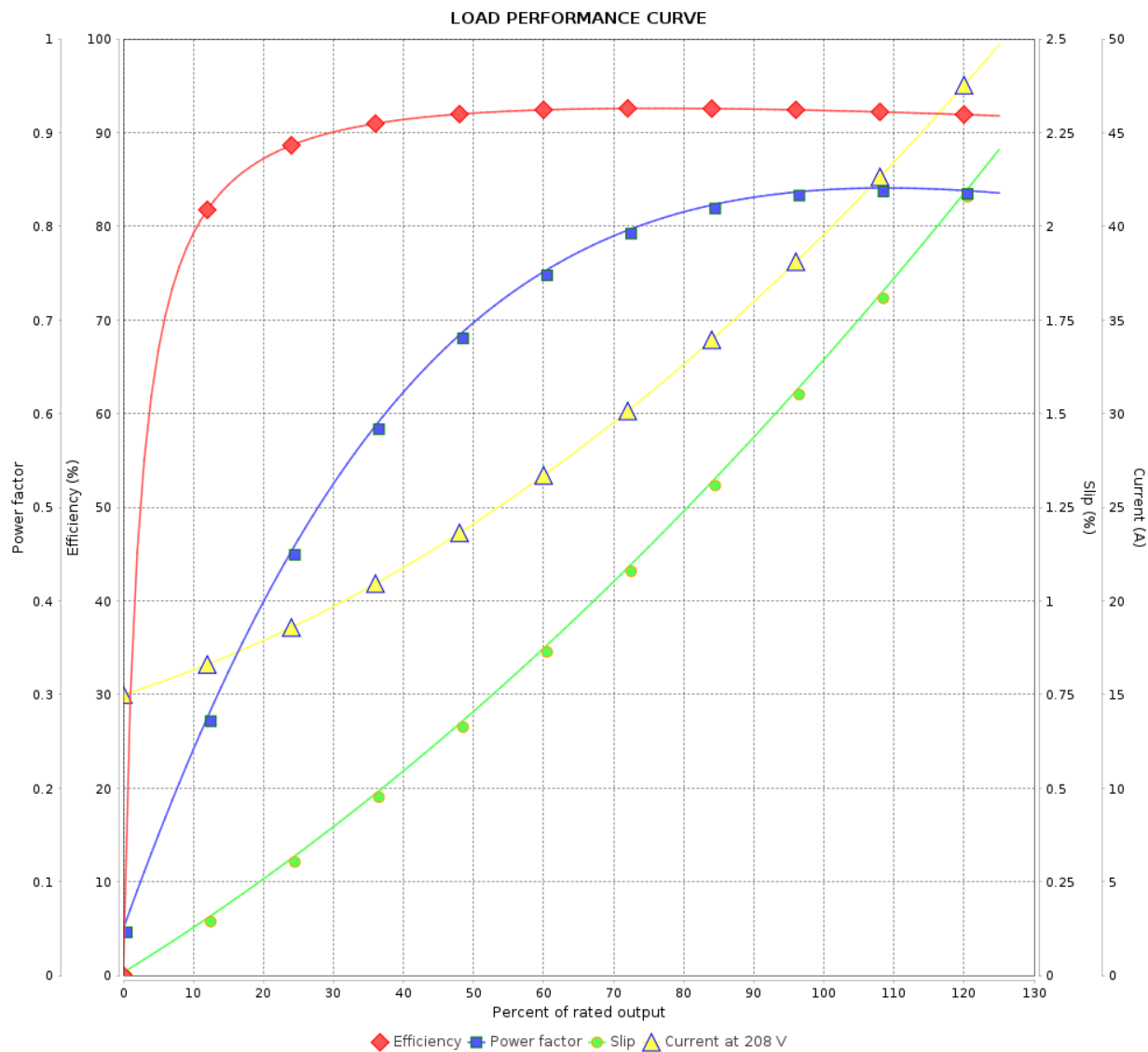
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 P Base NEMA Premium
Efficiency Three-Phase

Product code : 19047927



Performance : 208 V 60 Hz 4P

Rated current : 39.3 A
LRC : 6.6
Rated torque : 6.15 kgfm
Locked rotor torque : 220 %
Breakdown torque : 229 %
Rated speed : 1770 rpm

Moment of inertia (J) : 0.0986 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

Rev.	Changes Summary		Performed	Checked	Date
Performed by		Page 2 / 2 Revision			
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