

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase Product code : 14282928

Frame	: 444/5TS	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 200 HP (150 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 191 A	Protection degree	: IP23
L. R. Amperes	: 1184 A	Cooling method	: IC01 - ODP
LRC	: 6.2x(Code G)	Mounting	: F-1
No load current	: 61.2 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1778 rpm	Noise level ²	: 78.0 dB(A)
Slip	: 1.22 %	Starting method	: Direct On Line
Rated torque	: 81.5 kgfm	Approx. weight ³	: 583 kg
Locked rotor torque	: 180 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.78 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	94.5	95.0	95.0	Max. traction : 1208 kgf
Power Factor	0.00	0.73	0.81	0.83	Max. compression : 1791 kgf

	Drive end	Non drive end
Bearing type	: 6314 C3	: 6212 Z C3
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 20000 h	: 20000 h
Lubricant amount	: 27 g	: 13 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.

Rev.	Changes Summary	Performed	Checked	Date
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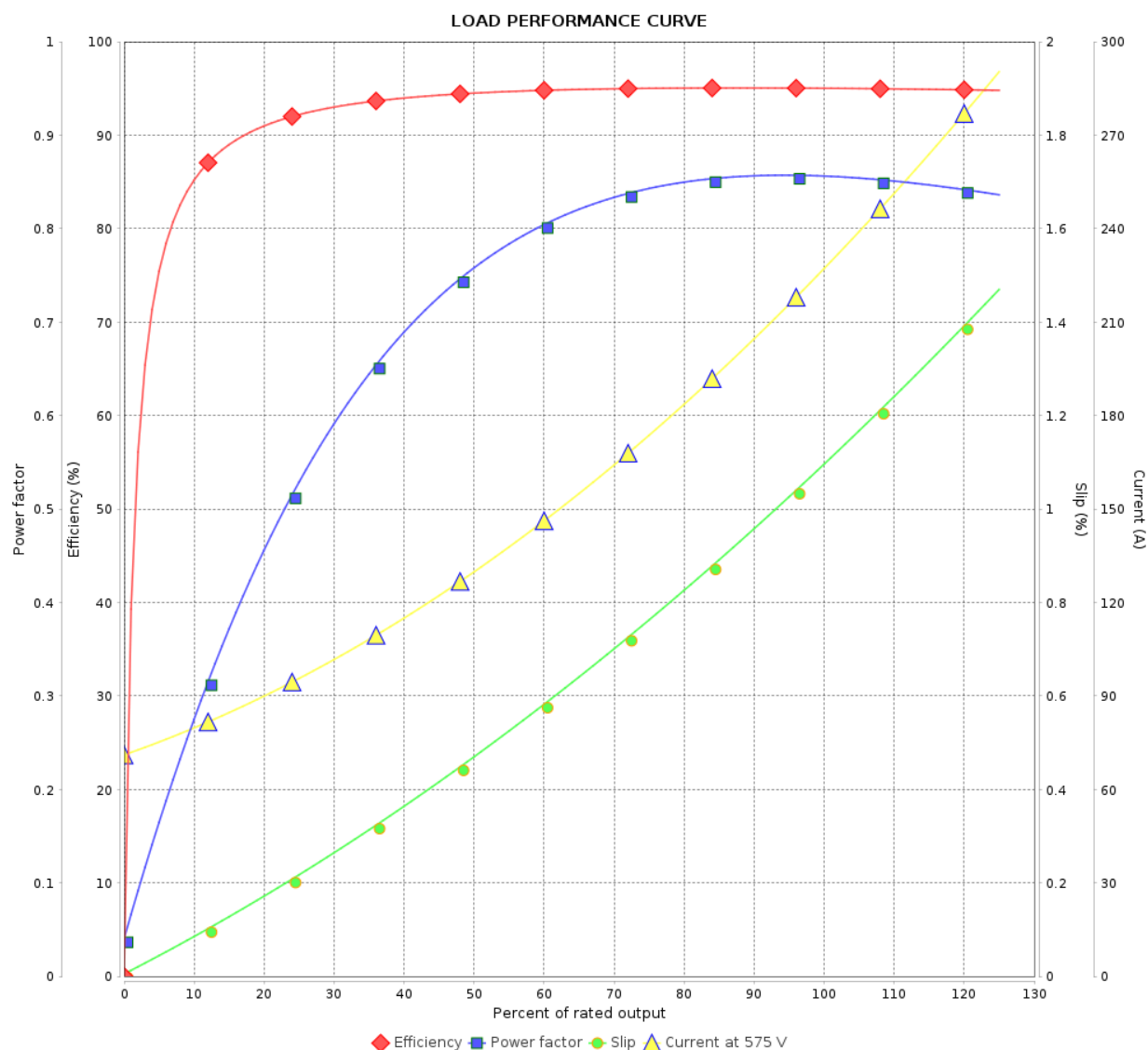
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase Product code : 14282928



Performance : 575 V 60 Hz 4P

Rated current	: 191 A	Moment of inertia (J)	: 1.78 kgm ²
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 81.5 kgfm	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 210 %	Temperature rise	: 80 K
Rated speed	: 1778 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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