DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase

Product code : 12706984

Frame	: 254/6TC	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 23.3 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 147 A	Mounting	: F-1
LRC	: 6.3x(Code G)	Rotation[1]	: Both (CW and CCW)
No load current	: 9.12 A	Noise level[2]	: 70.0 dB(A)
Rated speed	: 3530 rpm	Starting method	: Direct On Line
Slip	: 1.94 %	Approx. weight[3]	: 88.9 kg
Rated torque	: 5.14 kgfm		
Locked rotor torque	: 180 %		
Breakdown torque	: 290 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0386 kgm²		
Design	: B		

Output	50%	75%	100%
Efficiency (%)	91.0	91.7	91.7
Power Factor	0.73	0.83	0.87

Foundation loads

Max. traction : 190 kgf

Max. compression : 279 kgf

		Drive end	Non drive end
Bearing type	:	6309 Z C3	6208 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	13 g	8 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

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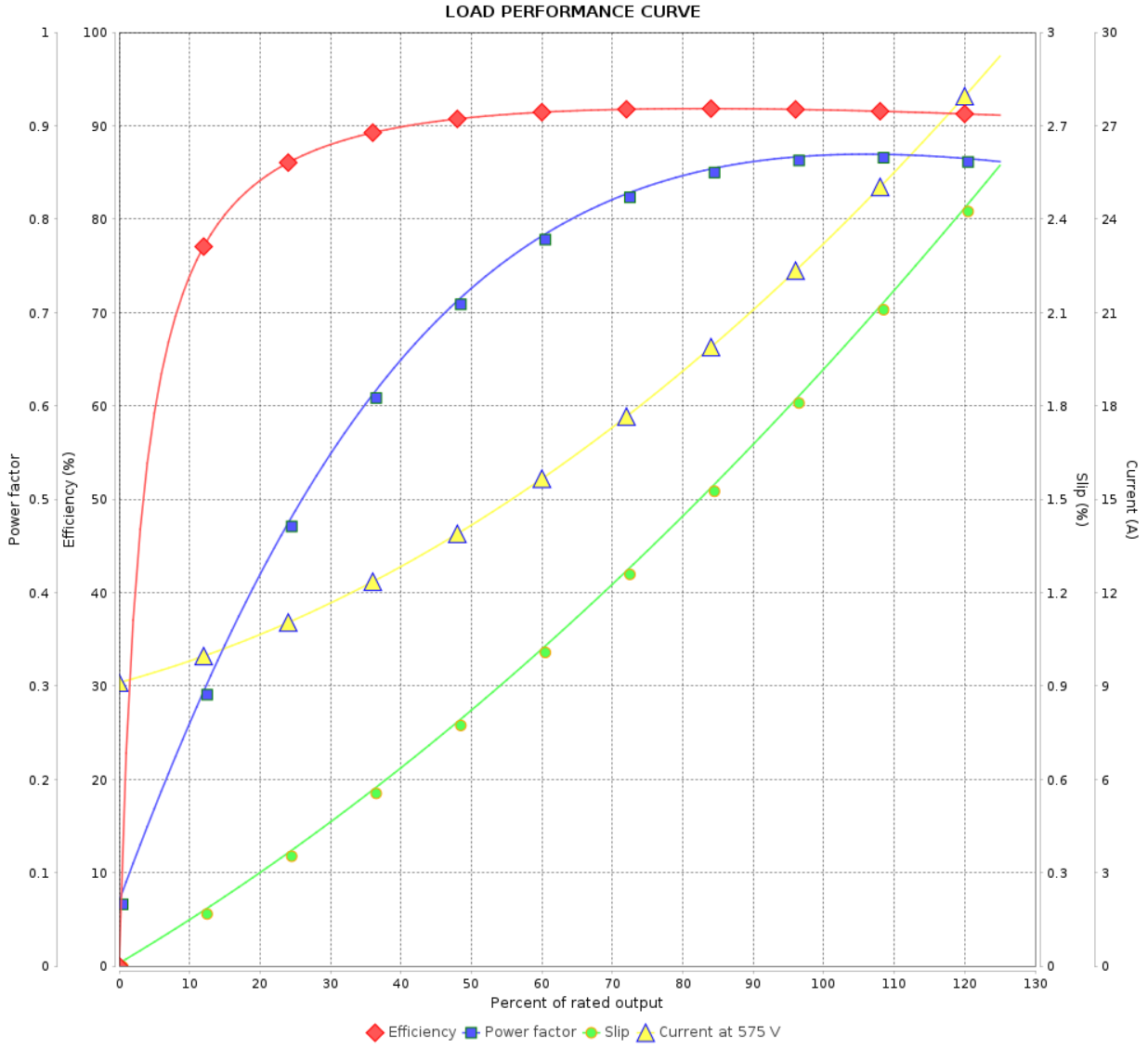
Customer	:		
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase	Product code :	12706984



Performance	: 575 V 60 Hz 2P		
Rated current	: 23.3 A	Moment of inertia (J)	: 0.0386 kgm²
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 5.14 kgfm	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3530 rpm	Design	: B

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