DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Explosion Proof Standard Efficiency Three-Phase

Product code : 10796358

Frame	: B56EX
Output	: 0.75 HP (0.550 kW)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 575 V
Rated current	: 0.928 A
L. R. Amperes	: 5.29 A
LRC	: 5.7x(Code H)
No load current	: 0.560 A
Rated speed	: 1730 rpm
Slip	: 3.89 %
Rated torque	: 0 kgfm
Locked rotor torque	: 240 %
Breakdown torque	: 280 %
Insulation class	: B
Service factor	: 1.15
Moment of inertia (J)	: 0.0041 kgm²

Locked rotor time	: 27s (cold) 15s (hot)
Temperature rise	: 80 K
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP44
Cooling method	: IC411 - TEFC
Mounting	: F-1
Rotation[1]	: Both (CW and CCW)
Noise level[2]	: 50.0 dB(A)
Vibration	: A
Starting method	: Direct On Line
Approx. weight[3]	: 17.0 kg
	: 207N (ISO 12944 - C2)
	: RAL 7022

Output	50%	75%	100%
Efficiency (%)	77.0	80.0	81.5
Power Factor	0.53	0.66	0.74

Foundation loads

Max. traction	: 20 kgf
Max. compression	: 36 kgf

		Drive end	Non drive end
Bearing type	:	6203 ZZ	6203 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
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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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 ºC

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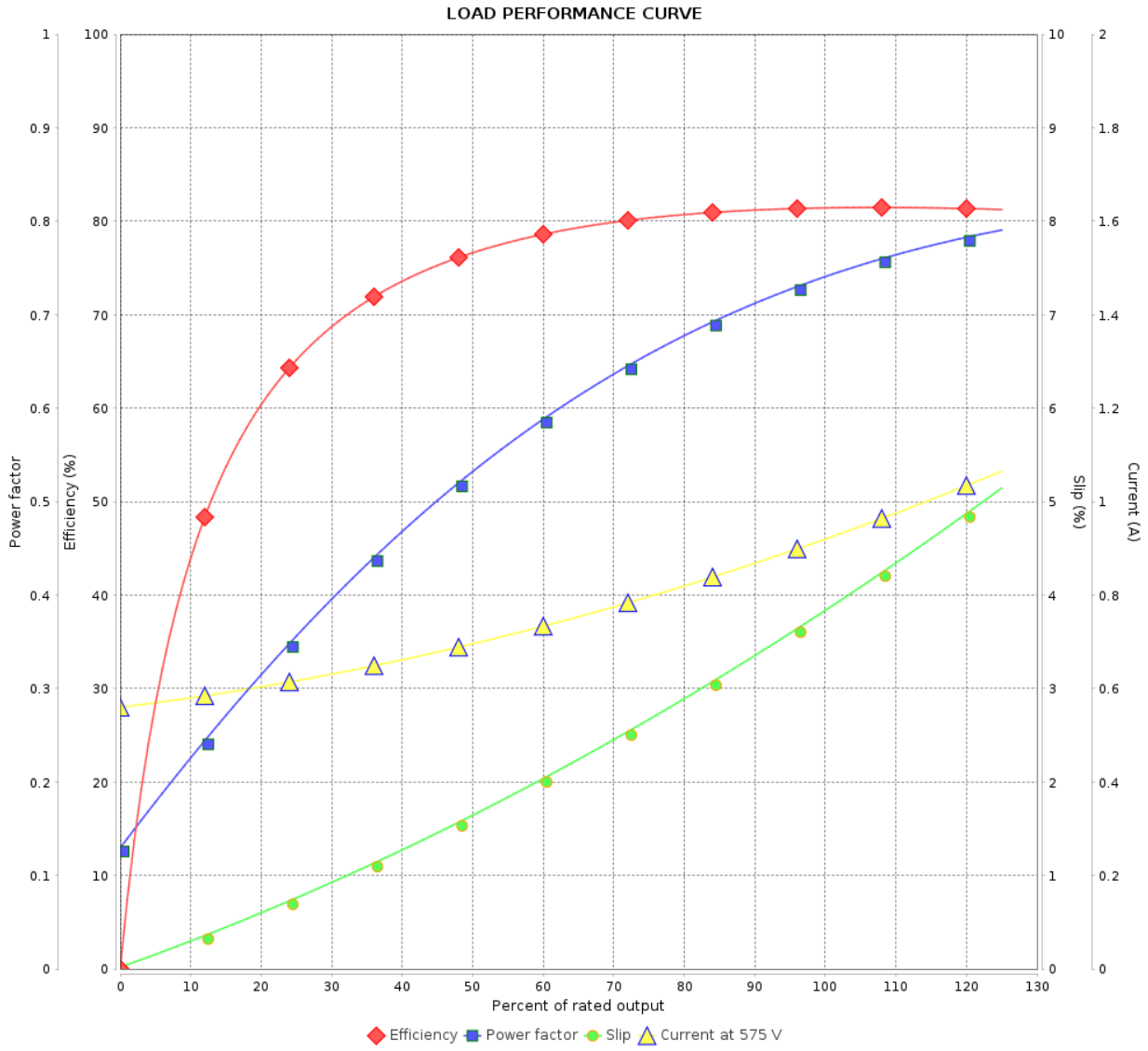
LOAD PERFORMANCE CURVE

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Product code : 10796358



Performance	: 575 V 60 Hz 4P

Rated current	: 0.928 A	Moment of inertia (J)	: 0.0041 kgm²
LRC	: 5.7	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: B
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 1730 rpm		

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