DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line	: Rolled Steel Grain Dryer Single-Phase	Product code :	13972797

Frame	: 143/5TZ	Locked rotor time	: 16s (cold) 9s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 105 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 230 V	Ambient temperature	: -20°C to +40°C
Poles	: 2	Altitude	: 1000 m.a.s.l.
Rated current	: 7.51 A	Protection degree	: IP55
	: 12.2x(Code R)	Cooling method	: IC418 - TEAO
Rated speed	: 3550 rpm	Mounting	: F-3
Rated torque	: 0.307 kgfm	Rotation[1]	: Both (CW and CCW)
Insulation class	: F	Noise level[2]	: 68.0 dB(A)
Service factor	: 1.00	Starting method	: Direct On Line
		Approx. weight[3]	: 18.6 kg

Output	25%	50%	75%	100%
Efficiency (%)	53.5	57.6	67.1	73.2
Power Factor	0.43	0.72	0.80	0.87

Foundation loads

Max. traction	: 35 kgf
Max. compression	: 54 kgf

		Drive end	Non drive end
Bearing type	:	6205 ZZ	6202 ZZ
Sealing	:	V'Ring	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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DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 ºC

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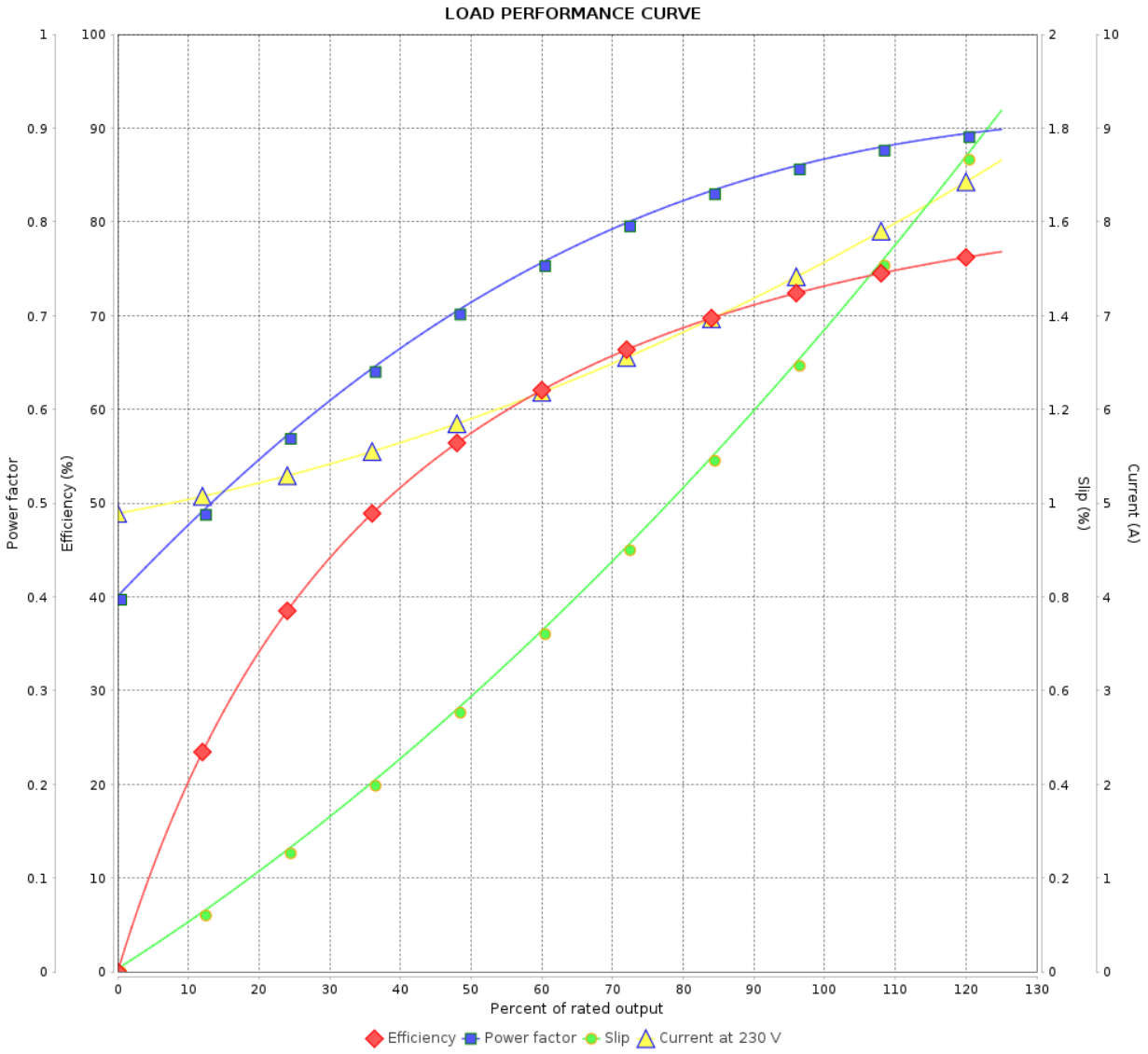
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Grain Dryer Single-Phase

Product code : 13972797



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