

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase Product code : 14770579

Frame	: 447/9T	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 400 HP (300 kW)	Temperature rise	: 105 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	: 363 A	Protection degree	: IP23
L. R. Amperes	: 2287 A	Cooling method	: IC01 - ODP
LRC	: 6.3x(Code G)	Mounting	: F-1
No load current	: 90.1 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1775 rpm	Noise level ²	: 77.0 dB(A)
Slip	: 1.39 %	Vibration	: A
Rated torque	: 163 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 200 %	Approx. weight ³	: 1052 kg
Breakdown torque	: 200 %		: 203A (ISO 12944 - C3)
Insulation class	: F		: RAL 5009
Service factor	: 1.00	Design	: B
Moment of inertia (J)	: 3.69 kgm ²		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.0	95.4	95.4	Max. traction	: 2335 kgf
Power Factor	0.00	0.81	0.85	0.87	Max. compression	: 3387 kgf

		Drive end	Non drive end
Bearing type	:	6319 C3	6314 C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	4500 h	4500 h
Lubricant amount	:	45 g	27 g
Lubricant type	:	Mobil Polyrex EM	

Notes
W40 High Efficiency

UL/Fire Pump

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	Thermistor - 2 wires	1 x Phase	155 °C

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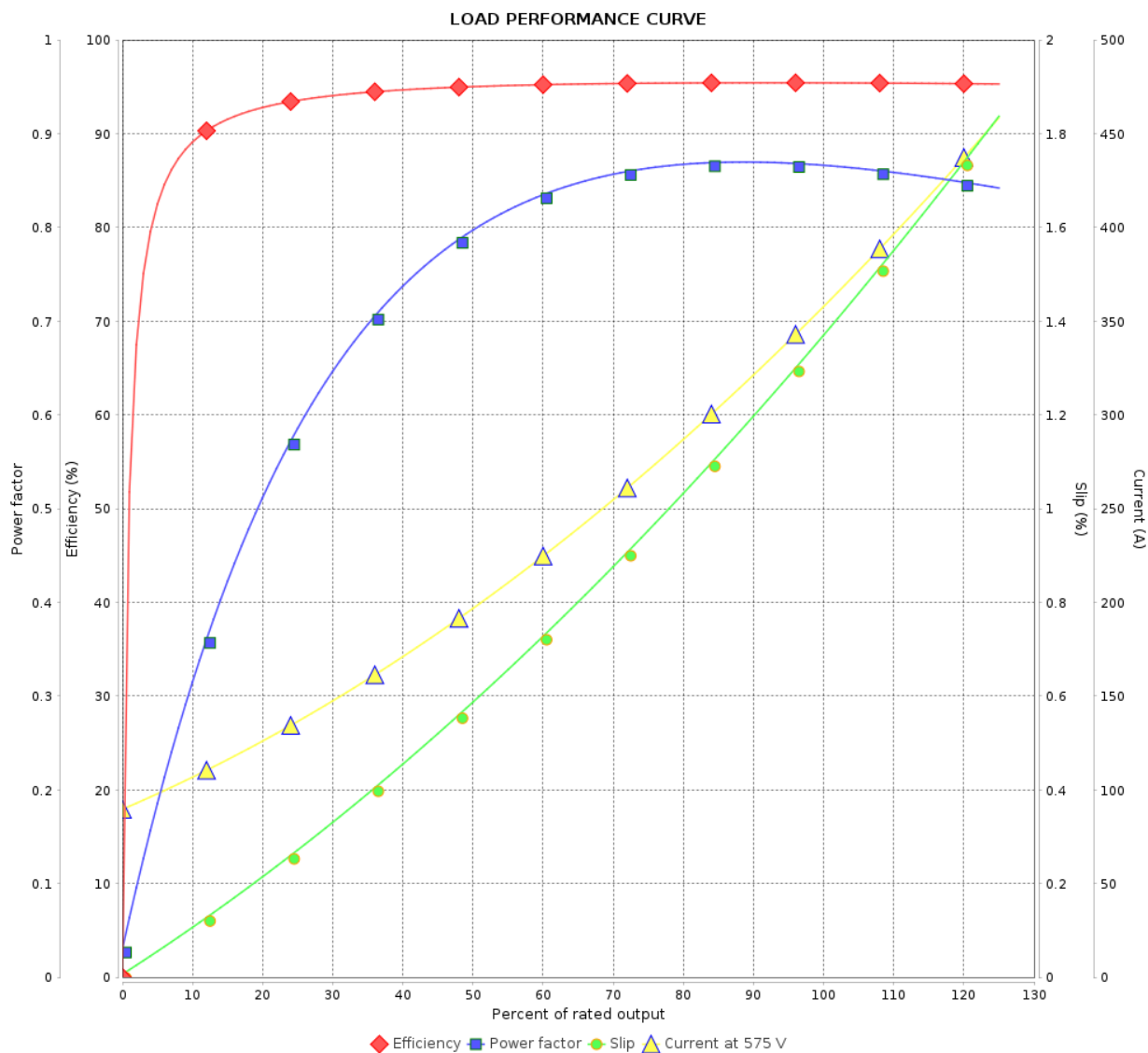
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase Product code : 14770579



Performance : 575 V 60 Hz 4P

Rated current : 363 A
LRC : 6.3
Rated torque : 163 kgfm
Locked rotor torque : 200 %
Breakdown torque : 200 %
Rated speed : 1775 rpm

Moment of inertia (J) : 3.69 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.00
Temperature rise : 105 K
Design : B

Rev.	Changes Summary	Performed	Checked	Date
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