

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase Product code : 13023332

Frame : 447/9T Output : 350 HP (260 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 317 A L. R. Amperes : 2092 A LRC : 6.6x(Code G) No load current : 100 A Rated speed : 1780 rpm Slip : 1.11 % Rated torque : 143 kgfm Locked rotor torque : 200 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 2.78 kgm ² Design : B	Locked rotor time : 18s (cold) 10s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 77.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 1050 kg
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Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	95.8	95.8	95.8	Max. traction : 2346 kgf
Power Factor	0.00	0.76	0.83	0.86	Max. compression : 3396 kgf

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type :	6319 C3	6314 C3
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	20000 h	20000 h
Lubricant amount :	45 g	27 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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Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	15/01/2024		1 / 3	

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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	15/01/2024		2 / 3	

LOAD PERFORMANCE CURVE

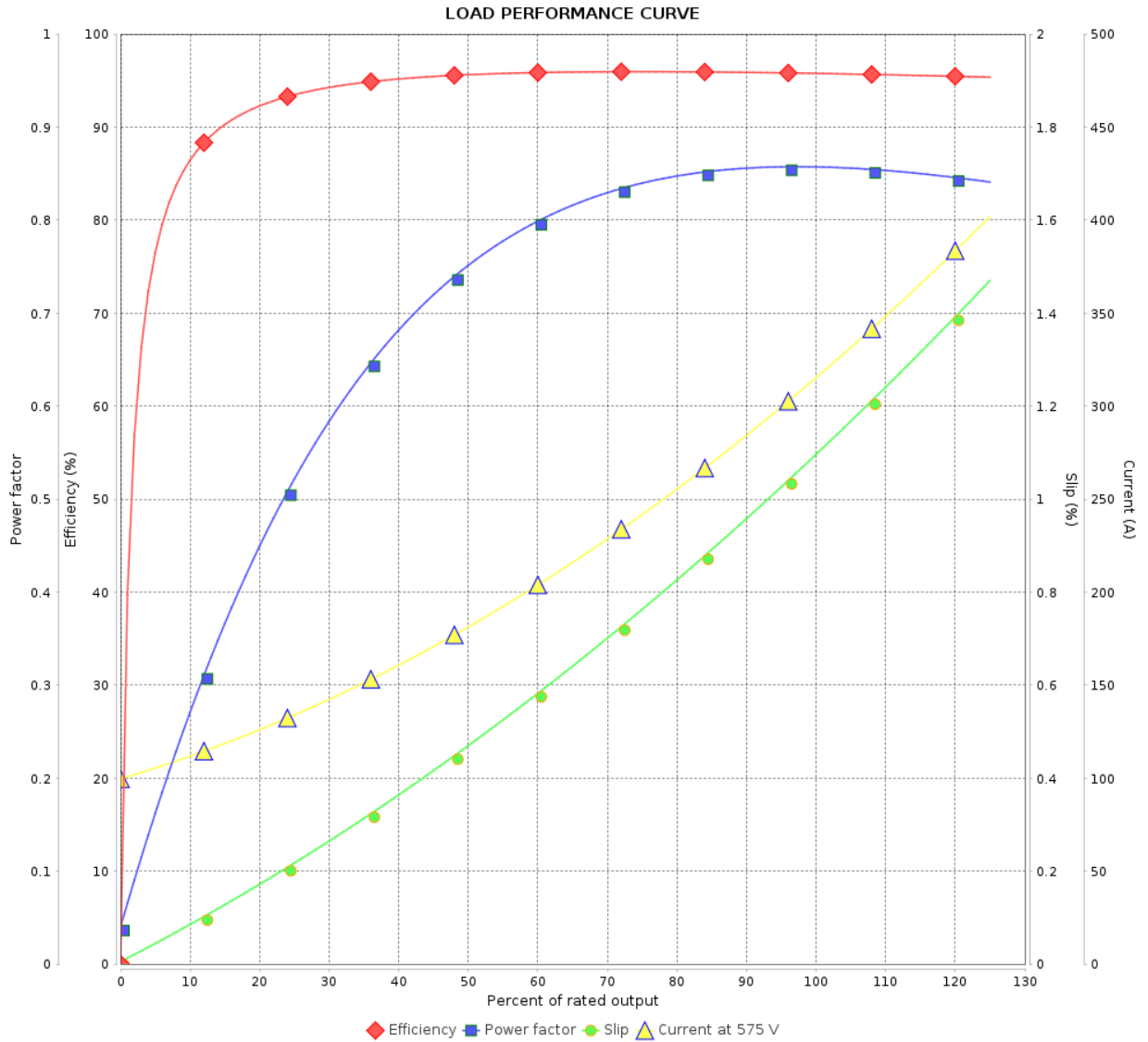
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 13023332



Performance : 575 V 60 Hz 4P

Rated current : 317 A
 LRC : 6.6
 Rated torque : 143 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 229 %
 Rated speed : 1780 rpm

Moment of inertia (J) : 2.78 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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Performed by			Page	Revision
Checked by				
Date				