DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase Product code: 13989584 Frame : W56C Cooling method : IC411 - TEFC Insulation class Mounting : F-1 : F Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line Altitude : 1000 m.a.s.l. Approx. weight³ : 10.0 kg Protection degree : IP55 Moment of inertia (J) : 0.0022 kgm² Output [HP] 0.5 0.5 0.5 Poles 4 4 Frequency [Hz] 60 50 50 Rated voltage [V] 208-230/460 220/415 190/380 Rated current [A] 1.72-1.56/0.778 1.82/0.911 1.63/0.865 L. R. Amperes [A] 11.0-9.96/4.98 8.56/4.28 8.97/4.76 LRC [A] 6.4x(Code J) 4.7x(Code G) 5.5x(Code H) No load current [A] 0.855-0.992/0.496 0.980/0.490 1.04/0.549 Rated speed [RPM] 1730 1400 1415 Slip [%] 3.89 5.67 6.67 Rated torque [kgfm] 0.256 0.210 0.259 Locked rotor torque [%] 229 170 210 Breakdown torque [%] 310 200 250 Service factor 1.15 1.15 Temperature rise 80 K 80 K 80 K 34s (cold) 19s (hot) 30s (cold) 17s (hot) Locked rotor time 36s (cold) 20s (hot) Noise level² 50.0 dB(A) 49.0 dB(A) 49.0 dB(A) 25% 50% 73.9 72.2 74.0 Efficiency (%) 75% 77.0 75.4 75.5 100% 75.3 78.5 73.5 25% 50% 0.54 0.63 0.56 Power Factor 75% 0.67 0.77 0.70 100% 0.76 0.84 0.79 Drive end Non drive end Foundation loads Bearing type 6203 ZZ 6202 ZZ Max. traction : 15 kgf Sealing V'Rina V'Ring : 25 kgf Max. compression Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM

Notes

USABLE @208V SF 1.00

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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/05/2022			1 / 4	

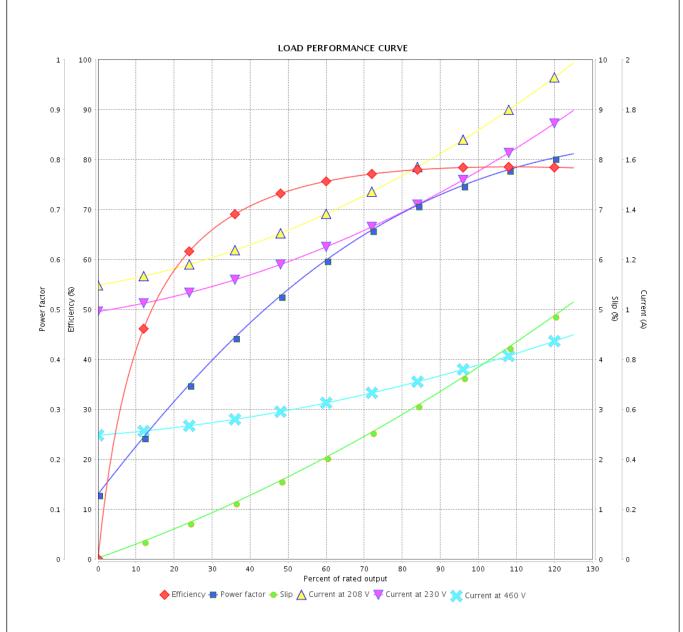
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase Product code : 13989584



Performance : 208-230/460 V 60 Hz 4P : 1.72-1.56/0.778 A : 0.0022 kgm² Rated current Moment of inertia (J) **LRC** : 6.4 Duty cycle : Cont.(S1) : 0.210 kgfm Insulation class Rated torque : F Locked rotor torque : 229 % Service factor Breakdown torque : 310 % Temperature rise : 80 K Rated speed : 1730 rpm

Rev.		Changes Summary	1	Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
Date	11/05/2022				2/4	

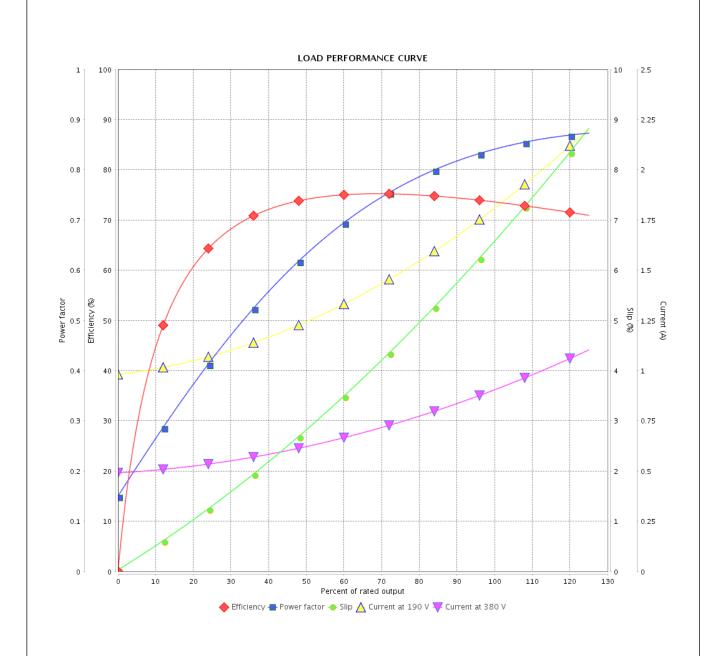
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Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Three-Phase Product code : 13989584



Performance	: 190/380 V 50 Hz 4P	: 190/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	•	Moment of Duty cycle Insulation Service fa	class ctor	: 0.0022 kgm : Cont.(S1) : F : 1.15 : 80 K	2	
Rev.	Changes Summary	1	Performed	Checked	Date	

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/05/2022			3 / 4	

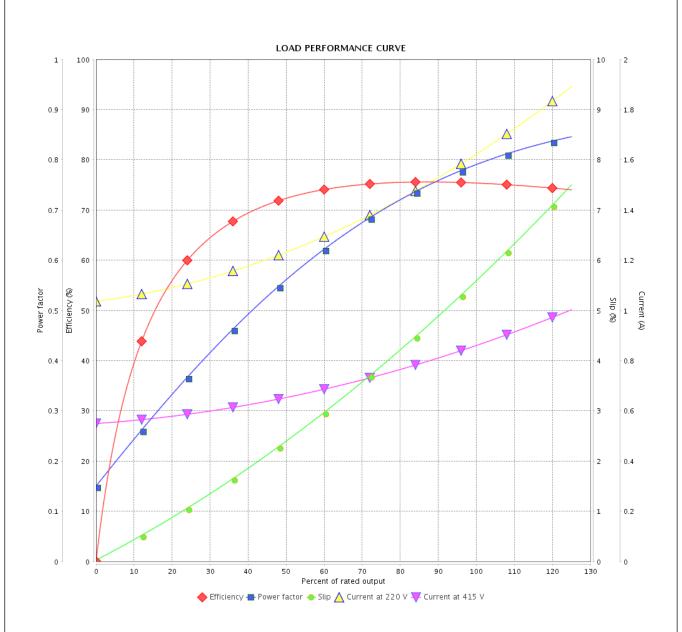
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Three Phase Induction Motor - Squirrel Cage



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Customer	

Product line : Three-Phase Product code : 13989584



Performance	: 220/415 V 50 Hz 4P		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.63/0.865 A : 5.5 : 0.256 kgfm : 210 % : 250 % : 1415 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise	: 0.0022 kgm² : Cont.(S1) : F : 1.15 : 80 K

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/05/2022			4/4	

