DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : Standard Efficiency Three-Phase Product code: 12894760 : 56HC Cooling method : IC411 - TEFC Frame Insulation class Mounting : F : F-1 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 : 14.7 kg : IP55 Moment of inertia (J) : 0.0041 kgm² Protection degree Design : A Output [HP] Poles 2 Frequency [Hz] 60 Rated voltage [V] 575 Rated current [A] 2.10 L. R. Amperes [A] 16.1 LRC [A] 7.7x(Code K) No load current [A] 0.829 Rated speed [RPM] 3475 Slip [%] 3.47 Rated torque [kgfm] 0.418 Locked rotor torque [%] 229 Breakdown torque [%] 290 Service factor 1.15 Temperature rise 80 K Locked rotor time 19s (cold) 11s (hot) Noise level² 68.0 dB(A) 25% 73.9 75.5 50% Efficiency (%) 75% 78.5 100% 0.08 25% 0.49 50% 0.76 Power Factor 75% 0.86 100% 0.90 Drive end Non drive end Foundation loads Bearing type 6204 ZZ 6202 ZZ Max. traction : 31 kgf Sealing V'Ring Without Max. compression : 46 kgf Bearing Seal Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM Notes This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (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.

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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	13/05/2022	_		1/2	

LOAD PERFORMANCE CURVE

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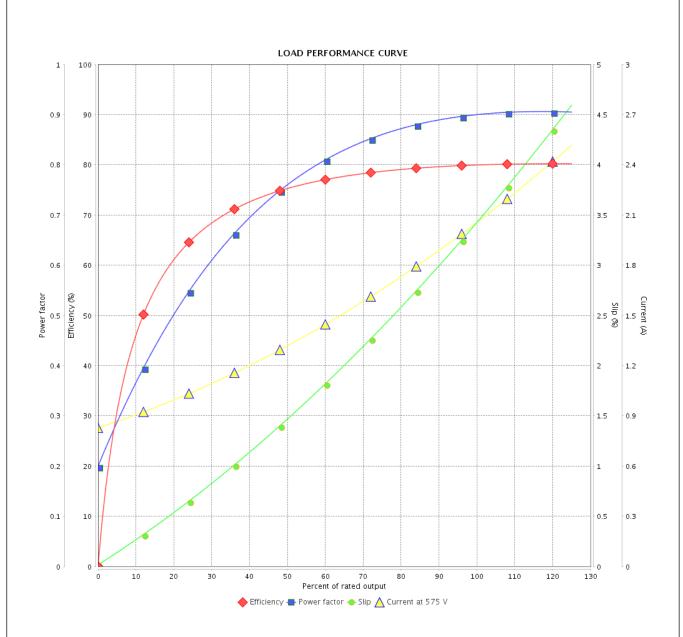


Customer

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13/05/2022

Product line : Standard Efficiency Three-Phase Product code: 12894760



Performance	: 5	575 V 60 Hz 2P					
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 7 : (ue : 2	2.10 A 7.7 0.418 kgfm 229 % 290 % 3475 rpm	Duty cycle Handle Insulation class Service factor Temperature rise		: 0.0041 kgm² : Cont.(S1) : F : 1.15 : 80 K : A		
Rev.	Changes Summary			Performed	Checked	Date	
Performed by							

Page

2/2

Revision