DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line		: Explosion Three-Pha		fficiency Product code :	10333032
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tord Breakdown torque Insulation class Service factor Moment of inerti	ue	: B56CEX : 0.5 HP (0 : 4 : 60 Hz : 575 V : 0.650 A : 4.42 A : 6.8x(Cod : 0.500 A : 1755 rpm : 2.50 % : 0.207 kgf : 220 % : 330 % : B : 1.15	e K) i	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³	: 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP44 : IC411 - TEFC : F-1 : Both (CW and CCW) : 50.0 dB(A) : Direct On Line : 15.6 kg
			_		
Output Efficiency (%) Power Factor	50% 70.0 0.52	75% 75.5 0.64	100% 77.5 0.73	Foundation loads Max. traction Max. compression	: 14 kgf : 29 kgf
Bearing type Sealing Lubrication inter Lubricant amour		: : Wit :	Drive end 6203 ZZ hout Bearing Seal - -	Non drive en 6203 ZZ Without Bearing - - - bil Polyrex FM	

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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	26/10/2024	1		1/3	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	

Thermal protection

		•		
ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	26/10/2024			2/3	

LOAD PERFORMANCE CURVE

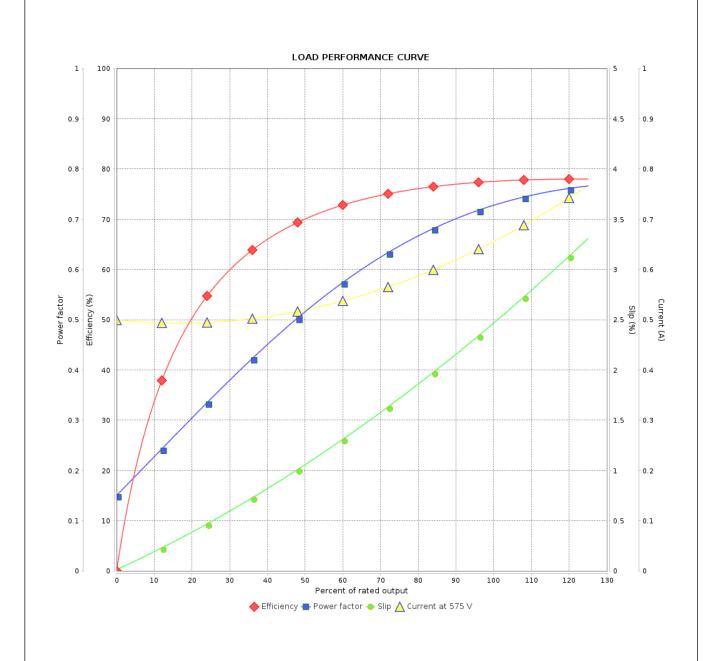
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Standard Efficiency Product code : 10333032

Three-Phase



Performance : 575 V 60 Hz 4P

Rated current : 0.650 A Moment of inertia (J) : 0.0034 kgm² **LRC** : 6.8 Duty cycle : Cont.(S1) : 0.207 kgfm Insulation class Rated torque : B Locked rotor torque : 220 % Service factor : 1.15 Breakdown torque : 330 % Temperature rise : 80 K

Rated speed : 1755 rpm

Rev. Changes Summary Performed Checked Date

 Performed by
 Page
 Revision

 Date
 26/10/2024
 3 / 3