DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line		xplosion Proo cy Three-Phas	f NEMA Premiu e	m Product code :	14283805
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia Design	9	: 182/4TC : 5 HP (3.7 kV : 4 : 60 Hz : 575 V : 5.26 A : 37.3 A : 7.1x(Code C : 2.48 A : 1750 rpm : 2.78 % : 2.07 kgfm : 229 % : 300 % : F : 1.15 : 0.0156 kgm))	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 43s (cold) 24s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 56.0 dB(A) : Direct On Line : 62.2 kg
Output Efficiency (%)	50% 86.5	75% 88.5	100% 89.5	Foundation loads Max. traction	: 99 kgf
Power Factor	0.59	0.71	0.79	Max. compression	: 161 kgf
Bearing type Sealing Lubrication interva Lubricant amount Lubricant type			rive end 6307 2RS Oil Seal - - Mo	Non drive end 6206 2RS Lip Seal - - bil 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.

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	15/01/2024			1/3	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



_	
Customer	
Customer	

Thermal protection

ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 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

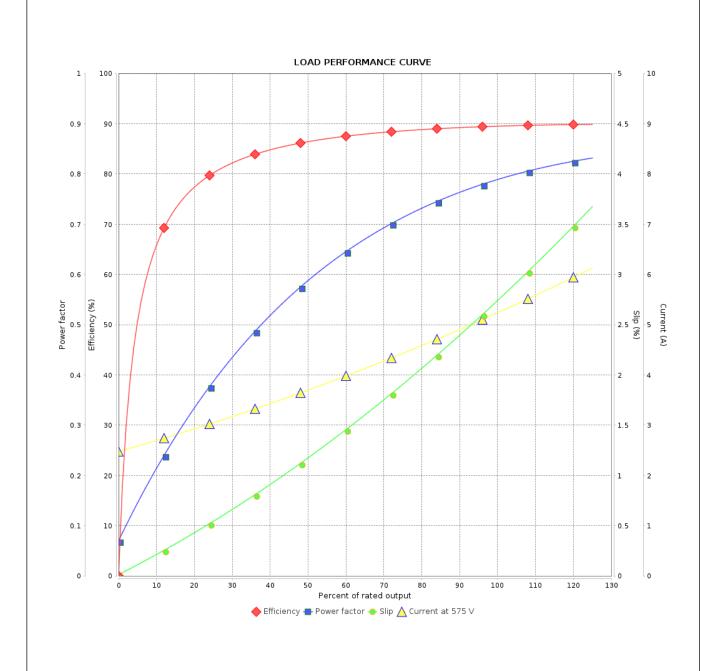


Customer :

Product line : W21 Explosion Proof NEMA Premium

Efficiency Three-Phase

Product code: 14283805



Performance	: 5	75 V 60 Hz 4P				
Rated current : 5.26 A		Moment o	Moment of inertia (J)		!	
LRC	: 7	,)	: Cont.(S1)	
Rated torque	: 2	.07 kgfm Insulation class		class	:F ´	
Locked rotor torqu	e : 2	29 %	<u> </u>		: 1.15	
Breakdown torque	: 3	00 %	Temperature rise		: 80 K	
Rated speed : 1750 rpm		750 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
, ,		_			D	Davidatas
Checked by					Page	Revision
Date	15/01/2024				3/3	