DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line		: W21 Explosion Proof NEMA Product code : 11360971 Premium Efficiency Three-Phase				
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 (J) Design		: 404/5T : 100 HP (: 4 : 60 Hz : 575 V : 90.4 A : 651 A : 7.2x(Coo : 31.2 A : 1780 rpn : 1.11 % : 40.8 kgfr : 270 % : 280 % : F : 1.15 : 1.11 kgm : B	le H) n	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 23s (cold) 13s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 75.0 dB(A) : Direct On Line : 559 kg	
Output	50%	75%	100%	Foundation loads		
Efficiency (%) Power Factor	94.5 0.72	95.0 0.82	95.4 0.87	Max. traction Max. compression	: 848 kgf : 1398 kgf	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		: : : :	Drive end NU-217 C3 Oil Seal 6536 h 21 g	Non drive end 6314 C3 Lip Seal 9789 h 27 g Iobil Polyrex EM	1	
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	30/10/2024			1/3	

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



_	
Customer	
Custoffici	

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	30/10/2024			2/3	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

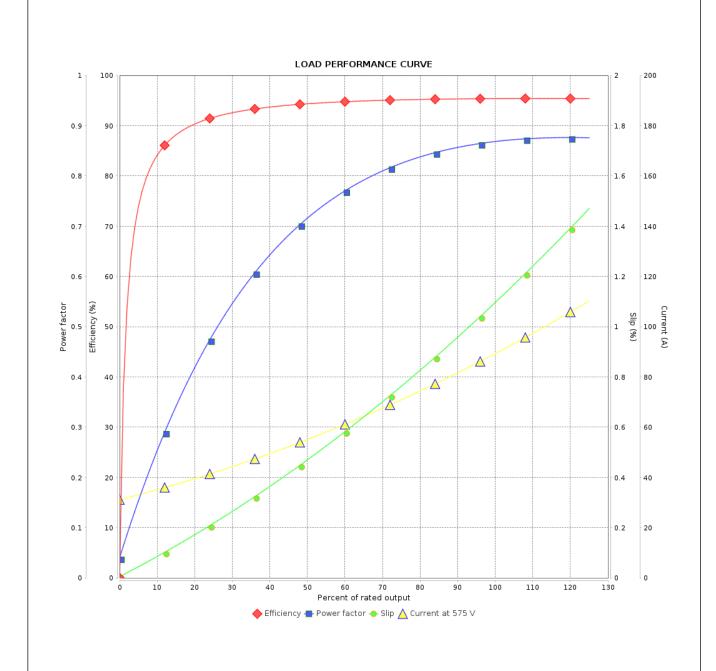


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 11360971



: 575 V 60 Hz 4P Performance : 90.4 A Rated current Moment of inertia (J) : 1.11 kgm² **LRC** : 7.2 Duty cycle : Cont.(S1) : 40.8 kgfm Insulation class : F Rated torque Locked rotor torque : 270 % Service factor : 1.15 Breakdown torque : 280 % Temperature rise : 80 K Rated speed · 1780 rpm Design

Rateu speeu	. 1	7 60 10111	Design		. Б	
Rev.	Changes Summary		1	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	30/10/2024				3/3	