DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:					
Product line		: W21 Explosion Proof NEMA Product code : 14283770 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 Insulation class Service factor Moment of inertia	ie	: 182/4TC : 5 HP (3. : 2 : 60 Hz : 575 V : 4.88 A : 36.6 A : 7.5x(Coc : 1.76 A : 3490 rpr : 3.06 % : 1.04 kgfr : 250 % : 380 % : F : 1.15 : 0.0080 k	7 kW) de J) n m	Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³	: 46s (cold) 26s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 69.0 dB(A) : Direct On Line : 60.6 kg	
Output Efficiency (%)	50% 85.5	75% 87.5	100% 88.5	Foundation loads Max. traction	: 52 kgf	
Power Factor	0.70	0.81	0.86	Max. compression	: 113 kgf	
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type		: : :	Drive end 6307 2RS Oil Seal - -	Non drive en 6206 2RS Lip Seal - - - Mobil 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.

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Customer	
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Thermal protection

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ID	Application	Туре	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

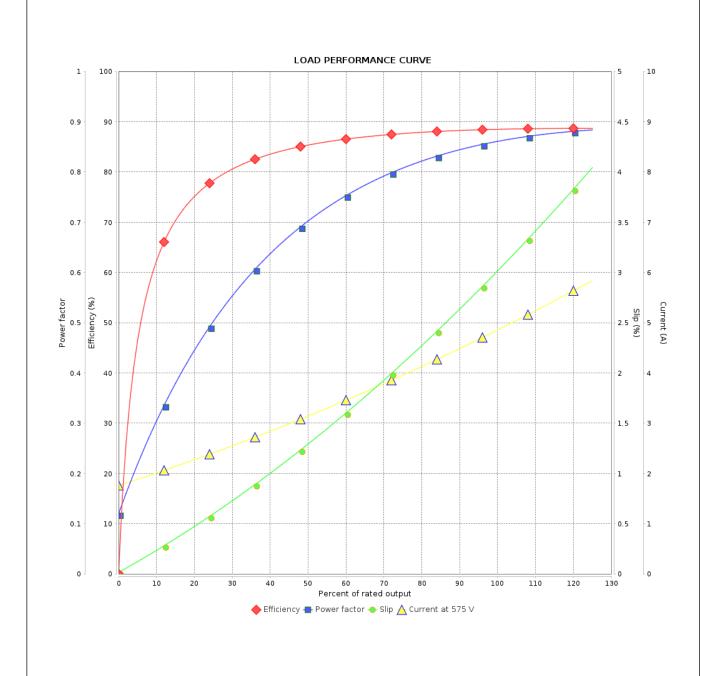
Date

28/10/2024

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14283770



Performance	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.88 A : 7.5 : 1.04 kgfm : 250 % : 380 % : 3490 rpm	Moment of in Duty cycle Insulation cla Service facto Temperature Design	iss or	: 0.0080 kgm ² : Cont.(S1) : F : 1.15 : 80 K : B	
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