DATA SHEET

Three Phase Induction Motor - Squirrel Cage

: 284T



Customer :

Frame

Insulation class

Product line : W21 Explosion Proof NEMA Product code :

Premium Efficiency Three-Phase

Cooling method : IC411 - TEFC

14407460

: F Mounting : F-1

Duty cycle : Cont.(S1) Rotation : Both (CW and CCW)
Ambient temperature : -20°C to +40°C Starting method : Direct On Line

Altitude : 1000 m.a.s.l. Approx. weight³ : 211 kg

Protection degree : IP55 Moment of inertia (J) : 0.3034 kgm²

10 8 50 415
8 50
50
415
14.8
88.8
6.0x(Code H)
6.71
735
2.00
9.87
240
229
1.00
80 K
t) 54s (cold) 30s (hot)
51.0 dB(A)
91.6
91.0
91.0
90.2
0.37
0.62
0.73
0.78
· · · · · · · · · · · · · · · · · · ·

<u>Drive end</u> <u>Non drive end</u> Foundation loads

Bearing type : 6311 C3 6211 C3 Max. traction : 219 kgf Sealing : Oil Seal Lip Seal Max. compression : 430 kgf

Lubrication interval : 20000 h 20000 h Lubricant amount : 18 g 11 g Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 29.4A SF 1.15 SFA 33.8A

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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DATA SHEET

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Customer	

Thermal protection

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

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Three Phase Induction Motor - Squirrel Cage

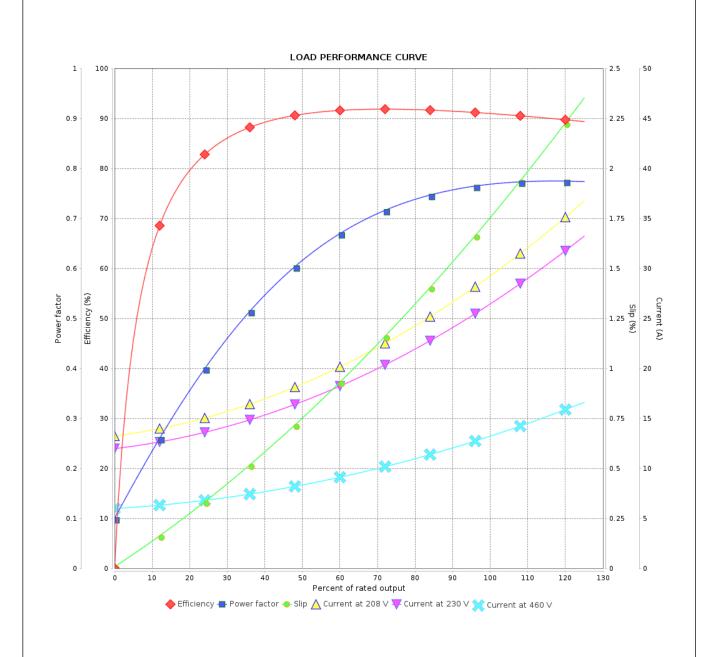


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14407460



Performance	: 230/460 V 60 Hz 8P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 26.8/13.4 A : 6.0 : 8.21 kgfm : 250 % : 240 % : 884 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.3034 kgm : Cont.(S1) : F : 1.15 : 80 K : B	2
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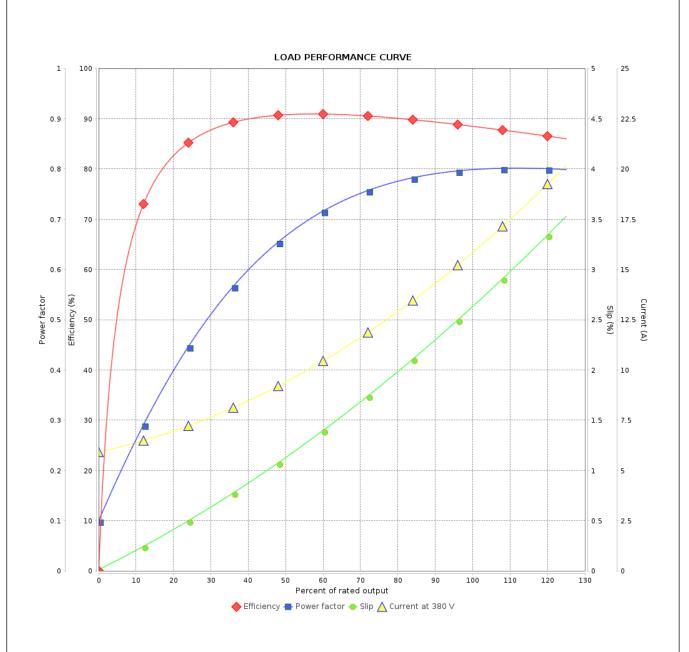


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14407460



Performance	: 38	30 V 50 Hz 8P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 6. : 9. que : 19 ie : 18	: 16.1 A Moment of inertia (J) : 0.3034 kg : 6.0 Duty cycle : Cont.(S1) : 9.94 kgfm Insulation class : F : 190 % Service factor : 1.00 : 180 % Temperature rise : 80 K : 730 rpm Design : B		Duty cycle Insulation class Service factor Temperature rise		
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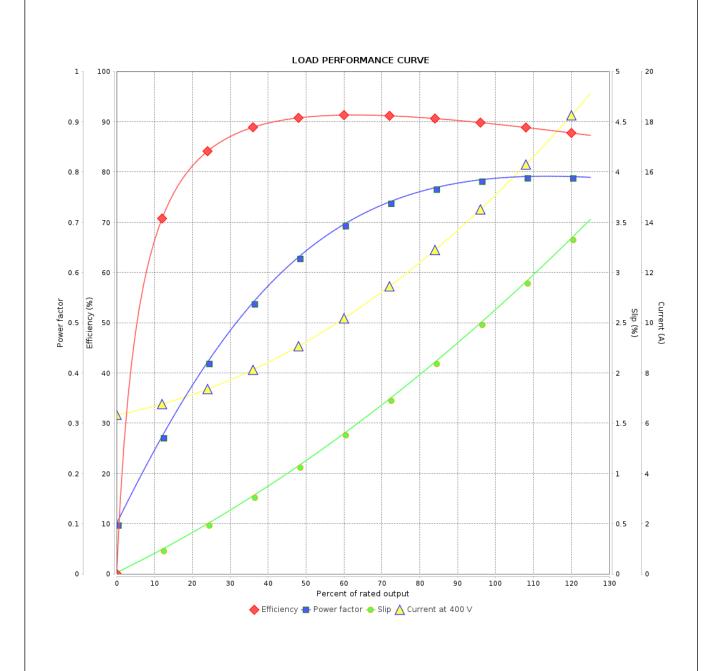


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14407460



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Rated speed	: 730 rpm	Design	: B	
Breakdown torque	: 210 %	Temperature rise	: 80 K	
Locked rotor torque	: 210 %	Service factor	: 1.00	
Rated torque	: 9.94 kgfm	Insulation class	: F	
LRC	: 6.0	Duty cycle	: Cont.(S1)	
Rated current	: 15.3 A	Moment of inertia (J)	: 0.3034 kgm²	
Performance	: 400 V 50 Hz 8P IE4			
	·	·		

Rated speed	: 73	30 rpm	Design		: B	
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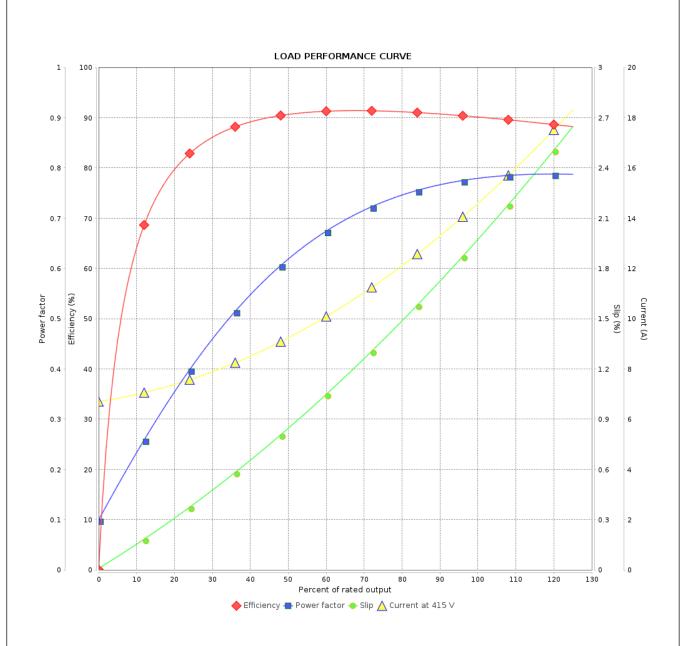


Customer :

Product line : W21 Explosion Proof NEMA

Premium Efficiency Three-Phase

Product code: 14407460



Performance : 415 V 50 Hz 8P IE4 : 14.8 A : 0.3034 kgm² Rated current Moment of inertia (J) **LRC** : 6.0 Duty cycle : Cont.(S1) : 9.87 kgfm Insulation class : F Rated torque Locked rotor torque : 240 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 735 rpm Design : B

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