DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Product line : W22 Single-Phase Product code : 14086164 Frame : 213/5T Locked rotor time : 10s (cold) 6s (hot) Output : 12.5 HP (9.2 kW) Temperature rise : 125 K Poles : 4 Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 208-230/460 V Altitude : 1000 m.a.s.l. Rated current : 54.0-52.2/26.1 A Protection degree : IP55 L. R. Amperes : 405-392/196 A Cooling method : IC411 - TEFC LRC : 7.5x(Code J) Mounting : F-1 No load current : 15.6-18.1/9.05 A Rotation¹ : Both (CW and CCW) Rated speed : 1740 rpm Noise level² : 63.0 dB(A) Slip : 3.33 % Starting method : Direct On Line Rated torque : 220 % Approx. weight³ : 93.9 kg Locked rotor torque : 240 % Approx. weight³ : 93.9 kg Output 50% 75% 100% <t< th=""><th>Customer</th><th></th><th></th><th></th></t<>	Customer			
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Efficiency (%) 77.0 81.5 82.5 Max. traction : 184 kgf	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	: 12.5 HP (9.2 kW) : 4 : 60 Hz : 208-230/460 V : 54.0-52.2/26.1 A : 405-392/196 A : 7.5x(Code J) : 15.6-18.1/9.05 A : 1740 rpm : 3.33 % : 5.21 kgfm : 220 % : 240 % : H	Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method	: 125 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC411 - TEFC : F-1 : Both (CW and CCW) : 63.0 dB(A) : Direct On Line
				. 101 kmf
				3
Bearing type : 6308 ZZ 6206 ZZ Sealing : V'Ring V'Ring Lubrication interval : Lubricant amount : Lubricant type : Mobil Polyrex EM	Sealing Lubrication interval Lubricant amount Lubricant type	: 6308 ZZ : V'Ring : -	6206 ZZ V'Ring - -	

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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	29/10/2024			1/2	

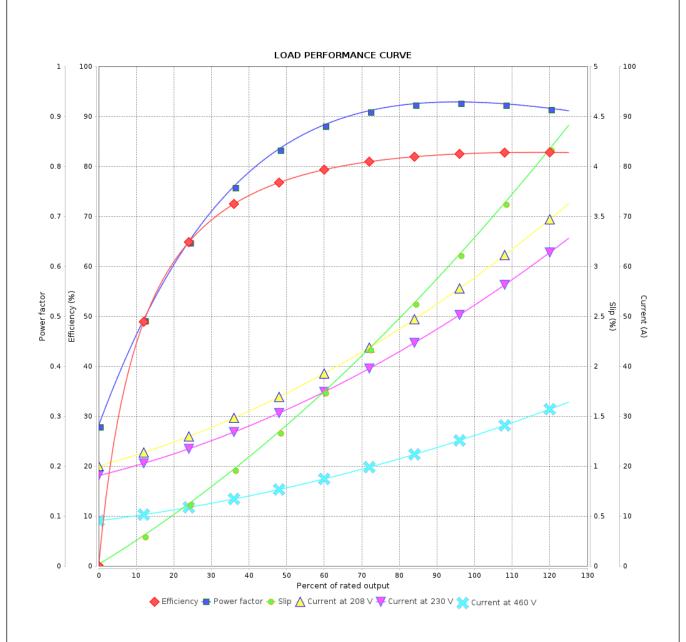
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



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Customer	
Customer	

Product line : W22 Single-Phase Product code : 14086164



Performance	: 208-230/-	460 V 60 Hz 4P			
Rated current : 54.0-52.2/26.1 A LRC : 7.5 Rated torque : 5.21 kgfm Locked rotor torque : 220 % Breakdown torque : 240 % Rated speed : 1740 rpm		Duty cycle Insulation Service fa Temperat	class ector	: 0.0543 kgm : Cont.(S1) : H : : 125 K	2
Rev.	Rev. Changes Summary		Performed	Checked	Date

Rev.	Changes Summary		Performed	Checked	Date
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Checked by				Page	Revision
Date	29/10/2024			2/2	

