DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Product line : W22 Single-Phase Product code : 14154360	Customer	:				
Output Poles : 10 HP (7.5 kW) Temperature rise Duty cycle : 80 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 : 44,5-40.8/20.4 A Protection degree : IP55 L. R. Amperes : 298-273/137 A Cooling method : IC411 - TEFC L. R. Amperes : 298-273/137 A Cooling method : IC411 - TEFC L. R. Amperes : 9.66-11.2/5.60 A Rotation¹ : Both (CW and CCW) No load current : 9.66-11.2/5.60 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 : 4.17 kgfm Approx. weight³ : 87.0 kg Locked rotor torque : 240 % Hance the control of the contro	Product line		: W22 Sin	gle-Phase	Product code :	14154360
Efficiency (%) 77.9 82.5 84.0 Max. traction : 141 kgf Power Factor 0.92 0.94 0.95 Max. compression : 228 kgf Drive end Non drive end	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torq Insulation class Service factor	ue	: 10 HP (7 : 4 : 60 Hz : 208-230/ : 44.5-40.8 : 298-273/ : 6.7x(Cod : 9.66-11.2 : 1740 rpm : 3.33 % : 4.17 kgfn : 260 % : 240 % : F	460 V 8/20.4 A 137 A le G) 2/5.60 A	Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method	: 80 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
Drive end Bearing type Drive end Game of the control of	•					
Bearing type : 6308 ZZ 6206 ZZ Sealing : V'Ring V'Ring Lubrication interval : Lubricant amount : Lubricant type : Mobil Polyrex EM	• • •					•
	Sealing Lubrication inter Lubricant amou		: : : : : : : : : : : : : : : : : : : :	6308 ZZ V'Ring - -	6206 ZZ V'Ring - -	

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	27/10/2024			1/2	

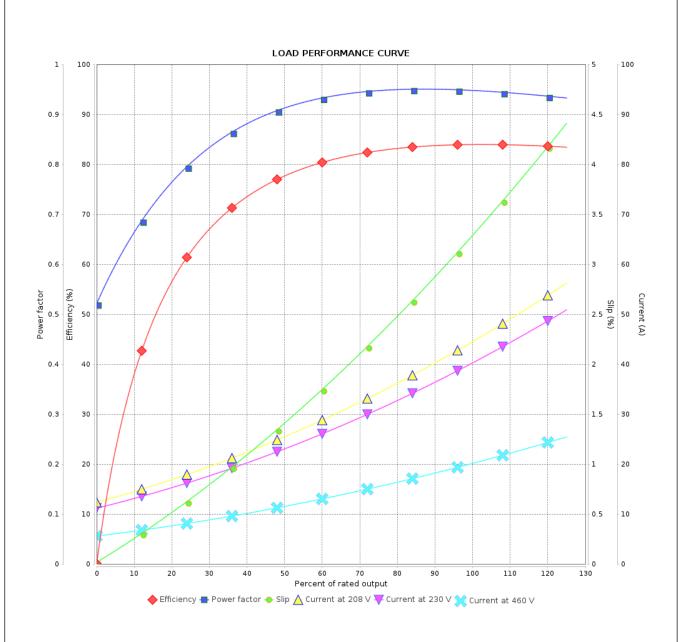
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



_	
Customer	
Customer	

Product line : W22 Single-Phase Product code : 14154360



Performance	: 208-230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: 44.5-40.8/20.4 A : 6.7 : 4.17 kgfm : 260 % : 240 % : 1740 rpm	Moment of Duty cycle Insulation Service fa Temperate	class ctor	: 0.0486 kgm : Cont.(S1) : F : : 80 K	2
Rev.	Changes Summary	I	Performed	Checked	Date

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	27/10/2024			2/2	