DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A] LRC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]		: Single-Phase : 56 : F : Cont.(S1) : -20°C to +40°(: 1000 m.a.s.l. : IP55 : L	2	Product code : Cooling method Mounting Rotation¹ Starting method Approx. weight³ Moment of inertia (J)	13506362 : IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 16.5 kg : 0.0060 kgm²			
Insulation class Duty cycle Ambient temperature Altitude Protection degree Design Output [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A] LRC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]		: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55	C	Mounting Rotation¹ Starting method Approx. weight³ Moment of inertia (J)	: F-1 : Both (CW and CCW) : Direct On Line : 16.5 kg			
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Duty cycle Ambient temperature Altitude Protection degree Design Output [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A] LRC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]		: Cont.(S1) : -20°C to +40°0 : 1000 m.a.s.l. : IP55		Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)	: Both (CW and CCW) : Direct On Line : 16.5 kg			
Ambient temperature Altitude Protection degree Design Output [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A] LRC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]		: -20°C to +40°0 : 1000 m.a.s.l. : IP55		Starting method Approx. weight ³ Moment of inertia (J)	: Direct On Line : 16.5 kg			
Altitude Protection degree Design Dutput [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]		: 1000 m.a.s.l. : IP55		Approx. weight ³ Moment of inertia (J)	: 16.5 kg			
Design Dutput [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]				Moment of inertia (J)				
Design Dutput [HP] Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A] LRC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]		: L		,				
Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A] RO load current [A] Rated speed [RPM] Rated torque [kgfm] Locked rotor torque [%]				1.5				
Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A] RO [A] Ro load current [A] Rated speed [RPM] Rated torque [kgfm] Locked rotor torque [%]								
Rated voltage [V] Rated current [A] R. Amperes [A] RC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]				4				
Rated current [A] R. Amperes [A] .RC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]			60					
R. Amperes [A] .RC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]		115/208-230						
LRC [A] No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]		15.0/8.27-7.48						
No load current [A] Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]		120/66.2-59.8						
Rated speed [RPM] Slip [%] Rated torque [kgfm] Locked rotor torque [%]		8.0x(Code L)						
Slip [%] Rated torque [kgfm] Locked rotor torque [%]	No load current [A]		7.80/3.36-3.90					
Rated torque [kgfm] ocked rotor torque [%]	Rated speed [RPM]		1745					
ocked rotor torque [%]	Slip [%]		3.06					
	Rated torque [kgfm]		0.624					
Breakdown torque [%]	Locked rotor torque [%]		250					
	Breakdown torque [%]		270					
Service factor								
Temperature rise		80 K						
Locked rotor time		14s (cold) 8s (hot)						
Noise level ²				54.0 dB(A)				
	25%							
	50%	69.0						
	75%	75.0						
	100%			77.0				
	25%							
	50%	0.68						
	75%			0.78				
1	100%	0.83						
		Drive end I	Non drive end	Foundation loads				
Bearing type		: 6204 ZZ	6202 ZZ	Max. traction	: 45 kgf			
Sealing		: V'Ring	V'Ring	Max. compression	: 61 kgf			
Lubrication interval		: -	-		-			
Lubricant amount		: -	-					
Lubricant type		: Mobil Po	lyrex EM					

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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LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



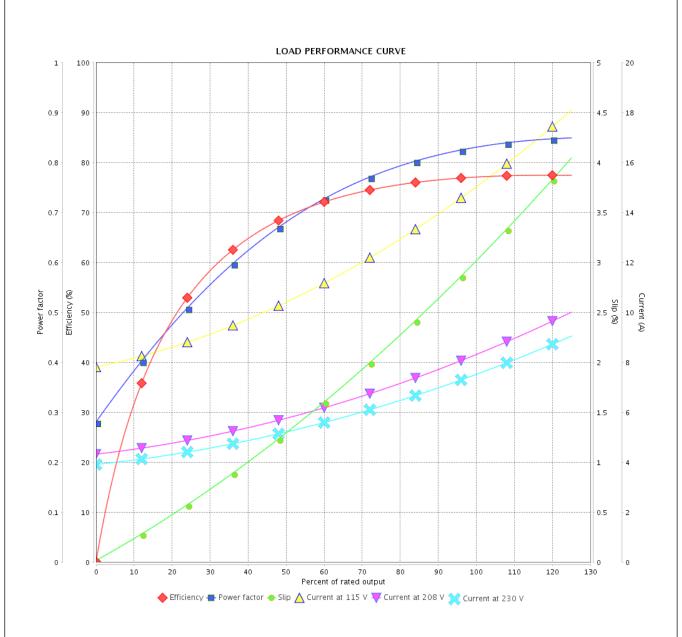
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Customer	•

Checked by

Date

11/05/2022

Product line : Single-Phase Product code : 13506362



Performance		: 115/208-230 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 15.0/8.27-7.48 A : 8.0 : 0.624 kgfm : 250 % : 270 % : 1745 rpm	Duty cycl Insulation Service f	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0060 kgm² : Cont.(S1) : F : : 80 K : L		
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Revision