## **DATA SHEET**

## Single Phase Induction Motor - Squirrel Cage



Product line  Frame Insulation class Duty cycle Ambient temperature Altitude 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 [%]	e	: Single-Phase  : 56C : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : N	Product code :  Cooling method Mounting Rotation¹ Starting method Approx. weight³ Moment of inertia (J)  1 2 60 115/208-230	14032669  : IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 15.2 kg : 0.0023 kgm²				
Insulation class Duty cycle Ambient temperature Altitude 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 [%]	е	: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Mounting Rotation¹ Starting method Approx. weight³ Moment of inertia (J)  1 2 60 115/208-230	: F-1 : Both (CW and CCW) : Direct On Line : 15.2 kg				
Insulation class Duty cycle Ambient temperature Altitude 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 [%]	e	: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Mounting Rotation¹ Starting method Approx. weight³ Moment of inertia (J)  1 2 60 115/208-230	: F-1 : Both (CW and CCW) : Direct On Line : 15.2 kg				
Ambient temperature Altitude 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 [%]	e	: -20°C to +40°C : 1000 m.a.s.l.	Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)  1 2 60 115/208-230	: Direct On Line : 15.2 kg				
Ambient temperature Altitude 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 [%]	e	: -20°C to +40°C : 1000 m.a.s.l.	Starting method Approx. weight³ Moment of inertia (J)  1 2 60 115/208-230	: Direct On Line : 15.2 kg				
Altitude 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 [%]		: 1000 m.a.s.l.	Approx. weight³ Moment of inertia (J)  1 2 60 115/208-230	: 15.2 kg				
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 [%]		: N	Moment of inertia (J)  1 2 60 115/208-230					
Poles Frequency [Hz] Rated voltage [V] Rated current [A] L. R. Amperes [A] LRC [A] No load current [A] Rated speed [RPM] Slip [%]			2 60 115/208-230					
Rated voltage [V] Rated voltage [V] Rated current [A] L. R. Amperes [A] LRC [A] No load current [A] Rated speed [RPM] Slip [%]			60 115/208-230					
Rated voltage [V] Rated current [A] R. Amperes [A] LRC [A] No load current [A] Rated speed [RPM] Slip [%]			115/208-230					
Rated voltage [V] Rated current [A] L. R. Amperes [A] LRC [A] No load current [A] Rated speed [RPM] Slip [%]								
Rated current [A] L. R. Amperes [A] LRC [A] No load current [A] Rated speed [RPM] Slip [%]								
R. Amperes [A] _RC [A] No load current [A] Rated speed [RPM] Slip [%]			8.60/4.75-4.30					
LRC [A] No load current [A] Rated speed [RPM] Slip [%]			72.2/39.9-36.1					
No load current [A] Rated speed [RPM] Slip [%]			8.4x(Code K)					
Rated speed [RPM] Slip [%]			2.60/1.12-1.30					
Slip [%]		3510						
		2.50						
Rated torque [kgfm]		0.207						
Locked rotor torque [%]		290						
Breakdown torque [%]		300						
Service factor								
Temperature rise		80 K						
Locked rotor time		28s (cold) 16s (hot)						
Noise level <sup>2</sup>		58.0 dB(A)						
	25%		X /					
<b>-</b> #: -: · · (0/ )	50%	69.0						
Efficiency (%)	75%	76.0						
	100%	80.4						
	25%							
D	50%	0.89						
Power Factor	75%	0.93						
	100%	0.94						
	ļ.	Drive end Non drive end	T					
Bearing type		6204 ZZ 6202 ZZ	Max. traction	: 12 kgf				
Sealing		: Without Without	Max. compression	: 12 kgi : 27 kgf				
		Bearing Seal Bearing Seal	· · · · · · · · · · · · · · · · · · ·	. Zi Ngi				
Lubrication interval								
Lubricant amount		·						
Lubricant type		: 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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Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	11/05/2022	1		1/2	

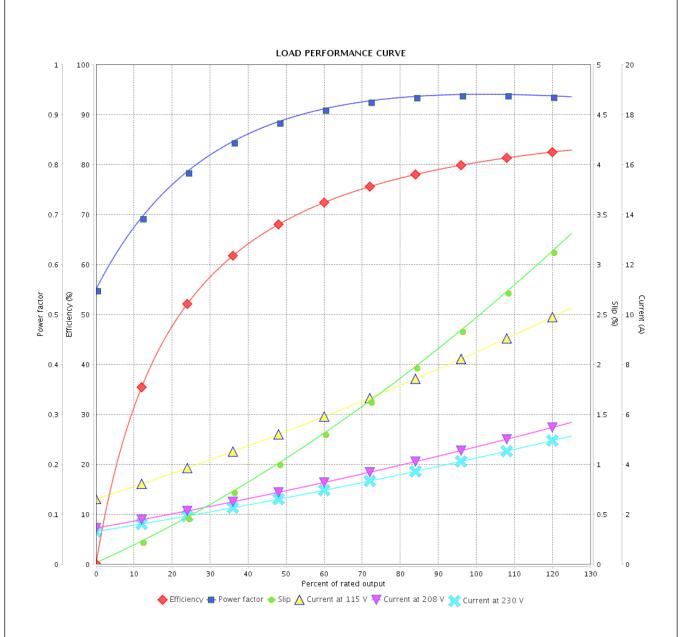
## LOAD PERFORMANCE CURVE

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase Product code : 14032669



Performance	: 115/208-230 V 60 Hz 2P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 8.60/4.75-4.30 A : 8.4 : 0.207 kgfm : 290 % : 300 % : 3510 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0023 kgm² : Cont.(S1) : F : : 80 K : N			
Rev.	Changes Summary		Performed	Checked	Date		
Performed by							
Checked by				Page	Revision		

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11/05/2022

Date