

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Single-Phase	Product code : 14371249		
Frame	: 56C	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup> : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup> : 11.8 kg		
Design	: N	Moment of inertia (J) : 0.0018 kgm <sup>2</sup>		
Output [HP]		0.75		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		6.80/3.76-3.40		
L. R. Amperes [A]		58.5/32.3-29.2		
LRC [A]		8.6x(Code K)		
No load current [A]		2.40/1.03-1.20		
Rated speed [RPM]		3510		
Slip [%]		2.50		
Rated torque [kgfm]		0.155		
Locked rotor torque [%]		300		
Breakdown torque [%]		300		
Service factor				
Temperature rise		80 K		
Locked rotor time		32s (cold) 18s (hot)		
Noise level <sup>2</sup>		58.0 dB(A)		
Efficiency (%)	25%			
	50%	64.0		
	75%	71.0		
	100%	76.2		
Power Factor	25%			
	50%	0.88		
	75%	0.92		
	100%	0.93		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 9 kgf		
Lubrication interval	: - -	Max. compression : 20 kgf		
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.		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	17/05/2022		1 / 2	

# LOAD PERFORMANCE CURVE

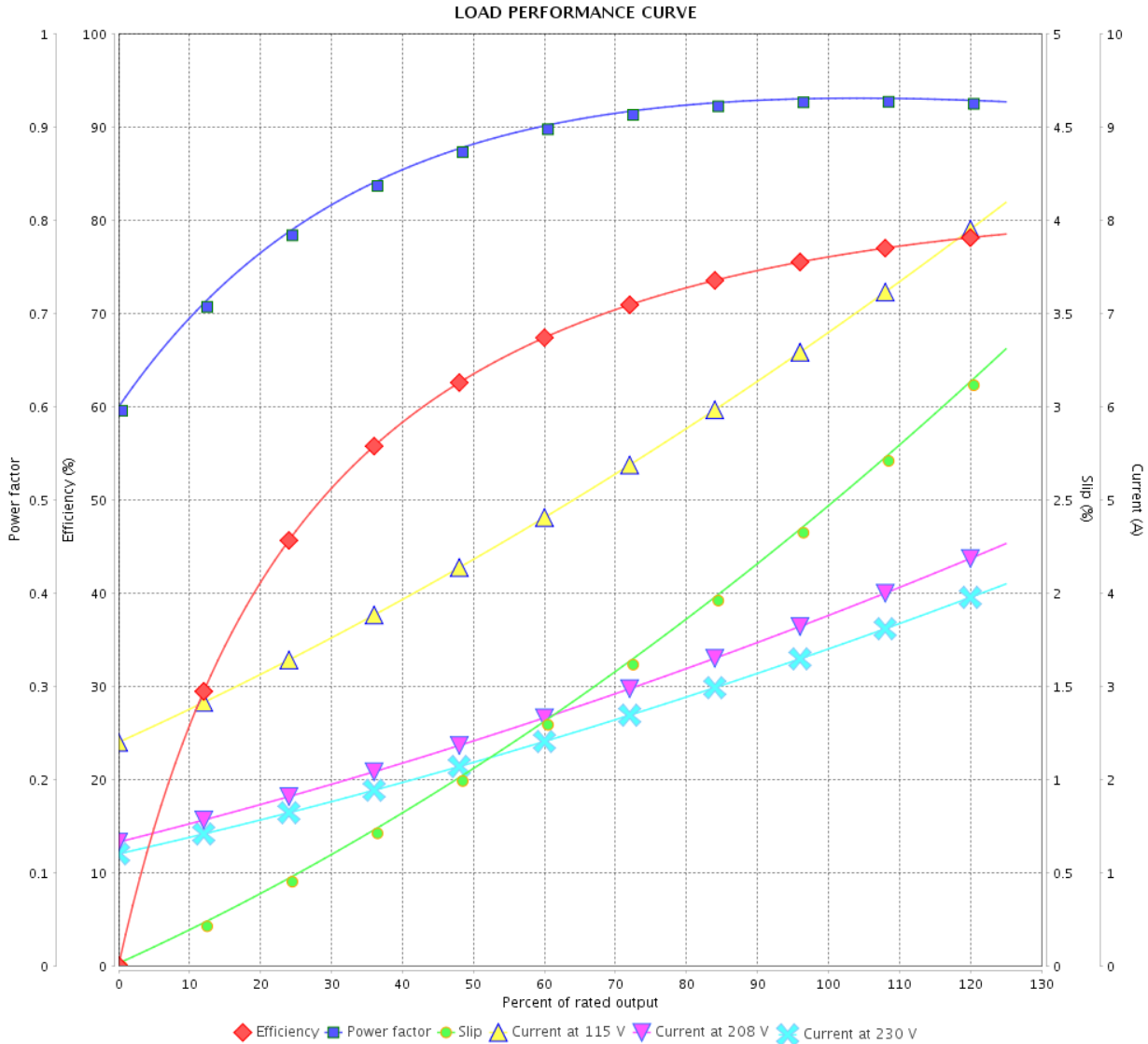
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 14371249



Performance : 115/208-230 V 60 Hz 2P

Rated current : 6.80/3.76-3.40 A  
 LRC : 8.6  
 Rated torque : 0.155 kgfm  
 Locked rotor torque : 300 %  
 Breakdown torque : 300 %  
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0018 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 80 K  
 Design : N

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				

