

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Single-Phase	Product code :	14695866		
Frame	: W56	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>	: 9.3 kg		
Design	: N	Moment of inertia (J)	: 0.0019 kgm <sup>2</sup>		
Output [HP]	0.33				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	4.12/2.32-2.06				
L. R. Amperes [A]	30.1/16.9-15.0				
LRC [A]	7.3x(Code M)				
No load current [A]	3.10/1.34-1.55				
Rated speed [RPM]	1745				
Slip [%]	3.06				
Rated torque [kgfm]	0.137				
Locked rotor torque [%]	320				
Breakdown torque [%]	300				
Service factor					
Temperature rise	80 K				
Locked rotor time	30s (cold) 17s (hot)				
Noise level <sup>2</sup>	50.0 dB(A)				
Efficiency (%)	25%				
	50%	61.0			
	75%	68.0			
	100%	72.4			
Power Factor	25%				
	50%	0.53			
	75%	0.67			
	100%	0.73			
Bearing type	: <u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without	Without	Max. traction	: 8 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 17 kgf	
Lubrication interval	: -	-			
Lubricant amount	: -	-			
Lubricant type	: Mobil Polyrex EM				
Notes					
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	17/05/2022			1 / 2	

# LOAD PERFORMANCE CURVE

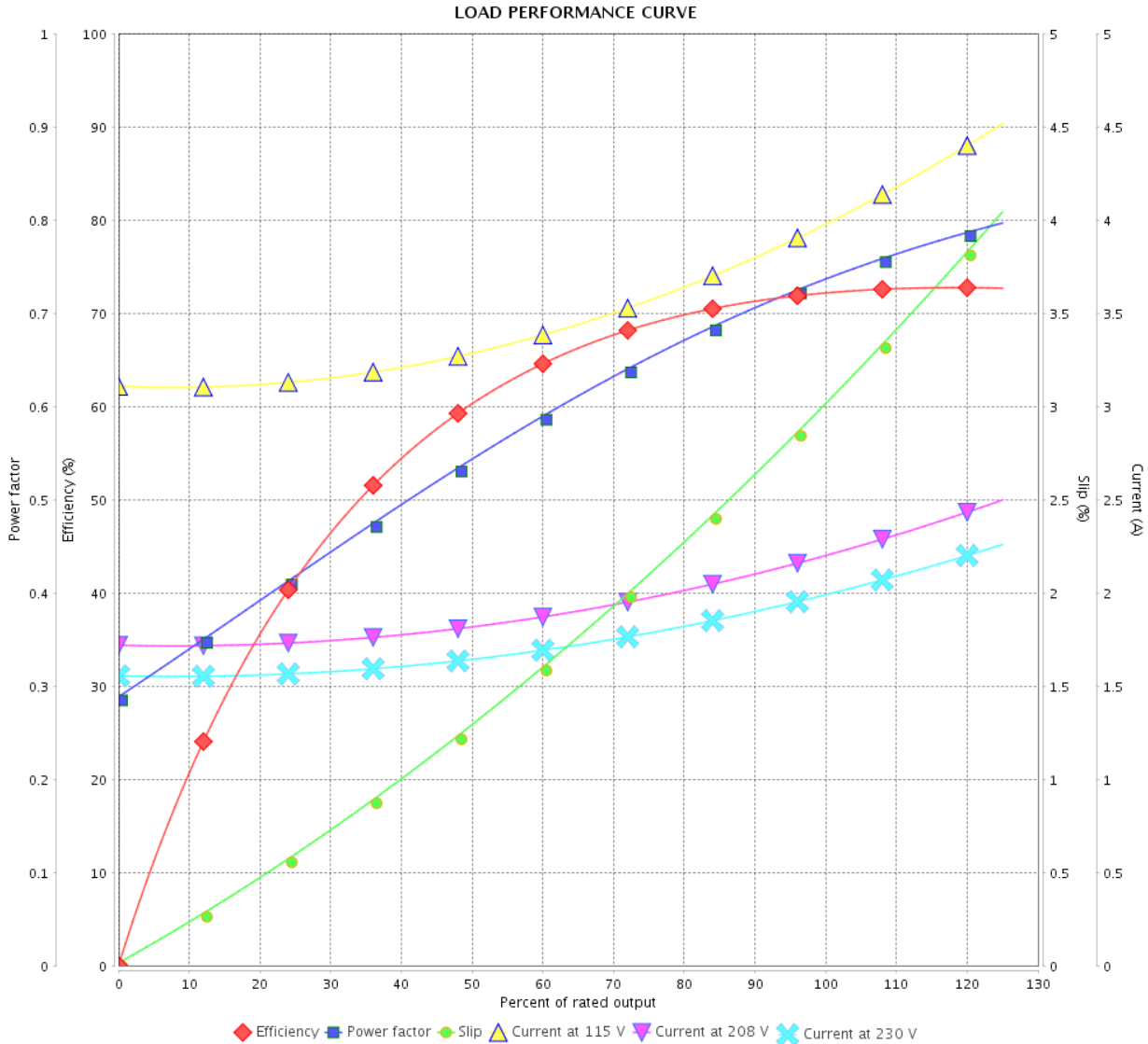
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Single-Phase

Product code : 14695866



Performance : 115/208-230 V 60 Hz 4P

Rated current : 4.12/2.32-2.06 A  
 LRC : 7.3  
 Rated torque : 0.137 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 300 %  
 Rated speed : 1745 rpm

Moment of inertia (J) : 0.0019 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
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Date				