

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - C type Single-Phase	Product code : 14580015		
Frame	: 56C	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup> : CCW		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup> : 13.8 kg		
Design	: N	Moment of inertia (J) : 0.0023 kgm <sup>2</sup>		
Output [HP]		1		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		8.60/4.75-4.30		
L. R. Amperes [A]		72.2/39.9-36.1		
LRC [A]		8.4x(Code K)		
No load current [A]		2.60/1.12-1.30		
Rated speed [RPM]		3510		
Slip [%]		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)		
Efficiency (%)	25%			
	50%	69.0		
	75%	76.0		
	100%	80.4		
Power Factor	25%			
	50%	0.89		
	75%	0.93		
	100%	0.94		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction : 13 kgf		
Lubrication interval	: - -	Max. compression : 26 kgf		
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	

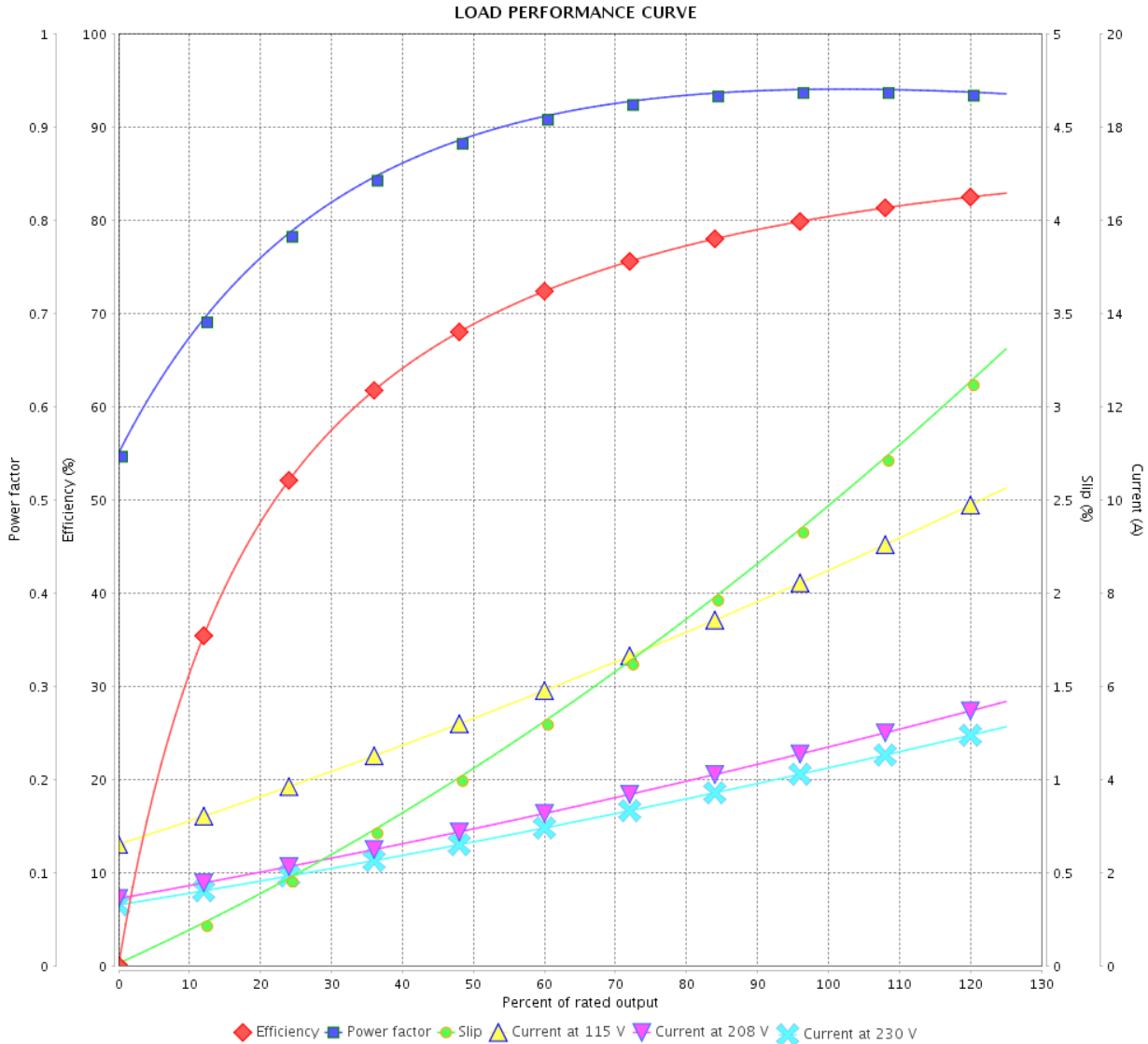
# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Single-Phase      Product code : 14580015



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

Rated current : 8.60/4.75-4.30 A  
 LRC : 8.4  
 Rated torque : 0.207 kgfm  
 Locked rotor torque : 290 %  
 Breakdown torque : 300 %  
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0023 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 2 / 2	Revision
Checked by				
Date	17/05/2022			

