

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: Jet Pump - J type Premium Efficiency Three-Phase	Product code : 15942858		
Frame	: W56J	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : W-6		
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> : 7.9 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0008 kgm <sup>2</sup>		
Output [HP]		0.5		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.627		
L. R. Amperes [A]		4.83		
LRC [A]		7.7x(Code L)		
No load current [A]		0.334		
Rated speed [RPM]		3435		
Slip [%]		4.58		
Rated torque [kgfm]		0.106		
Locked rotor torque [%]		330		
Breakdown torque [%]		360		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		32s (cold) 18s (hot)		
Noise level <sup>2</sup>		65.0 dB(A)		
Efficiency (%)	25%			
	50%	68.0		
	75%	72.0		
	100%	74.0		
Power Factor	25%			
	50%	0.64		
	75%	0.75		
	100%	0.80		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 8 kgf		
Lubrication interval	: - -	Max. compression : 16 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>		
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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

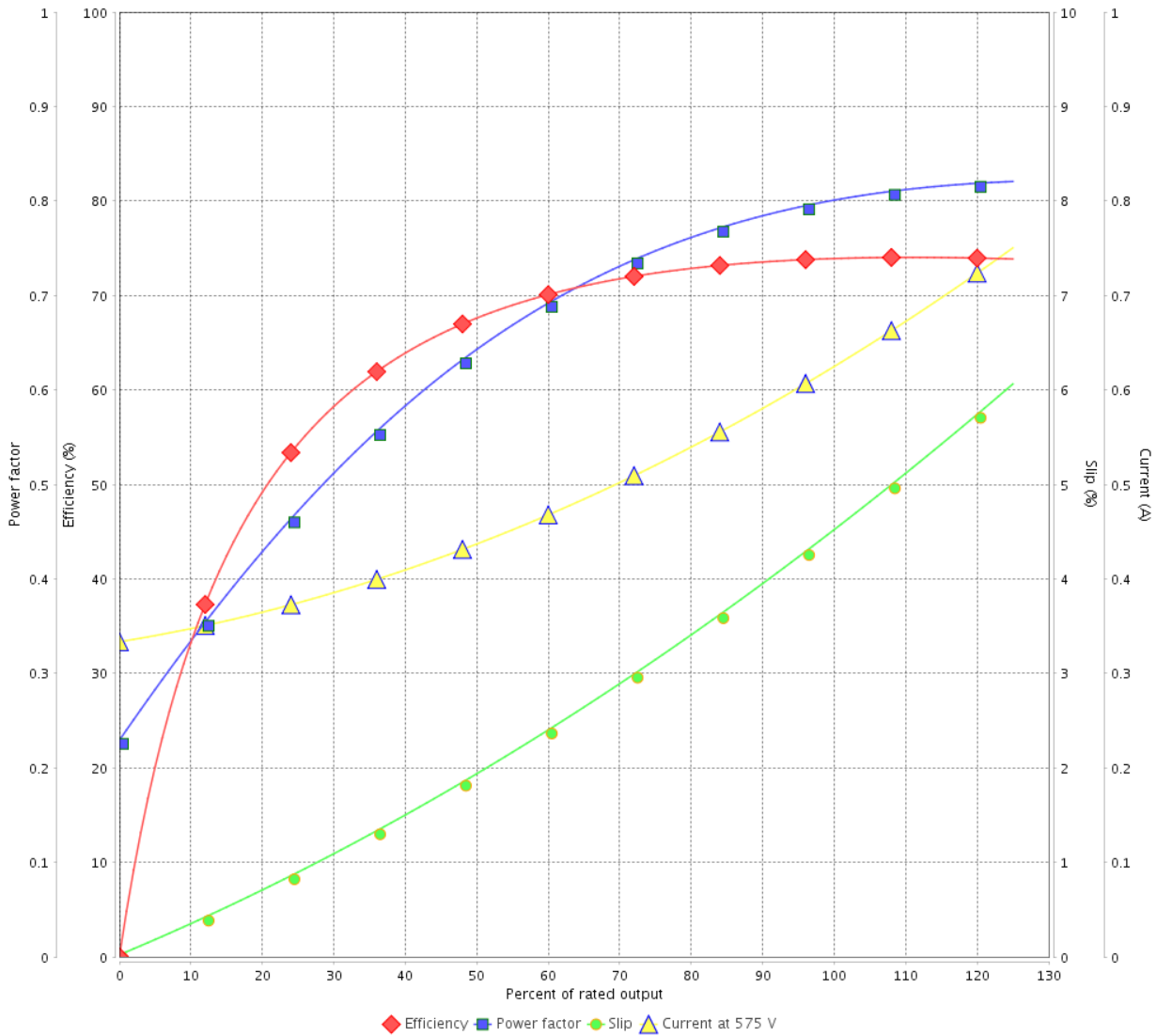


Customer :

Product line : Jet Pump - J type Premium  
Efficiency Three-Phase

Product code : 15942858

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current : 0.627 A  
LRC : 7.7  
Rated torque : 0.106 kgfm  
Locked rotor torque : 330 %  
Breakdown torque : 360 %  
Rated speed : 3435 rpm

Moment of inertia (J) : 0.0008 kgm<sup>2</sup>  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
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