

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - J type Single-Phase	Product code : 13905943		
Frame	: 56J	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation ¹ : CCW		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 11.6 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0017 kgm ²		
Design	: N			
Output [HP]		0.75		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		115/208-230		
Rated current [A]		8.00/4.42-4.00		
L. R. Amperes [A]		64.0/35.4-32.0		
LRC [A]		8.0x(Code L)		
No load current [A]		4.00/1.72-2.00		
Rated speed [RPM]		3500		
Slip [%]		2.78		
Rated torque [kgfm]		0.156		
Locked rotor torque [%]		280		
Breakdown torque [%]		290		
Service factor				
Temperature rise		80 K		
Locked rotor time		18s (cold) 10s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%			
	50%	52.0		
	75%	62.0		
	100%	66.0		
Power Factor	25%			
	50%	0.81		
	75%	0.87		
	100%	0.91		
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 : 20 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	11/05/2022		1 / 2	

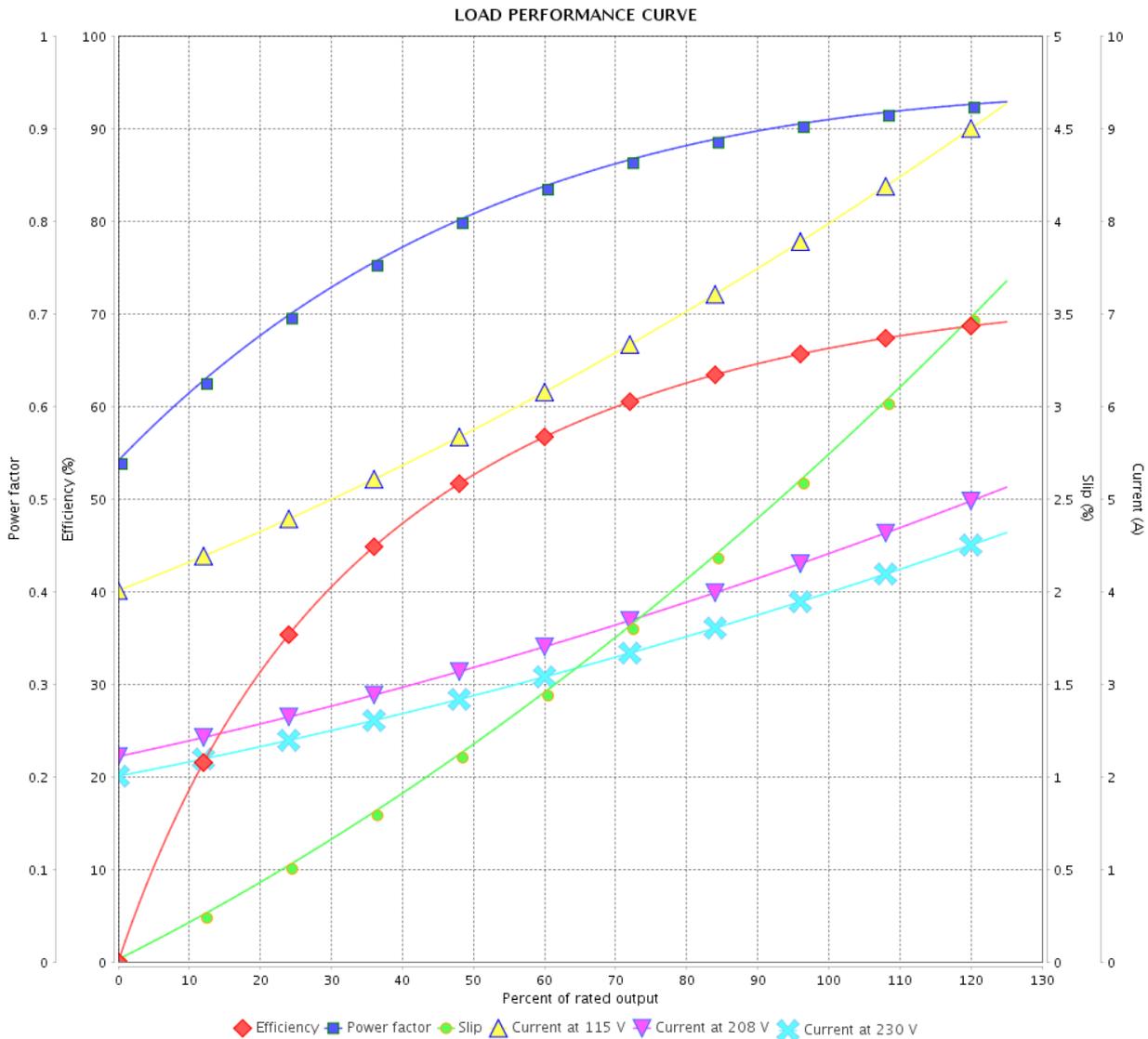
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase Product code : 13905943



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

Rated current : 8.00/4.42-4.00 A
 LRC : 8.0
 Rated torque : 0.156 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 290 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0017 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary	Performed	Checked	Date
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Date				