

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Jet Pump - C type Single-Phase	Product code :	15385751		
Frame	: W56C	Cooling method	: IC01 - ODP		
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	: 9.4 kg		
Design	: N	Moment of inertia (J)	: 0.0011 kgm ²		
Output [HP]	0.33				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	115/208-230				
Rated current [A]	3.20/1.77-1.60				
L. R. Amperes [A]	28.2/15.6-14.1				
LRC [A]	8.8x(Code L)				
No load current [A]	1.00/0.431-0.500				
Rated speed [RPM]	3510				
Slip [%]	2.50				
Rated torque [kgfm]	0.068				
Locked rotor torque [%]	280				
Breakdown torque [%]	300				
Service factor					
Temperature rise	80 K				
Locked rotor time	27s (cold) 15s (hot)				
Noise level ²	56.0 dB(A)				
Efficiency (%)	25%				
	50%	56.0			
	75%	64.0			
	100%	70.5			
Power Factor	25%				
	50%	0.97			
	75%	0.97			
	100%	0.97			
Bearing type	: <u>Drive end</u> 6203 2RS	<u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without	Without	Max. traction	: 1 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 11 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	

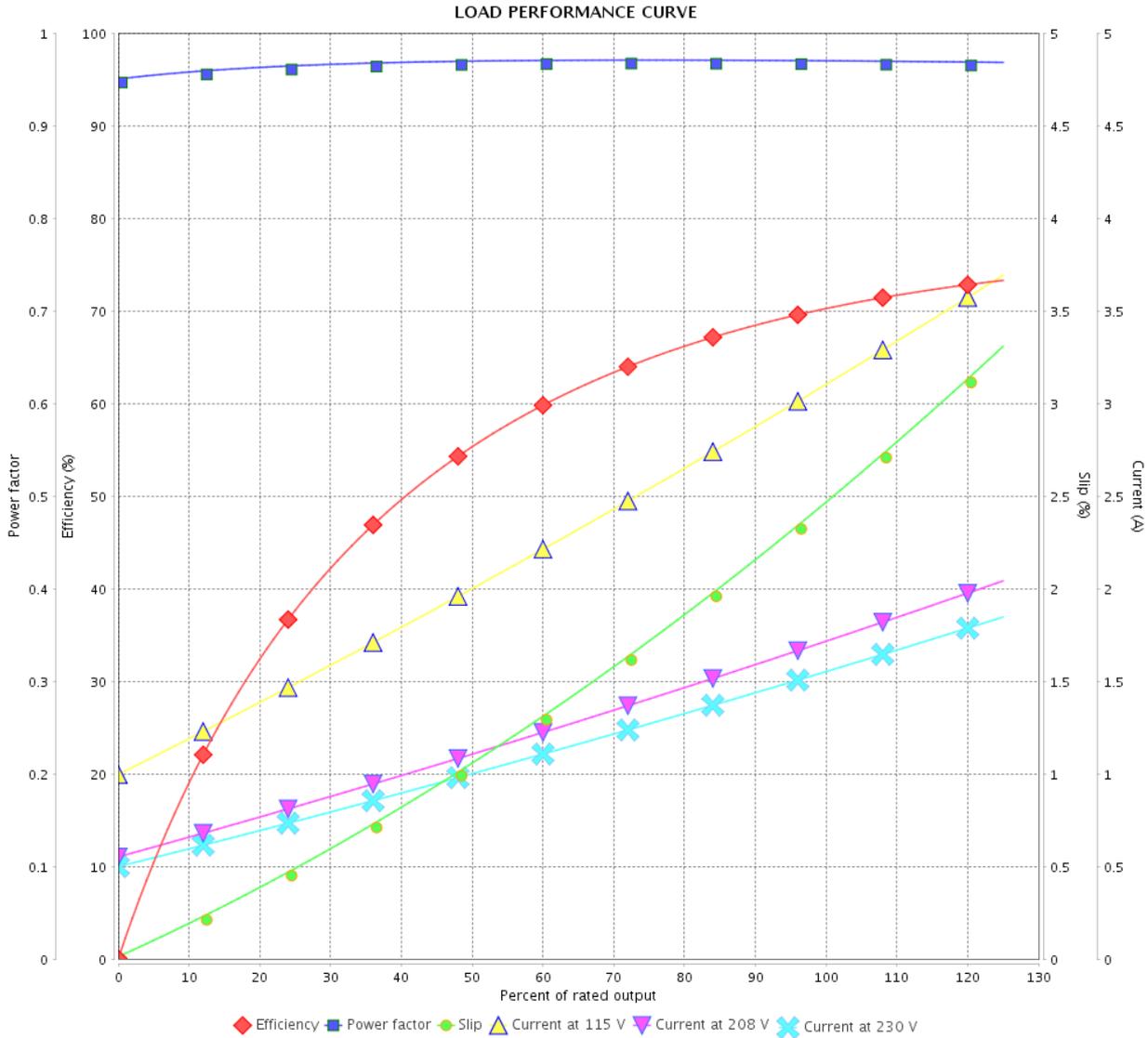
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Single-Phase Product code : 15385751



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

Rated current : 3.20/1.77-1.60 A
 LRC : 8.8
 Rated torque : 0.068 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 300 %
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.0011 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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