

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - C type Single-Phase	Product code :	14795153
Frame	: 56C	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	: 16.1 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0028 kgm ²	
Design	: L			
Output [HP]	1.5			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	12.4/6.66-6.18			
L. R. Amperes [A]	103/55.3-51.3			
LRC [A]	8.3x(Code J)			
No load current [A]	2.40/1.03-1.20			
Rated speed [RPM]	3500			
Slip [%]	2.78			
Rated torque [kgfm]	0.311			
Locked rotor torque [%]	250			
Breakdown torque [%]	270			
Service factor				
Temperature rise	80 K			
Locked rotor time	18s (cold) 10s (hot)			
Noise level ²	68.0 dB(A)			
Efficiency (%)	25%			
	50%	68.0		
	75%	75.5		
	100%	81.5		
Power Factor	25%			
	50%	0.95		
	75%	0.95		
	100%	0.95		
Bearing type	: Drive end 6203 2RS	Non drive end 6202 2RS	Foundation loads	
Sealing	: V'Ring	Without Bearing Seal	Max. traction : 19 kgf	
Lubrication interval	: -	-	Max. compression : 35 kgf	
Lubricant amount	: -	-		
Lubricant type	: Mobil Polyrex EM			
Notes				
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	
Rev.	Changes Summary		Performed	Checked
Performed by				
Checked by				
Date	17/05/2022		Page 1 / 2	Revision

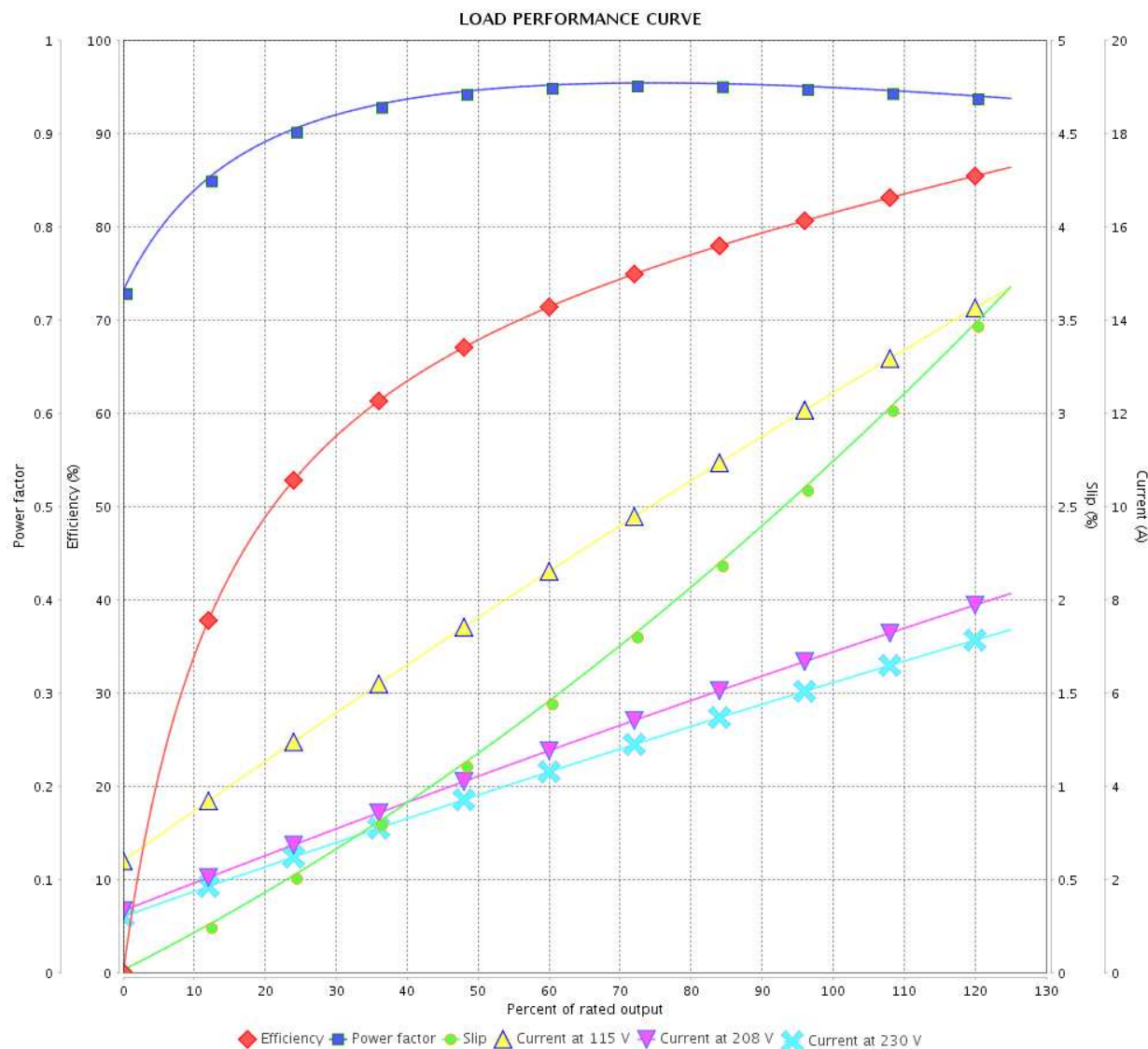
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Single-Phase Product code : 14795153



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

Rated current : 12.4/6.66-6.18 A
 LRC : 8.3
 Rated torque : 0.311 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 270 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0028 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : L

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