

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :		
Product line	: Jet Pump - J type Single-Phase	
Product code :	13710803	
Frame : 56J Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : N	Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : CCW Starting method : Direct On Line Approx. weight ³ : 13.0 kg Moment of inertia (J) : 0.0020 kgm ²	
Output [HP]	1	
Poles	2	
Frequency [Hz]	60	
Rated voltage [V]	115/208-230	
Rated current [A]	10.1/5.64-5.06	
L. R. Amperes [A]	85.0/47.4-42.5	
LRC [A]	8.4x(Code L)	
No load current [A]	5.50/2.37-2.75	
Rated speed [RPM]	3500	
Slip [%]	2.78	
Rated torque [kgfm]	0.207	
Locked rotor torque [%]	280	
Breakdown torque [%]	280	
Service factor		
Temperature rise	80 K	
Locked rotor time	14s (cold) 8s (hot)	
Noise level ²	68.0 dB(A)	
Efficiency (%)	25%	51.0
	50%	55.0
	75%	64.0
	100%	70.0
Power Factor	25%	0.51
	50%	0.82
	75%	0.88
	100%	0.92
Bearing type : Drive end 6203 2RS Non drive end 6202 2RS Sealing : V'Ring Without Bearing Seal Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM	Foundation loads Max. traction : 12 kgf Max. compression : 25 kgf	
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 by	Performed	
Checked by	Checked	
Date	11/05/2022	
Page	1 / 2	
Revision		

LOAD PERFORMANCE CURVE

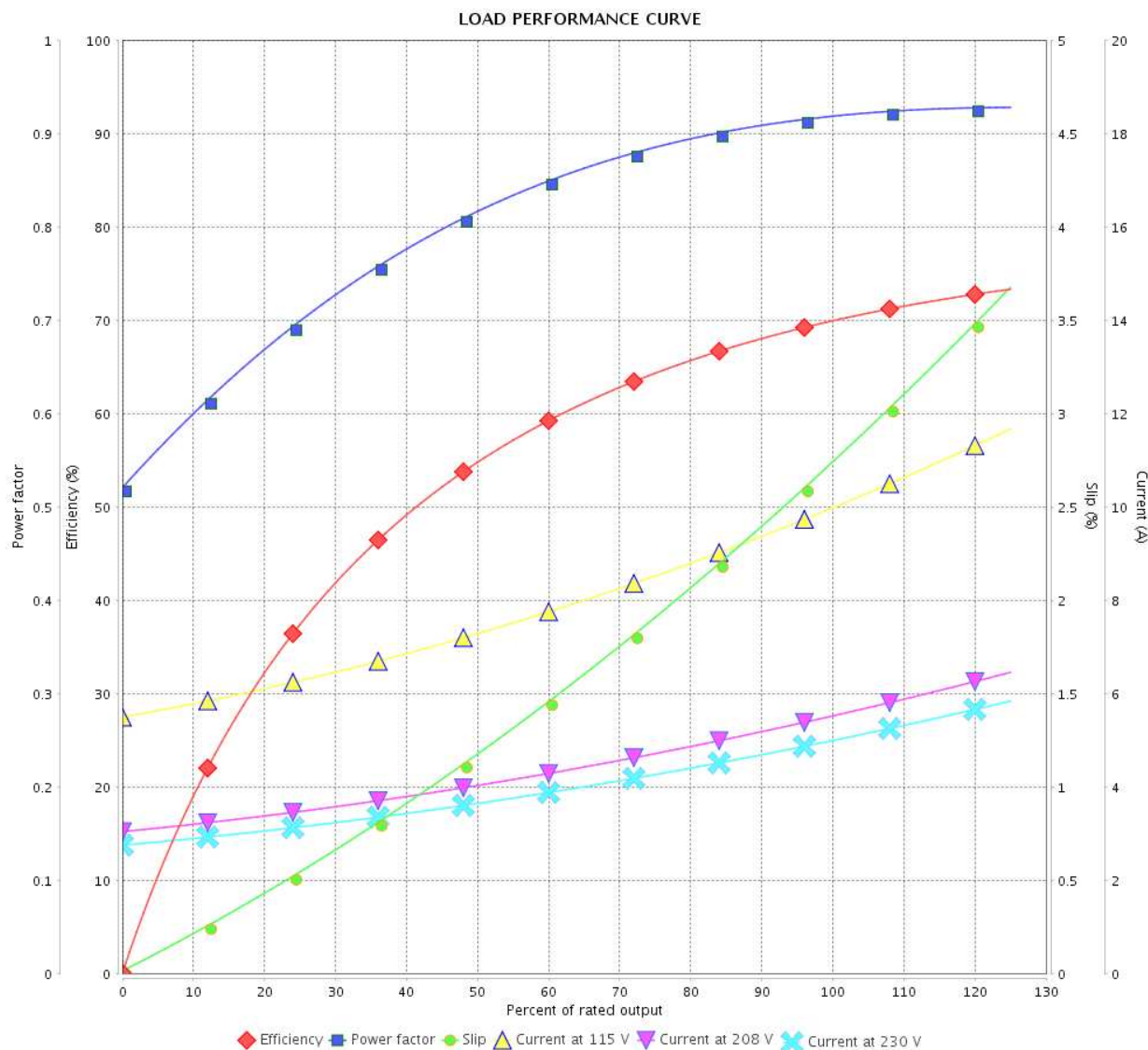
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Customer :

Product line : Jet Pump - J type Single-Phase

Product code : 13710803



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

Rated current : 10.1/5.64-5.06 A
 LRC : 8.4
 Rated torque : 0.207 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 280 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0020 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date					

