

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - C type Single-Phase	Product code :	14580088
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]	0.5			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	115/208-230			
Rated current [A]	4.80/2.65-2.40			
L. R. Amperes [A]	3.84/2.12-1.92			
LRC [A]	0.8x(Code A)			
No load current [A]	1.60/0.690-0.800			
Rated speed [RPM]	3510			
Slip [%]	2.50			
Rated torque [kgfm]	0.103			
Locked rotor torque [%]	270			
Breakdown torque [%]	300			
Service factor				
Temperature rise	80 K			
Locked rotor time	16s (cold) 9s (hot)			
Noise level ²	56.0 dB(A)			
Efficiency (%)	25%	56.6		
	50%	60.0		
	75%	68.0		
	100%	72.4		
Power Factor	25%	0.64		
	50%	0.90		
	75%	0.93		
	100%	0.94		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: Without Bearing Seal Without Bearing Seal	Max. traction	: 5 kgf	
		Max. compression	: 14 kgf	
Lubrication interval	: -			
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			Page 1 / 2	Revision
Checked by				
Date	17/05/2022			

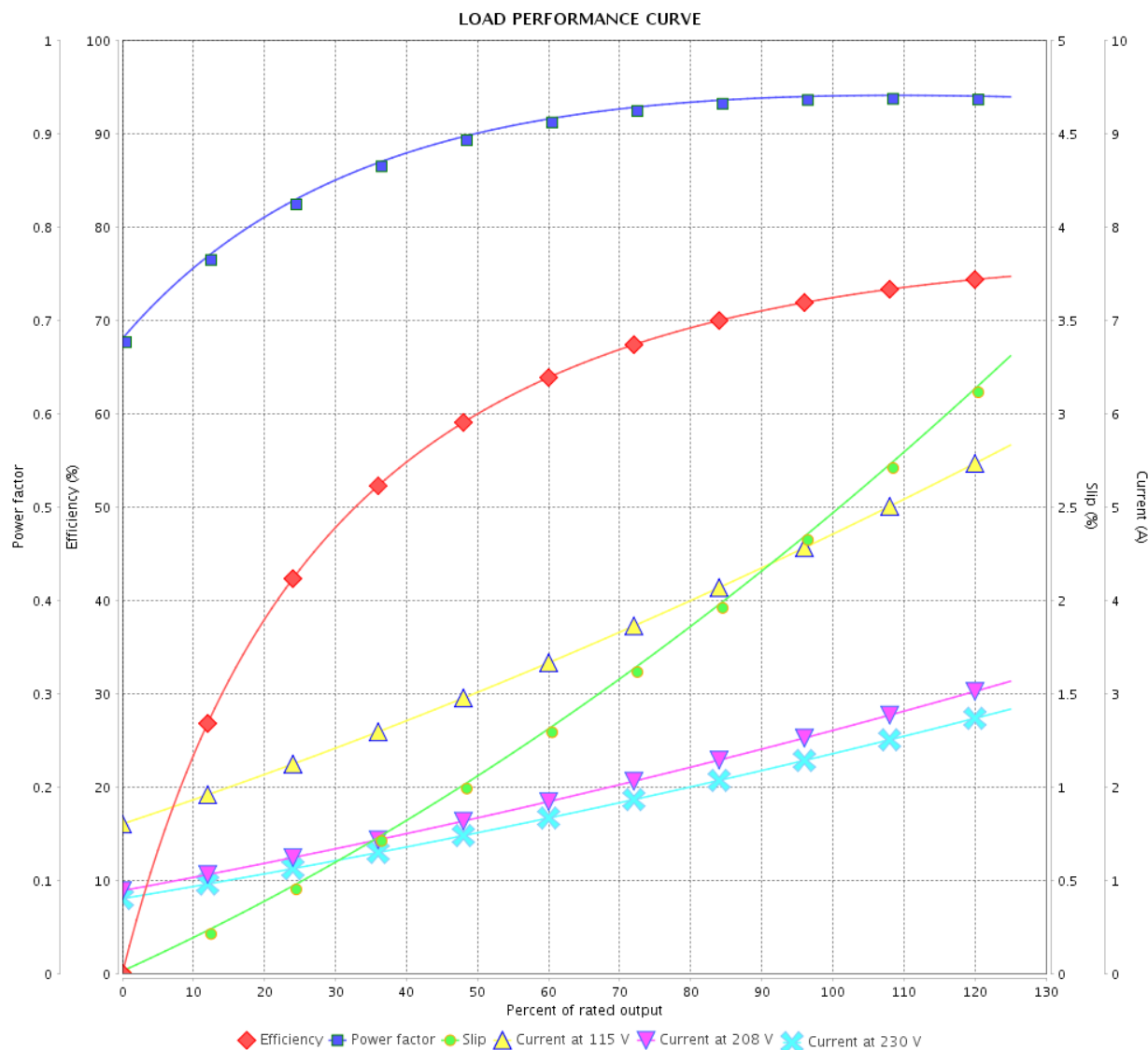
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - C type Single-Phase Product code : 14580088



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

Rated current : 4.80/2.65-2.40 A
 LRC : 0.8
 Rated torque : 0.103 kgfm
 Locked rotor torque : 270 %
 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

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