

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Jet Pump - J type Single-Phase			
Product code :	14627823			
Frame	: 56J			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Design	: L			
Cooling method	: IC01 - ODP			
Mounting	: F-1			
Rotation ¹	: CCW			
Starting method	: Direct On Line			
Approx. weight ³	: 21.0 kg			
Moment of inertia (J)	: 0.0040 kgm ²			
Output [HP]	3			
Poles	2			
Frequency [Hz]	60			
Rated voltage [V]	230			
Rated current [A]	12.2			
L. R. Amperes [A]	100			
LRC [A]	8.2x(Code J)			
No load current [A]	3.90			
Rated speed [RPM]	3500			
Slip [%]	2.78			
Rated torque [kgfm]	0.622			
Locked rotor torque [%]	220			
Breakdown torque [%]	280			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	10s (cold) 6s (hot)			
Noise level ²	58.0 dB(A)			
Efficiency (%)	25%			
	50%	76.0		
	75%	81.0		
	100%	84.1		
Power Factor	25%			
	50%	0.87		
	75%	0.92		
	100%	0.93		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS			
Sealing	: Without Without Bearing Seal Bearing Seal			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 45 kgf Max. compression : 66 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.				
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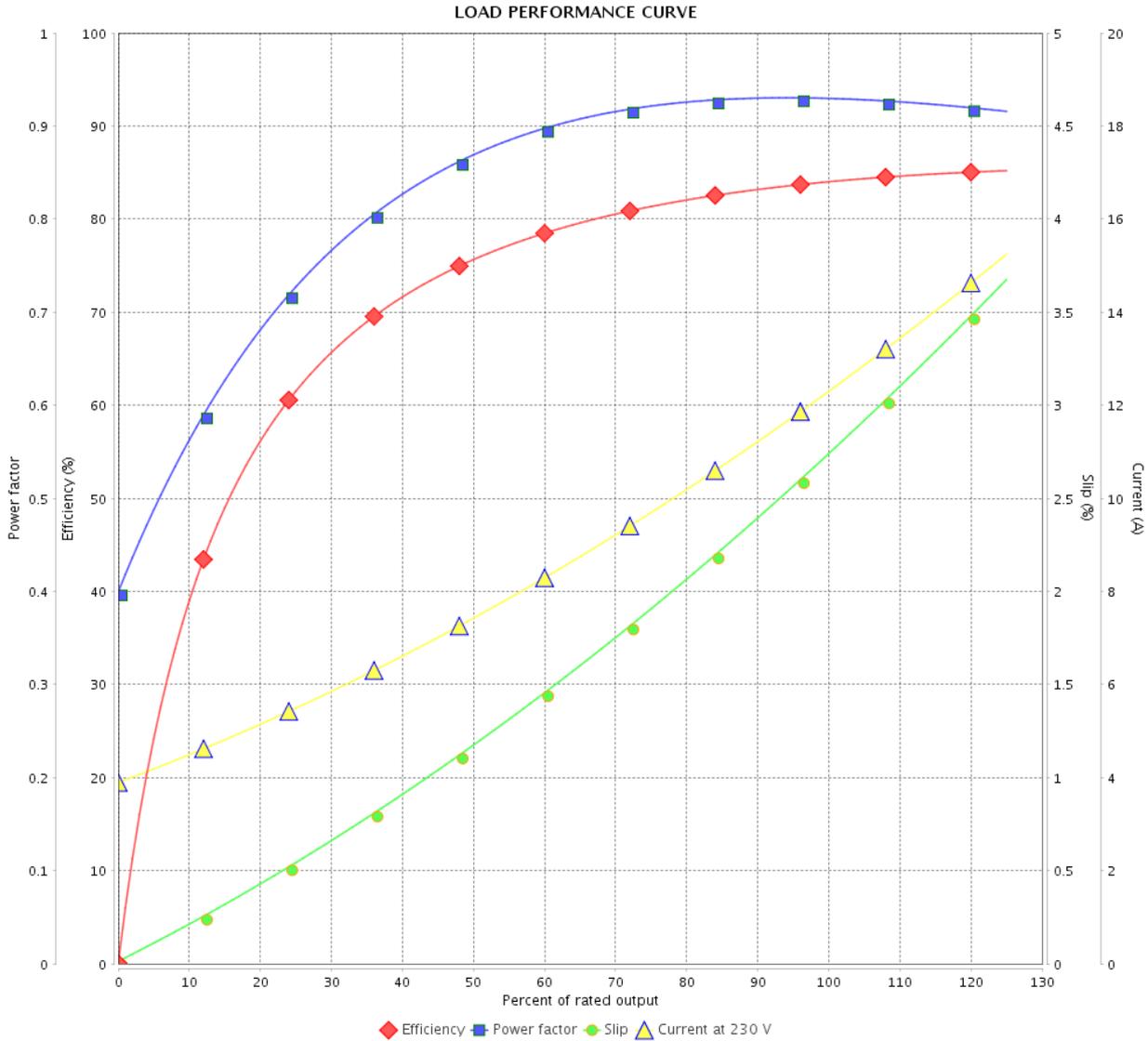
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Jet Pump - J type Single-Phase Product code : 14627823



Performance : 230 V 60 Hz 2P

Rated current	: 12.2 A	Moment of inertia (J)	: 0.0040 kgm ²
LRC	: 8.2	Duty cycle	: Cont.(S1)
Rated torque	: 0.622 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: L

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