

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Jet Pump - J type Premium Efficiency Three-Phase	Product code : 13957011		
Frame	: 56J	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 : 16.3 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0052 kgm ²		
Design	: B			
Output [HP]		1		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.18		
L. R. Amperes [A]		10.1		
LRC [A]		8.6x(Code M)		
No load current [A]		0.712		
Rated speed [RPM]		1765		
Slip [%]		1.94		
Rated torque [kgfm]		0.411		
Locked rotor torque [%]		280		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		34s (cold) 19s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%			
	50%	82.5		
	75%	84.0		
	100%	85.5		
Power Factor	25%			
	50%	0.52		
	75%	0.66		
	100%	0.75		
Bearing type	: <u>Drive end</u> 6203 2RS <u>Non drive end</u> 6202 2RS	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 31 kgf		
Lubrication interval	: - -	Max. compression : 48 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.		
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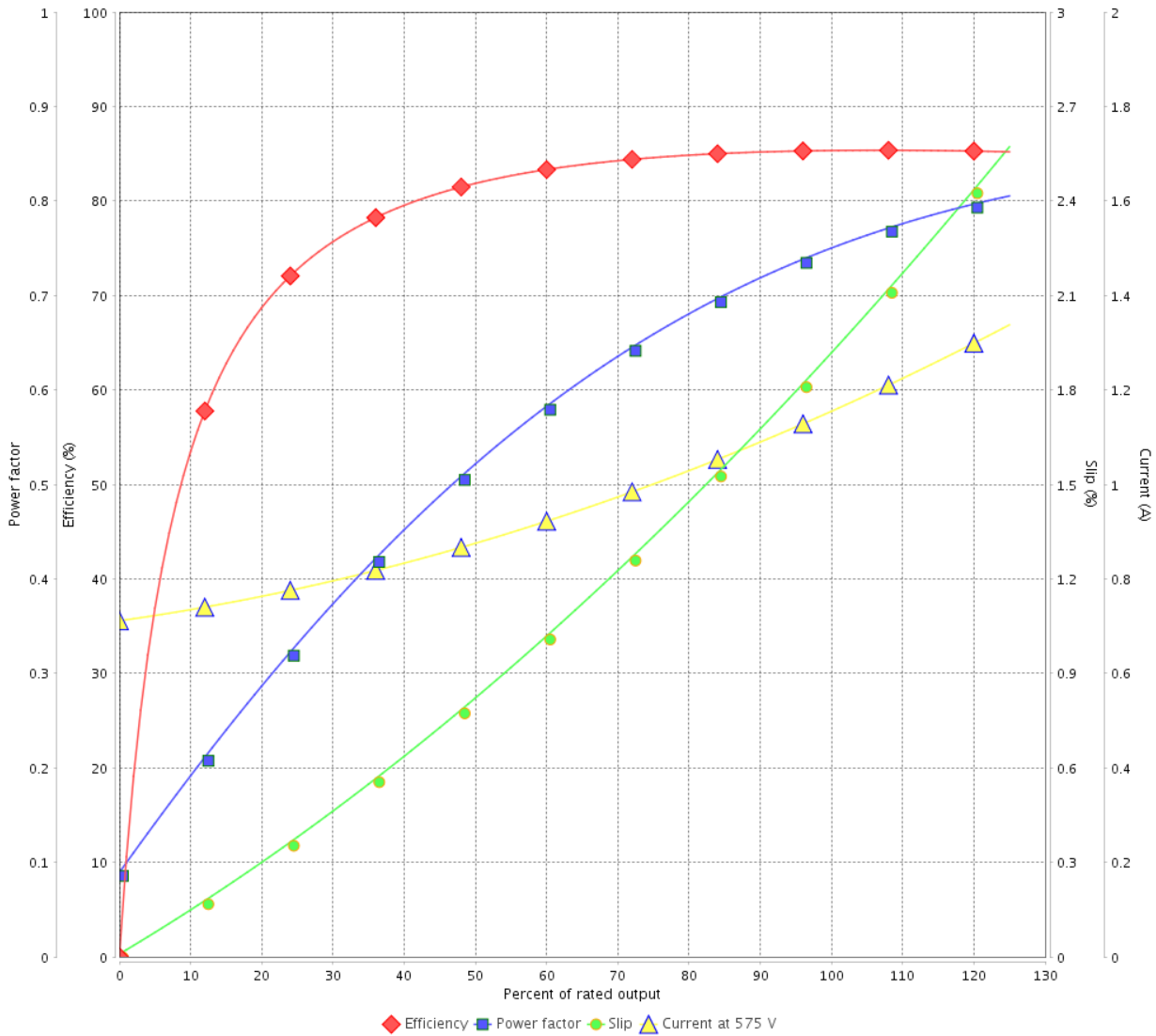


Customer :

Product line : Jet Pump - J type Premium
Efficiency Three-Phase

Product code : 13957011

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 1.18 A	Moment of inertia (J)	: 0.0052 kgm ²
LRC	: 8.6	Duty cycle	: Cont.(S1)
Rated torque	: 0.411 kgfm	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: B

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