DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Jet Pump - C type Single-Phase Product code : 14184426

Frame	: 56C	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation¹	: CCW
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight³	: 17.1 kg
Protection degree	: IP55	Moment of inertia (J)	: 0.0030 kgm²
Design	: L		

Output [HP]		2
Poles		2
Frequency [Hz]		60
Rated voltage [V]		115/208-230
Rated current [A]		17.5/9.62-8.73
L. R. Amperes [A]		136/75.0-68.1
LRC [A]		7.8x(Code J)
No load current [A]		5.00/2.16-2.50
Rated speed [RPM]		3495
Slip [%]		2.92
Rated torque [kgfm]		0.415
Locked rotor torque [%]		220
Breakdown torque [%]		250
Service factor		
Temperature rise		80 K
Locked rotor time		10s (cold) 6s (hot)
Noise level²		68.0 dB(A)
Efficiency (%)	25%	
	50%	70.0
	75%	75.0
	100%	77.0
Power Factor	25%	
	50%	0.94
	75%	0.97
	100%	0.97

		Drive end	Non drive end
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 24 kgf

Max. compression : 41 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

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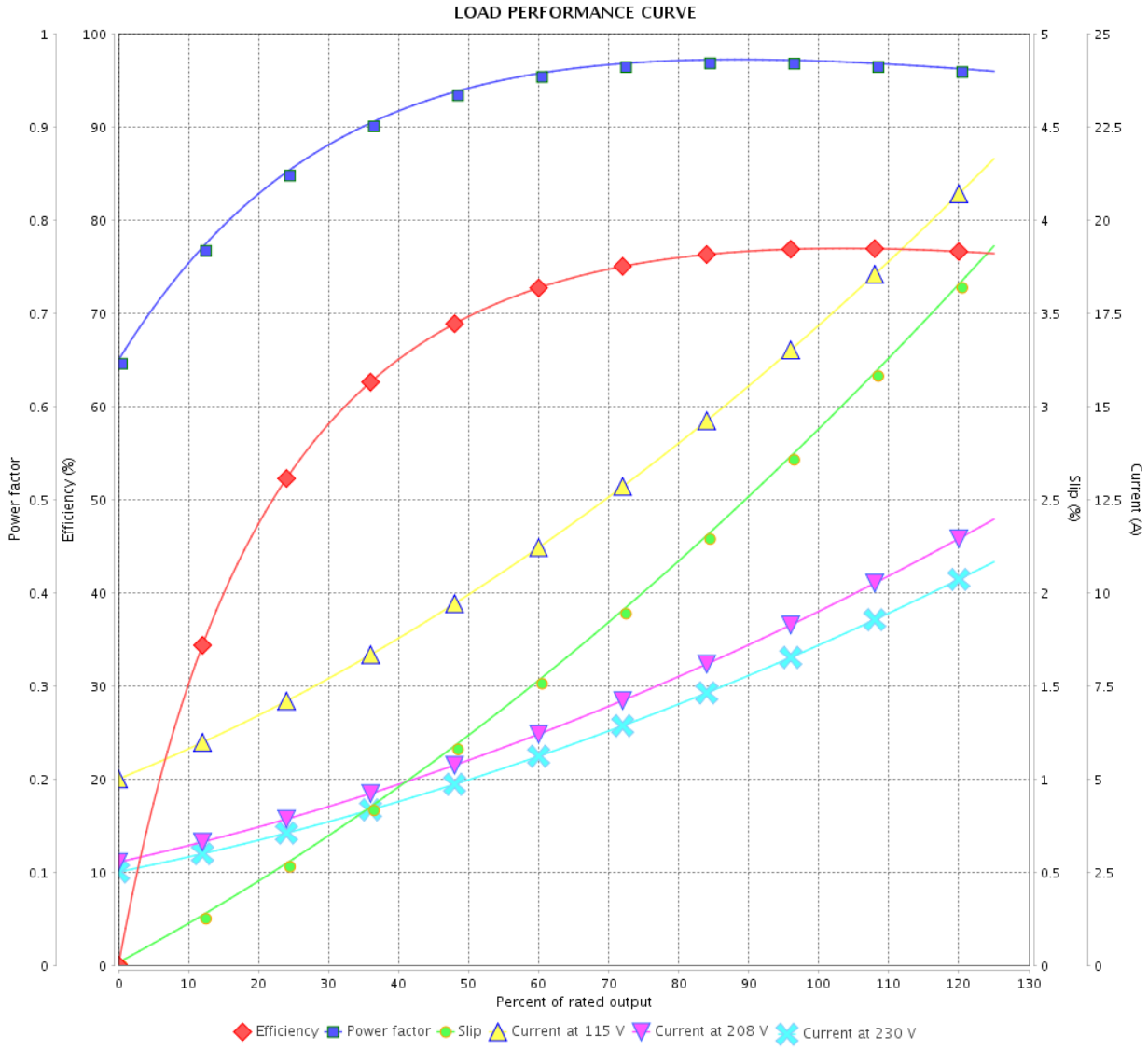
Customer	:		
Product line	: Jet Pump - C type Single-Phase	Product code :	14184426



Performance	: 115/208-230 V 60 Hz 2P		
Rated current	: 17.5/9.62-8.73 A	Moment of inertia (J)	: 0.0030 kgm²
LRC	: 7.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.415 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	:
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 3495 rpm	Design	: L

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