DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	12682537

Frame	: 143/5JM	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight³	: 18.9 kg
Design	: B	Moment of inertia (J)	: 0.0054 kgm²

Output [HP]		3
Poles		2
Frequency [Hz]		60
Rated voltage [V]		575
Rated current [A]		2.87
L. R. Amperes [A]		23.0
LRC [A]		8.0x(Code J)
No load current [A]		1.04
Rated speed [RPM]		3480
Slip [%]		3.33
Rated torque [kgfm]		0.626
Locked rotor torque [%]		229
Breakdown torque [%]		300
Service factor		1.15
Temperature rise		80 K
Locked rotor time		16s (cold) 9s (hot)
Noise level²		62.0 dB(A)
Efficiency (%)	25%	83.7
	50%	84.0
	75%	85.5
	100%	85.5
Power Factor	25%	0.50
	50%	0.76
	75%	0.86
	100%	0.90

		Drive end	Non drive end
Bearing type	:	6206 ZZ	6203 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Foundation loads

Max. traction : 44 kgf

Max. compression : 63 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	Checked	Date

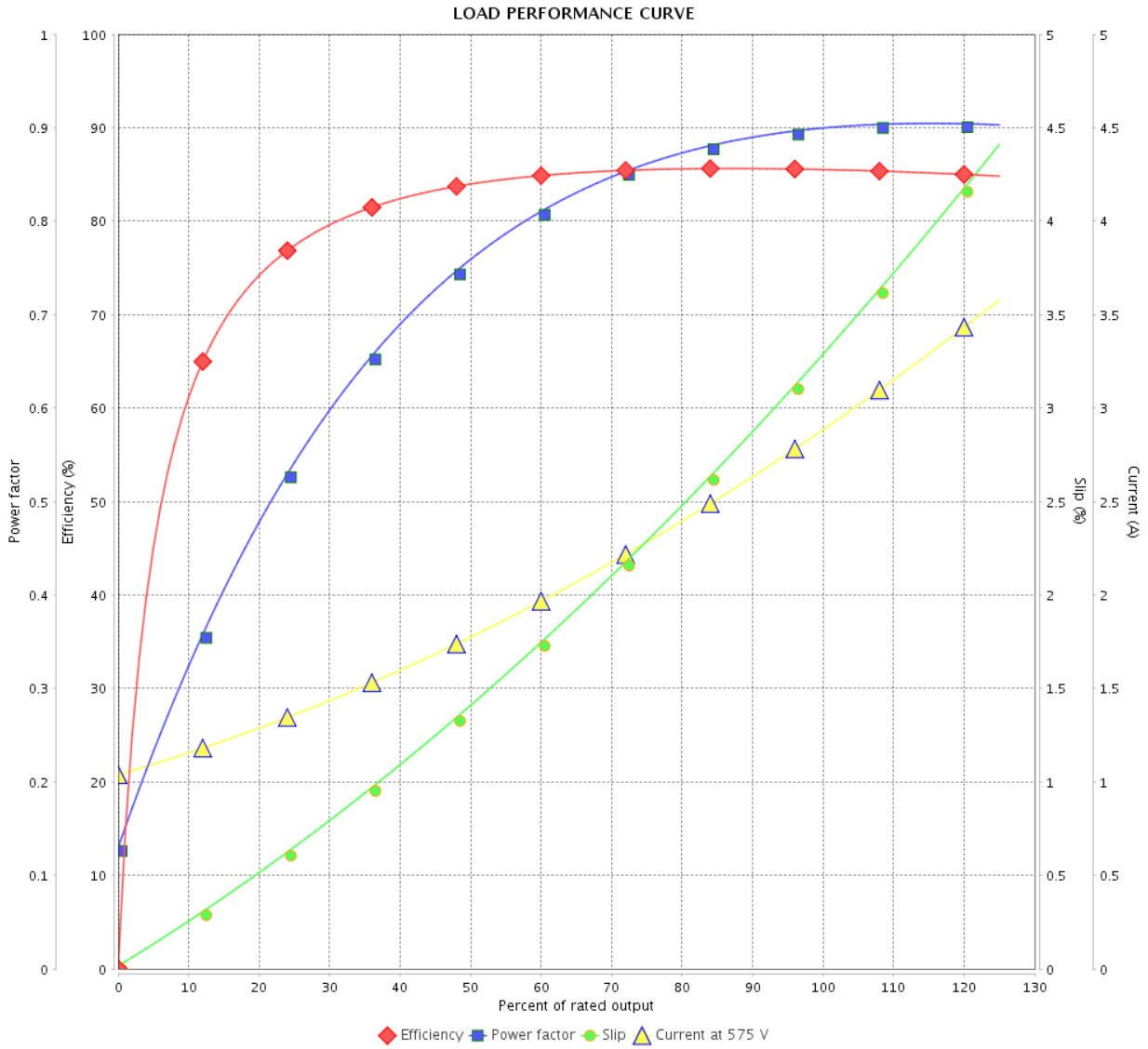
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: JM Pump NEMA Premium Efficiency Three-Phase	Product code :	12682537



Performance	: 575 V 60 Hz 2P		
Rated current	: 2.87 A	Moment of inertia (J)	: 0.0054 kgm²
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.626 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3480 rpm	Design	: B

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