

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - J type Premium Efficiency Three-Phase Product code : 13641595

Frame	: W56J	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 208-230/460 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 1.72-1.56/0.778 A	Protection degree	: IP55
	: 6.4x(Code J)	Cooling method	: IC411 - TEFC
Rated speed	: 1730 rpm	Mounting	: F-1
Rated torque	: 0.210 kgfm	Rotation ¹	: CCW
Insulation class	: F	Noise level ²	: 50.0 dB(A)
Service factor	: 1.25	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0022 kgm ²	Approx. weight ³	: 9.5 kg

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	74.0	77.0	78.5	Max. traction : 16 kgf
Power Factor	0.00	0.54	0.67	0.76	Max. compression : 25 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 g
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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Date	29/06/2026			

LOAD PERFORMANCE CURVE

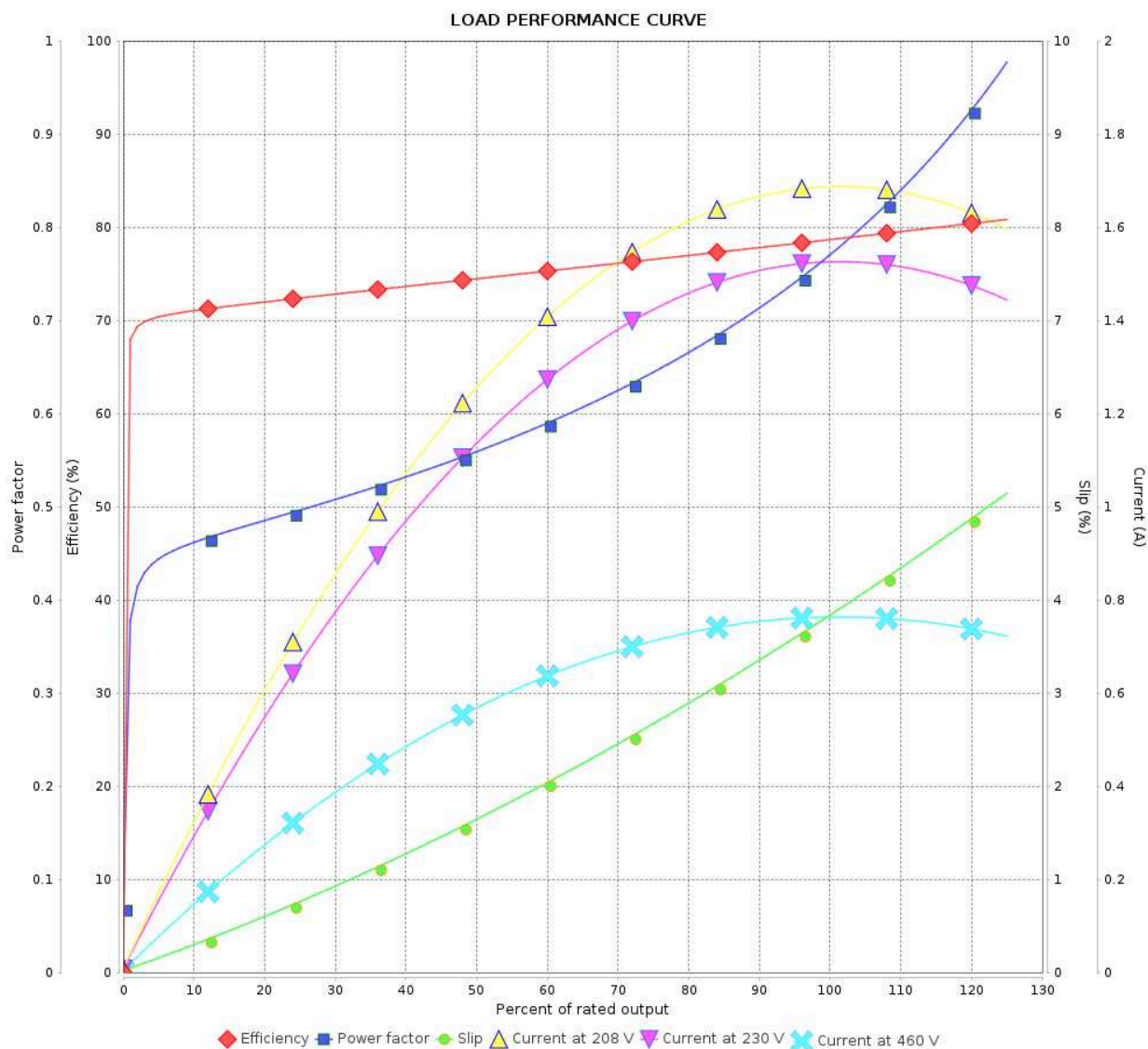
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