

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel JM Pump Single-Phase Product code : 18298159

Frame	: 182/4JM	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 3 HP (2.2 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	: 2	Altitude	: 1000 m.a.s.l.
Rated current	: 14.3-12.9/6.43 A	Protection degree	: IP55
	: 7.2x(Code J)	Cooling method	: IC411 - TEFC
Rated speed	: 3505 rpm	Mounting	: F-1
Rated torque	: 0.621 kgfm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 72.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0069 kgm ²	Approx. weight ³	: 36.0 kg
Design	: L		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	72.0	78.0	80.0	Max. traction	: 17 kgf
Power Factor	0.00	0.84	0.90	0.93	Max. compression	: 53 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6207 ZZ	6205 ZZ
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		1 / 2		
Date	02/04/2026			

LOAD PERFORMANCE CURVE

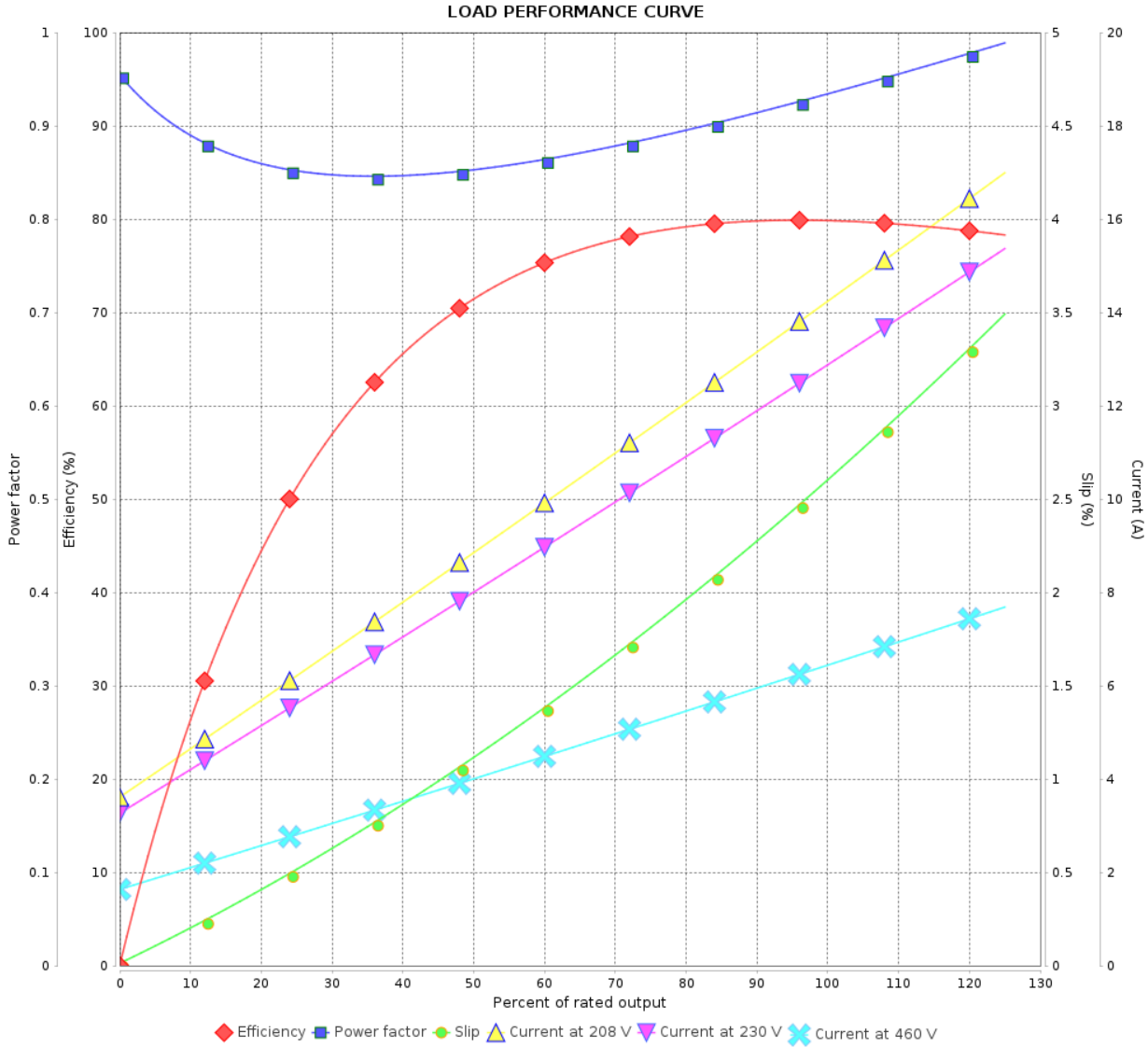
Single Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Rolled Steel JM Pump Single-Phase

Product code : 18298159



Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date				