

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
 Customer reference : 02518OT3E284JM-W40

Product line : W40 JM Pump NEMA Premium Efficiency Three-Phase Product code : 14367455
 Catalog # : 02518OT3E284JM-W40

Frame : 284JM	Locked rotor time : 30s (cold) 17s (hot)
Output : 25 HP (18.5 kW)	Temperature rise : 80 K
Poles : 4	Duty cycle : Cont.(S1)
Frequency : 60 Hz	Ambient temperature : -20°C to +40°C
Rated voltage : 208-230/460 V	Altitude : 1000 m.a.s.l.
Rated current : 65.2-59.0/29.5 A	Protection degree : IP23
L. R. Amperes : 431-389/195 A	Cooling method : IC01 - ODP
LRC : 6.6x(Code G)	Mounting : F-1
No load current : 19.0-22.0/11.0 A	Rotation ¹ : Both (CW and CCW)
Rated speed : 1770 rpm	Noise level ² : 64.0 dB(A)
Slip : 1.67 %	Starting method : Direct On Line
Rated torque : 73.2 ft.lb	Approx. weight ³ : 367 lb
Locked rotor torque : 270 %	
Breakdown torque : 280 %	
Insulation class : F	
Service factor : 1.25	
Moment of inertia (J) : 3.71 sq.ft.lb	
Design : B	

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	92.8	93.0	93.6	93.6	Max. traction
Power Factor	0.45	0.69	0.80	0.84	Max. compression

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type :		6311 Z C3	6211 Z C3
Sealing :		Without Bearing Seal	Without Bearing Seal
Lubrication interval :		20000 h	20000 h
Lubricant amount :		18 g	11 g
Lubricant type :		Mobil Polyrex EM	

Notes
 downloaded from <http://dealerselectric.com>

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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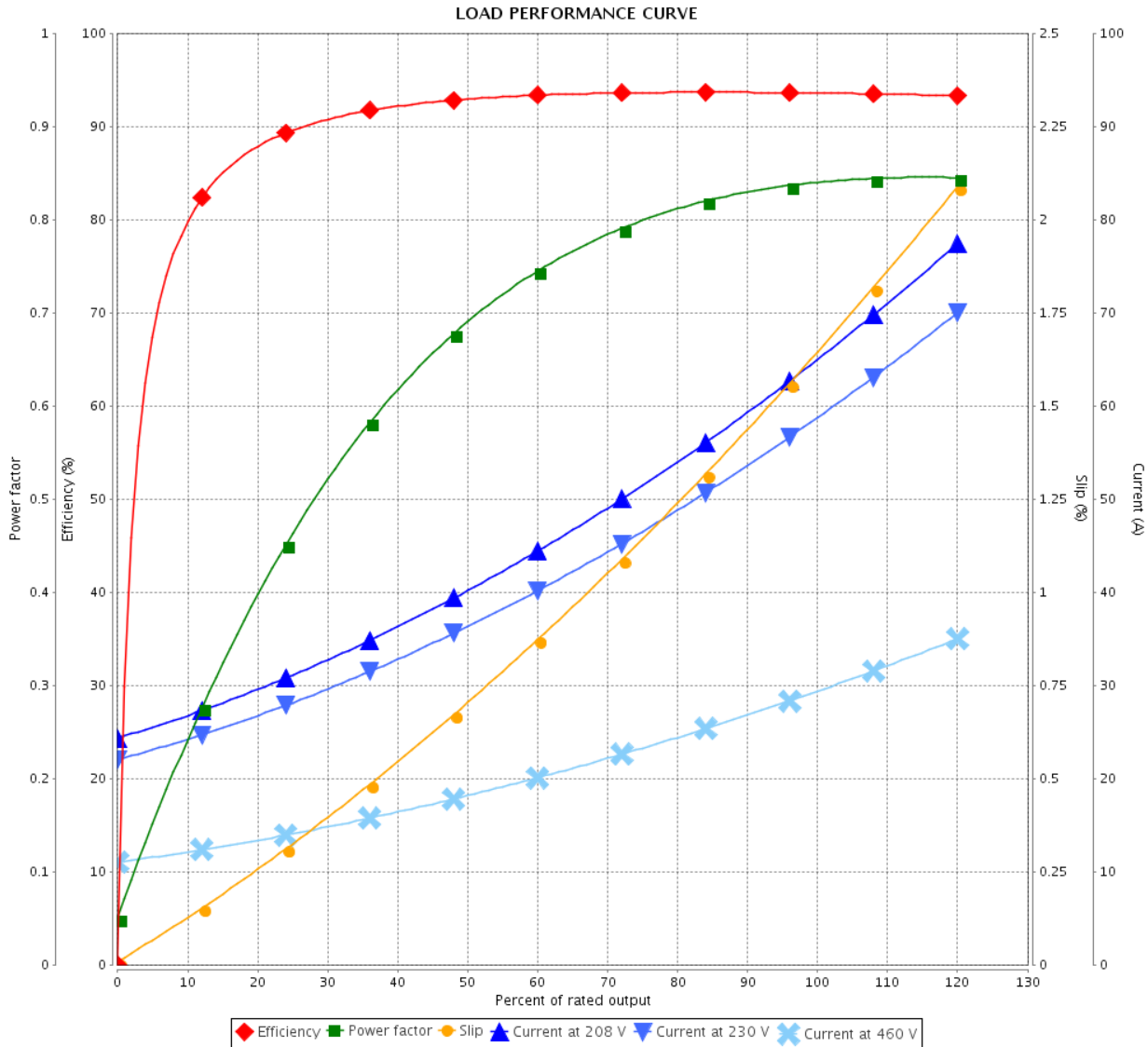
LOAD PERFORMANCE CURVE



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Performance : 208-230/460 V 60 Hz 4P

Rated current	: 65.2-59.0/29.5 A	Moment of inertia (J)	: 3.71 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 73.2 ft.lb	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.25
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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