

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	: Dealers Industrial Equipment 800-469-3110				
Customer reference	: 01518OT3H254JM-W40				
Product line	: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14483248	
			Catalog # :	01518OT3H254JM-W40	
Frame	: 254JM		Locked rotor time	: 30s (cold) 17s (hot)	
Output	: 15 HP (11 kW)		Temperature rise	: 80 K	
Poles	: 4		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 575 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 14.0 A		Protection degree	: IP23	
L. R. Amperes	: 89.6 A		Cooling method	: IC01 - ODP	
LRC	: 6.4x(Code G)		Mounting	: F-1	
No load current	: 5.20 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1770 rpm		Noise level ²	: 62.0 dB(A)	
Slip	: 1.67 %		Starting method	: Direct On Line	
Rated torque	: 43.9 ft.lb		Approx. weight ³	: 267 lb	
Locked rotor torque	: 240 %				
Breakdown torque	: 280 %				
Insulation class	: F				
Service factor	: 1.25				
Moment of inertia (J)	: 2.72 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	91.0	91.7	92.4	93.0	
Power Factor	0.28	0.38	0.78	0.85	
	Foundation loads				
	Max. traction				
	Max. compression				
	<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	: 6309 Z C3		: 6209 Z C3		
Sealing	: Without Bearing Seal		: Without Bearing Seal		
Lubrication interval	: 20000 h		: 20000 h		
Lubricant amount	: 13 g		: 9 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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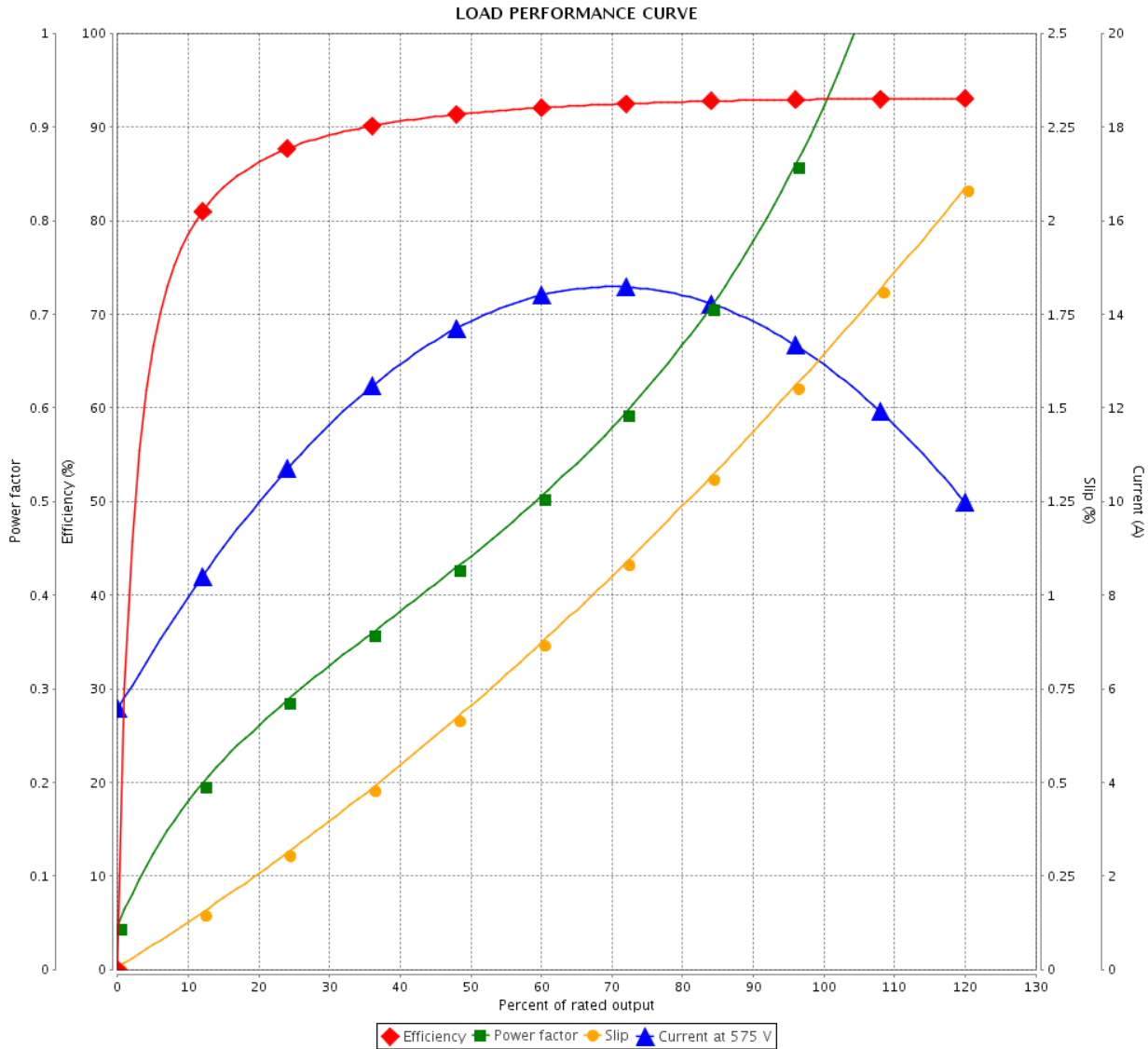
LOAD PERFORMANCE CURVE



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Product line : W40 JM Pump NEMA Premium Efficiency Three-Phase Product code : 14483248
 Catalog # : 01518OT3H254JM-W40



Performance : 575 V 60 Hz 4P

Rated current : 14.0 A	Moment of inertia (J) : 2.72 sq.ft.lb
LRC : 6.4	Duty cycle : Cont.(S1)
Rated torque : 43.9 ft.lb	Insulation class : F
Locked rotor torque : 240 %	Service factor : 1.25
Breakdown torque : 280 %	Temperature rise : 80 K
Rated speed : 1770 rpm	Design : B

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