

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 00712OT3E254JM-W40

Product line : W40 JM Pump NEMA Premium Efficiency Three-Phase Product code : 14482898
Catalog # : 00712OT3E254JM-W40

Frame	: 254JM	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 6	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	: 22.0-19.9/9.94 A	Protection degree	: IP23
L. R. Amperes	: 147-133/66.6 A	Cooling method	: IC01 - ODP
LRC	: 6.7x(Code H)	Mounting	: F-1
No load current	: 9.31-10.8/5.40 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1180 rpm	Noise level ²	: 59.0 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 32.9 ft.lb	Approx. weight ³	: 240 lb
Locked rotor torque	: 260 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 2.29 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	86.6	87.5	89.5	90.2	Max. traction
Power Factor	0.34	0.58	0.70	0.77	Max. compression

	Drive end	Non drive end
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	13/04/2019			

Page 1 / 2
Revision

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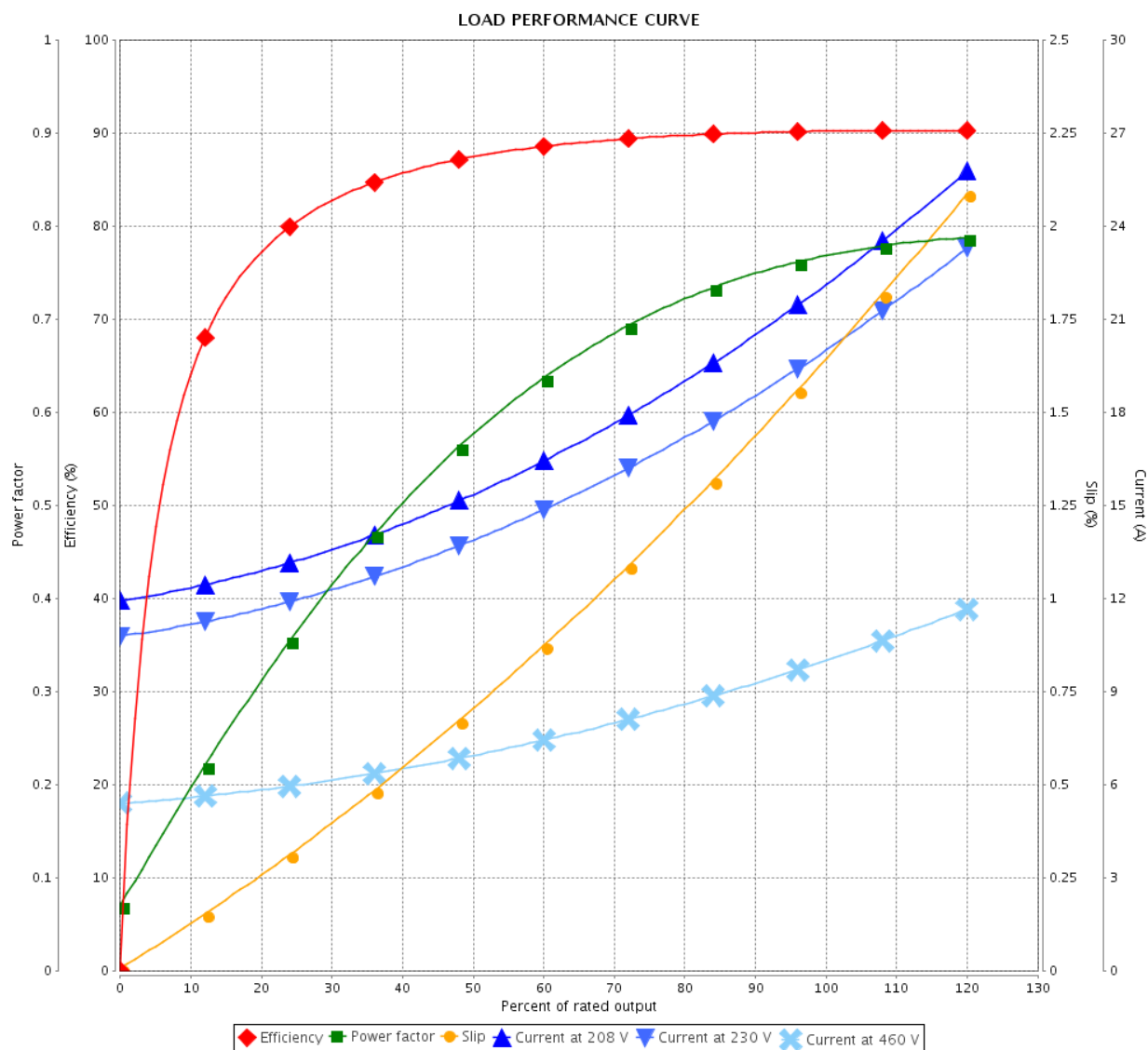


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Product line : W40 JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 14482898

Catalog # : 00712OT3E254JM-W40



Performance : 208-230/460 V 60 Hz 6P

Rated current : 22.0-19.9/9.94 A
LRC : 6.7
Rated torque : 32.9 ft.lb
Locked rotor torque : 260 %
Breakdown torque : 300 %
Rated speed : 1180 rpm

Moment of inertia (J) : 2.29 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

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Checked by				
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