

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110  
Customer reference : 14832329

Product line : W40 JM Pump High Efficiency Three-Phase  
Product code : 14832329  
Catalog # : 03036OP3EFP284JMV-W4

Frame	: 284/6JM	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 30 HP (22 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 77.2-69.8/34.9 A	Protection degree	: IP23
L. R. Amperes	: 479-433/216 A	Cooling method	: IC01 - ODP
LRC	: 6.2x(Code G)	Mounting	: W-6
No load current	: 19.0-22.0/11.0 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3540 rpm	Starting method	: Direct On Line
Slip	: 1.67 %	Approx. weight <sup>3</sup>	: 324 lb
Rated torque	: 43.9 ft.lb		
Locked rotor torque	: 170 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.59 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	90.0	90.2	91.0	91.0	Max. traction
Power Factor	0.50	0.74	0.83	0.87	Max. compression

	Drive end	Non drive end
Bearing type	: 6311 Z C3	: 6211 Z C3
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 11517 h	: 14226 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	16/04/2019			

Page 1 / 2  
Revision

# LOAD PERFORMANCE CURVE

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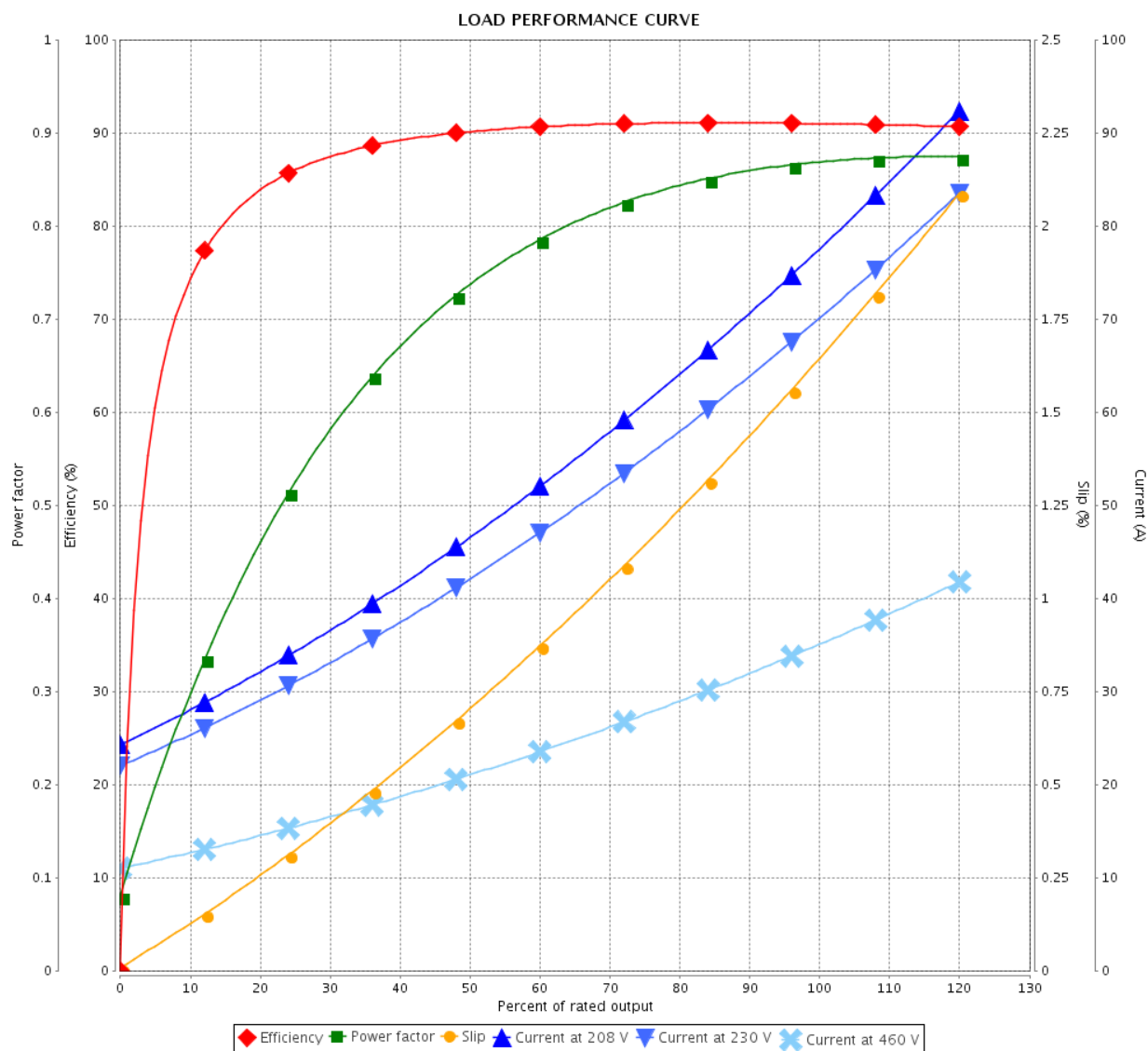


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Product line : W40 JM Pump High Efficiency  
Three-Phase

Product code : 14832329

Catalog # : 03036OP3EFP284JMV-W4



Performance : 208-230/460 V 60 Hz 2P

Rated current : 77.2-69.8/34.9 A  
LRC : 6.2  
Rated torque : 43.9 ft.lb  
Locked rotor torque : 170 %  
Breakdown torque : 260 %  
Rated speed : 3540 rpm

Moment of inertia (J) : 1.59 sq.ft.lb  
Duty cycle : Cont.(S1)  
Insulation class : F  
Service factor : 1.15  
Temperature rise : 80 K  
Design : B

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

