

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : Dealers Industrial Equipment 800-469-3110
Customer reference : 14829213

Product line : W40 JP Pump High Efficiency Three-Phase Product code : 14829213
Catalog # : 03018OP3EFP286JPV-W4

Frame	: 284/6JP	Locked rotor time	: 39s (cold) 22s (hot)
Output	: 30 HP (22 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	: 78.7-71.2/35.6 A	Protection degree	: IP23
L. R. Amperes	: 496-449/224 A	Cooling method	: IC01 - ODP
LRC	: 6.3x(Code G)	Mounting	: W-6
No load current	: 19.0-22.0/11.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1765 rpm	Starting method	: Direct On Line
Slip	: 1.94 %	Approx. weight ³	: 381 lb
Rated torque	: 88.1 ft.lb		
Locked rotor torque	: 250 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 3.70 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	91.5	91.7	92.4	92.4	Max. traction
Power Factor	0.49	0.71	0.80	0.84	Max. compression

	Drive end	Non drive end
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.

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

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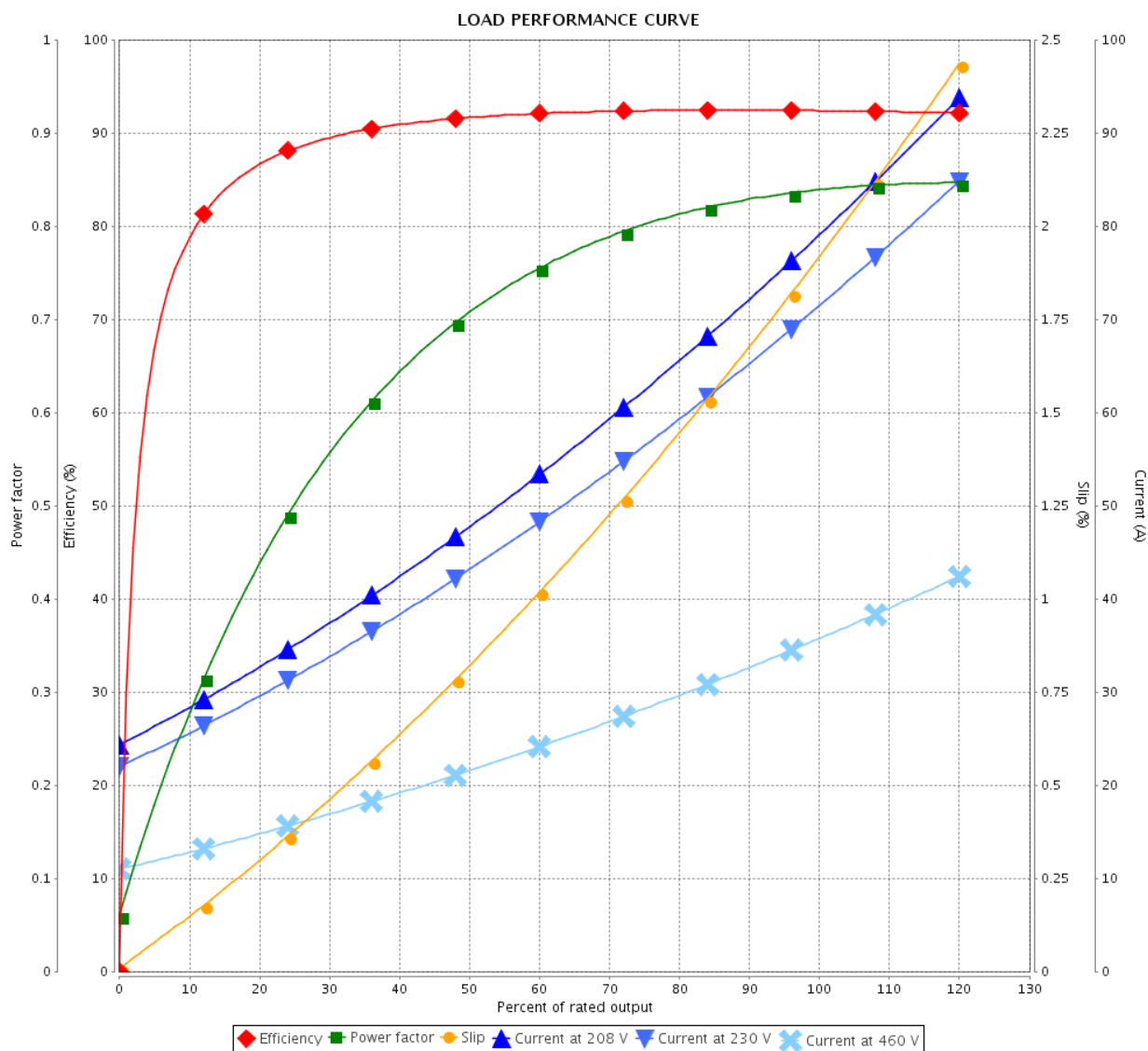


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Product line : W40 JP Pump High Efficiency
Three-Phase

Product code : 14829213

Catalog # : 03018OP3EFP286JPV-W4



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

Rated current : 78.7-71.2/35.6 A
LRC : 6.3
Rated torque : 88.1 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 250 %
Rated speed : 1765 rpm

Moment of inertia (J) : 3.70 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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