

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code : 15860071		
Frame	: 324/6JP	Locked rotor time	: 30s (cold) 17s (hot)			
Output	: 30 HP (22 kW)	Temperature rise	: 80 K			
Poles	: 6	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	: 28.8 A	Protection degree	: IP23			
L. R. Amperes	: 181 A	Cooling method	: IC01 - ODP			
LRC	: 6.3x(Code G)	Mounting	: F-1			
No load current	: 12.1 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1182 rpm	Noise level ²	: 62.0 dB(A)			
Slip	: 1.50 %	Starting method	: Direct On Line			
Rated torque	: 18.4 kgfm	Approx. weight ³	: 240 kg			
Locked rotor torque	: 200 %					
Breakdown torque	: 240 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.4029 kgm ²					
Design	: B					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	92.4	93.0	93.6	Max. traction		
Power Factor	0.66	0.77	0.82	Max. compression		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6312 Z C3		6211 Z C3		
Sealing	:	Without Bearing Seal		Without Bearing Seal		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	21 g		11 g		
Lubricant type	:	Mobil Polyrex EM				
Notes						
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
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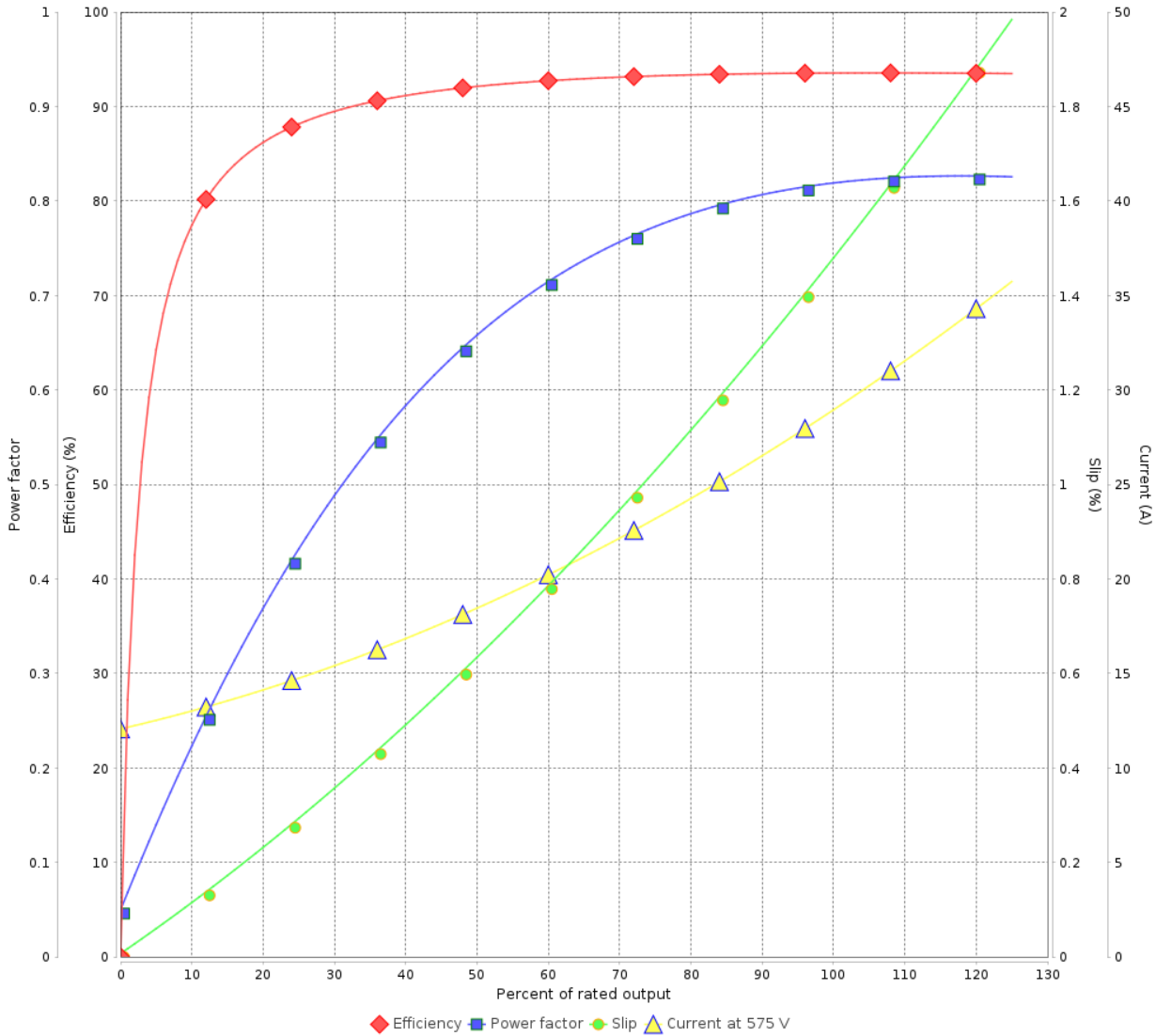
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 JP Pump NEMA Premium Efficiency Three-Phase Product code : 15860071

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 6P

Rated current	: 28.8 A	Moment of inertia (J)	: 0.4029 kgm ²
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 18.4 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 1182 rpm	Design	: B

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