

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase			Product code : 14728198			
Frame	: 324/6JM			Locked rotor time	: 46s (cold) 26s (hot)	
Output	: 25 HP (18.5 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	: 24.6 A			Protection degree	: IP55	
L. R. Amperes	: 153 A			Cooling method	: IC411 - TEFC	
LRC	: 6.2x(Code G)			Mounting	: F-1	
No load current	: 11.2 A			Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1180 rpm			Noise level ²	: 62.0 dB(A)	
Slip	: 1.67 %			Starting method	: Direct On Line	
Rated torque	: 15.4 kgfm			Approx. weight ³	: 253 kg	
Locked rotor torque	: 210 %					
Breakdown torque	: 260 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.4843 kgm ²					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.2	92.4	93.0	93.0	Max. traction	: 377 kgf
Power Factor	0.40	0.65	0.77	0.81	Max. compression	: 629 kgf
Losses at normative operating points (speed;torque), in percentage of rated output power						
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
7.3	6.0	5.8	3.8	2.6	1.8	1.2
			<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:			6312 C3	6212 C3	
Sealing	:			V'Ring	V'Ring	
Lubrication interval	:			20000 h	20000 h	
Lubricant amount	:			21 g	13 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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Date	22/10/2023				1 / 2	

LOAD PERFORMANCE CURVE

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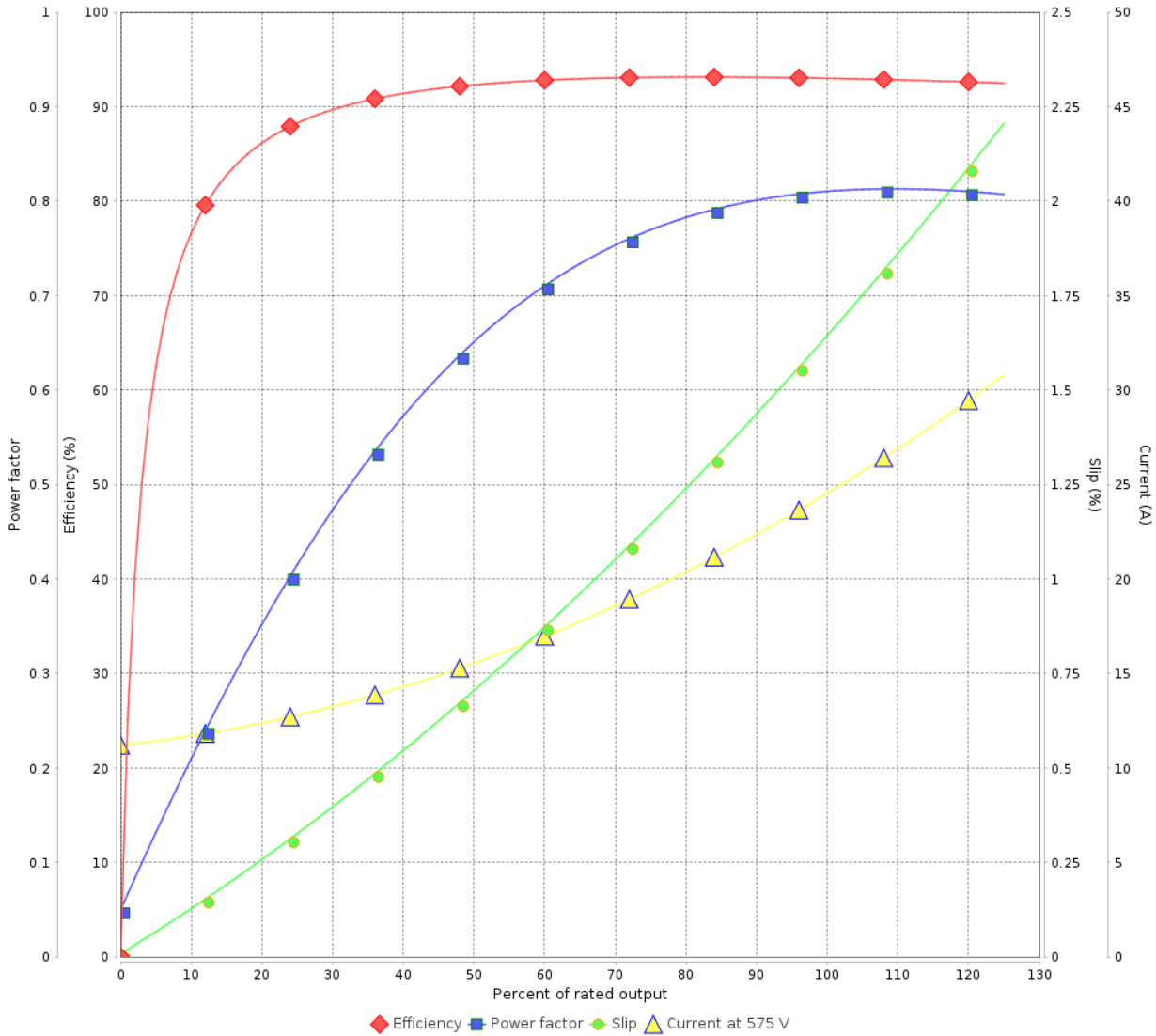


Customer :

Product line : W22 Close Coupled Pump JM NEMA
Premium Efficiency Three-Phase

Product code : 14728198

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Performance : 575 V 60 Hz 6P

Rated current : 24.6 A
LRC : 6.2
Rated torque : 15.4 kgfm
Locked rotor torque : 210 %
Breakdown torque : 260 %
Rated speed : 1180 rpm

Moment of inertia (J) : 0.4843 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

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