

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase			Product code :		11774615	
Frame	: 254/6JM		Locked rotor time	: 46s (cold) 26s (hot)		
Output	: 10 HP (7.5 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	: 10.6 A		Protection degree	: IP55		
L. R. Amperes	: 69.2 A		Cooling method	: IC411 - TEFC		
LRC	: 6.5x(Code H)		Mounting	: F-1		
No load current	: 4.80 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1175 rpm		Noise level ²	: 59.0 dB(A)		
Slip	: 2.08 %		Starting method	: Direct On Line		
Rated torque	: 6.18 kgfm		Approx. weight ³	: 140 kg		
Locked rotor torque	: 229 %					
Breakdown torque	: 280 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.1867 kgm ²					
Design	: B					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	90.2	91.0	91.0	Max. traction	: 202 kgf	
Power Factor	0.63	0.74	0.78	Max. compression	: 342 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)
9.8	8.4	7.8	5.0	3.6	2.5	1.8
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6309 C3		6209 C3		
Sealing	:	V'Ring		V'Ring		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	13 g		9 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
Performed by						
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Date	14/01/2024				1 / 2	

LOAD PERFORMANCE CURVE

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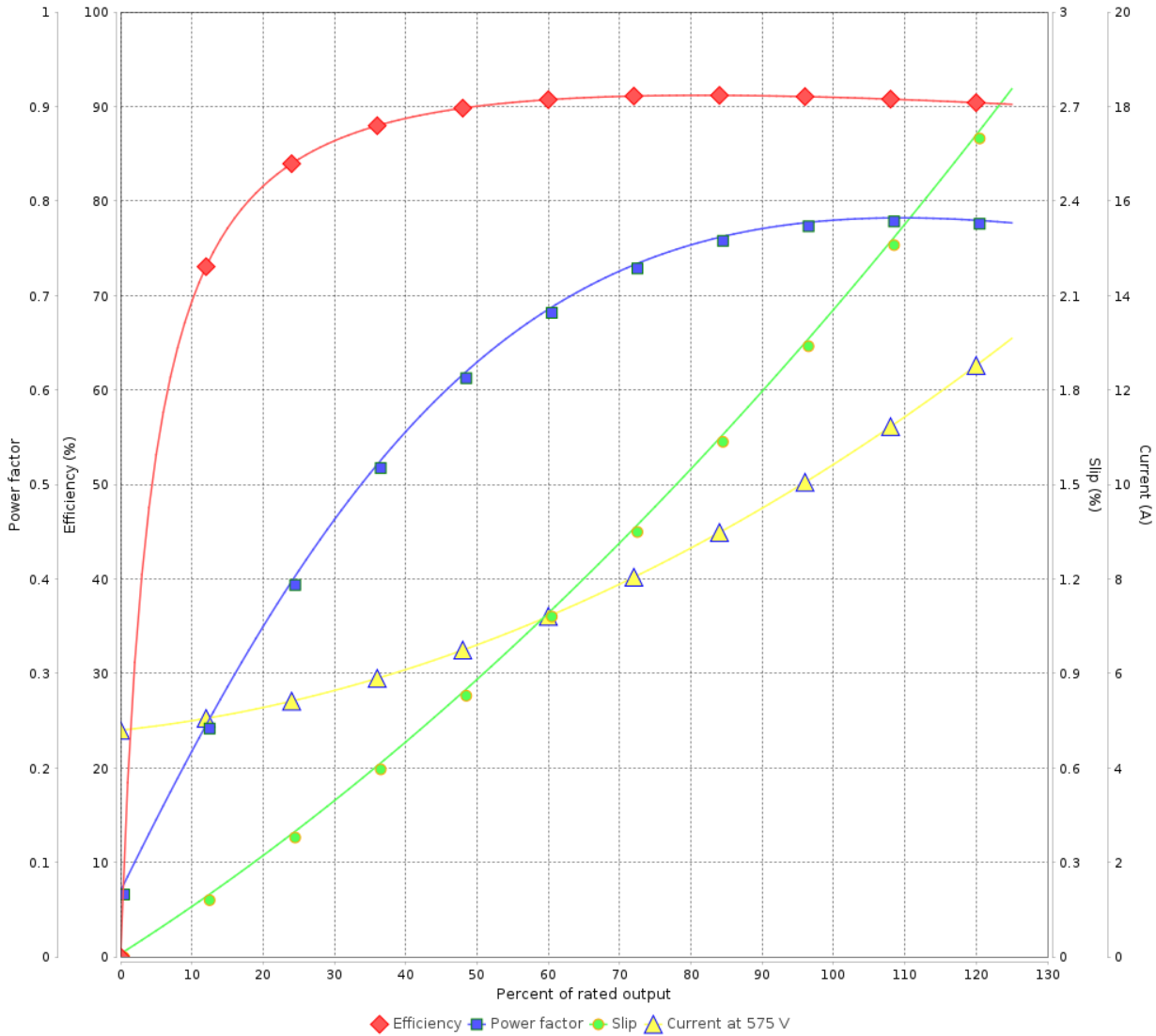


Customer : _____

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

Product code : 11774615

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Performance : 575 V 60 Hz 6P

Rated current : 10.6 A
LRC : 6.5
Rated torque : 6.18 kgfm
Locked rotor torque : 229 %
Breakdown torque : 280 %
Rated speed : 1175 rpm

Moment of inertia (J) : 0.1867 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

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