

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 11083738		
Frame	: 256JP	Locked rotor time	: 21s (cold) 12s (hot)			
Output	: 20 HP (15 kW)	Temperature rise	: 80 K			
Poles	: 4	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	: 19.8 A	Protection degree	: IP23			
L. R. Amperes	: 124 A	Cooling method	: IC01 - ODP			
LRC	: 6.3x(Code G)	Mounting	: F-1			
No load current	: 9.60 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1770 rpm	Noise level ²	: 60.0 dB(A)			
Slip	: 1.67 %	Starting method	: Direct On Line			
Rated torque	: 8.20 kgfm	Approx. weight ³	: 128 kg			
Locked rotor torque	: 260 %					
Breakdown torque	: 280 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.1104 kgm ²					
Design	: B					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	91.7	93.0	93.0	Max. traction : 297 kgf		
Power Factor	0.63	0.72	0.82	Max. compression : 425 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6309 Z C3		6209 Z C3		
Sealing	:	Without Bearing Seal		Without Bearing Seal		
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.			
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LOAD PERFORMANCE CURVE

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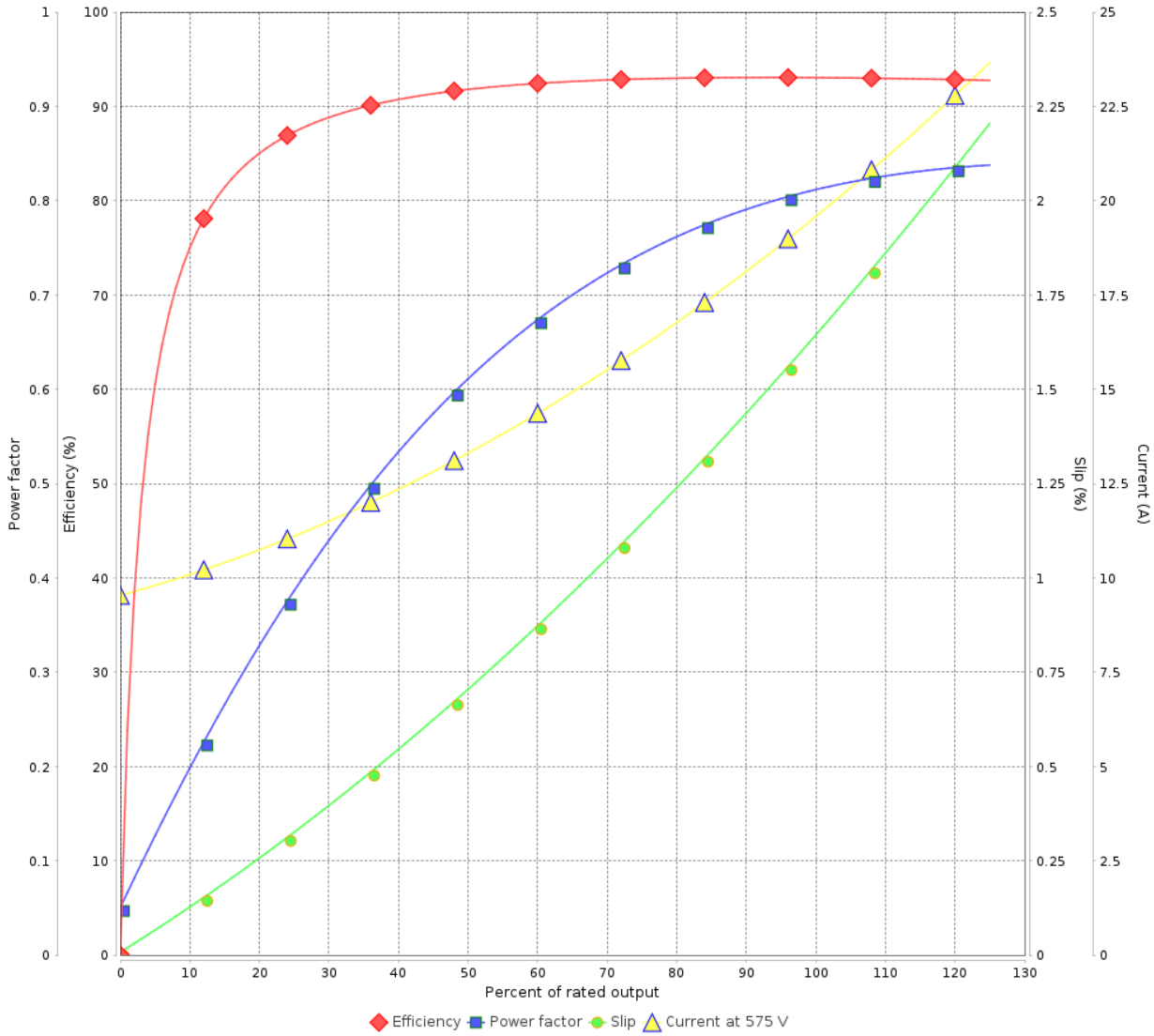


Customer : _____

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

Product code : 11083738

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current : 19.8 A
LRC : 6.3
Rated torque : 8.20 kgfm
Locked rotor torque : 260 %
Breakdown torque : 280 %
Rated speed : 1770 rpm

Moment of inertia (J) : 0.1104 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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