

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Close Coupled Pump NEMA Premium Efficiency Three-Phase		Product code : 11168018	
Frame	: 213/5JM	Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 10 HP (7.5 kW)	Temperature rise	: 105 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	: 9.90 A	Protection degree	: IP21		
L. R. Amperes	: 64.3 A	Cooling method	: IC01 - ODP		
LRC	: 6.5x(Code H)	Mounting	: F-1		
No load current	: 4.36 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1765 rpm	Noise level ²	: 59.0 dB(A)		
Slip	: 1.94 %	Starting method	: Direct On Line		
Rated torque	: 4.11 kgfm	Approx. weight ³	: 57.1 kg		
Locked rotor torque	: 210 %				
Breakdown torque	: 290 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0504 kgm ²				
Design	: B				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	90.2	91.0	91.7	Max. traction : 192 kgf	
Power Factor	0.64	0.76	0.83	Max. compression : 249 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6209 ZZ	6206 ZZ		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
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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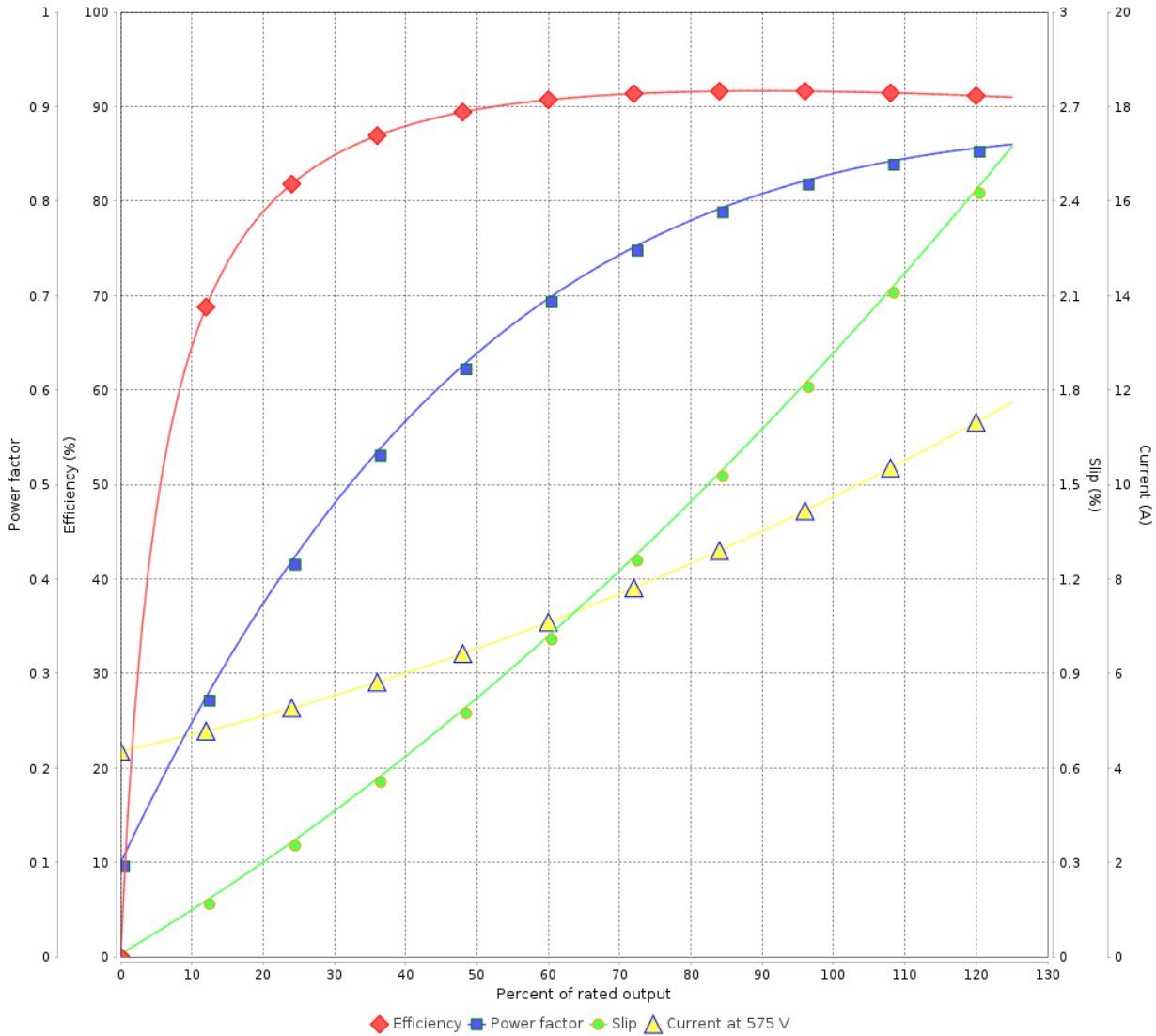


Customer :

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

Product code : 11168018

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current : 9.90 A
LRC : 6.5
Rated torque : 4.11 kgfm
Locked rotor torque : 210 %
Breakdown torque : 290 %
Rated speed : 1765 rpm

Moment of inertia (J) : 0.0504 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 105 K
Design : B

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