

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Premium Efficiency Three-Phase	Product code :	13500348		
Frame	: 56C	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 16.4 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0052 kgm ²		
Design	: B				
Output [HP]	1				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.18				
L. R. Amperes [A]	10.1				
LRC [A]	8.6x(Code M)				
No load current [A]	0.712				
Rated speed [RPM]	1765				
Slip [%]	1.94				
Rated torque [kgfm]	0.411				
Locked rotor torque [%]	280				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	34s (cold) 19s (hot)				
Noise level ²	52.0 dB(A)				
Efficiency (%)	25%	81.0			
	50%	82.5			
	75%	84.0			
	100%	85.5			
Power Factor	25%	0.30			
	50%	0.52			
	75%	0.66			
	100%	0.75			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: 6204 ZZ	6202 ZZ	Max. traction	: 31 kgf	
Lubrication interval	: V'Ring	Without	Max. compression	: 48 kgf	
Lubricant amount		Bearing Seal			
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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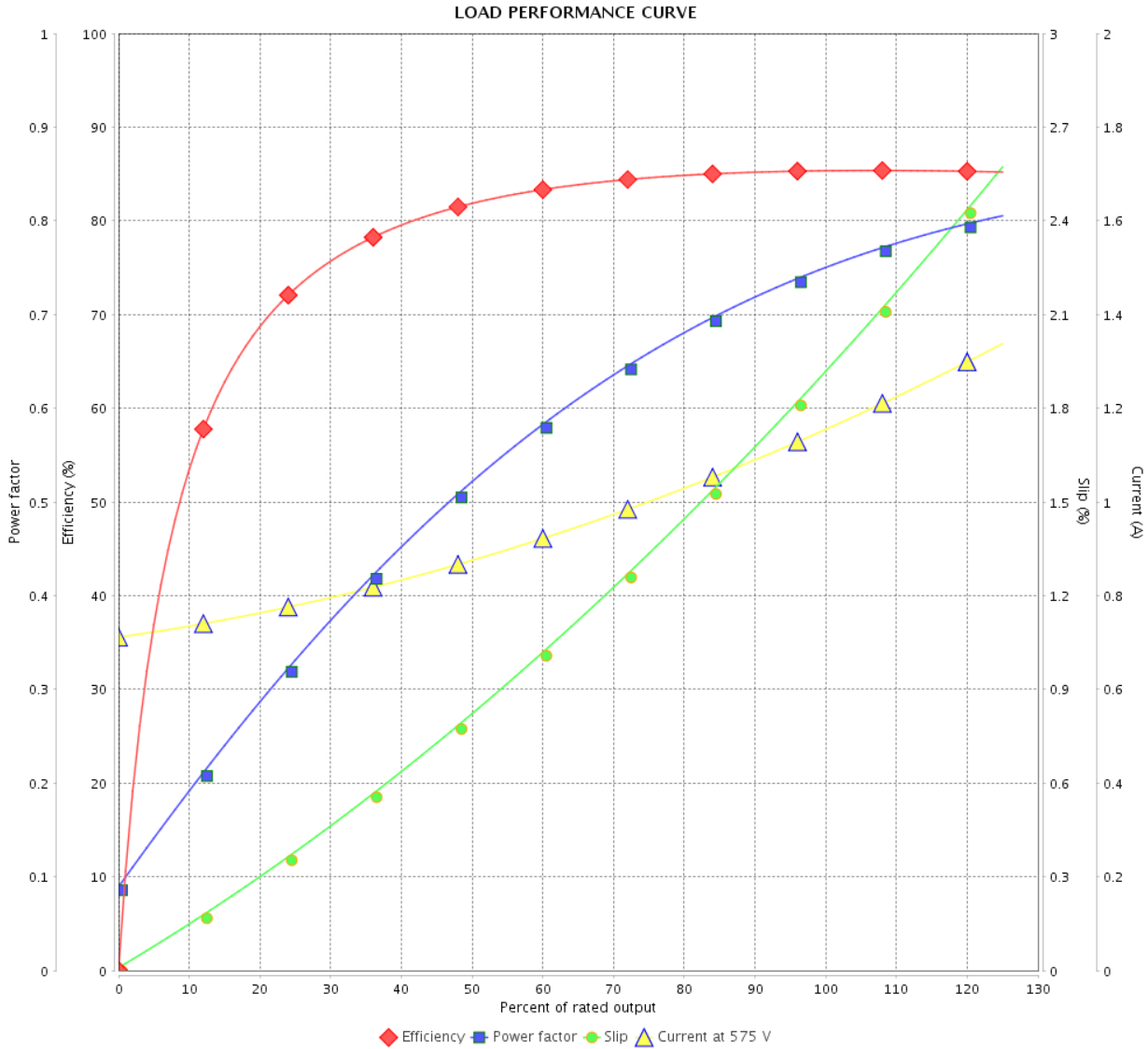
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13500348



Performance : 575 V 60 Hz 4P

Rated current	: 1.18 A	Moment of inertia (J)	: 0.0052 kgm ²
LRC	: 8.6	Duty cycle	: Cont.(S1)
Rated torque	: 0.411 kgfm	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: B

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