

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Premium Efficiency Three-Phase	Product code :	13500356		
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	: 14.9 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0043 kgm ²		
Design	: B				
Output [HP]	1.5				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.50				
L. R. Amperes [A]	13.6				
LRC [A]	9.1x(Code L)				
No load current [A]	0.687				
Rated speed [RPM]	3520				
Slip [%]	2.22				
Rated torque [kgfm]	0.309				
Locked rotor torque [%]	229				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	30s (cold) 17s (hot)				
Noise level ²	68.0 dB(A)				
Efficiency (%)	25%				
	50%	80.0			
	75%	82.5			
	100%	84.0			
Power Factor	25%				
	50%	0.71			
	75%	0.82			
	100%	0.88			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 22 kgf	
Lubrication interval	: -	-	Max. compression	: 37 kgf	
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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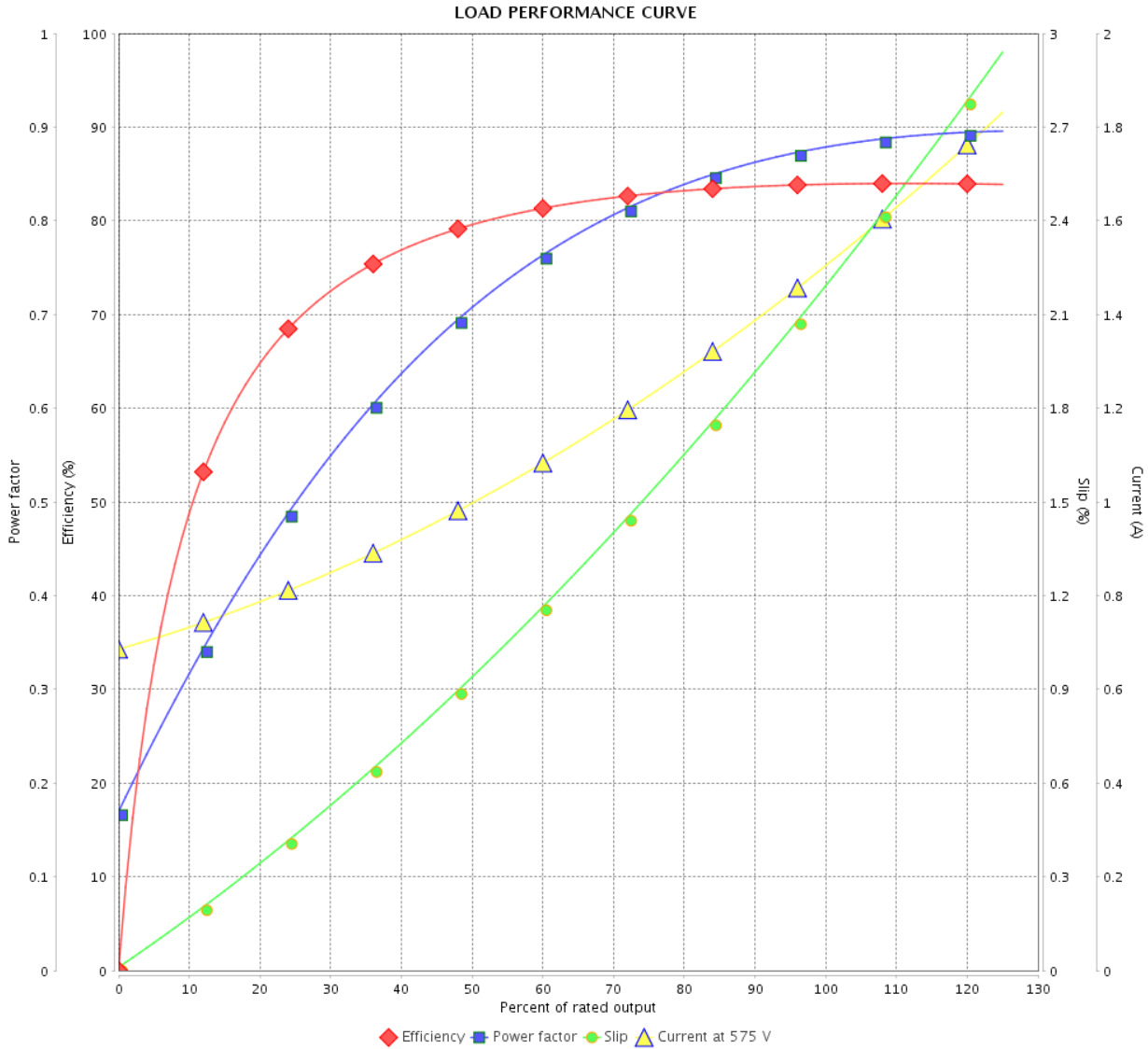
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13500356



Performance : 575 V 60 Hz 2P

Rated current : 1.50 A
 LRC : 9.1
 Rated torque : 0.309 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 3520 rpm

Moment of inertia (J) : 0.0043 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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