

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Three-Phase			
Product code :	13709215			
Frame	: 56H			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Protection degree	: IP55			
Design	: B			
Cooling method	: IC411 - TEFC			
Mounting	: F-1			
Rotation ¹	: Both (CW and CCW)			
Starting method	: Direct On Line			
Approx. weight ³	: 16.9 kg			
Moment of inertia (J)	: 0.0046 kgm ²			
Output [HP]	1.5			
Poles	4			
Frequency [Hz]	60			
Rated voltage [V]	575			
Rated current [A]	1.62			
L. R. Amperes [A]	13.3			
LRC [A]	8.2x(Code K)			
No load current [A]	0.867			
Rated speed [RPM]	1750			
Slip [%]	2.78			
Rated torque [kgfm]	0.622			
Locked rotor torque [%]	270			
Breakdown torque [%]	300			
Service factor	1.15			
Temperature rise	80 K			
Locked rotor time	37s (cold) 21s (hot)			
Noise level ²	52.0 dB(A)			
Efficiency (%)	25%			
	50%	85.5		
	75%	86.5		
	100%	86.5		
Power Factor	25%			
	50%	0.59		
	75%	0.72		
	100%	0.79		
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ			
Sealing	: V'Ring V'Ring			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 51 kgf			
	Max. compression : 68 kgf			
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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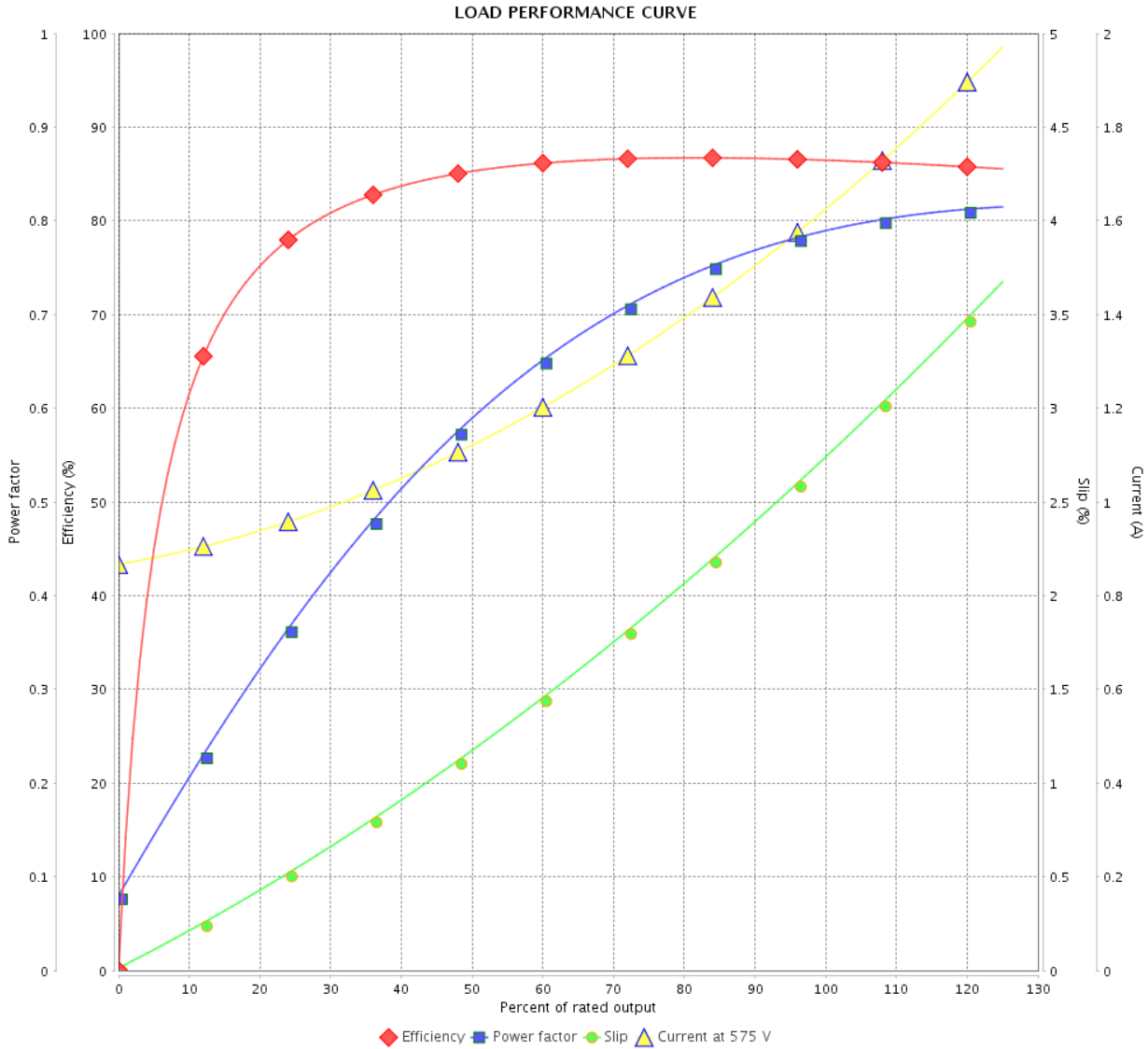
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Three-Phase

Product code : 13709215



Performance : 575 V 60 Hz 4P

Rated current : 1.62 A	Moment of inertia (J) : 0.0046 kgm ²
LRC : 8.2	Duty cycle : Cont.(S1)
Rated torque : 0.622 kgfm	Insulation class : F
Locked rotor torque : 270 %	Service factor : 1.15
Breakdown torque : 300 %	Temperature rise : 80 K
Rated speed : 1750 rpm	Design : B

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