

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Standard Efficiency Three-Phase	Product code	: 12894795		
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	: 11.0 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0027 kgm ²		
Output [HP]	1				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.21				
L. R. Amperes [A]	8.70				
LRC [A]	7.2x(Code K)				
No load current [A]	0.568				
Rated speed [RPM]	3480				
Slip [%]	3.33				
Rated torque [kgfm]	0.209				
Locked rotor torque [%]	240				
Breakdown torque [%]	290				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	43s (cold) 24s (hot)				
Noise level ²	68.0 dB(A)				
Efficiency (%)	25%	64.0			
	50%	66.0			
	75%	72.0			
	100%	74.0			
Power Factor	25%	0.43			
	50%	0.68			
	75%	0.79			
	100%	0.84			
Bearing type	: Drive end	6204 ZZ	Non drive end	6202 ZZ	
Sealing	: V'Ring		Without	Bearing Seal	
Lubrication interval	: -		-		
Lubricant amount	: -		-		
Lubricant type	: Mobil Polyrex EM				
Foundation loads	Max. traction : 14 kgf				
	Max. compression : 25 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.		
Rev.	Changes Summary		Performed	Checked	Date
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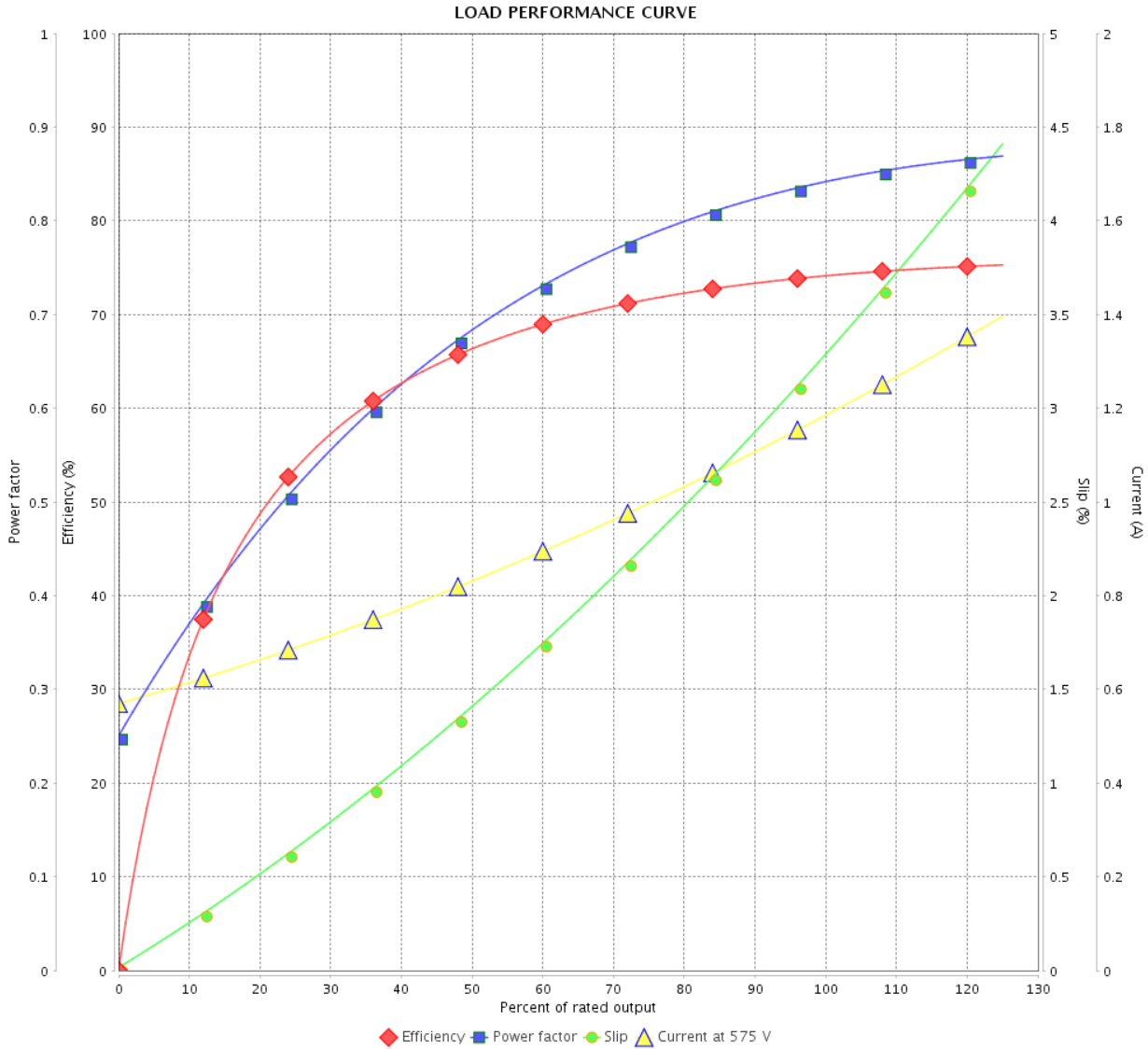
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894795



Performance : 575 V 60 Hz 2P

Rated current : 1.21 A
 LRC : 7.2
 Rated torque : 0.209 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 290 %
 Rated speed : 3480 rpm

Moment of inertia (J) : 0.0027 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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