

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer							
Product line	: Standard Efficiency Three-Phase	Product code	: 12894831				
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	: 10.3 kg				
Protection degree	: IP55	Moment of inertia (J)	: 0.0027 kgm ²				
Output [HP]	0.75						
Poles	4						
Frequency [Hz]	60						
Rated voltage [V]	575						
Rated current [A]	0.976						
L. R. Amperes [A]	6.73						
LRC [A]	6.9x(Code K)						
No load current [A]	0.720						
Rated speed [RPM]	1755						
Slip [%]	2.50						
Rated torque [kgfm]	0.310						
Locked rotor torque [%]	240						
Breakdown torque [%]	300						
Service factor	1.15						
Temperature rise	80 K						
Locked rotor time	30s (cold) 17s (hot)						
Noise level ²	52.0 dB(A)						
Efficiency (%)	25%	70.4					
	50%	72.0					
	75%	77.0					
	100%	78.5					
Power Factor	25%	0.26					
	50%	0.48					
	75%	0.61					
	100%	0.72					
Bearing type	: Drive end	6203 ZZ	Non drive end	6202 ZZ	Foundation loads	Max. traction	: 24 kgf
Sealing	: V'Ring		Without	Bearing Seal		Max. compression	: 35 kgf
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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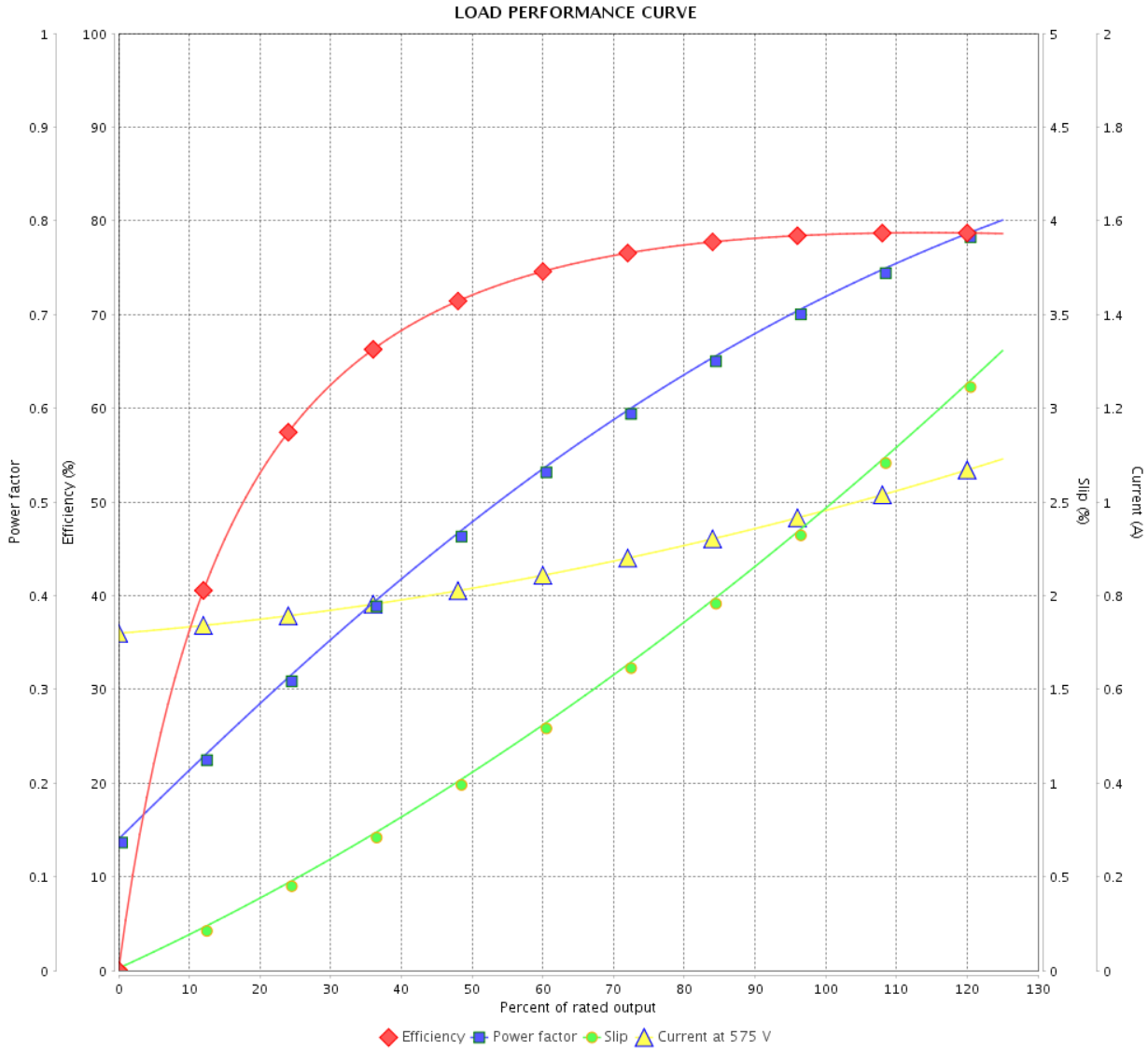
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894831



Performance : 575 V 60 Hz 4P

Rated current	: 0.976 A	Moment of inertia (J)	: 0.0027 kgm ²
LRC	: 6.9	Duty cycle	: Cont.(S1)
Rated torque	: 0.310 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1755 rpm		

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