

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Standard Efficiency Three-Phase	Product code : 12894760	
Frame : 56HC Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : A		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 14.7 kg Moment of inertia (J) : 0.0041 kgm ²		
Output [HP]		2		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		2.10		
L. R. Amperes [A]		16.1		
LRC [A]		7.7x(Code K)		
No load current [A]		0.829		
Rated speed [RPM]		3475		
Slip [%]		3.47		
Rated torque [kgfm]		0.418		
Locked rotor torque [%]		229		
Breakdown torque [%]		290		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		19s (cold) 11s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%	73.9		
	50%	75.5		
	75%	78.5		
	100%	80.0		
Power Factor	25%	0.49		
	50%	0.76		
	75%	0.86		
	100%	0.90		
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 : 31 kgf Max. compression : 46 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
Performed by			Page 1 / 2	Revision
Checked by				
Date	13/05/2022			

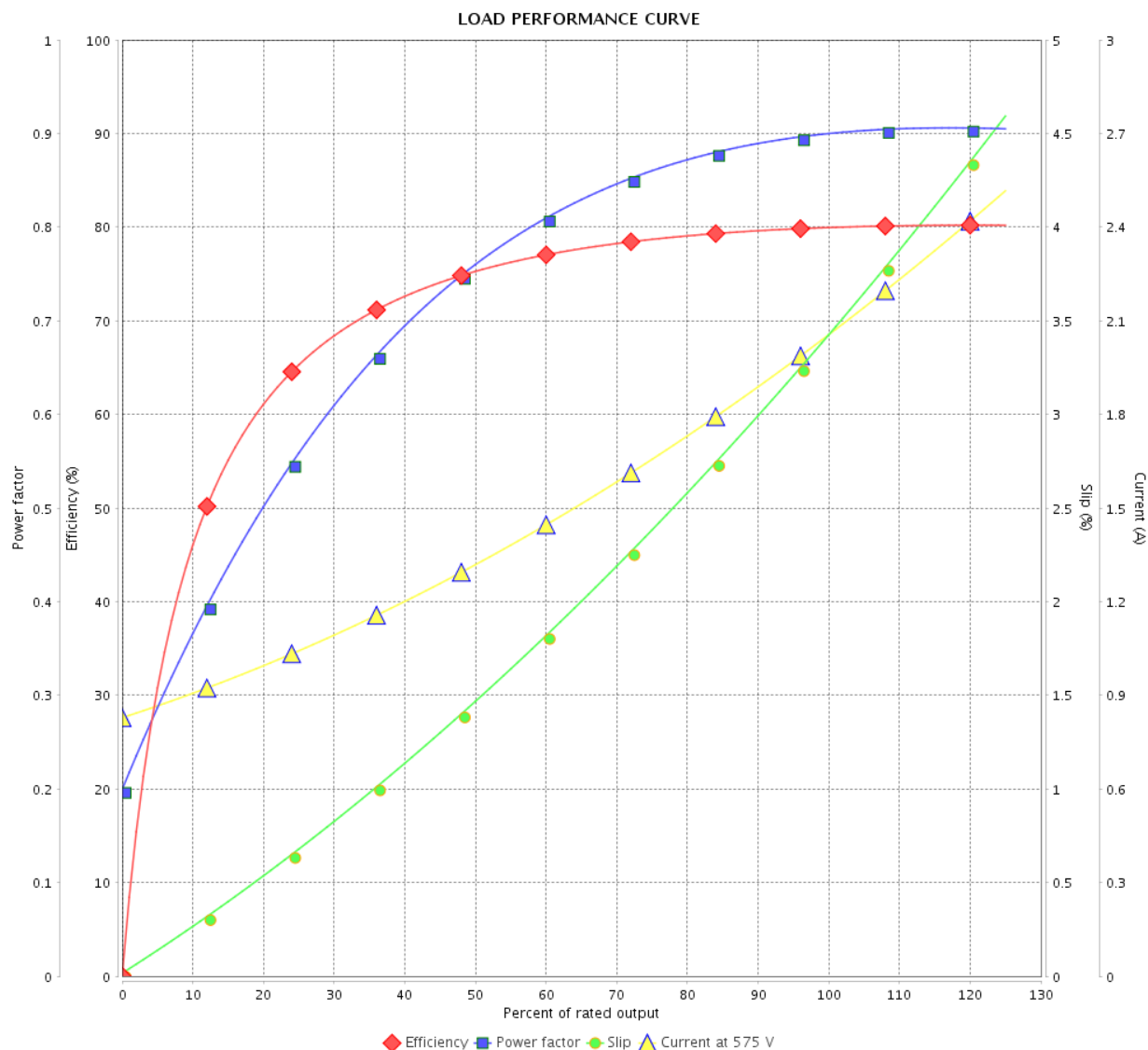
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894760



Performance : 575 V 60 Hz 2P

Rated current : 2.10 A
 LRC : 7.7
 Rated torque : 0.418 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 290 %
 Rated speed : 3475 rpm

Moment of inertia (J) : 0.0041 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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