

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Standard Efficiency Three-Phase	Product code : 12894804		
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 : 9.5 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0022 kgm ²		
Output [HP]		0.75		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.904		
L. R. Amperes [A]		6.33		
LRC [A]		7.0x(Code K)		
No load current [A]		0.440		
Rated speed [RPM]		3475		
Slip [%]		3.47		
Rated torque [kgfm]		0.157		
Locked rotor torque [%]		250		
Breakdown torque [%]		290		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		41s (cold) 23s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%	58.8		
	50%	62.0		
	75%	68.0		
	100%	72.0		
Power Factor	25%	0.45		
	50%	0.70		
	75%	0.79		
	100%	0.85		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 9 kgf		
Lubrication interval	: - -	Max. compression : 19 kgf		
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	13/05/2022		1 / 2	

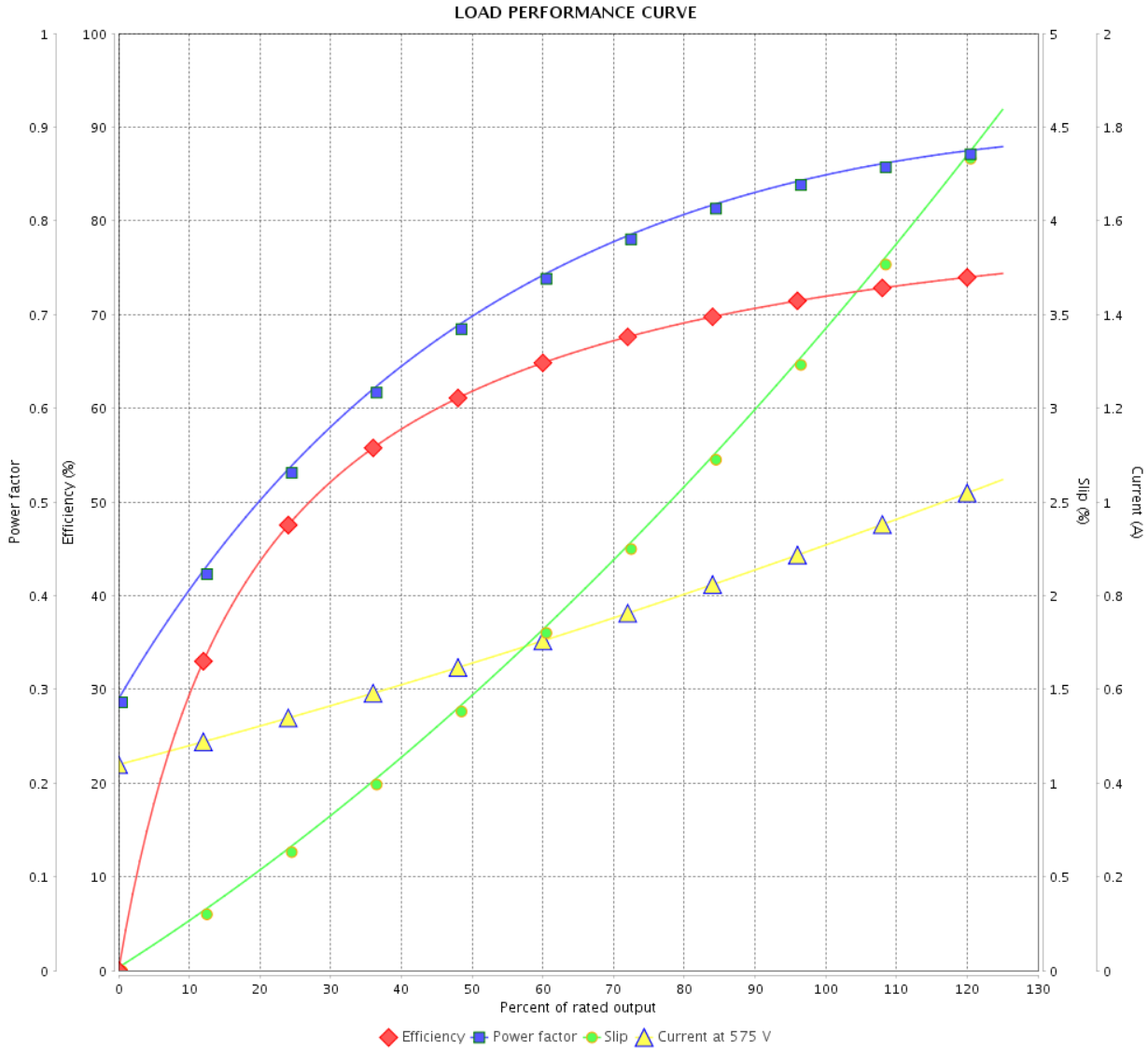
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894804



Performance : 575 V 60 Hz 2P

Rated current : 0.904 A
 LRC : 7.0
 Rated torque : 0.157 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 290 %
 Rated speed : 3475 rpm

Moment of inertia (J) : 0.0022 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	13/05/2022			

