

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 13067513		
Frame	: 143/5TC	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 : 22.6 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0070 kgm ²		
Design	: B			
Output [HP]		3		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		2.81		
L. R. Amperes [A]		26.7		
LRC [A]		9.5x(Code K)		
No load current [A]		1.02		
Rated speed [RPM]		3500		
Slip [%]		2.78		
Rated torque [kgfm]		0.622		
Locked rotor torque [%]		300		
Breakdown torque [%]		380		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		18s (cold) 10s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%			
	50%	84.0		
	75%	86.5		
	100%	86.5		
Power Factor	25%			
	50%	0.78		
	75%	0.87		
	100%	0.91		
Bearing type	: <u>Drive end</u> 6205 ZZ <u>Non drive end</u> 6203 ZZ	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 56 kgf		
Lubrication interval	: - -	Max. compression : 78 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

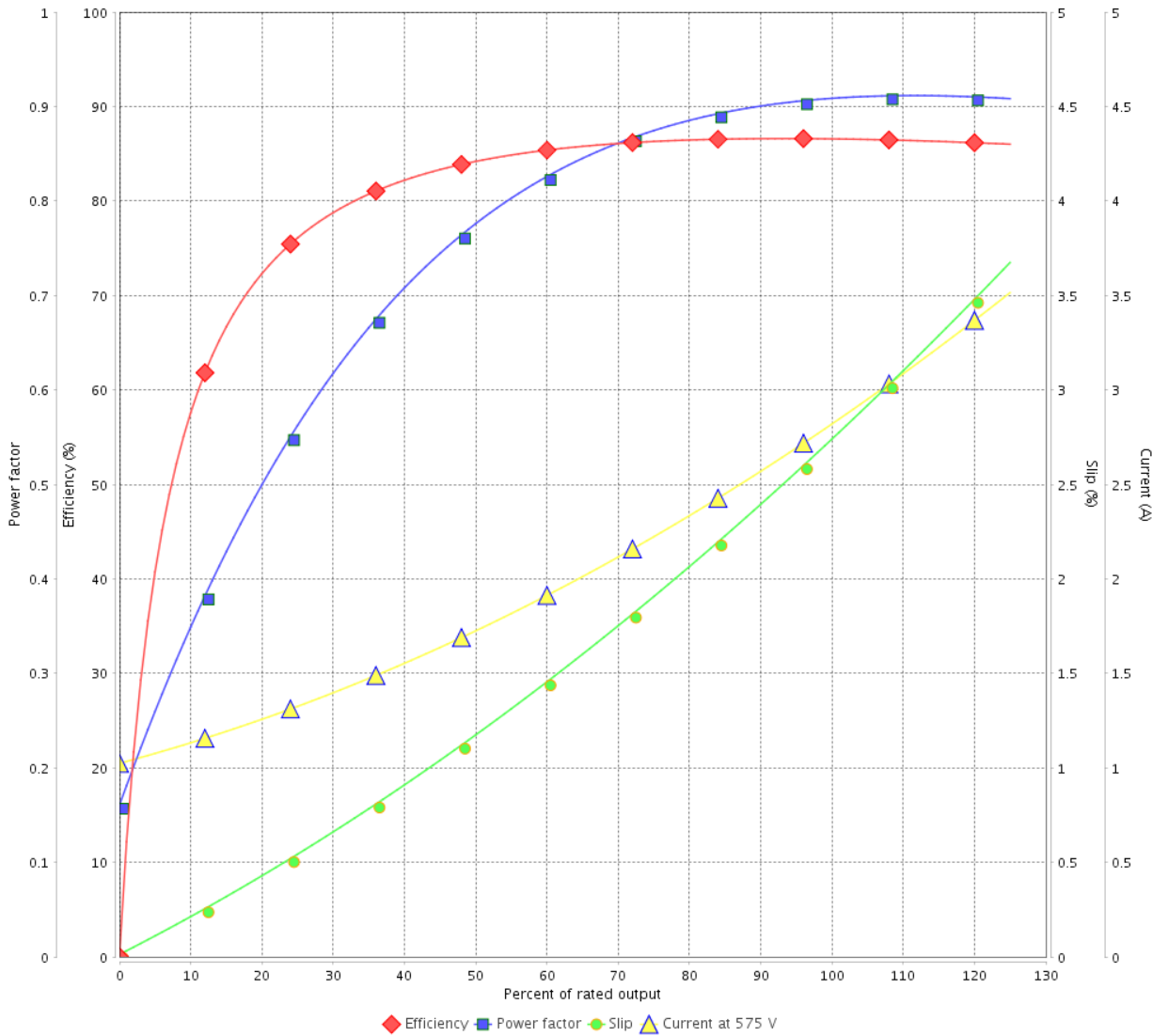
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : NEMA Premium Efficiency Three-Phase Product code : 13067513

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 2P

Rated current	: 2.81 A	Moment of inertia (J)	: 0.0070 kgm ²
LRC	: 9.5	Duty cycle	: Cont.(S1)
Rated torque	: 0.622 kgfm	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	: 1.15
Breakdown torque	: 380 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm	Design	: B

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