

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase	Product code : 12675409	
Frame		: 143/5T	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 : 17.5 kg	
Protection degree		: IP55	Moment of inertia (J) : 0.0067 kgm ²	
Design		: B		
Output [HP]		1		
Poles		6		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.26		
L. R. Amperes [A]		7.33		
LRC [A]		5.8x(Code J)		
No load current [A]		0.810		
Rated speed [RPM]		1145		
Slip [%]		4.58		
Rated torque [kgfm]		0.634		
Locked rotor torque [%]		229		
Breakdown torque [%]		280		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		55s (cold) 31s (hot)		
Noise level ²		50.0 dB(A)		
Efficiency (%)	25%			
	50%	80.0		
	75%	82.5		
	100%	82.5		
Power Factor	25%			
	50%	0.50		
	75%	0.63		
	100%	0.72		
Bearing type		Drive end : 6205 ZZ	Non drive end : 6203 ZZ	Foundation loads
Sealing		: V'Ring	: V'Ring	Max. traction : 42 kgf
Lubrication interval		: -	: -	Max. compression : 59 kgf
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.	
Rev.	Changes Summary		Performed	Checked
Performed by				
Checked by			Page	Revision
Date	13/05/2022		1 / 2	

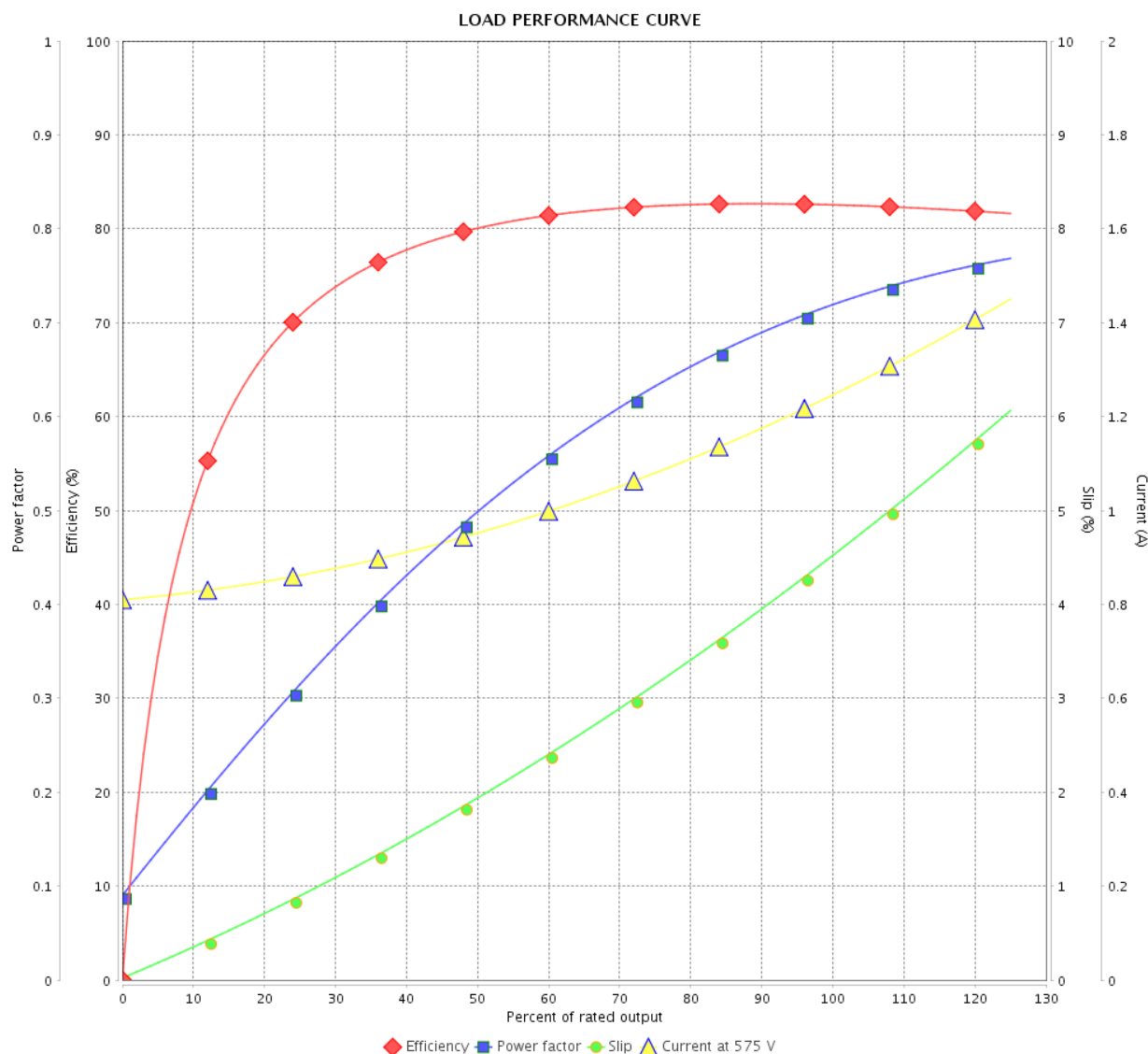
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12675409



Performance : 575 V 60 Hz 6P

Rated current	: 1.26 A	Moment of inertia (J)	: 0.0067 kgm ²
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.634 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 1145 rpm	Design	: B

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

