

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase	Product code : 12727233	
Frame : 254/6T		Cooling method : IC01 - ODP		
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 : 85.4 kg		
Design : B		Moment of inertia (J) : 0.0767 kgm ²		
Output [HP]		15		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		14.9		
L. R. Amperes [A]		100		
LRC [A]		6.7x(Code H)		
No load current [A]		7.60		
Rated speed [RPM]		1775		
Slip [%]		1.39		
Rated torque [kgfm]		6.13		
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		64.0 dB(A)		
Efficiency (%)	25%	91.0		
	50%	91.7		
	75%	92.4		
	100%	93.0		
Power Factor	25%	0.36		
	50%	0.62		
	75%	0.73		
	100%	0.80		
Bearing type		Drive end : 6309 Z C3	Non drive end : 6208 Z C3	Foundation loads Max. traction : 247 kgf Max. compression : 332 kgf
Sealing		Without Bearing Seal	Without Bearing Seal	
Lubrication interval		20000 h	20000 h	
Lubricant amount		13 g	8 g	
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	

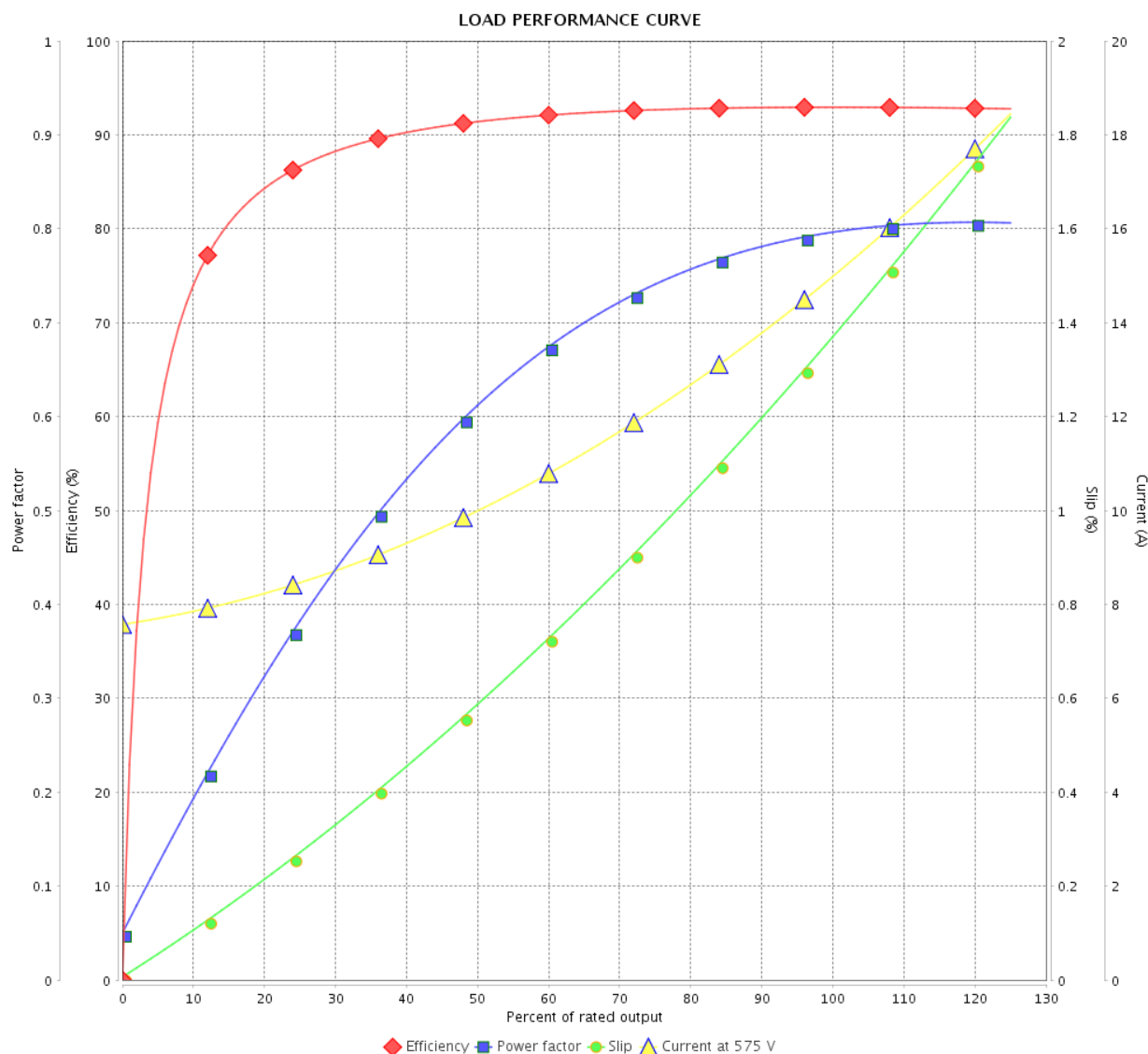
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12727233



Performance : 575 V 60 Hz 4P

Rated current	: 14.9 A	Moment of inertia (J)	: 0.0767 kgm ²
LRC	: 6.7	Duty cycle	: Cont.(S1)
Rated torque	: 6.13 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1775 rpm	Design	: B

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

