

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:				
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12630643		
Frame	: 182/4T	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	: 36.8 kg		
Design	: B	Moment of inertia (J)	: 0.0169 kgm ²		
Output [HP]	5				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	5.06				
L. R. Amperes [A]	36.5				
LRC [A]	7.2x(Code J)				
No load current [A]	2.52				
Rated speed [RPM]	1760				
Slip [%]	2.22				
Rated torque [kgfm]	2.06				
Locked rotor torque [%]	200				
Breakdown torque [%]	310				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	21s (cold) 12s (hot)				
Noise level ²	55.0 dB(A)				
Efficiency (%)	25%	87.5			
	50%	88.5			
	75%	88.5			
	100%	89.5			
Power Factor	25%	0.38			
	50%	0.63			
	75%	0.76			
	100%	0.82			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: 6206 ZZ	6205 ZZ	Max. traction	: 115 kgf	
Lubrication interval	: Without	Without	Max. compression	: 152 kgf	
Lubricant amount	: Bearing Seal	Bearing Seal			
Lubricant type	: -	-			
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	Date
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Date	13/05/2022			1 / 2	

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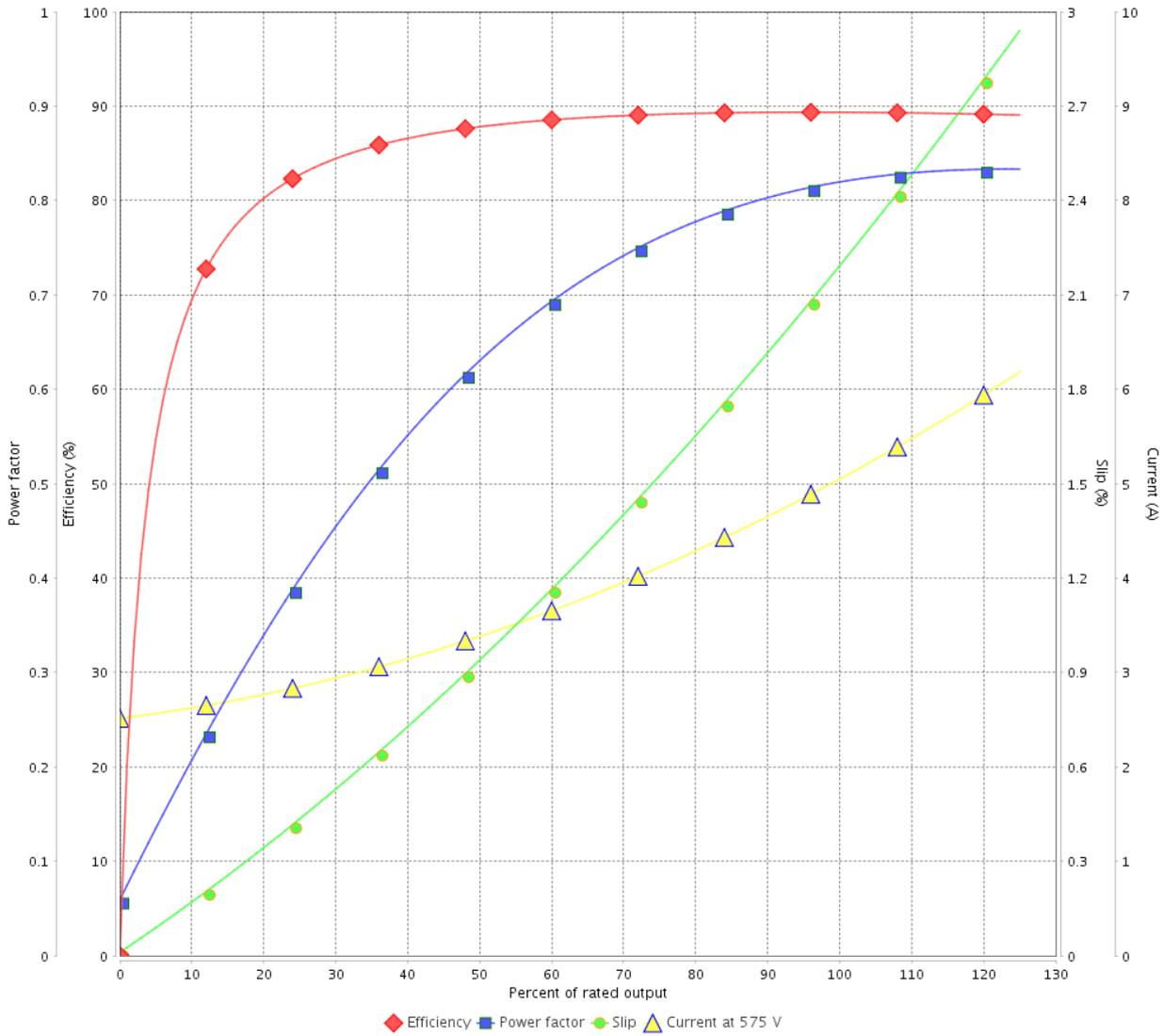
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12630643

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 5.06 A	Moment of inertia (J)	: 0.0169 kgm ²
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 2.06 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: B

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