

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer					
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12744394		
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	: 74.4 kg		
Design	: B	Moment of inertia (J)	: 0.0331 kgm ²		
Output [HP]	20				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	19.0				
L. R. Amperes [A]	114				
LRC [A]	6.0x(Code G)				
No load current [A]	6.80				
Rated speed [RPM]	3525				
Slip [%]	2.08				
Rated torque [kgfm]	4.12				
Locked rotor torque [%]	180				
Breakdown torque [%]	240				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	23s (cold) 13s (hot)				
Noise level ²	70.0 dB(A)				
Efficiency (%)	25%	90.0			
	50%	90.2			
	75%	91.0			
	100%	91.0			
Power Factor	25%	0.49			
	50%	0.76			
	75%	0.83			
	100%	0.87			
Bearing type	: Drive end : 6309 Z C3	Non drive end : 6208 Z C3	Foundation loads		
Sealing	: Without	Without	Max. traction	: 118 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 192 kgf	
Lubrication interval	: 20000 h	20000 h			
Lubricant amount	: 13 g	8 g			
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					
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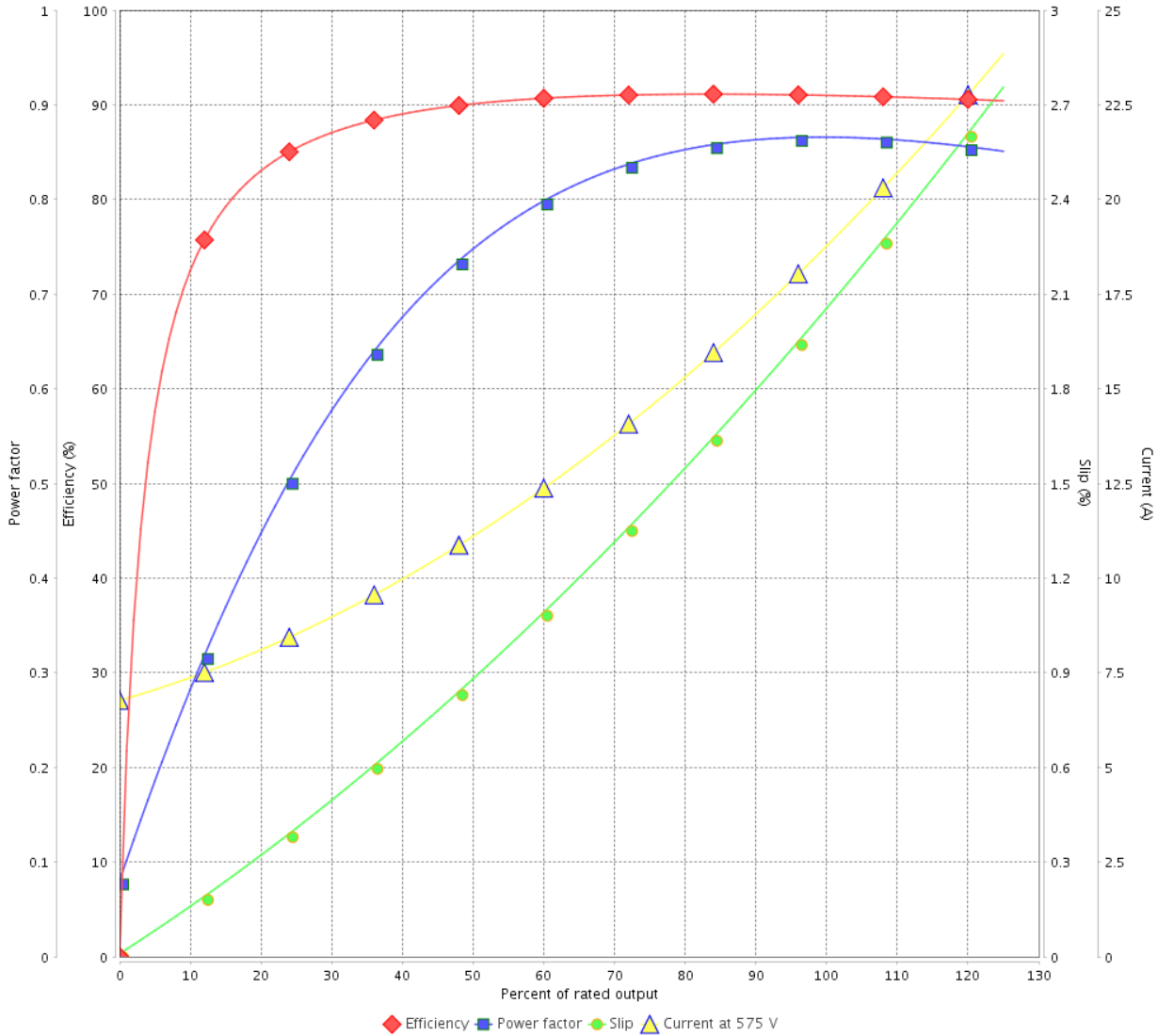
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Performance : 575 V 60 Hz 2P

Rated current	: 19.0 A	Moment of inertia (J)	: 0.0331 kgm ²
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 4.12 kgfm	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 3525 rpm	Design	: B

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