

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:				
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12812066		
Frame	: 254/6T	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	: 95.4 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0904 kgm ²		
Design	: B				
Output [HP]	15				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	14.6				
L. R. Amperes [A]	94.6				
LRC [A]	6.5x(Code G)				
No load current [A]	6.92				
Rated speed [RPM]	1770				
Slip [%]	1.67				
Rated torque [kgfm]	6.15				
Locked rotor torque [%]	250				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	34s (cold) 19s (hot)				
Noise level ²	68.0 dB(A)				
Efficiency (%)	25%	90.8			
	50%	91.0			
	75%	92.4			
	100%	92.4			
Power Factor	25%	0.39			
	50%	0.64			
	75%	0.76			
	100%	0.82			
Bearing type	: <u>Drive end</u> 6309 Z C3	<u>Non drive end</u> 6208 Z C3	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 242 kgf	
Lubrication interval	: 20000 h	20000 h	Max. compression	: 338 kgf	
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>		
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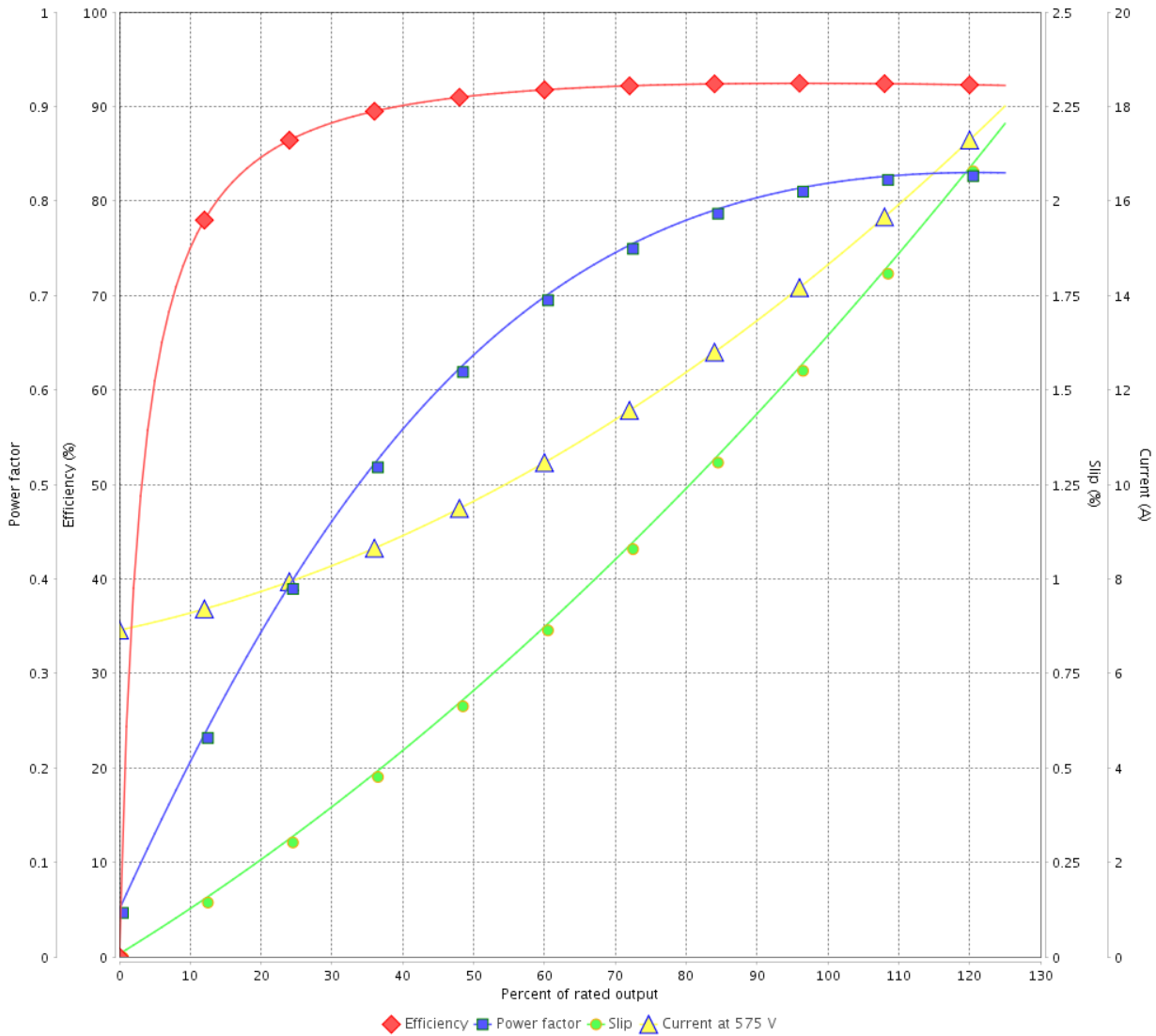
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LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 14.6 A	Moment of inertia (J)	: 0.0904 kgm ²
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 6.15 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

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