

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:				
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12675417		
Frame	: 213/5T	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	: 65.3 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0531 kgm ²		
Design	: B				
Output [HP]	5				
Poles	6				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	5.39				
L. R. Amperes [A]	32.4				
LRC [A]	6.0x(Code H)				
No load current [A]	2.73				
Rated speed [RPM]	1175				
Slip [%]	2.08				
Rated torque [kgfm]	3.09				
Locked rotor torque [%]	220				
Breakdown torque [%]	250				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	54s (cold) 30s (hot)				
Noise level ²	55.0 dB(A)				
Efficiency (%)	25%	86.4			
	50%	87.5			
	75%	88.5			
	100%	89.5			
Power Factor	25%	0.35			
	50%	0.59			
	75%	0.71			
	100%	0.77			
Bearing type	: <u>Drive end</u> 6208 ZZ	<u>Non drive end</u> 6206 ZZ	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 110 kgf	
Lubrication interval	: -	-	Max. compression	: 175 kgf	
Lubricant amount	: -	-			
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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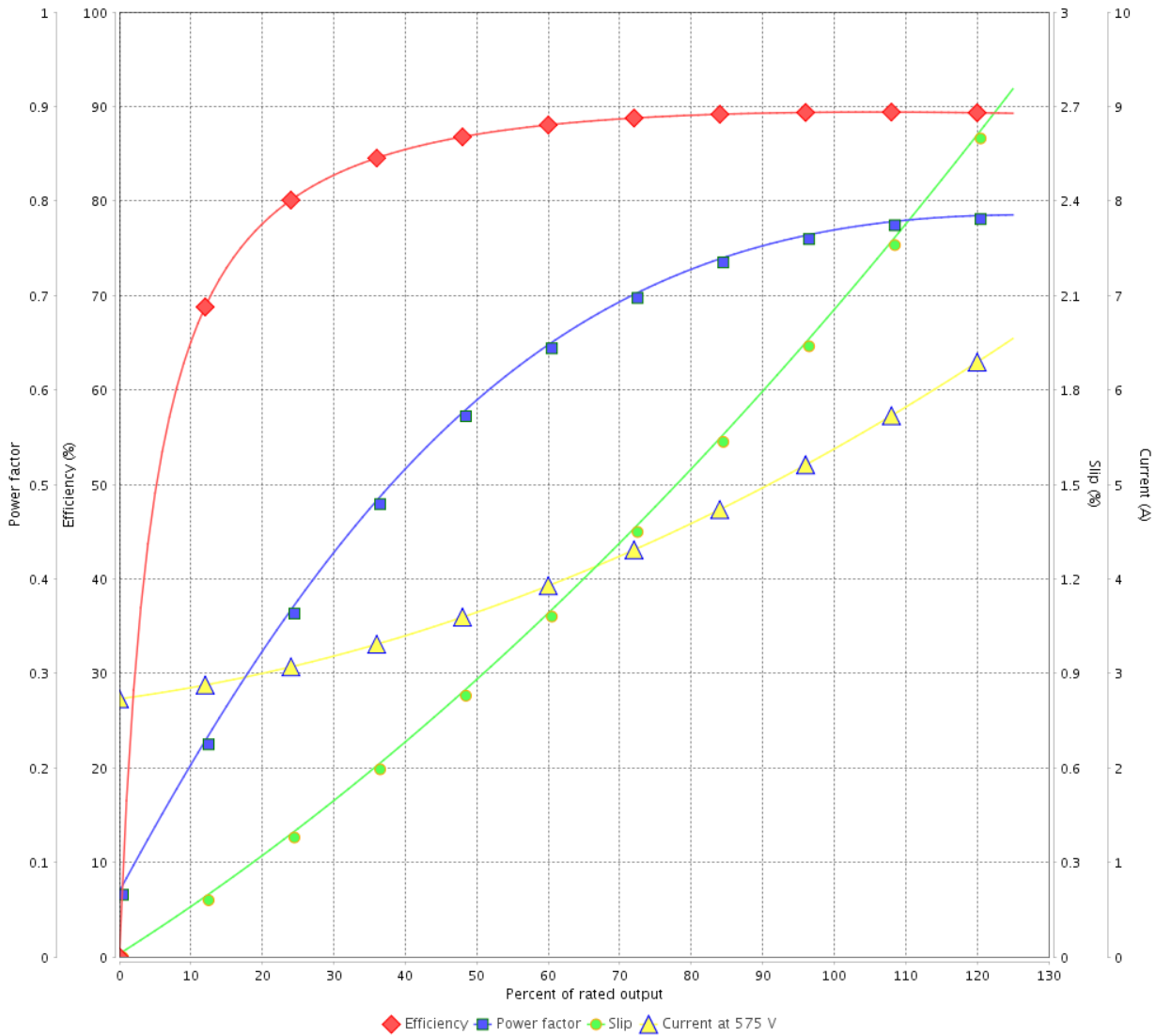
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Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12675417

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Performance : 575 V 60 Hz 6P

Rated current	: 5.39 A	Moment of inertia (J)	: 0.0531 kgm ²
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 3.09 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 1175 rpm	Design	: B

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