

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 12845469		
Frame	: 213/5TC	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 : 65.4 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0232 kgm ²		
Design	: B			
Output [HP]		7.5		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		6.94		
L. R. Amperes [A]		52.7		
LRC [A]		7.6x(Code H)		
No load current [A]		2.65		
Rated speed [RPM]		3530		
Slip [%]		1.94		
Rated torque [kgfm]		1.54		
Locked rotor torque [%]		260		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		27s (cold) 15s (hot)		
Noise level ²		70.0 dB(A)		
Efficiency (%)	25%	86.4		
	50%	87.5		
	75%	88.5		
	100%	89.5		
Power Factor	25%	0.49		
	50%	0.76		
	75%	0.85		
	100%	0.89		
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 : 52 kgf		
Lubrication interval	: - -	Max. compression : 118 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>		
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	13/05/2022		1 / 2	

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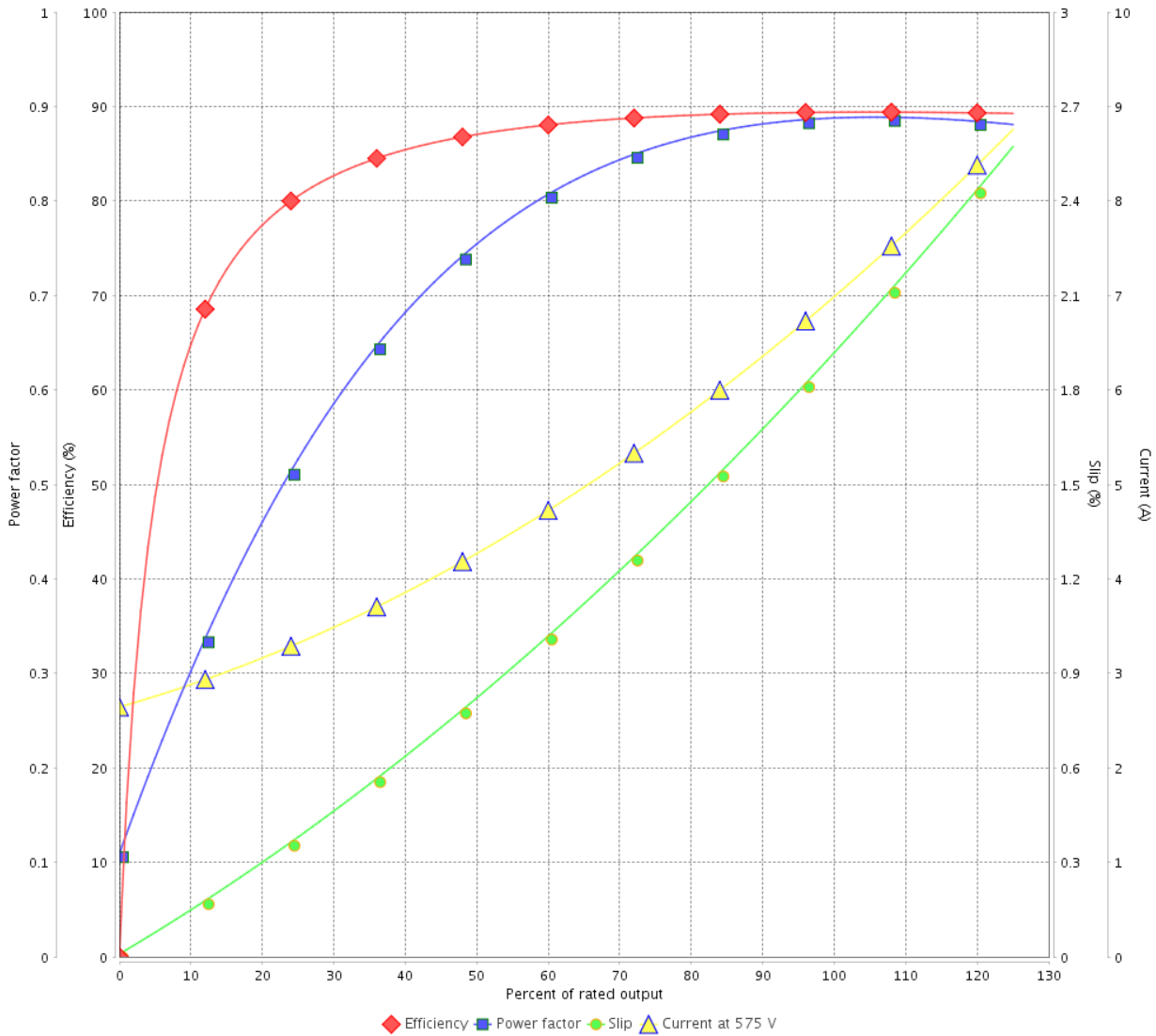
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Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12845469

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Performance : 575 V 60 Hz 2P

Rated current	: 6.94 A	Moment of inertia (J)	: 0.0232 kgm ²
LRC	: 7.6	Duty cycle	: Cont.(S1)
Rated torque	: 1.54 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3530 rpm	Design	: B

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