

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : Rolled Steel NEMA Premium Efficiency Three-Phase			Product code : 12845475			
Frame	: 213/5TC			Locked rotor time	: 28s (cold) 16s (hot)	
Output	: 10 HP (7.5 kW)			Temperature rise	: 80 K	
Frequency	: 60 Hz			Duty cycle	: Cont.(S1)	
Rated voltage	: 575 V			Ambient temperature	: -20°C to +40°C	
Poles	: 2			Altitude	: 1000 m.a.s.l.	
Rated current	: 9.49 A			Protection degree	: IP55	
	: 7.5x(Code H)			Cooling method	: IC411 - TEFC	
Rated speed	: 3530 rpm			Mounting	: F-1	
Rated torque	: 2.06 kgfm			Rotation ¹	: Both (CW and CCW)	
Insulation class	: F			Noise level ²	: 70.0 dB(A)	
Service factor	: 1.15			Starting method	: Direct On Line	
Moment of inertia (J)	: 0.0303 kgm ²			Approx. weight ³	: 63.8 kg	
Design	: B					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	89.5	90.2	90.2	Max. traction	: 82 kgf	
Power Factor	0.75	0.84	0.88	Max. compression	: 146 kgf	
Losses at normative operating points (speed;torque), in percentage of rated output power						
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
9.6	7.7	7.5	5.4	3.4	2.5	1.7
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6208 ZZ		6206 ZZ		
Sealing	:	V'Ring		Without Bearing Seal		
Lubrication interval	:	-		-		
Lubricant amount	:	-		-		
Lubricant type	:	Mobil Polyrex EM				
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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Checked by					Page	Revision
Date	19/04/2026				1 / 2	

LOAD PERFORMANCE CURVE

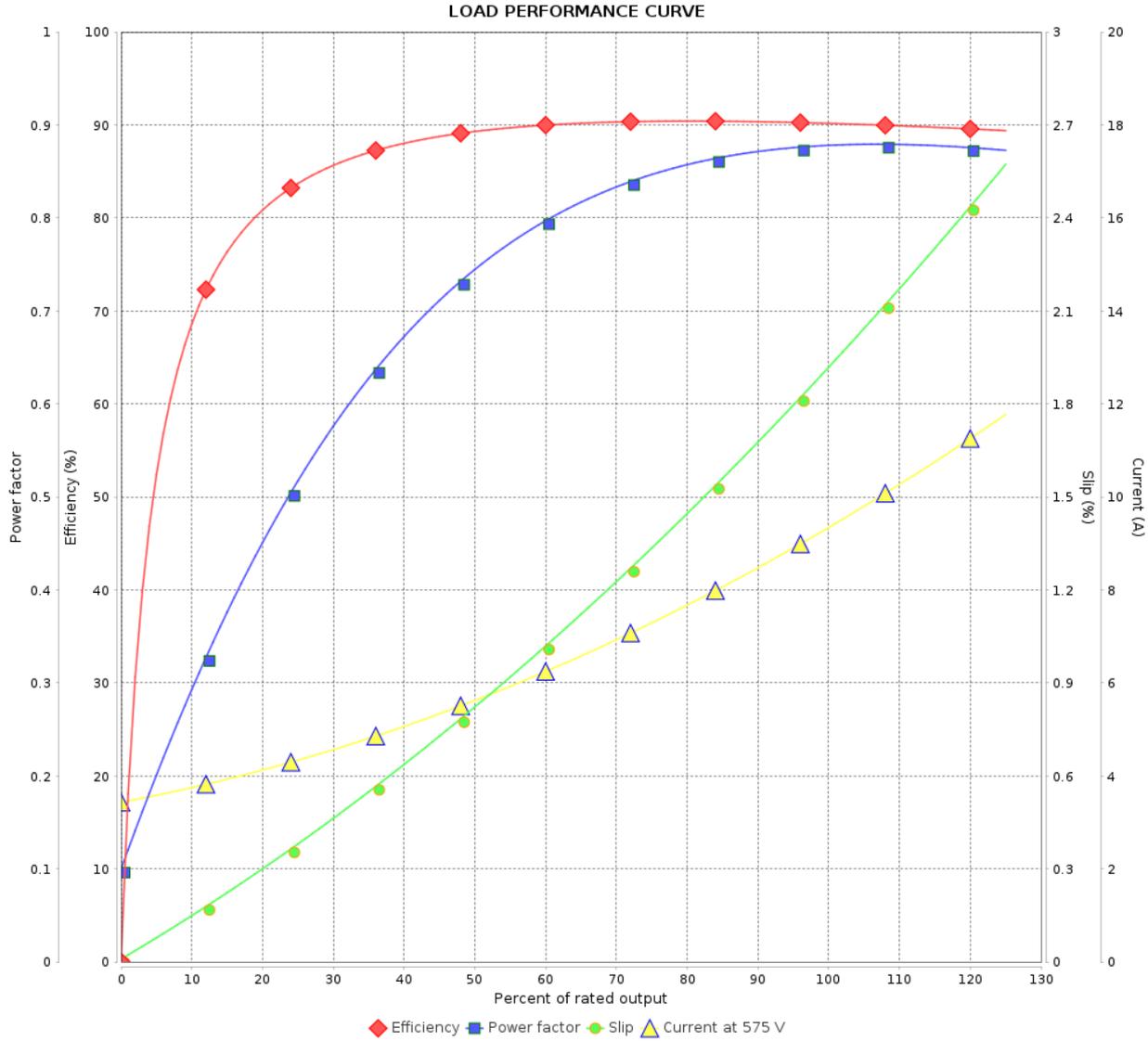
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