

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :								
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12706984				
Frame	:	254/6TC		Locked rotor time	:	16s (cold) 9s (hot)		
Output	:	25 HP (18.5 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	:	23.3 A		Cooling method	:	IC01 - ODP		
	:	6.3x(Code G)		Mounting	:	F-1		
Rated speed	:	3530 rpm		Rotation ¹	:	Both (CW and CCW)		
Rated torque	:	5.14 kgfm		Noise level ²	:	70.0 dB(A)		
Insulation class	:	F		Starting method	:	Direct On Line		
Service factor	:	1.15		Approx. weight ³	:	88.9 kg		
Moment of inertia (J)	:	0.0386 kgm ²						
Design	:	B						
Output	50%	75%	100%	Foundation loads				
Efficiency (%)	91.0	91.7	91.7	Max. traction : 190 kgf				
Power Factor	0.73	0.83	0.87	Max. compression : 279 kgf				
				Drive end		Non drive end		
Bearing type	:	6309 Z C3		6208 Z C3				
Sealing	:	Without Bearing Seal		Without Bearing Seal				
Lubrication interval	:	20000 h		20000 h				
Lubricant amount	:	13 g		8 g				
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	11/05/2026					1 / 2		

LOAD PERFORMANCE CURVE

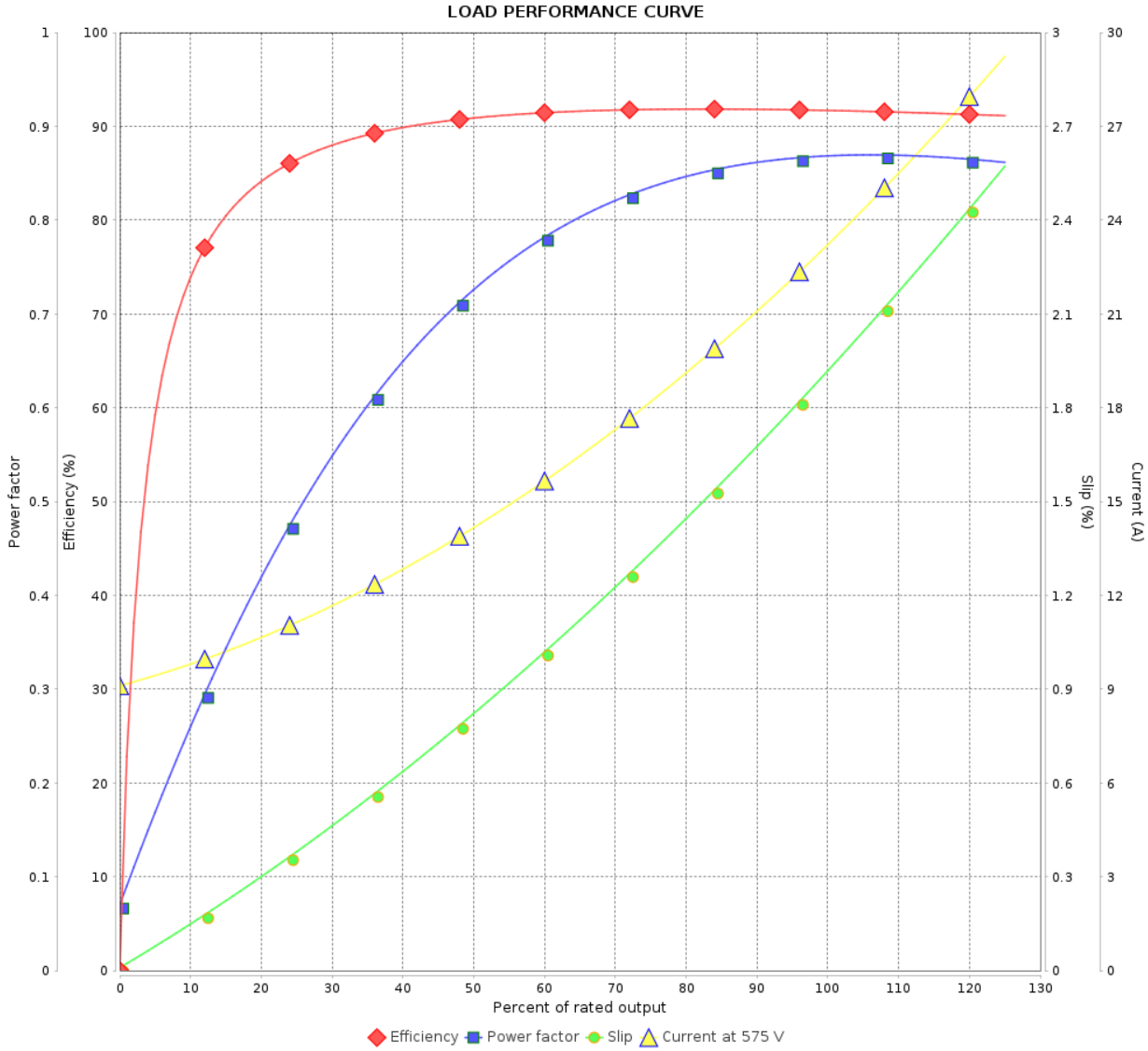
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