

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	
Bearing type	:	<u>Drive end</u> 6309 Z C3	<u>Non drive end</u> 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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LOAD PERFORMANCE CURVE

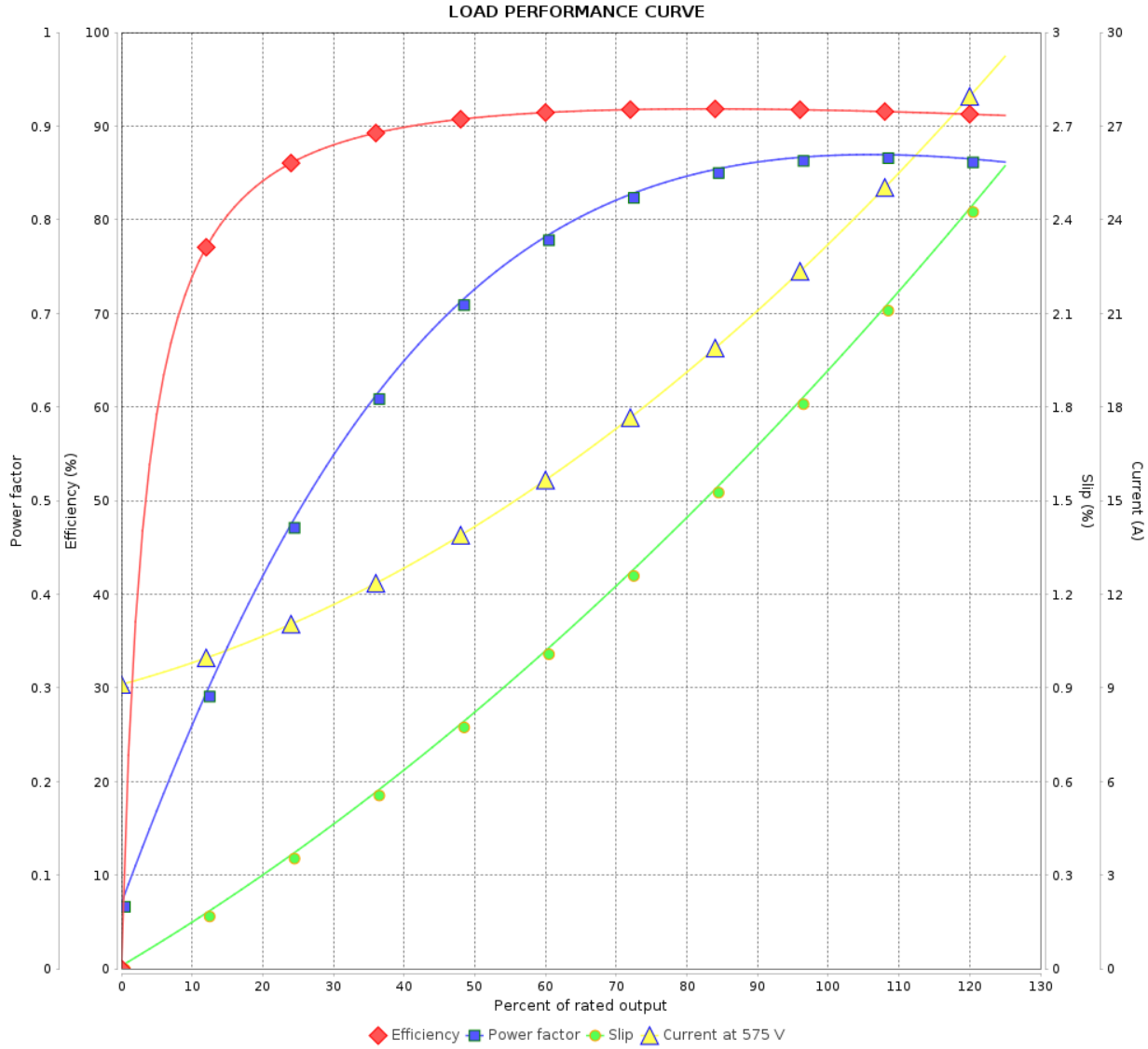
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