

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14448046			
Frame	: 404/5T	Locked rotor time	: 18s (cold) 10s (hot)		
Output	: 125 HP	Temperature rise	: 80 K		
Poles	: 4	Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C		
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 110 A	Protection degree	: IP23		
L. R. Amperes	: 762 A	Cooling method	: IC01 - ODP		
LRC	: 6.9x(Code G)	Mounting	: F-1		
No load current	: 37.6 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1780 rpm	Noise level ²	: 69.0 dB(A)		
Slip	: 1.11 %	Starting method	: Direct On Line		
Rated torque	: 51.0 kgfm	Approx. weight ³	: 465 kg		
Locked rotor torque	: 270 %				
Breakdown torque	: 260 %				
Insulation class	: F				
Service factor	: 1.25				
Moment of inertia (J)	: 1.08 kgm ²				
Design	: B				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	95.0	95.4	95.4	Max. traction : 1071 kgf	
Power Factor	0.75	0.83	0.86	Max. compression : 1536 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6316 C3	6212 Z C3		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	20000 h	20000 h		
Lubricant amount	:	34 g	13 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.		
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LOAD PERFORMANCE CURVE

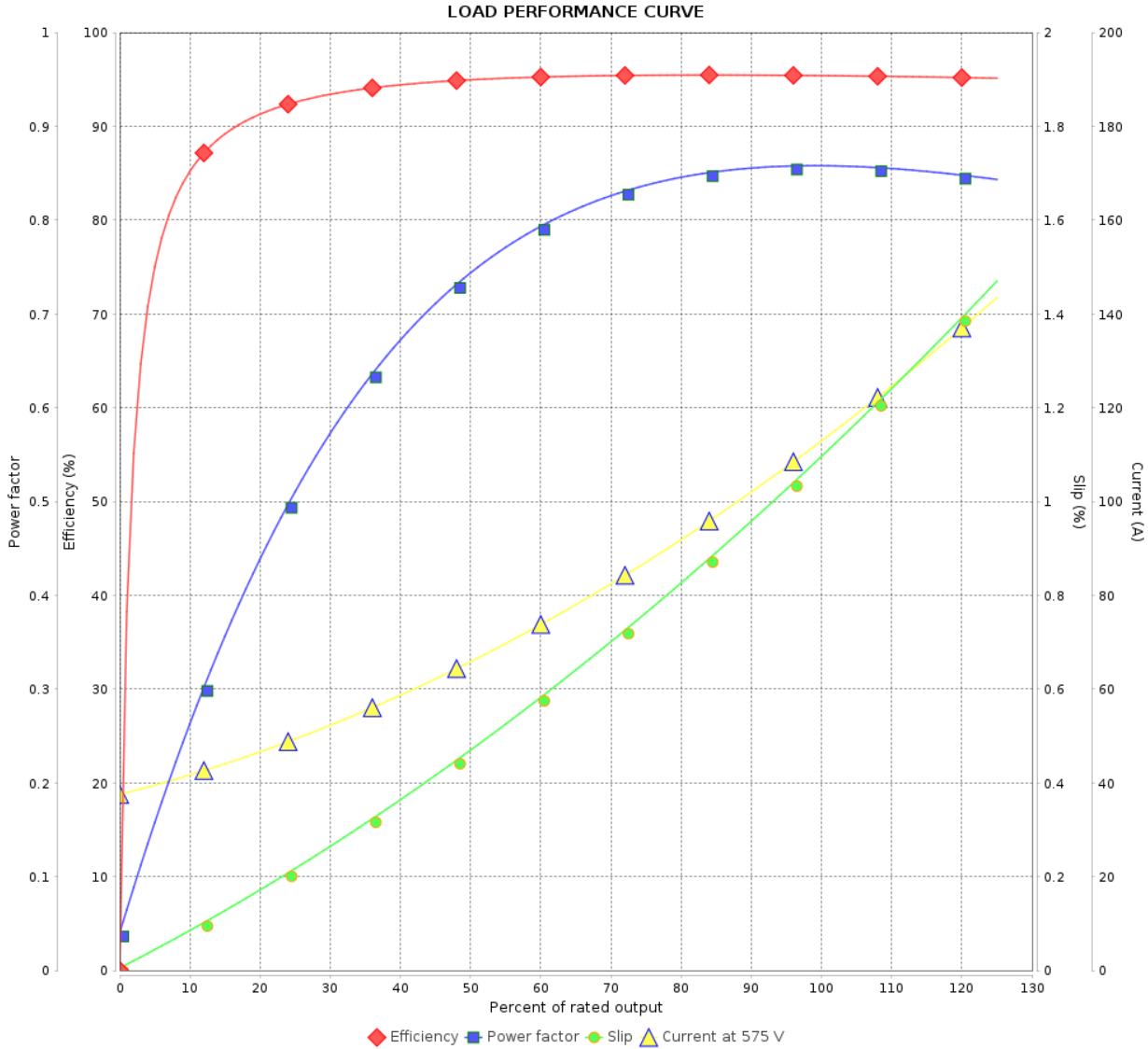
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14448046



Performance : 575 V 60 Hz 4P

Rated current	: 110 A	Moment of inertia (J)	: 1.08 kgm ²
LRC	: 6.9	Duty cycle	: Cont.(S1)
Rated torque	: 51.0 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.25
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 1780 rpm	Design	: B

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