

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: General NEMA Premium Efficiency Three-Phase		Product code : 10705359	
Frame	: 182T	Locked rotor time	: 21s (cold) 12s (hot)		
Output	: 3 HP (2.2 kW)	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	: 3.25 A	Protection degree	: IP21		
L. R. Amperes	: 26.3 A	Cooling method	: IC01 - ODP		
LRC	: 8.1x(Code K)	Mounting	: F-1		
No load current	: 1.90 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1760 rpm	Noise level ²	: 53.0 dB(A)		
Slip	: 2.22 %	Starting method	: Direct On Line		
Rated torque	: 1.24 kgfm	Approx. weight ³	: 26.8 kg		
Locked rotor torque	: 240 %				
Breakdown torque	: 300 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0107 kgm ²				
Design	: B				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	85.5	88.5	89.5	Max. traction : 64 kgf	
Power Factor	0.54	0.68	0.76	Max. compression : 91 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6206 ZZ	6205 ZZ		
Sealing	:	Without Bearing Seal	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.		
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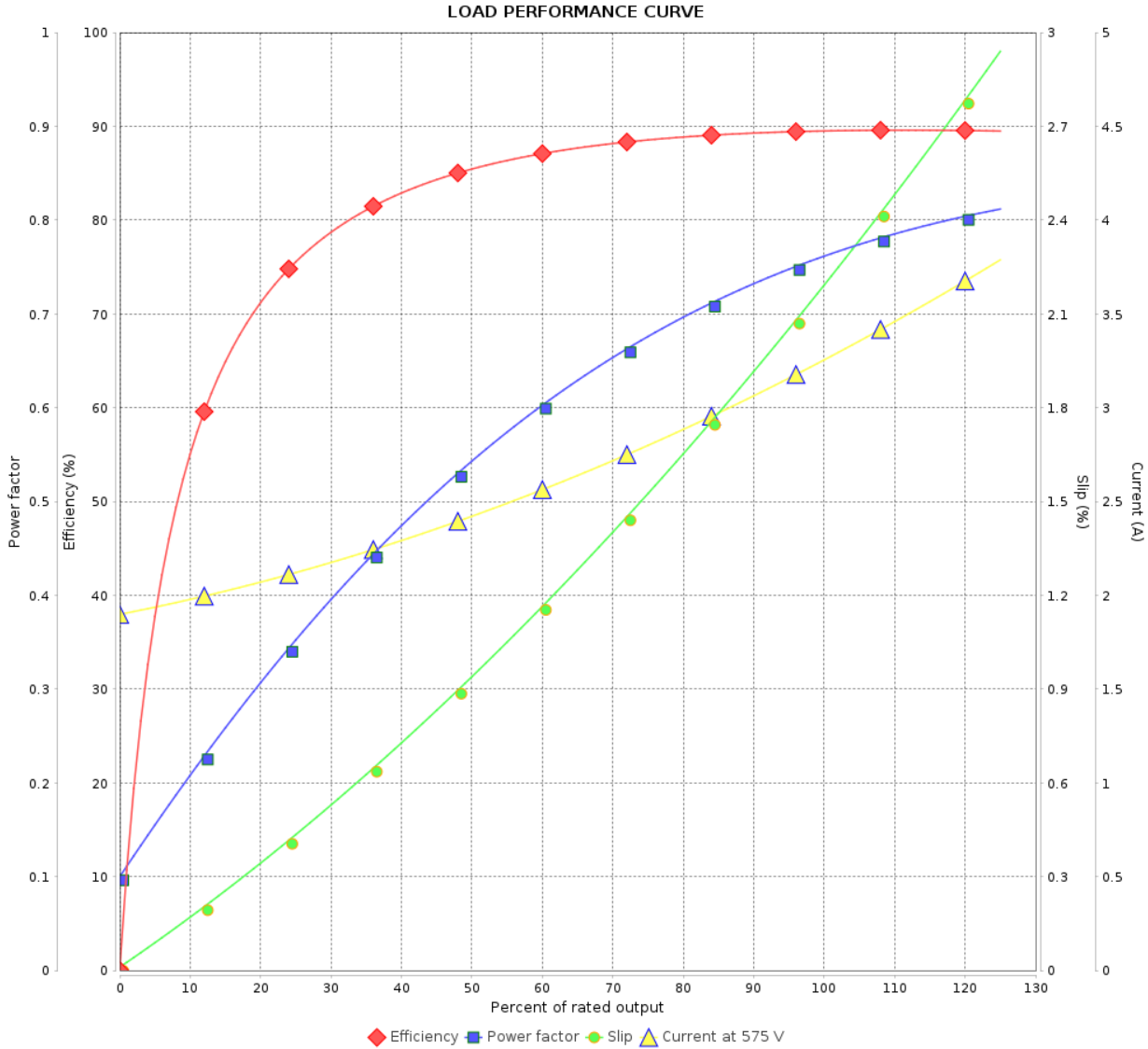
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : General NEMA Premium Efficiency Three-Phase Product code : 10705359



Performance : 575 V 60 Hz 4P

Rated current	: 3.25 A	Moment of inertia (J)	: 0.0107 kgm ²
LRC	: 8.1	Duty cycle	: Cont.(S1)
Rated torque	: 1.24 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: B

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