

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: General NEMA Premium Efficiency Three-Phase		Product code : 11995088			
Frame	:	182TC		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 <sup>1</sup>	:	Both (CW and CCW)	
Rated speed	:	1760 rpm		Noise level <sup>2</sup>	:	53.0 dB(A)	
Slip	:	2.22 %		Starting method	:	Direct On Line	
Rated torque	:	1.24 kgfm		Approx. weight <sup>3</sup>	:	28.0 kg	
Locked rotor torque	:	240 %					
Breakdown torque	:	300 %					
Insulation class	:	F					
Service factor	:	1.15					
Moment of inertia (J)	:	0.0107 kgm <sup>2</sup>					
Design	:	B					
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	85.5	88.5	89.5	Max. traction		: 63 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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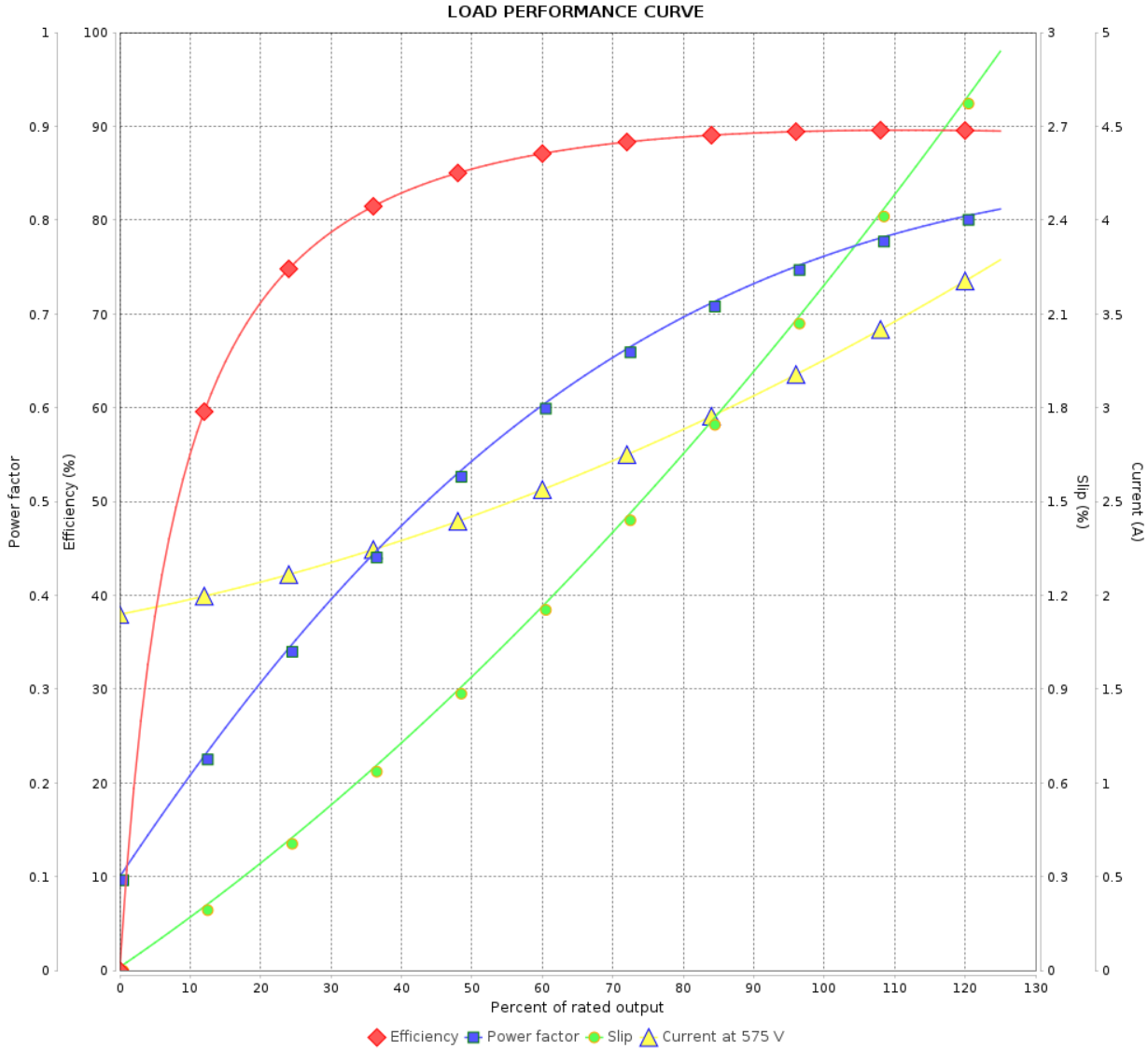
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General NEMA Premium Efficiency Three-Phase      Product code : 11995088



Performance : 575 V 60 Hz 4P

Rated current	: 3.25 A	Moment of inertia (J)	: 0.0107 kgm <sup>2</sup>
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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