

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: ODP NEMA Premium Efficiency Three-Phase		Product code : 10780673			
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	:	109 A		Protection degree	:	IP23	
L. R. Amperes	:	762 A		Cooling method	:	IC01 - ODP	
LRC	:	7.0x(Code G)		Mounting	:	F-1	
No load current	:	32.8 A		Rotation <sup>1</sup>	:	Both (CW and CCW)	
Rated speed	:	1780 rpm		Noise level <sup>2</sup>	:	69.0 dB(A)	
Slip	:	1.11 %		Starting method	:	Direct On Line	
Rated torque	:	51.0 kgfm		Approx. weight <sup>3</sup>	:	488 kg	
Locked rotor torque	:	240 %					
Breakdown torque	:	250 %					
Insulation class	:	F					
Service factor	:	1.15					
Moment of inertia (J)	:	1.12 kgm <sup>2</sup>					
Design	:	B					
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	95.0	95.4	95.4	Max. traction		: 1010 kgf	
Power Factor	0.76	0.85	0.87	Max. compression		: 1497 kgf	
				<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	NU-316 C3		6314 C3			
Sealing	:	Without Bearing Seal		Without Bearing Seal			
Lubrication interval	:	20000 h		20000 h			
Lubricant amount	:	34 g		27 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	
Performed by							
Checked by						Page	Revision
Date	05/02/2024					1 / 2	

# LOAD PERFORMANCE CURVE

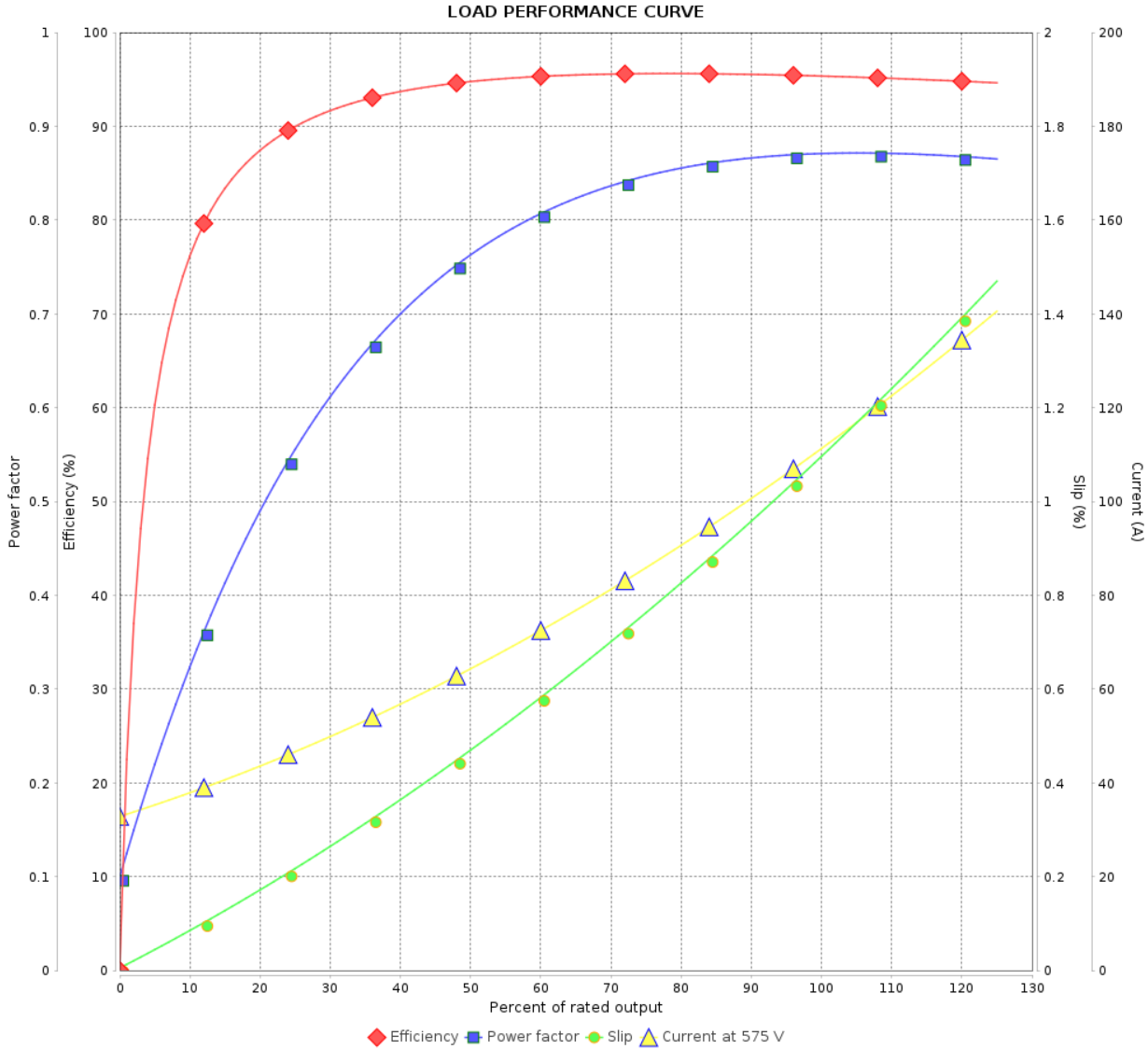
Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 10780673



Performance : 575 V 60 Hz 4P

Rated current : 109 A	Moment of inertia (J) : 1.12 kgm <sup>2</sup>
LRC : 7.0	Duty cycle : Cont.(S1)
Rated torque : 51.0 kgfm	Insulation class : F
Locked rotor torque : 240 %	Service factor : 1.15
Breakdown torque : 250 %	Temperature rise : 80 K
Rated speed : 1780 rpm	Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
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Date				