

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :								
Product line		: ODP NEMA Premium Efficiency Three-Phase		Product code : 11983384				
Frame	:	: 284TC		Locked rotor time	:	: 27s (cold) 15s (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	:	: 4		Altitude	:	: 1000 m.a.s.l.		
Rated current	:	: 23.9 A		Protection degree	:	: IP23		
	:	: 6.7x(Code H)		Cooling method	:	: IC01 - ODP		
Rated speed	:	: 1770 rpm		Mounting	:	: F-1		
Rated torque	:	: 10.3 kgfm		Rotation <sup>1</sup>	:	: Both (CW and CCW)		
Insulation class	:	: F		Noise level <sup>2</sup>	:	: 62.0 dB(A)		
Service factor	:	: 1.15		Starting method	:	: Direct On Line		
Moment of inertia (J)	:	: 0.1435 kgm <sup>2</sup>		Approx. weight <sup>3</sup>	:	: 165 kg		
Design	:	: B						
Output	50%	75%	100%	Foundation loads				
Efficiency (%)	92.4	93.0	93.6	Max. traction : 328 kgf				
Power Factor	0.67	0.78	0.83	Max. compression : 493 kgf				
				Drive end		Non drive end		
Bearing type	:	6311 Z C3		6211 Z C3				
Sealing	:	Without Bearing Seal		Without Bearing Seal				
Lubrication interval	:	20000 h		20000 h				
Lubricant amount	:	18 g		11 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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Checked by						Page	Revision	
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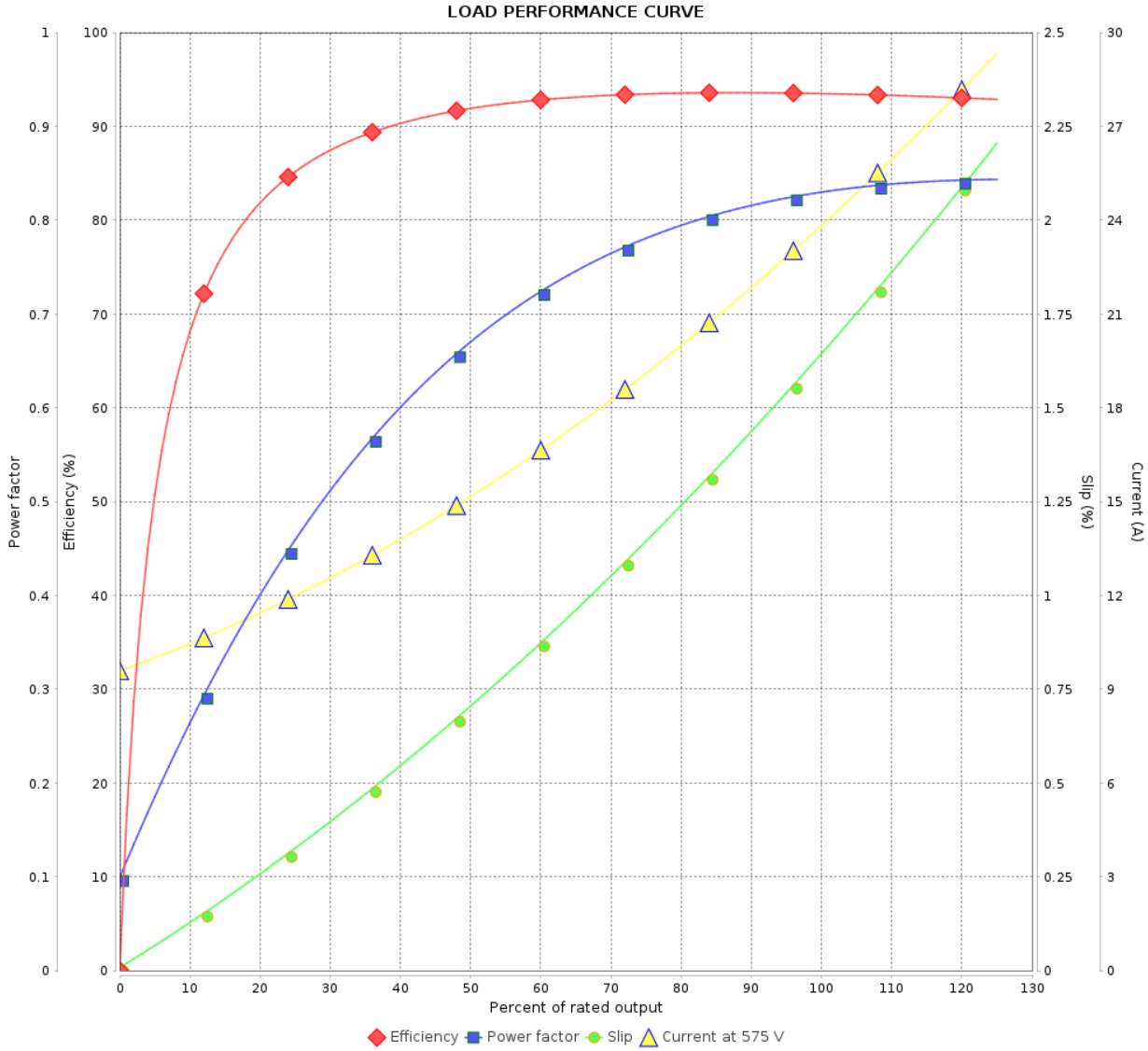
# LOAD PERFORMANCE CURVE

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