

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : ODP NEMA Premium Efficiency Three-Phase      Product code : 10479180

Frame	: 286T	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 30 HP (22 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	: 27.9 A	Protection degree	: IP23
L. R. Amperes	: 184 A	Cooling method	: IC01 - ODP
LRC	: 6.6x(Code G)	Mounting	: F-1
No load current	: 9.68 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1770 rpm	Noise level <sup>2</sup>	: 63.0 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 12.3 kgfm	Approx. weight <sup>3</sup>	: 186 kg
Locked rotor torque	: 240 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.2063 kgm <sup>2</sup>		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	93.4	93.6	94.1	94.1	Max. traction	: 382 kgf
Power Factor	0.46	0.70	0.80	0.84	Max. compression	: 568 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.

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# LOAD PERFORMANCE CURVE

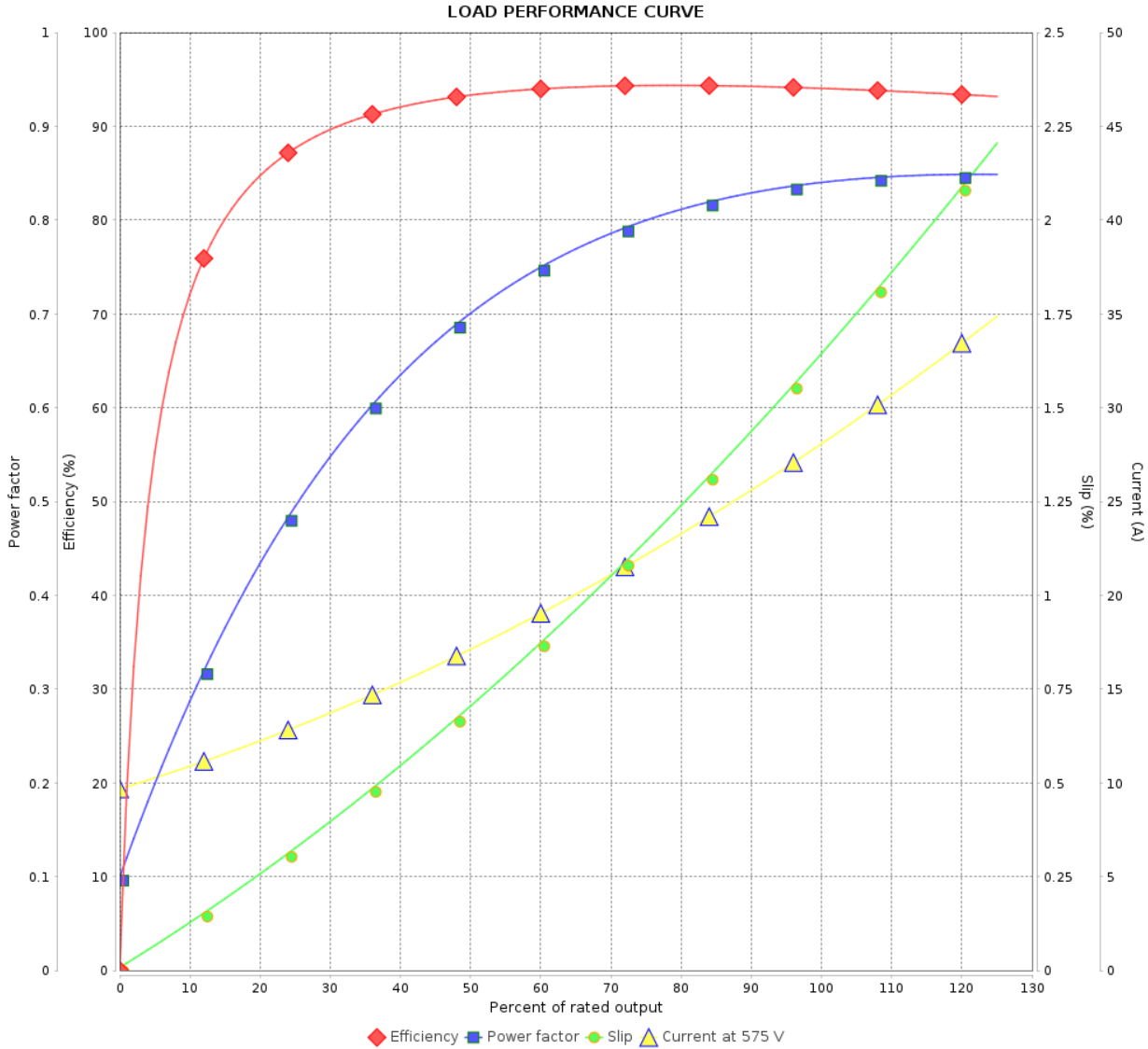
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 10479180



Performance : 575 V 60 Hz 4P

Rated current	: 27.9 A	Moment of inertia (J)	: 0.2063 kgm <sup>2</sup>
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 12.3 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

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