

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: ODP NEMA Premium Efficiency Three-Phase		Product code : 11003745	
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>	: 163 kg	
Design	:	B			
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	92.4	93.0	93.6	Max. traction : 329 kgf	
Power Factor	0.67	0.78	0.83	Max. compression : 492 kgf	
Bearing type	:	<u>Drive end</u> 6311 Z C3	<u>Non drive end</u> 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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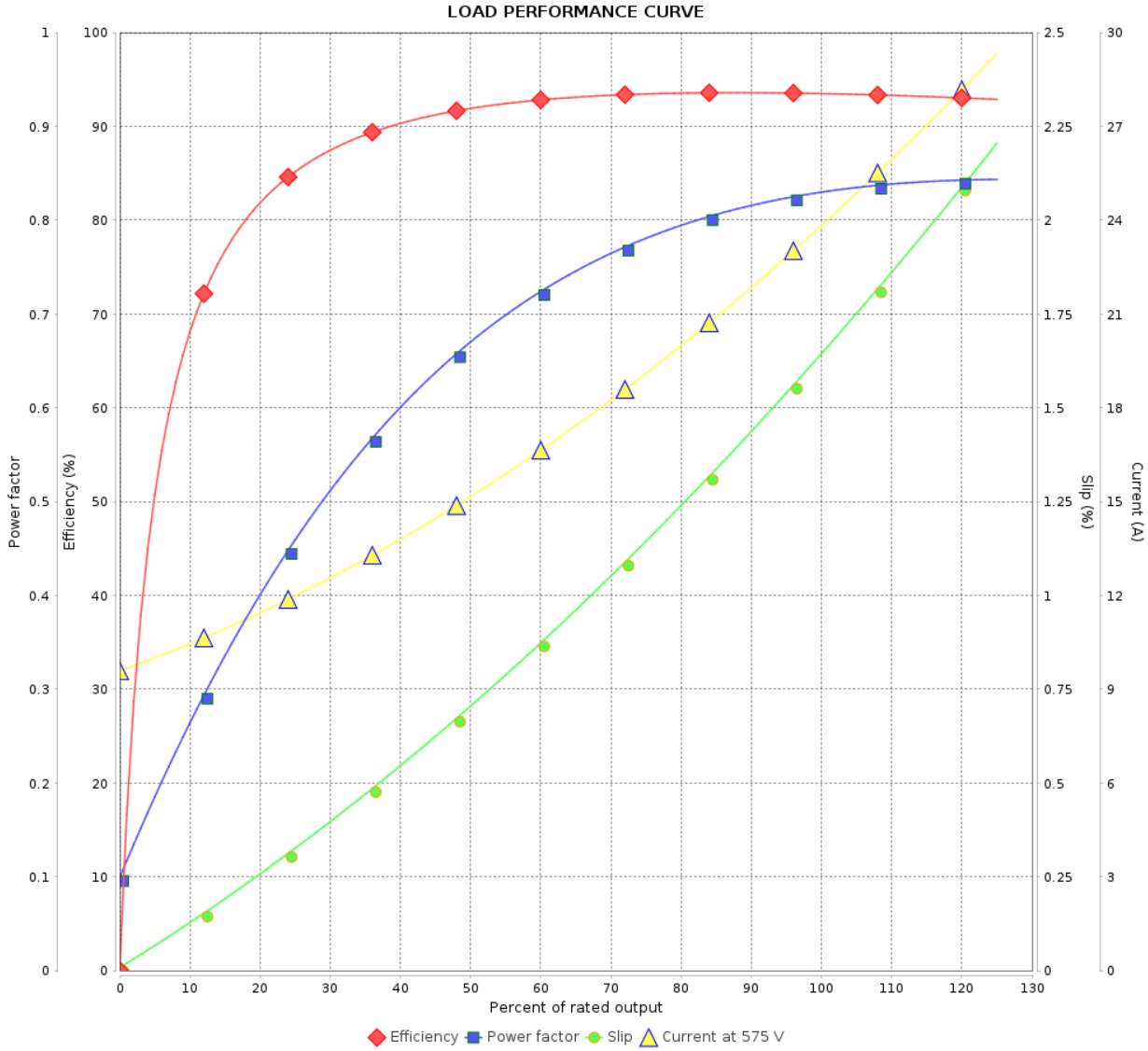
# LOAD PERFORMANCE CURVE

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