

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: ODP High Efficiency Three-Phase		Product code : 11996630
Frame	: 254TC	Locked rotor time	: 18s (cold) 10s (hot)	
Output	: 20 HP (15 kW)	Temperature rise	: 105 K	
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)	
Rated voltage	: 575 V	Ambient temperature	: -20°C to +40°C	
Poles	: 2	Altitude	: 1000 m.a.s.l.	
Rated current	: 19.4 A	Protection degree	: IP23	
	: 5.8x(Code G)	Cooling method	: IC01 - ODP	
Rated speed	: 3525 rpm	Mounting	: F-1	
Rated torque	: 4.12 kgfm	Rotation <sup>1</sup>	: Both (CW and CCW)	
Insulation class	: F	Noise level <sup>2</sup>	: 66.0 dB(A)	
Service factor	: 1.15	Starting method	: Direct On Line	
Moment of inertia (J)	: 0.0338 kgm <sup>2</sup>	Approx. weight <sup>3</sup>	: 81.0 kg	
Design	: B			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	89.5	90.2	90.2	Max. traction : 115 kgf
Power Factor	0.74	0.83	0.86	Max. compression : 208 kgf
Bearing type	:	<u>Drive end</u> 6309 Z C3	<u>Non drive end</u> 6209 Z C3	
Sealing	:	Without Bearing Seal	Without Bearing Seal	
Lubrication interval	:	20000 h	20000 h	
Lubricant amount	:	13 g	9 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
Performed by			Page	Revision
Checked by				
Date	25/06/2026			
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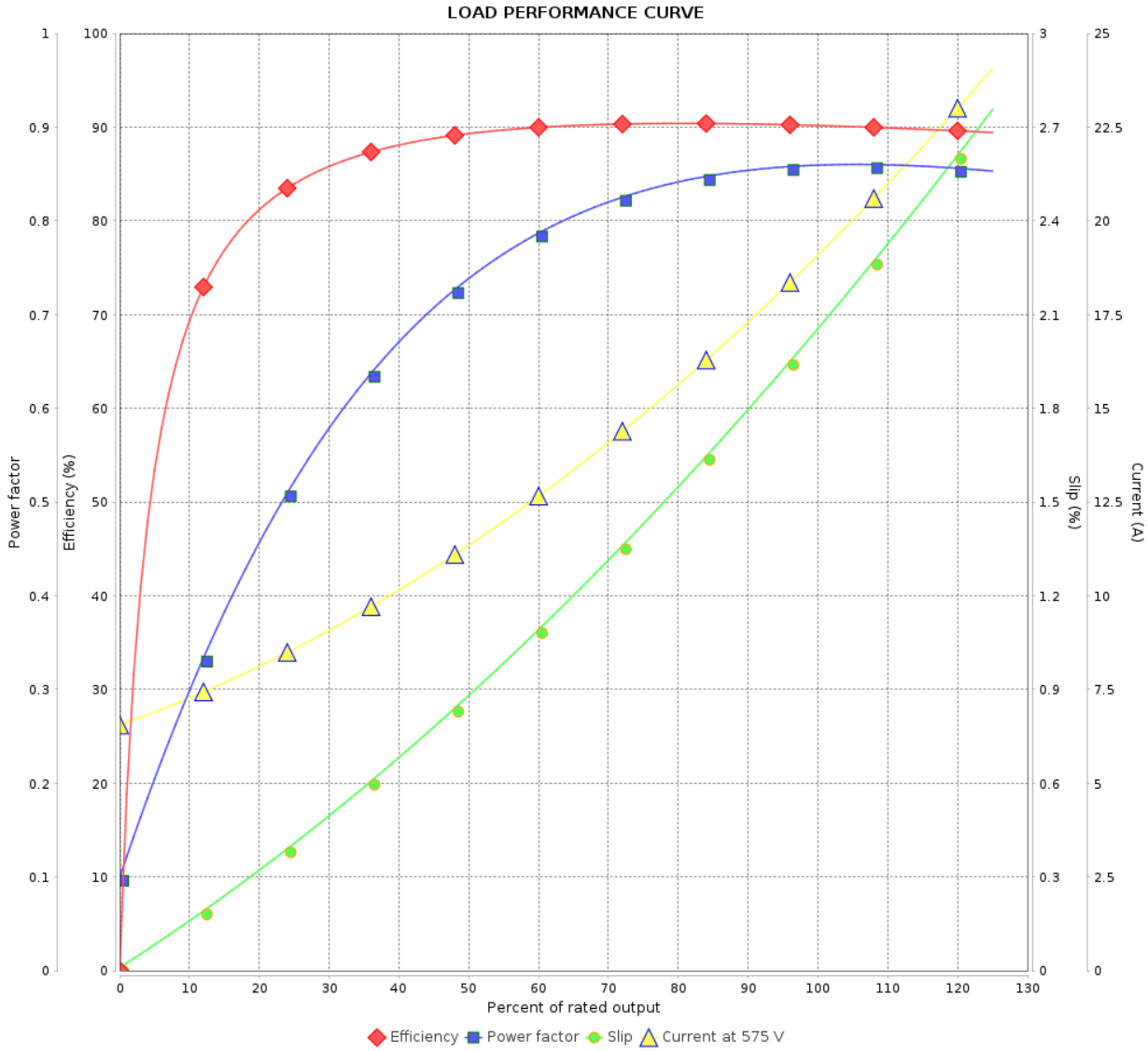
# LOAD PERFORMANCE CURVE

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