

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 ¹	: Both (CW and CCW)		
Insulation class	: F	Noise level ²	: 66.0 dB(A)		
Service factor	: 1.15	Starting method	: Direct On Line		
Moment of inertia (J)	: 0.0338 kgm ²	Approx. weight ³	: 92.8 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	Date
Performed by					
Checked by				Page	Revision
Date	11/05/2026			1 / 2	

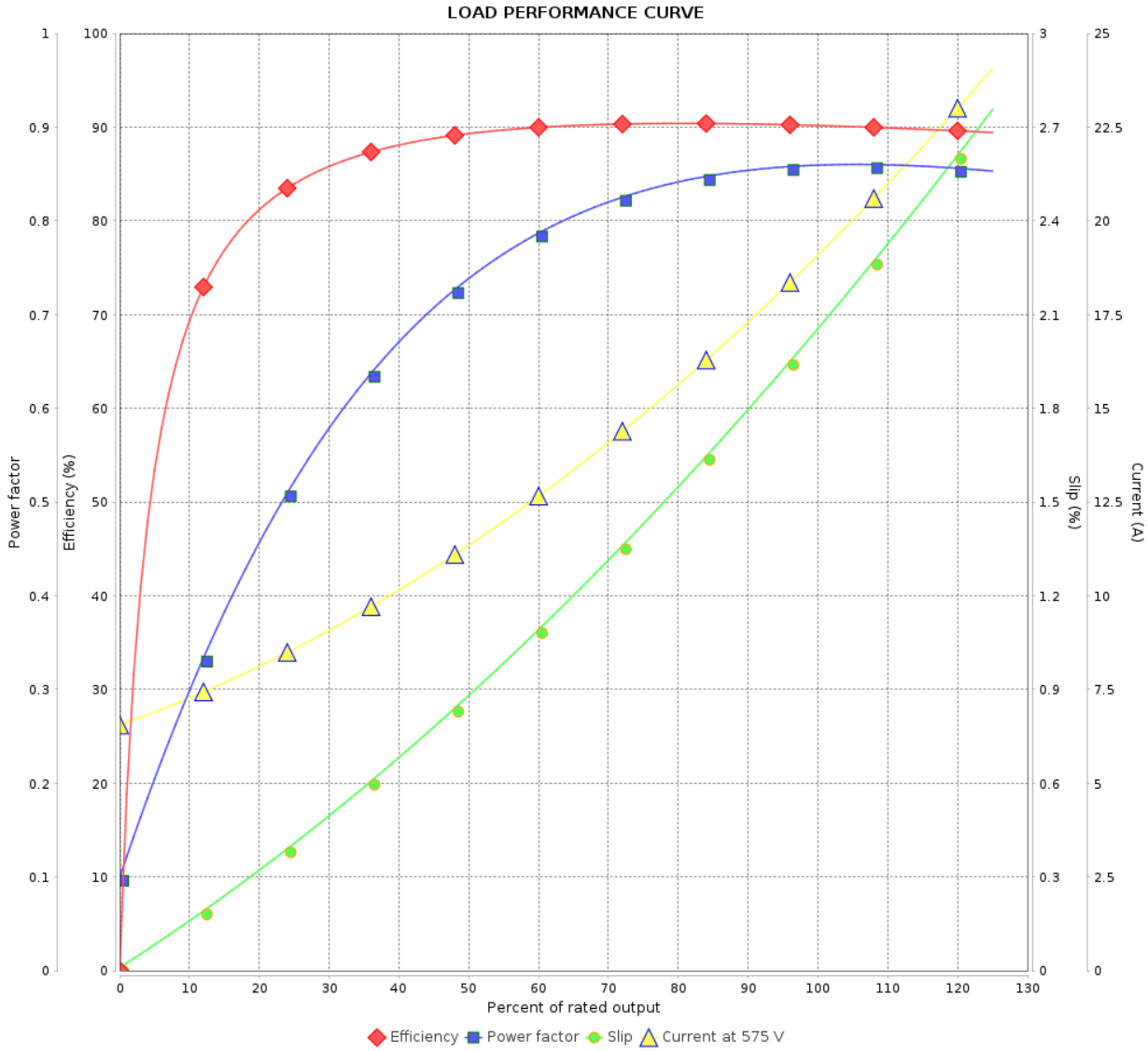
LOAD PERFORMANCE CURVE

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Performed by			Page 2 / 2	Revision
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