

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: ODP High Efficiency Three-Phase		Product code : 11997249		
Frame	: 256TC	Locked rotor time	: 18s (cold) 10s (hot)			
Output	: 25 HP (18.5 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	: 23.4 A	Protection degree	: IP23			
	: 6.0x(Code G)	Cooling method	: IC01 - ODP			
Rated speed	: 3530 rpm	Mounting	: F-1			
Rated torque	: 5.14 kgfm	Rotation ¹	: Both (CW and CCW)			
Insulation class	: F	Noise level ²	: 67.0 dB(A)			
Service factor	: 1.15	Starting method	: Direct On Line			
Moment of inertia (J)	: 0.0412 kgm ²	Approx. weight ³	: 103 kg			
Design	: B					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	90.2	91.0	91.0	Max. traction : 150 kgf		
Power Factor	0.76	0.84	0.87	Max. compression : 254 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						
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>			
Rev.	Changes Summary			Performed	Checked	Date
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Checked by					Page	Revision
Date	08/05/2026				1 / 2	

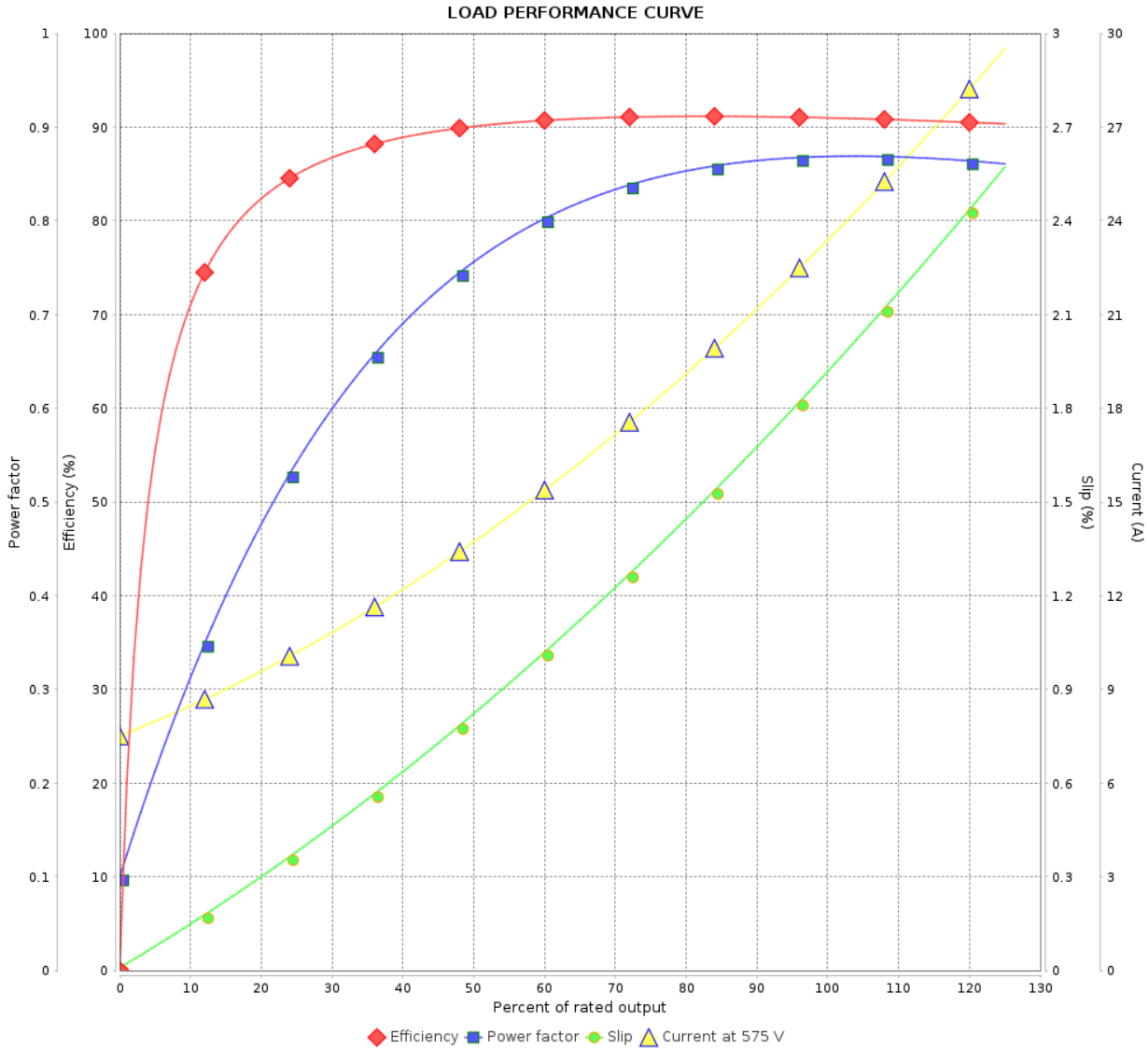
LOAD PERFORMANCE CURVE

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