

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: ODP High Efficiency Three-Phase		Product code : 11996557	
Frame	: 254TC	Locked rotor time	: 30s (cold) 17s (hot)		
Output	: 15 HP (11 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	: 15.0 A	Protection degree	: IP23		
L. R. Amperes	: 89.8 A	Cooling method	: IC01 - ODP		
LRC	: 6.0x(Code G)	Mounting	: F-1		
No load current	: 7.20 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1765 rpm	Noise level ²	: 59.0 dB(A)		
Slip	: 1.94 %	Starting method	: Direct On Line		
Rated torque	: 6.17 kgfm	Approx. weight ³	: 95.8 kg		
Locked rotor torque	: 229 %				
Breakdown torque	: 250 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0652 kgm ²				
Design	: B				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	89.5	91.0	91.0	Max. traction : 194 kgf	
Power Factor	0.63	0.75	0.81	Max. compression : 290 kgf	
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6309 Z C3		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.		
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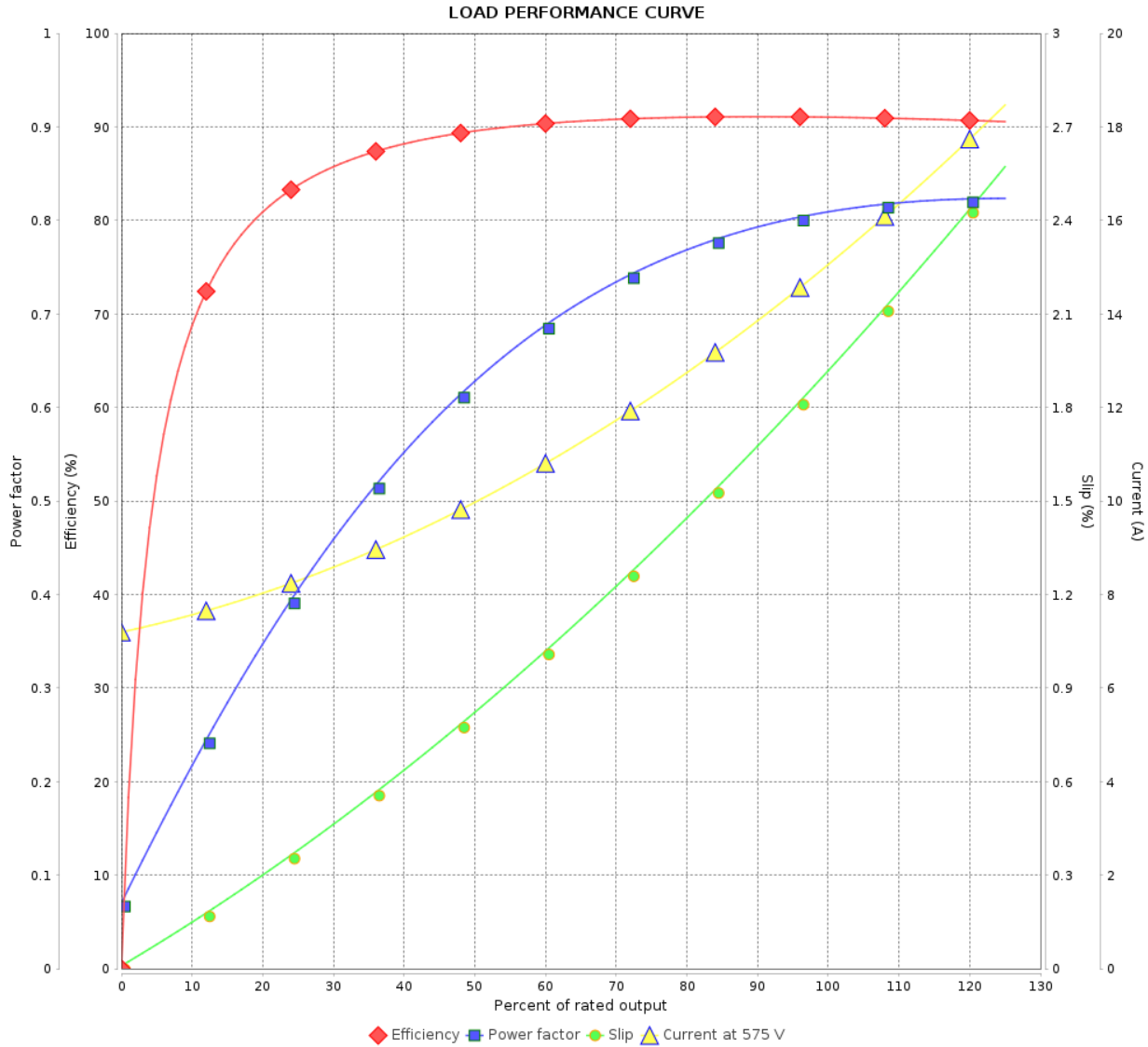
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 11996557



Performance : 575 V 60 Hz 4P

Rated current : 15.0 A
 LRC : 6.0
 Rated torque : 6.17 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 250 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0652 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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