

# 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		
Poles	: 2	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	: 19.4 A	Protection degree	: IP23		
L. R. Amperes	: 113 A	Cooling method	: IC01 - ODP		
LRC	: 5.8x(Code G)	Mounting	: F-1		
No load current	: 6.56 A	Rotation <sup>1</sup>	: Both (CW and CCW)		
Rated speed	: 3525 rpm	Noise level <sup>2</sup>	: 66.0 dB(A)		
Slip	: 2.08 %	Starting method	: Direct On Line		
Rated torque	: 4.12 kgfm	Approx. weight <sup>3</sup>	: 92.8 kg		
Locked rotor torque	: 160 %				
Breakdown torque	: 250 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0338 kgm <sup>2</sup>				
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.		
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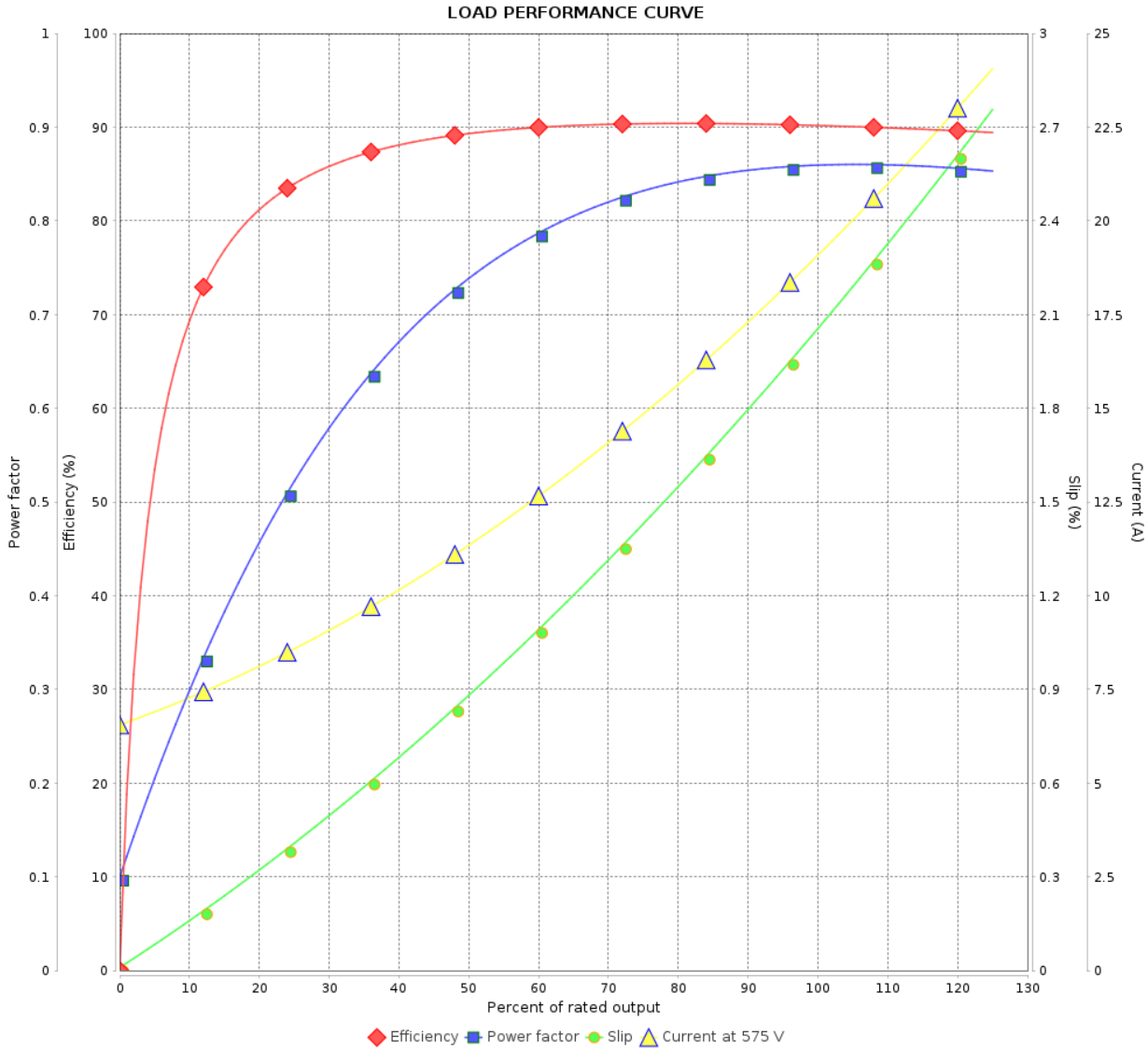
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase Product code : 11996630



Performance : 575 V 60 Hz 2P

Rated current : 19.4 A  
 LRC : 5.8  
 Rated torque : 4.12 kgfm  
 Locked rotor torque : 160 %  
 Breakdown torque : 250 %  
 Rated speed : 3525 rpm

Moment of inertia (J) : 0.0338 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 105 K  
 Design : B

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Date	22/02/2025			