

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: ODP NEMA Premium Efficiency Three-Phase		Product code :	10793797	
Frame	:	256T		Locked rotor time	: 21s (cold) 12s (hot)	
Output	:	20 HP (15 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	:	19.8 A		Protection degree	: IP23	
L. R. Amperes	:	124 A		Cooling method	: IC01 - ODP	
LRC	:	6.3x(Code G)		Mounting	: F-1	
No load current	:	9.60 A		Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	:	1770 rpm		Noise level <sup>2</sup>	: 60.0 dB(A)	
Slip	:	1.67 %		Starting method	: Direct On Line	
Rated torque	:	8.20 kgfm		Approx. weight <sup>3</sup>	: 128 kg	
Locked rotor torque	:	260 %				
Breakdown torque	:	280 %				
Insulation class	:	F				
Service factor	:	1.15				
Moment of inertia (J)	:	0.1104 kgm <sup>2</sup>				
Design	:	B				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	91.5	91.7	93.0	93.0	Max. traction : 297 kgf	
Power Factor	0.37	0.63	0.72	0.82	Max. compression : 425 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

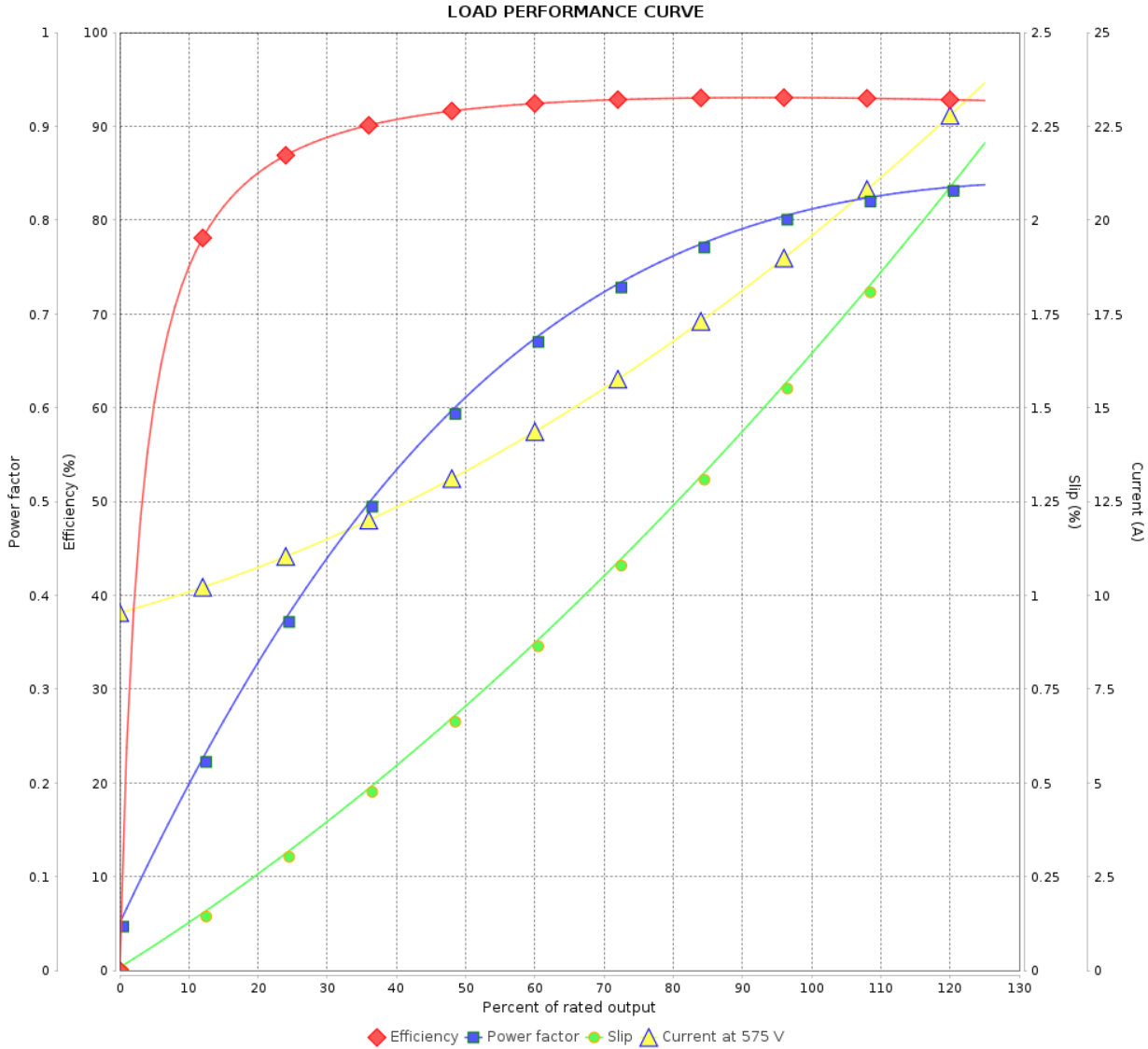
Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 10793797



Performance : 575 V 60 Hz 4P

Rated current : 19.8 A  
 LRC : 6.3  
 Rated torque : 8.20 kgfm  
 Locked rotor torque : 260 %  
 Breakdown torque : 280 %  
 Rated speed : 1770 rpm

Moment of inertia (J) : 0.1104 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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