

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase			Product code :		13194658	
Frame	:	447/9T	Locked rotor time	:	25s (cold) 14s (hot)	
Output	:	350 HP (260 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	:	319 A	Protection degree	:	IP55	
L. R. Amperes	:	2554 A	Cooling method	:	IC411 - TEFC	
LRC	:	8.0x(Code J)	Mounting	:	F-1	
No load current	:	108 A	Rotation <sup>1</sup>	:	Both (CW and CCW)	
Rated speed	:	1785 rpm	Noise level <sup>2</sup>	:	75.0 dB(A)	
Slip	:	0.83 %	Starting method	:	Direct On Line	
Rated torque	:	142 kgfm	Approx. weight <sup>3</sup>	:	1376 kg	
Locked rotor torque	:	280 %				
Breakdown torque	:	280 %				
Insulation class	:	F				
Service factor	:	1.15				
Moment of inertia (J)	:	4.98 kgm <sup>2</sup>				
Design	:	A				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	95.8	96.2	96.2	Max. traction	:	2797 kgf
Power Factor	0.73	0.82	0.85	Max. compression	:	4173 kgf
Losses at normative operating points (speed;torque), in percentage of rated output power						
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
4.2	3.4	3.0	2.2	1.5	1.1	0.7
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6322 C3		6319 C3		
Sealing	:	WSeal		WSeal		
Lubrication interval	:	6000 h		8000 h		
Lubricant amount	:	60 g		45 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
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# LOAD PERFORMANCE CURVE

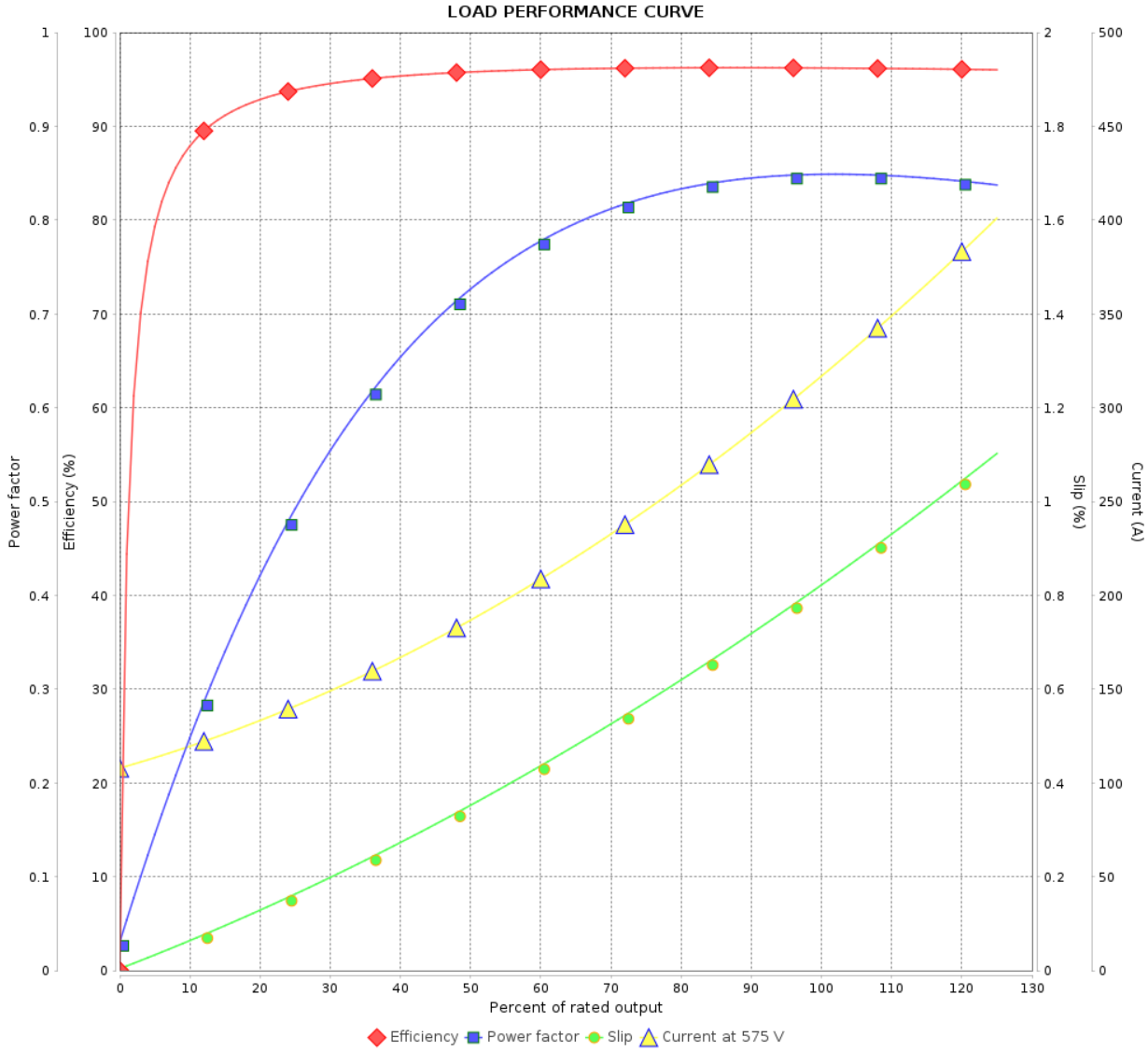
Three Phase Induction Motor - Squirrel Cage



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

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13194658



Performance : 575 V 60 Hz 4P

Rated current : 319 A  
 LRC : 8.0  
 Rated torque : 142 kgfm  
 Locked rotor torque : 280 %  
 Breakdown torque : 280 %  
 Rated speed : 1785 rpm

Moment of inertia (J) : 4.98 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : A

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Performed by			Page 2 / 2	Revision
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Date	13/01/2024			