

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W40 NEMA Premium Efficiency Three-Phase		Product code : 14541551				
Frame : 447/9T Output : 200 HP (150 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 575 V Rated current : 193 A L. R. Amperes : 1118 A LRC : 5.8x(Code F) No load current : 76.0 A Rated speed : 1185 rpm Slip : 1.25 % Rated torque : 122 kgfm Locked rotor torque : 200 % Breakdown torque : 220 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 4.14 kgm <sup>2</sup> Design : B	Locked rotor time : 32s (cold) 18s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 79.0 dB(A) Starting method : VFD Approx. weight <sup>3</sup> : 912 kg					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.0	95.4	95.4	Max. traction : 1901 kgf	
Power Factor	0.00	0.69	0.78	0.82	Max. compression : 2813 kgf	
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6319 C3		6314 C3		
Sealing	:	Without Bearing Seal		Without Bearing Seal		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	45 g		27 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
Performed by						
Checked by					Page	Revision
Date	15/01/2024				1 / 3	

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### Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	15/01/2024		2 / 3	

# LOAD PERFORMANCE CURVE

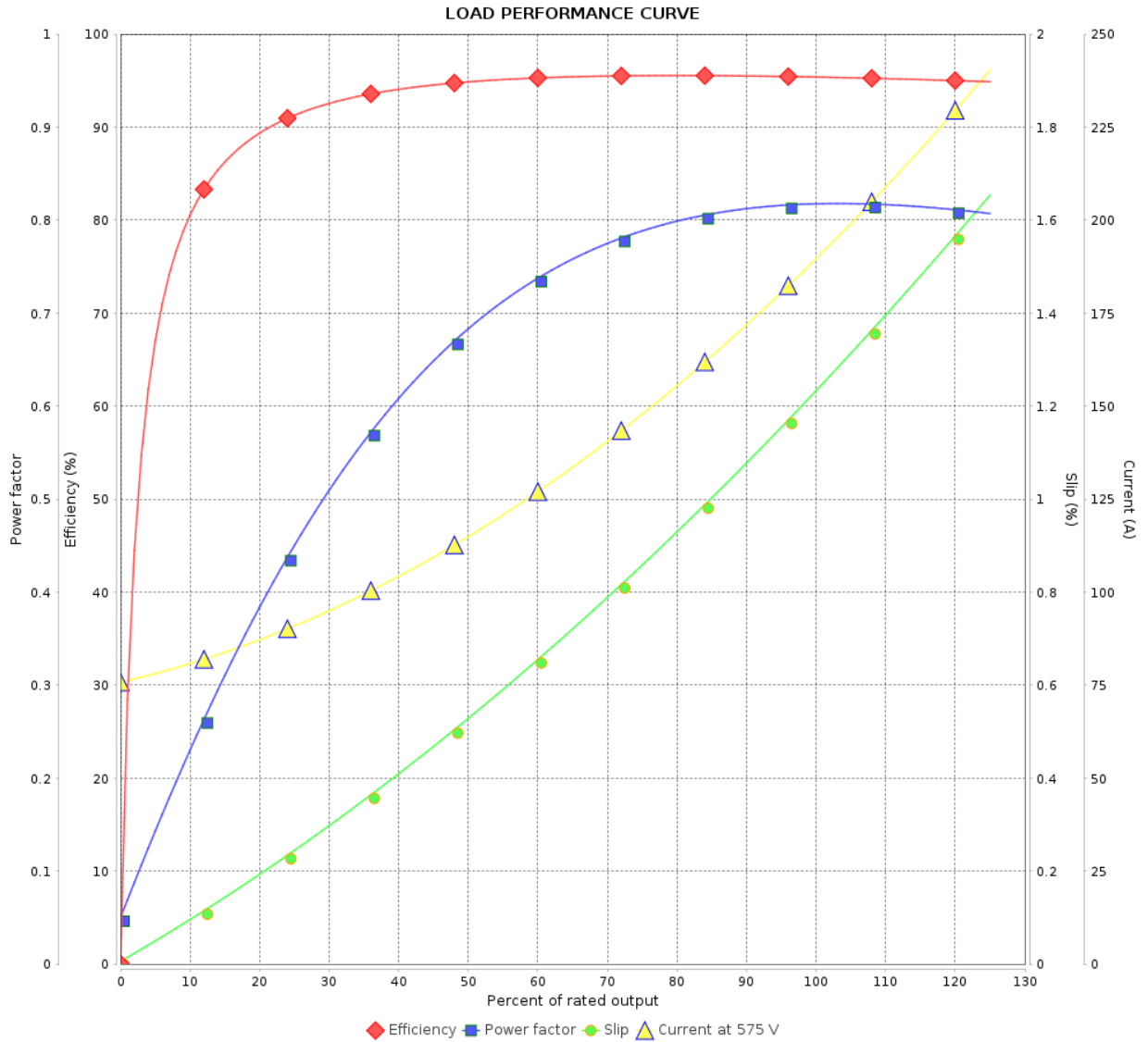
## Three Phase Induction Motor - Squirrel Cage



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

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14541551



Performance : 575 V 60 Hz 6P

Rated current : 193 A  
 LRC : 5.8  
 Rated torque : 122 kgfm  
 Locked rotor torque : 200 %  
 Breakdown torque : 220 %  
 Rated speed : 1185 rpm

Moment of inertia (J) : 4.14 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date				
		Page	Revision	
		3 / 3		