

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase		Product code : 11754456				
Frame : L447/9T Output : 400 HP (300 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 440 V Rated current : 481 A L. R. Amperes : 3848 A LRC : 8.0x(Code J) No load current : 188 A Rated speed : 1790 rpm Slip : 0.56 % Rated torque : 162 kgfm Locked rotor torque : 290 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 6.40 kgm ² Design : A	Locked rotor time : 39s (cold) 22s (hot) Temperature rise : 75 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +45°C Altitude : 1000 m.a.s.l. Protection degree : IP56 Cooling method : IC411 - TEFC Mounting : F-3 Rotation ¹ : Both (CW and CCW) Noise level ² : 79.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 1540 kg					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.2	96.0	96.2	Max. traction : 3202 kgf	
Power Factor	0.00	0.70	0.81	0.85	Max. compression : 4742 kgf	
			<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6322 C3	6319 C3			
Sealing	:	W3 Seal labyrinth	W3 Seal labyrinth			
Lubrication interval	:	5000 h	7000 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.			
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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	PT100 - 2 wires	1 x Phase	-

Space heater information

Voltage: 200 - 240 V

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LOAD PERFORMANCE CURVE

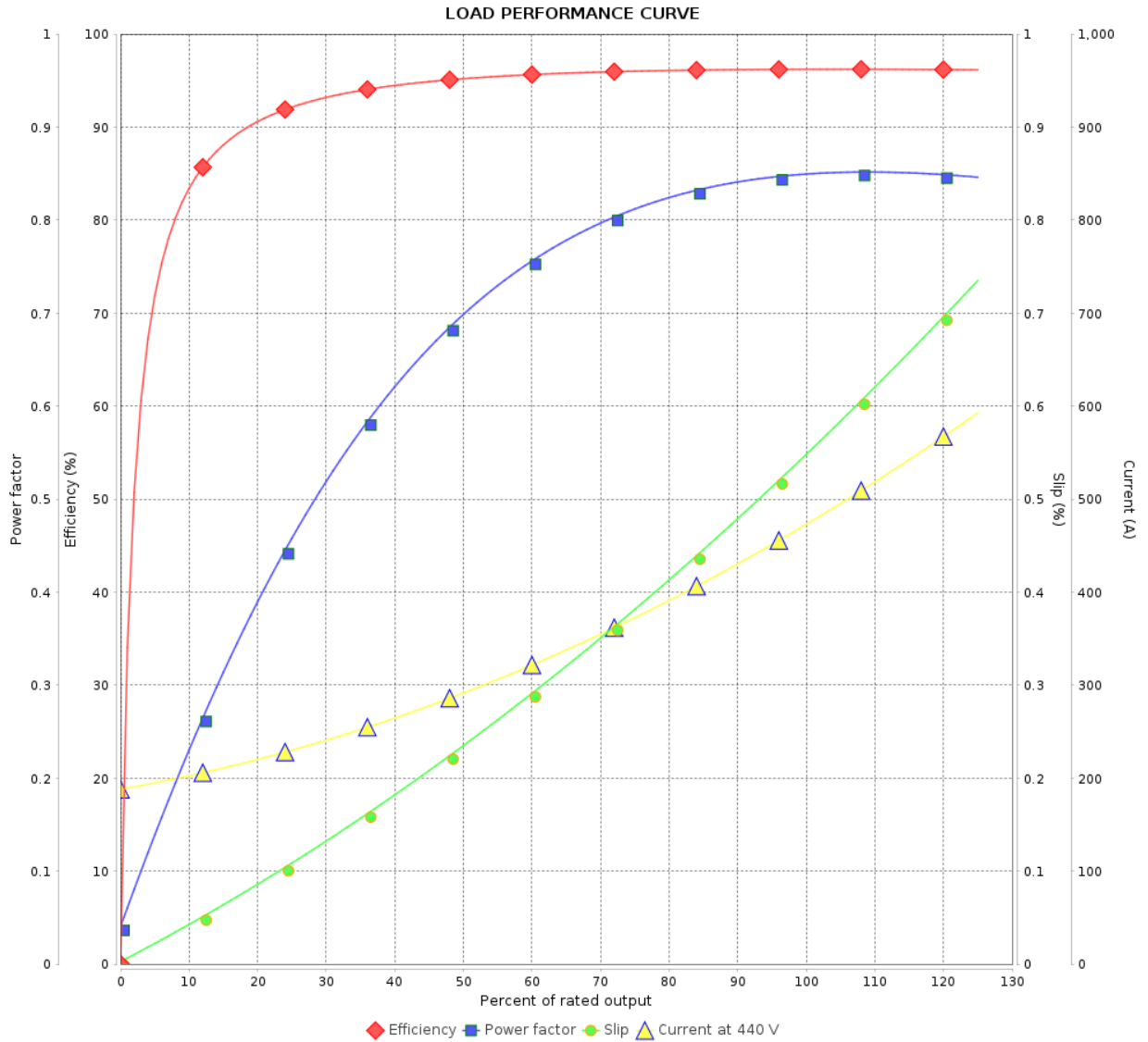
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Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11754456



Performance : 440 V 60 Hz 4P

Rated current : 481 A
 LRC : 8.0
 Rated torque : 162 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 280 %
 Rated speed : 1790 rpm

Moment of inertia (J) : 6.40 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 75 K
 Design : A

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