

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Thermal protection

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

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TORQUE AND CURRENT VS SPEED CURVE



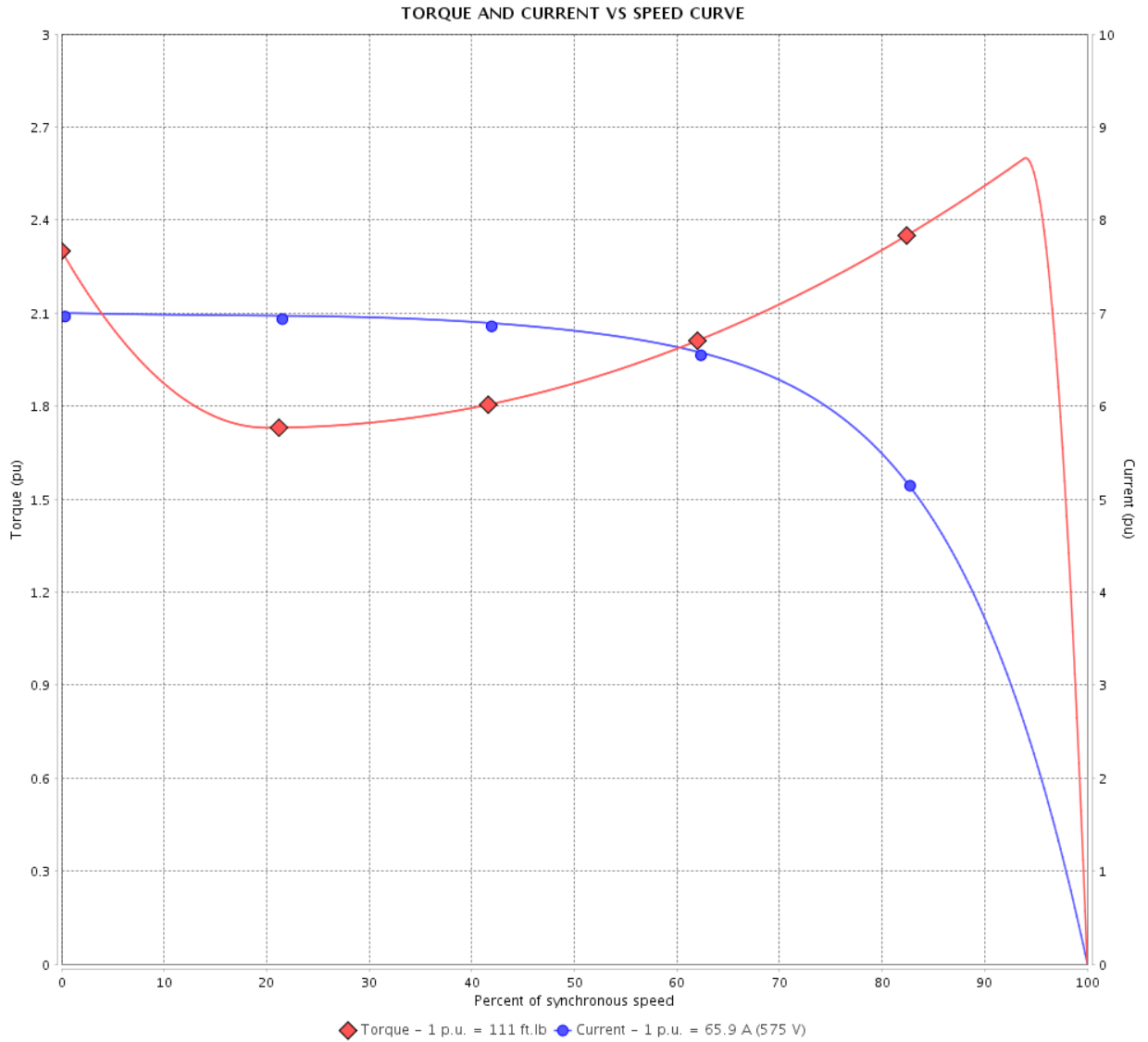
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11360958

Catalog # : 07536XT3H365TS



Performance : 575 V 60 Hz 2P

Rated current	: 65.9 A	Moment of inertia (J)	: 9.96 sq.ft.lb
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 111 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 3560 rpm	Design	: B

Locked rotor time : 32s (cold) 18s (hot)

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

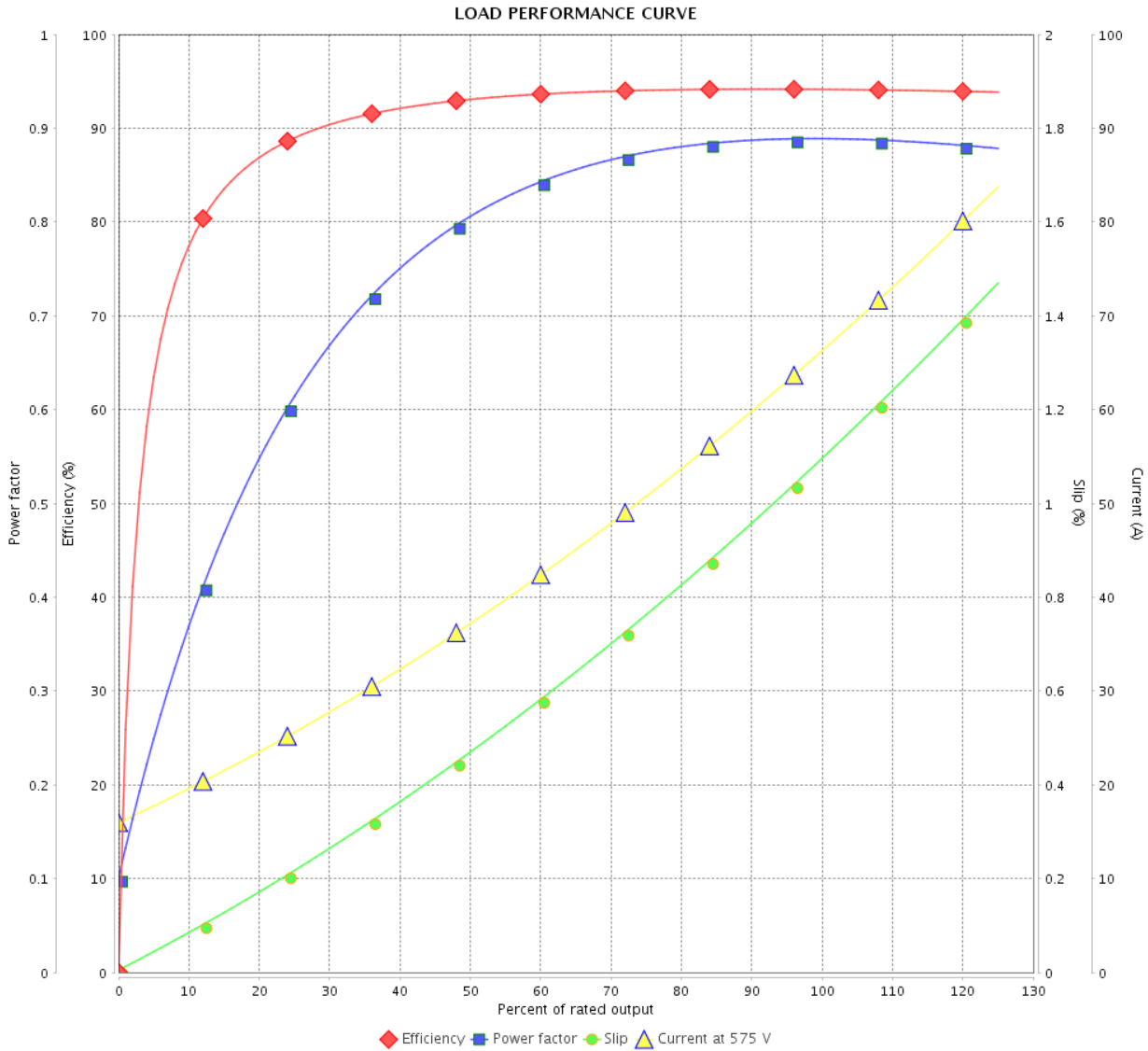


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THERMAL LIMIT CURVE



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Heating constant

Cooling constant

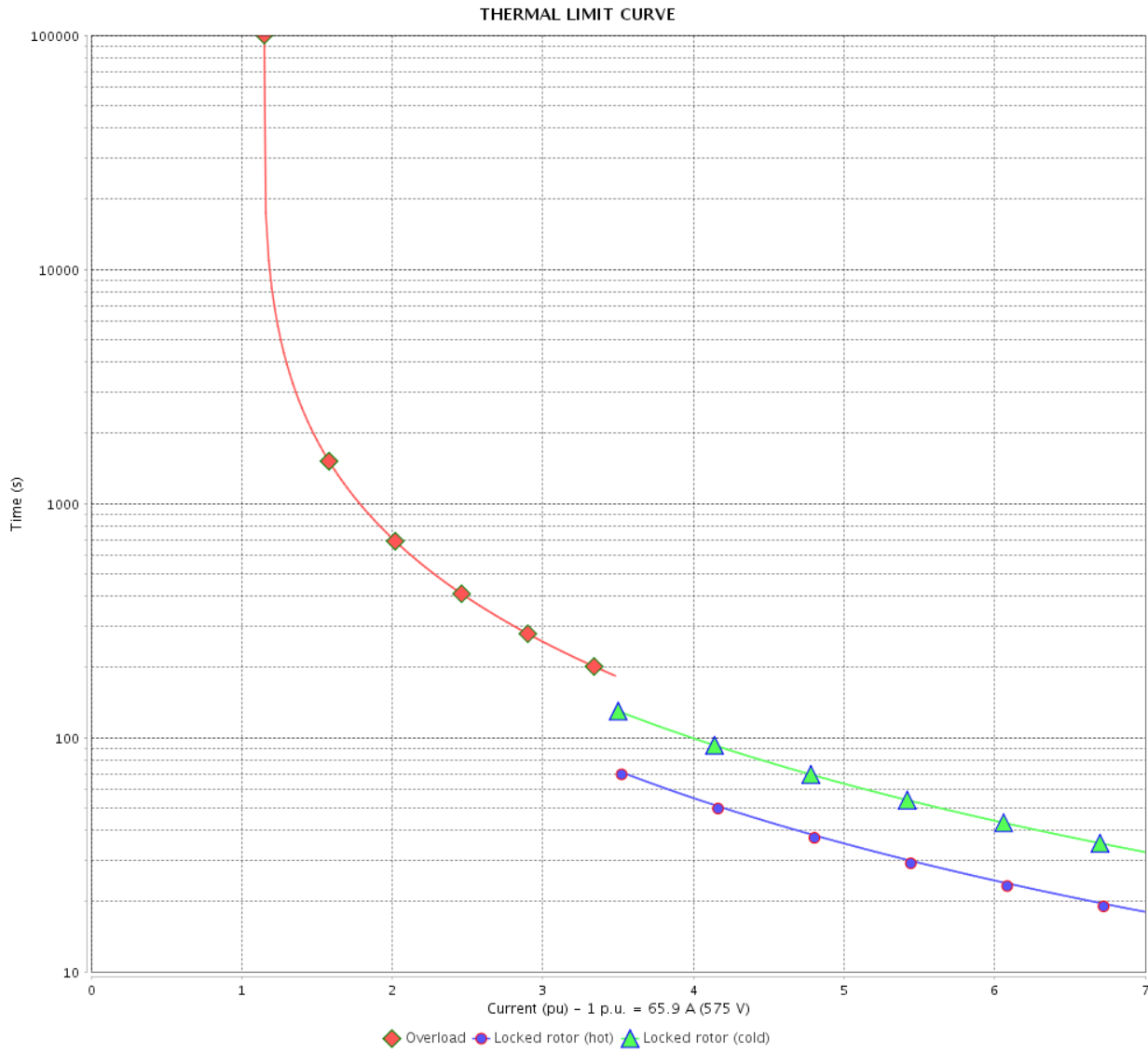
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

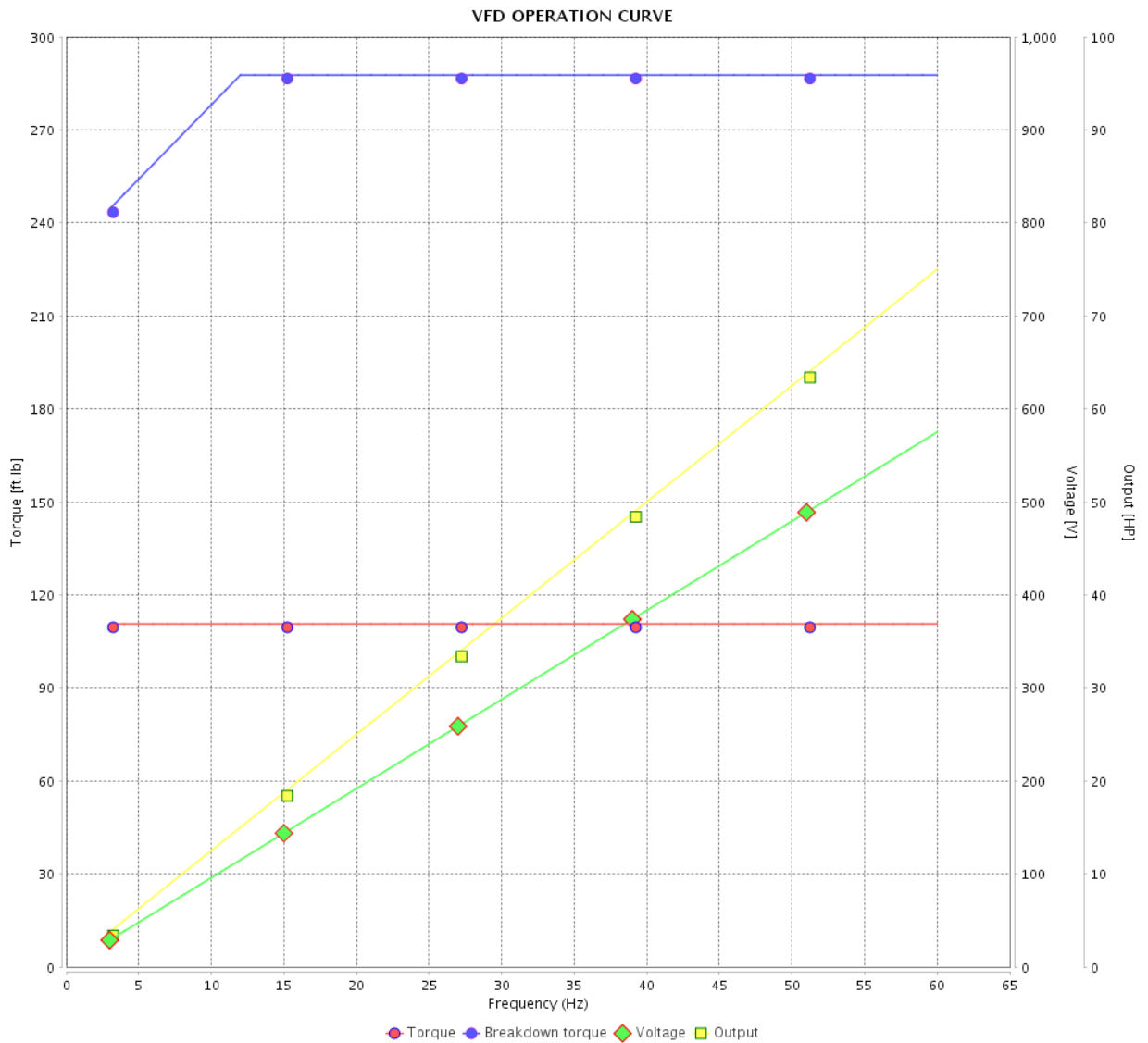


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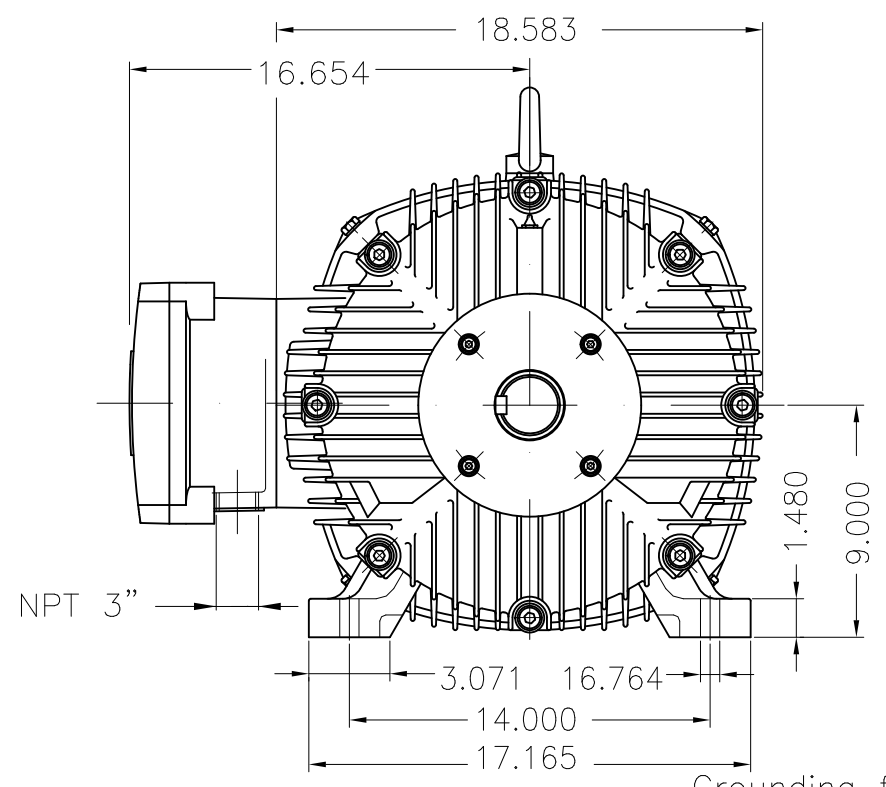


Performance : 575 V 60 Hz 2P

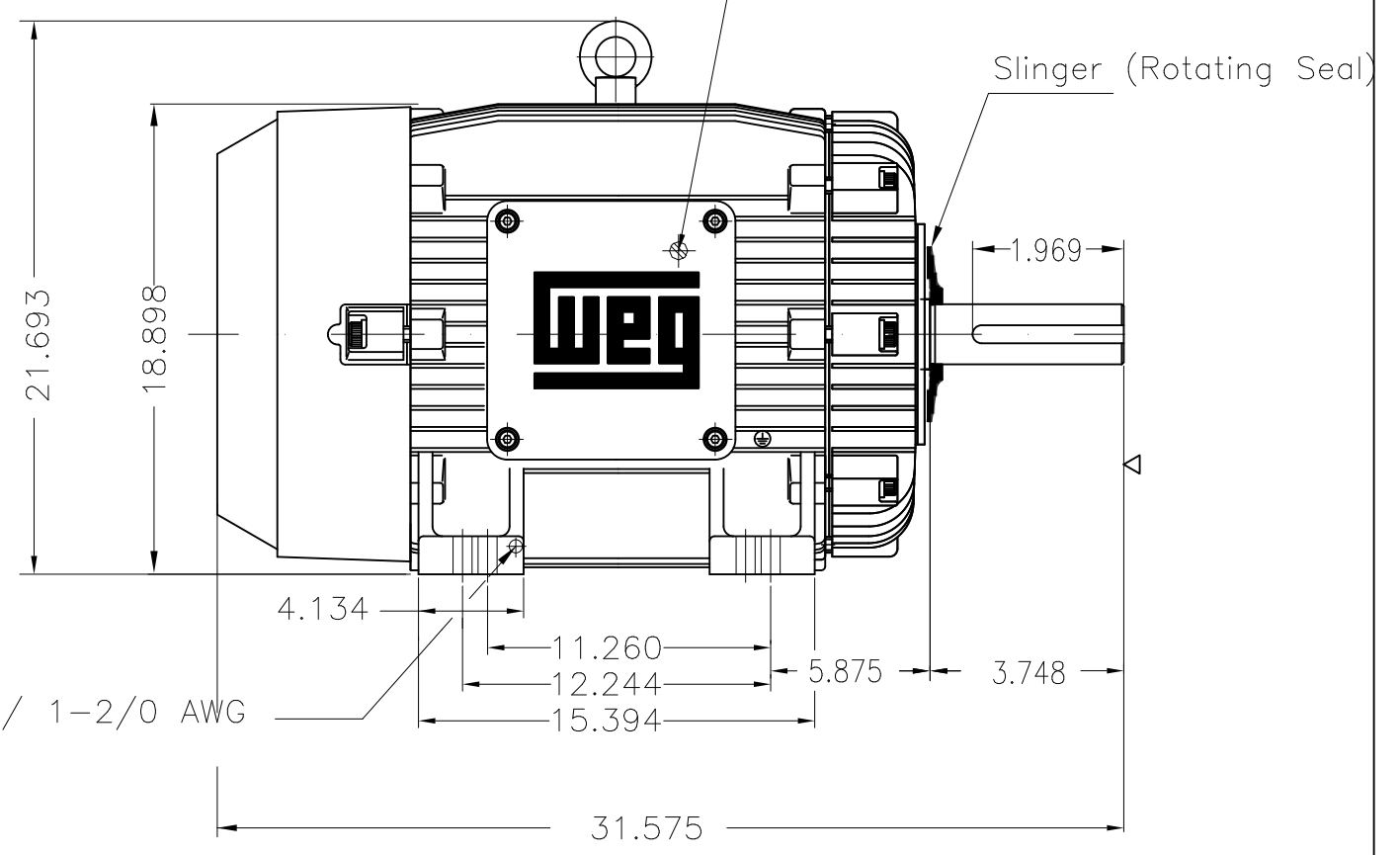
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 Insulation class : F
 Service factor : 1.15
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 Design : B

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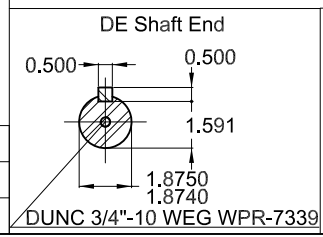
Grounding for leads 25–50 mm² / 3–1 AWG



Grounding for leads 35–70 mm² / 1–2/0 AWG

75 HP 02 Poles 60 Hz A

Color RAL 5009
 Painting plan 202P
 Mounting B3R(D)



ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER	THREE PH. MOTOR EXPLOSION PROOF PREM. EFF.					
CHECKED		FRAME 364/STS IP55 TEFC					
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering	PREVIEW	WDD	1 / 1	





W21X NEMA
CC029A Premium

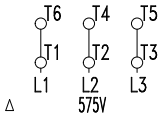
*Inverter Duty Motor
 Severe Duty*




TEMP CODE T3C
 CSA/UL: Class I - Div. 1 - Groups C and D
 CSA: Class II - Div. 1 - Groups F and G
 CSA: Class I - Zone 1 - IIB
EXPLOSION PROOF MOTOR
 FOR USE ON VPWM VFD 1000:1VT, 2:1CT, 1.0SF, T3C, AMB 40°C.

VJP PART # HX075502NP
 MADE IN BRAZIL
 11360958

PH 3	FR 364/5TS	HP(kW) 75(55)	Hz 60
V 575	A 65.9	RPM 3560	
NEMA NOM. EFF. 94.1%		INS CL F Δ T 80 K	IP55
PF 0.89	DUTY CONT.	CODE G	
ENCL. TEFC	SF 1.15	SFA 75.8	
AMB 40°C	DES B		
AMB 55°C SF1.0	-bearings lub interval reduced by a factor of 50%		



 → 6314-C3(27g) MOBIL POLYREX EM
 → 6314-C3(27g) 3604 h
 ALT 1000 m.a.s.l | 1005 Lbs