

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :										
Product line		: W21 Explosion Proof NEMA Premium Efficiency Three-Phase		Product code :	11506320					
				Catalog # :	12536XT3G444TS					
Frame	:	444/5TS		Locked rotor time	: 39s (cold) 22s (hot)					
Output	:	125 HP		Temperature rise	: 80 K					
Poles	:	2		Duty cycle	: Cont.(S1)					
Frequency	:	60 Hz		Ambient temperature	: -20°C to +40°C					
Rated voltage	:	460 V		Altitude	: 1000 m.a.s.l.					
Rated current	:	134 A		Protection degree	: IP55					
L. R. Amperes	:	884 A		Cooling method	: IC411 - TEFC					
LRC	:	6.6x(Code G)		Mounting	: F-1					
No load current	:	32.5 A		Rotation ¹	: Both (CW and CCW)					
Rated speed	:	3575 rpm		Noise level ²	: 86.0 dB(A)					
Slip	:	0.69 %		Starting method	: Direct On Line					
Rated torque	:	184 ft.lb		Approx. weight ³	: 2049 lb					
Locked rotor torque	:	200 %								
Breakdown torque	:	250 %								
Insulation class	:	F								
Service factor	:	1.15								
Moment of inertia (J)	:	31.2 sq.ft.lb								
Design	:	B								
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	92.4	93.5	93.0	93.6	94.5	94.5	95.0	94.5	Max. traction	: 338 lb
	93.0	92.4	93.6	93.0	94.5	94.5	95.0	95.0		
Power Factor	0.61	0.60	0.83	0.83	0.88	0.88	0.89	0.90	Max. compression	: 2386 lb
	0.57	0.55	0.81	0.79	0.87	0.86	0.89	0.88		
Bearing type	:	<u>Drive end</u> 6314 C3		<u>Non drive end</u> 6314 C3						
Sealing	:	Oil Seal		Lip Seal						
Lubrication interval	:	3604 h		3604 h						
Lubricant amount	:	27 g		27 g						
Lubricant type	:	Mobil Polyrex EM								
Notes										
This revision replaces and cancel the previous one, which must be eliminated.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.							
(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.										
Rev.	Changes Summary				Performed	Checked	Date			
Performed by										
Checked by						Page	Revision			
Date	12/08/2024					1 / 2				

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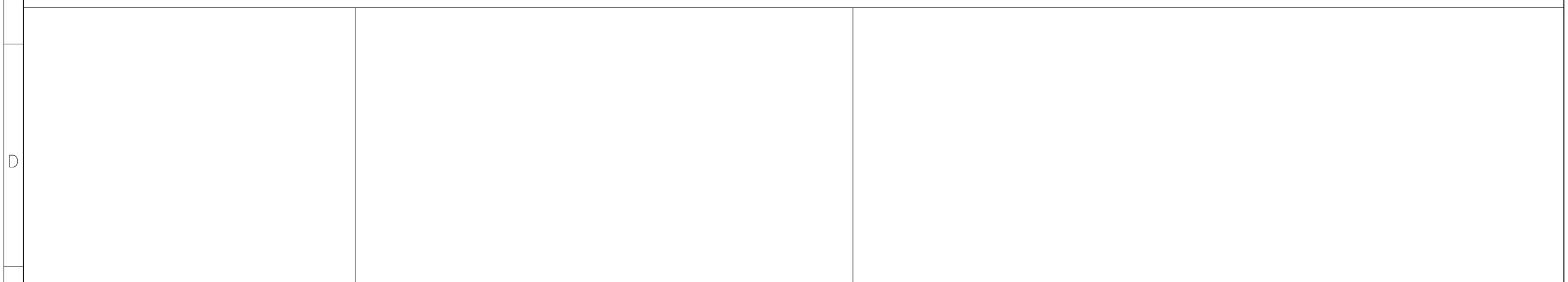
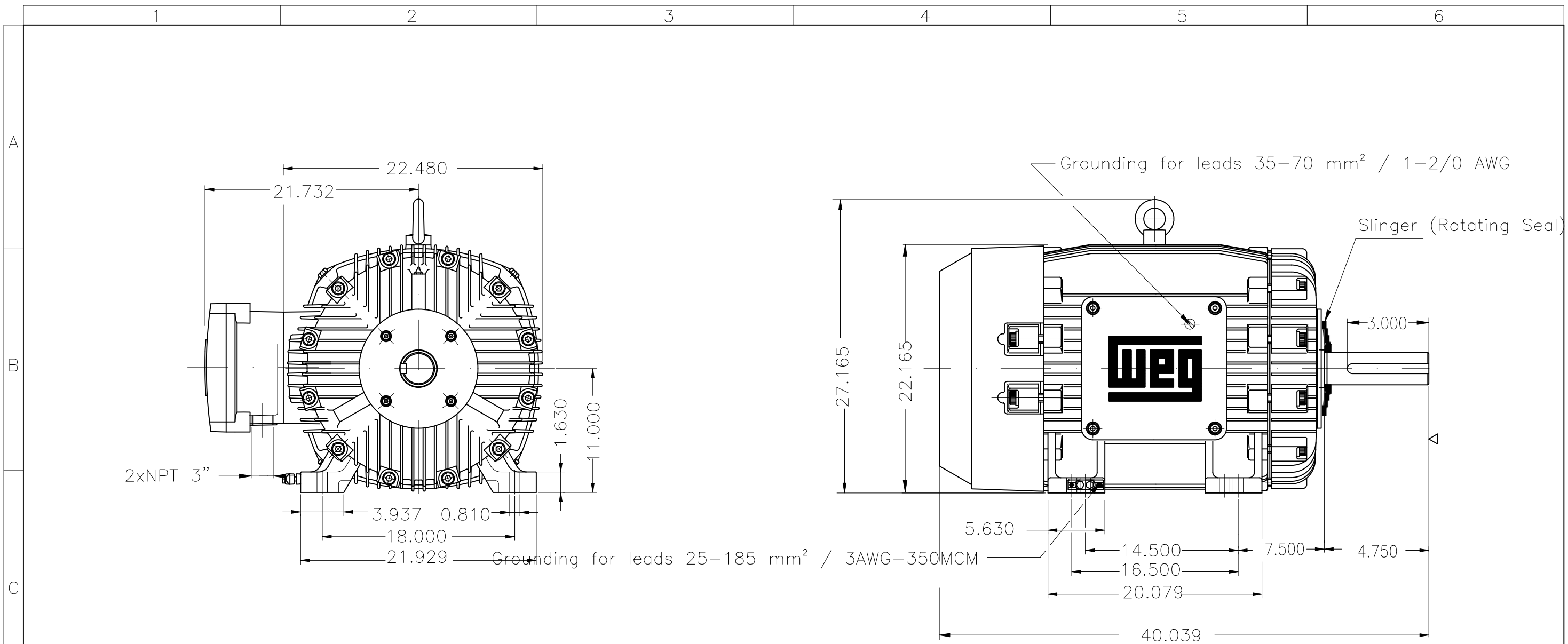


Customer : _____

Thermal protection

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	12/08/2024		2 / 2	



Color RAL 5009										Painting plan 222P										Mounting B3R(D)																																																																																									
DE Shaft End																				DUNC 3/4"-10 WEG WPR-7339																																																																																									
125 HP 02 Poles 60 Hz										A																																																																																																			
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Dimensions in inches XME A3

MADE IN BRAZIL
11506320



MODEL 12536XT3G444TS

Inverter Duty Motor
Severe Duty
Explosion Proof Motor

PH3 60Hz Fr. 444/5TS 1000m.a.s.l. IP55 TEFC 2050lb

V 460

A 134

HP 125

kW 90

SF 1.15

SFA 154

RPM 3575

PF 0.89

AMB 40°C

INS cl. F DT80K

NEMA NOM EFF 95.0%

DUTY CONT.

DES B Code G

Amb 55°C SF1.0 - bearings lub interval reduced by a factor of 50%

For use on PWM: VT1000:1,
CT2:1, 1.00SF, T3C, AMB 40°C
CC029A



Class I, Div 1, Gr C and D - T3C
Class I, Zone 1, IIB - T3C
Class II, Div 1, Gr F and G - T3C



Class I, Div 1, Gr C and D - T3C

