# DATA SHEET

#### Three Phase Induction Motor - Squirrel Cage

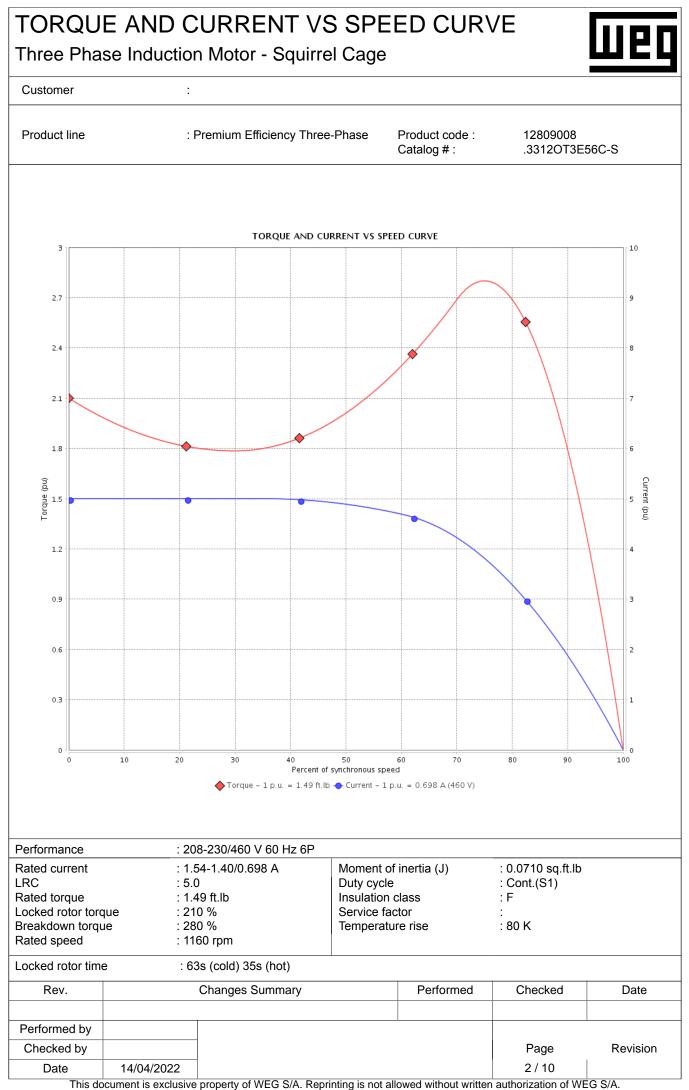
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#### Customer

Product line		: Premium Efficiency Three-Pr	hase Product code : Catalog # :		12809008 .3312OT3E56C-S		
Frame Insulation class Duty cycle Ambient temperature Altitude		: 56C : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup>		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 19.0 lb		
			Moment	of inertia (J)	: 0.0710 sq.		
Output [HP]		0.33		0.33	0.33		
Poles		6		6	6		
Frequency [Hz] Rated voltage [V]		60 208-230/460		50 190/380	50 220/415		
Rated current [A]		1.54-1.40/0.698		1.51/0.756	1.44/0.761		
L. R. Amperes [A]		7.72-6.98/3.49		1.51/0.756 1.44/0.761   6.20/3.10 6.17/3.27			
LRC [A]		5.0x(Code K)		6.20/3.10 6.17/3.27   .1x(Code G) 4.3x(Code H)			
No load current [A	1	1.03-1.20/0.600		1.14/0.568 1.16/0.617			
Rated speed [RPI		1160				950	
Slip [%]	-	3.33		5.50 5.00		5.00	
Rated torque [ft.lb		1.49		1.83		1.82	
Locked rotor torqu		210		160		180	
Breakdown torque	÷ [%]	280		210 240			
Service factor				1.25		1.25	
Temperature rise		80 K		80 K		80 K	
Locked rotor time		63s (cold) 35s (hot)		cold) 38s (hot)		ld) 34s (hot)	
Noise level <sup>2</sup>	25%	50.0 dB(A) 55.6	2	48.0 dB(A)		0 dB(A)	
	50%	59.5	61.4 58.2 62.7 60.2		60.2		
Efficiency (%)	75%	66.0		67.9		66.6	
	100%	71.4		68.8		68.7	
	25%	0.23		0.27		0.25	
/	50%	0.42		0.50		0.47	
Power Factor	75%	0.53		0.63		0.59	
	100%	0.63		0.73		0.69	
	·	Drive end Non drive end	Foundatio	on loads	I.		
Bearing type Sealing		: 6203 ZZ 6202 ZZ : Without Without Bearing Seal Bearing Seal	Max. tract Max. com		: 33 lb : 52 lb		
Lubrication inter Lubricant amour Lubricant type		· · · · · · · · · · · · · · · · · · ·					
Notes USABLE @208V	' SF 1.00						
must be eliminate	ed. notor from the 1m and with to	olerance of +3dB(A).			based on tests w ne tolerances stipu		
	ocess.	<u>j</u>					
<ul><li>(2) Measured at</li><li>(3) Approximate</li><li>manufacturing pr</li></ul>	ocess.	Changes Summary		Performed	Checked	Date	
(2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	ocess.			Performed	Checked	Date	
(2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev. Performed by	ocess.			Performed			
(2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	ocess.	Changes Summary		Performed	Checked Page 1 / 10	Date	

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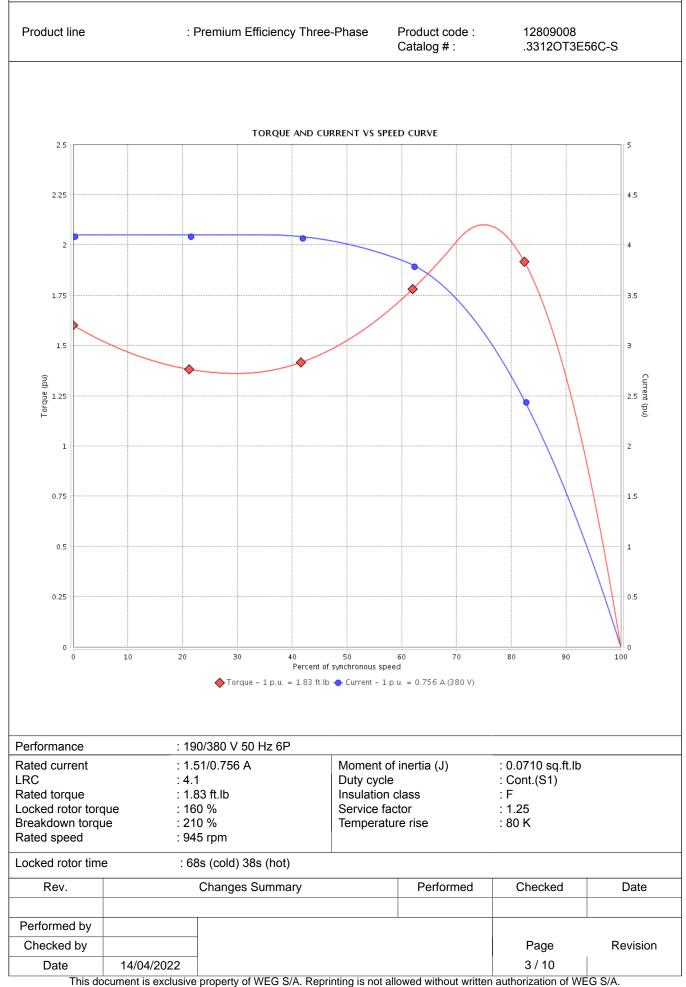
### TORQUE AND CURRENT VS SPEED CURVE

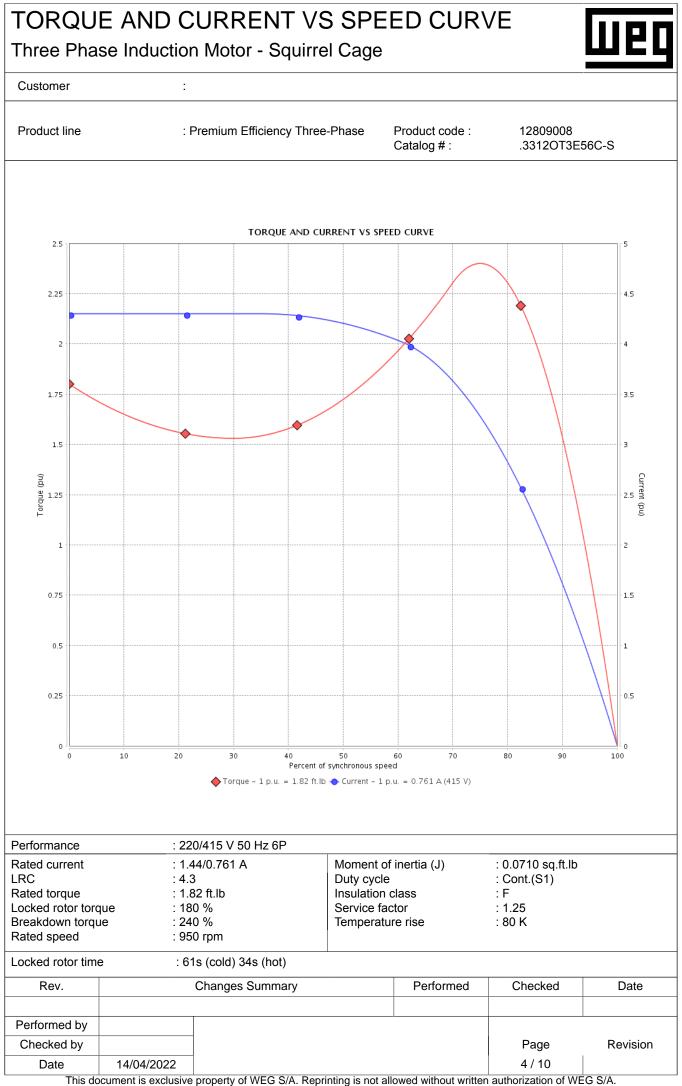
Three Phase Induction Motor - Squirrel Cage

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Customer



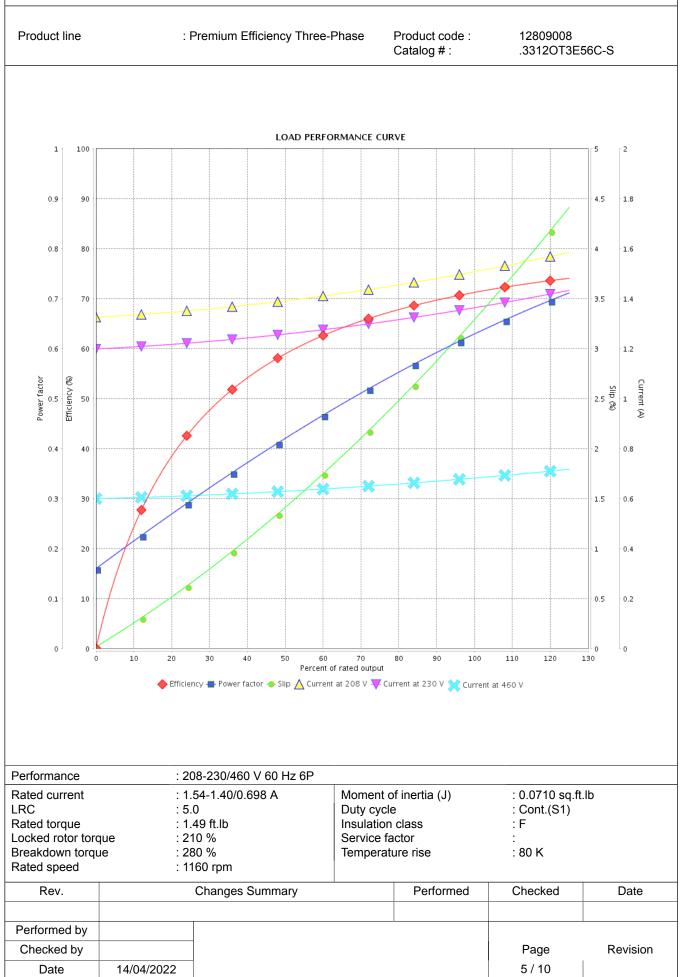


## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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#### Customer



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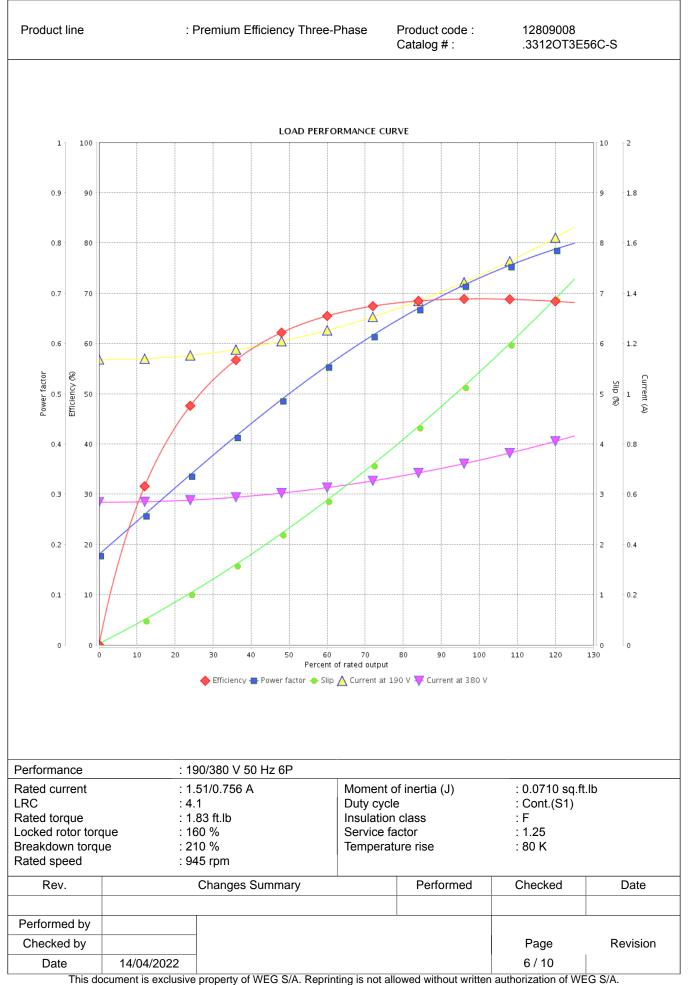
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Three Phase Induction Motor - Squirrel Cage

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Customer

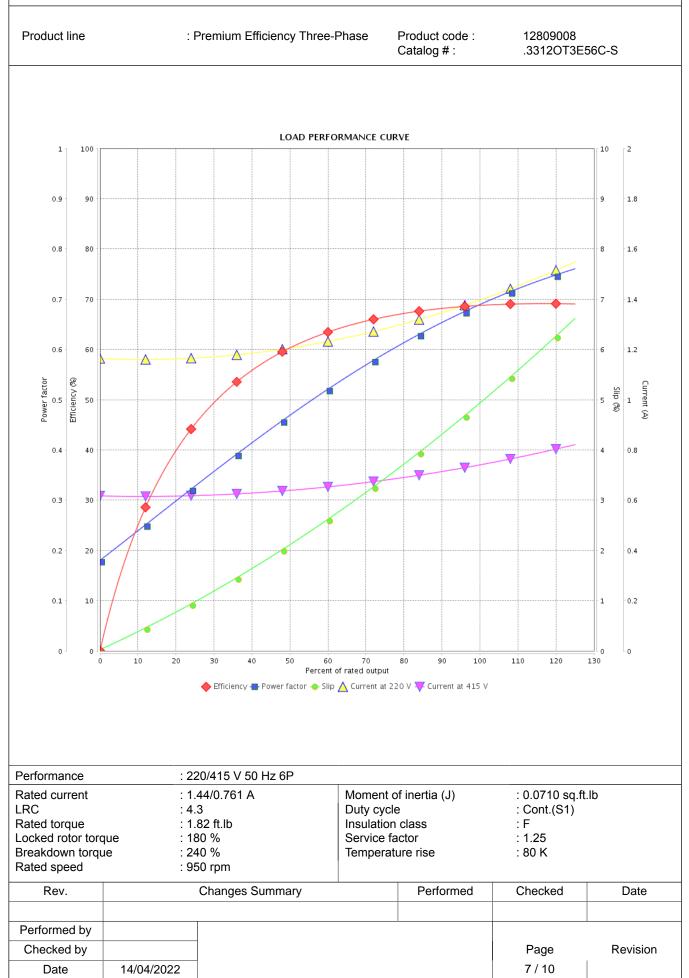


## LOAD PERFORMANCE CURVE

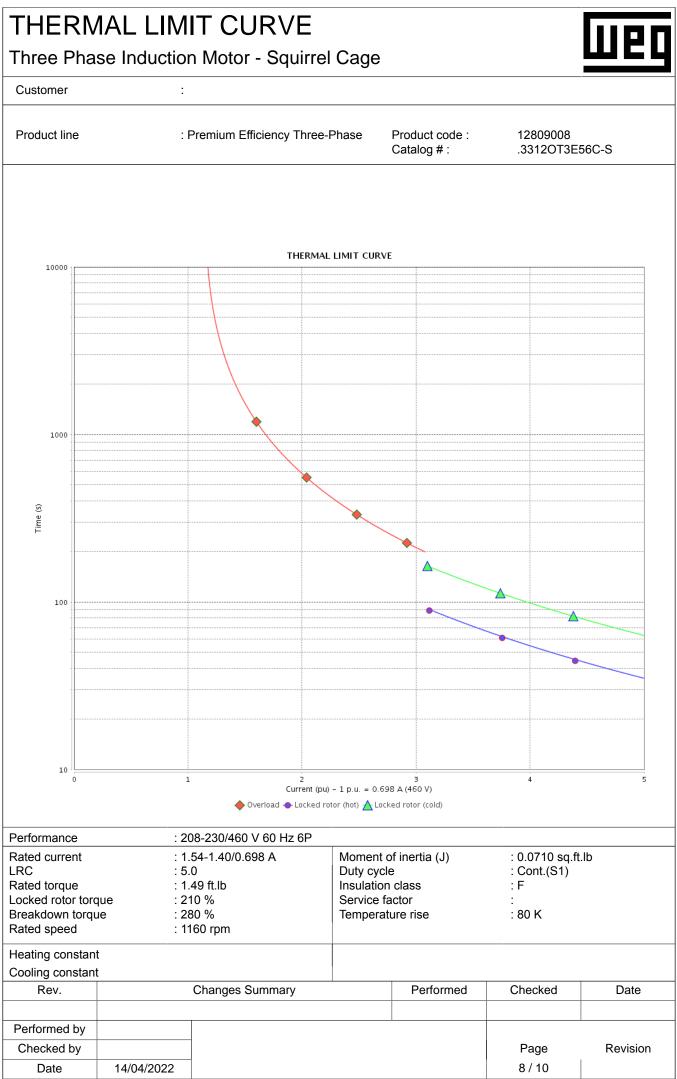
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#### Customer



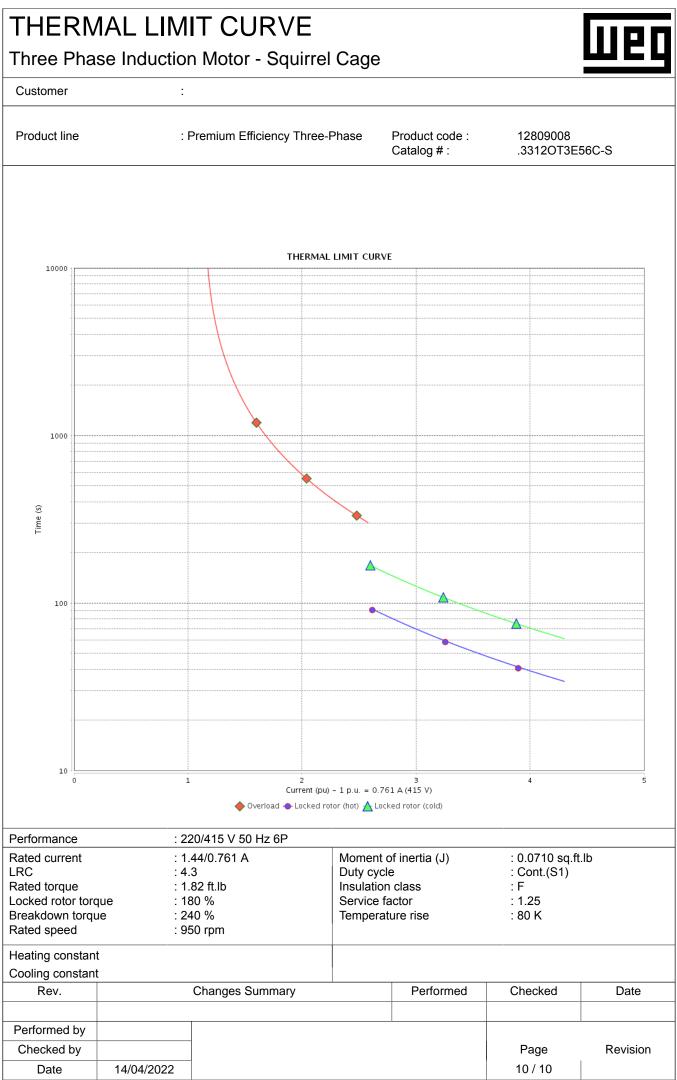
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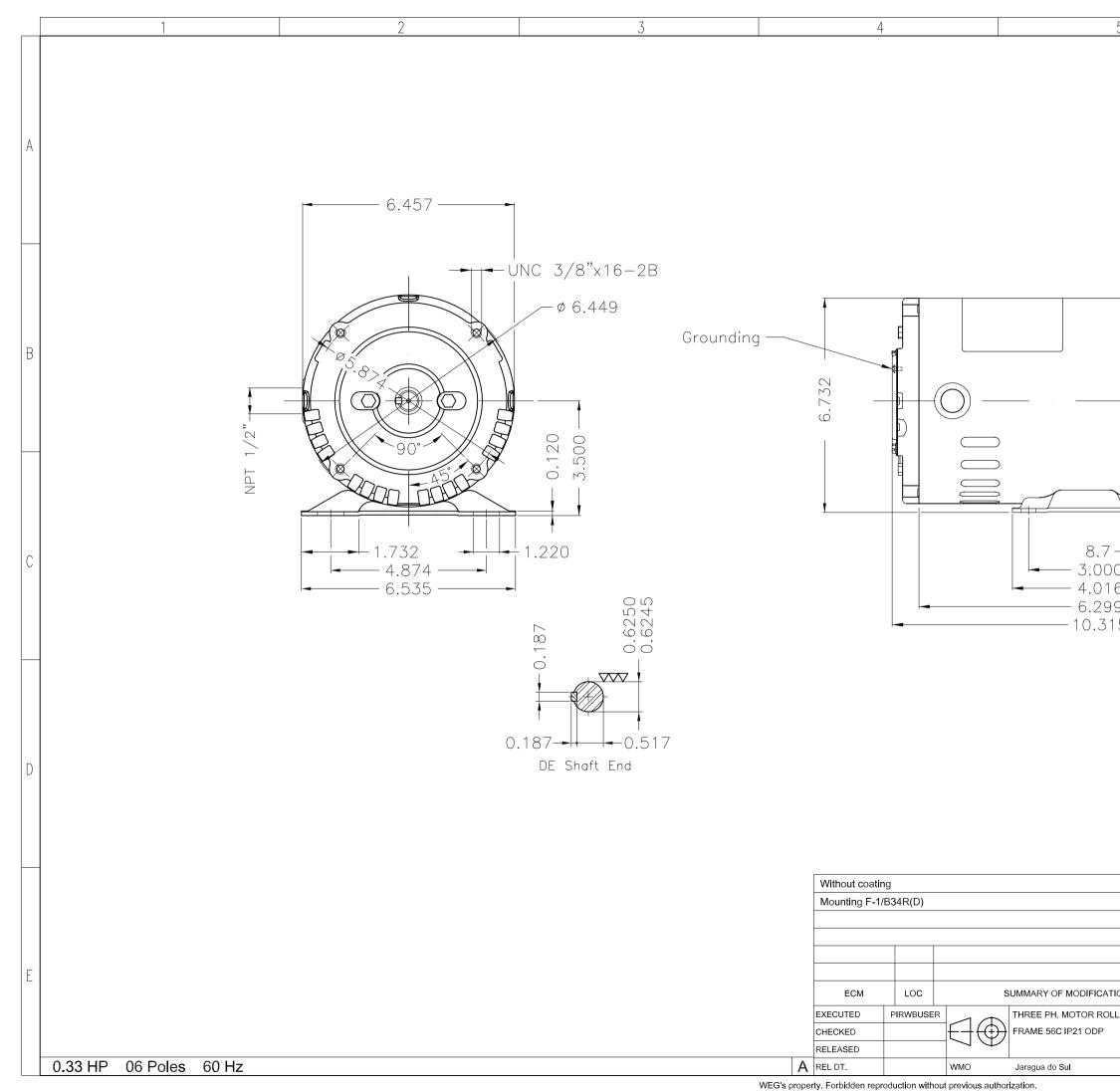
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Customer	:					
Product line	:1	Premium Efficiency Thre	ee-Phase	Product code : Catalog # :	12809008 .3312OT3E5	6C-S
10000		THER	MAL LIMIT CUR	KVE		
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1000						
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Time (s)			•			
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10						
0	1		(pu) - 1 p.u. = 0. ed rotor (hot) <u> </u> L		4	5
erformance	. 41	90/380 V 50 Hz 6P				
ated current		51/0.756 A		t of inertia (J)	: 0.0710 sq.ft.l	b
RC : 4.1 Rated torque : 1.83 ft.lb		Duty cy		: Cont.(S1) : F	: Cont.(S1)	
ocked rotor tor	que : 16	50 % 10 %	Service	factor	: 1.25	
reakdown torq ated speed		10 % 15 rpm	remper	ature rise	: 80 K	
eating constan	t					
ooling constan	t	Changes Summary		Performed	Checked	Date
Rev.						

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Dimensions in inches
XME A3

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LIED REMI	MADE IN BRAZIL MAT: 12809008 W01.TOOICOXOX MODEL 33120T3E56C-S 41MAP2AD3 BAN-	C Hz 60 00 m.a.s.l 00 m.a.s.	YY L1 L2 L3 Y L1 L2 L3   INTERCAMMENT AT YOU LUE MIRREY DE REVERTE REPORTING WARNING, MACOT INNO LUE MIRREY DE REVERTE REPORTING AND ADDRESS DE REVERTE AT A DREVERTE REPORTING and address and entities and an address description and and address and address and address description and and address and address and address and address description and address and address and address and a machine description parks. Decomments and address and address and address and address and address and address and address and address and address and address and address address and address and address and address address address address address and address and address address address address address address address and address addres address address addres address addres address addre