DATA SHEET

Three Phase Induction Motor - Squirrel Cage

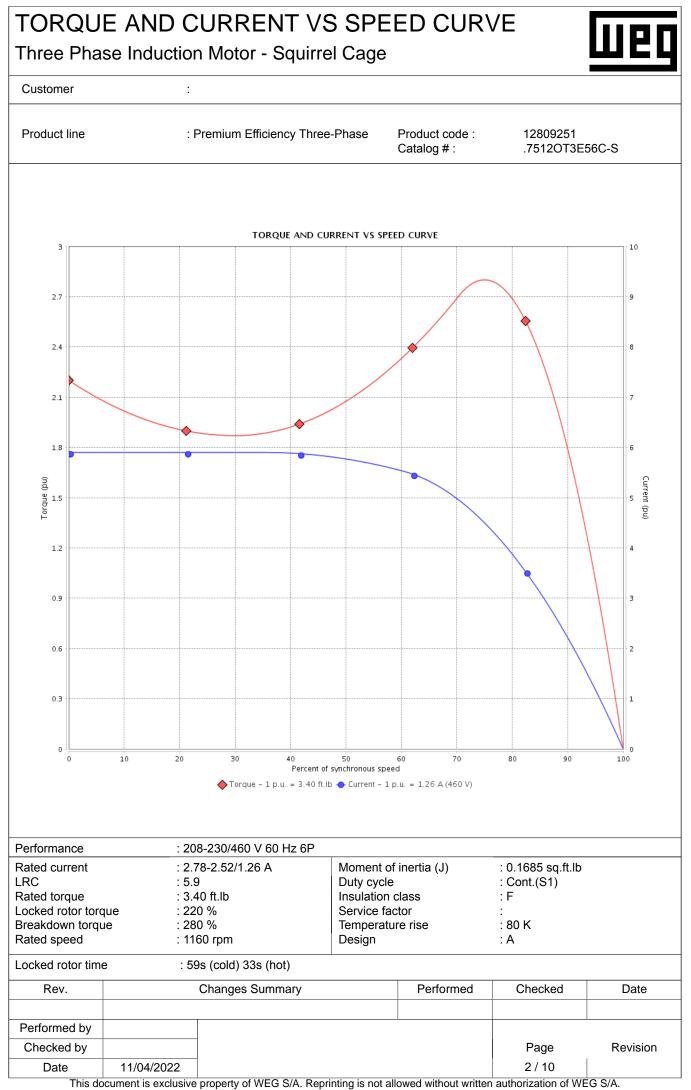
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Customer

Product line		: Premium Efficiency Three-Pf	hase Product code : Catalog # :		12809251 .7512OT3E56C-S		
Frame Insulation class Duty cycle Ambient temperature Altitude		: 56HC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 36.1 lb		
Design		: A	Moment of inertia (J)		: 0.1685 sq.ft.lb		
Dutput [HP]		0.75	0.75			0.75	
Poles		6		6		6	
requency [Hz]		60		50		50	
Rated voltage [V]		208-230/460 2.78-2.52/1.26	190/380			20/415	
Rated current [A]		16.4-14.9/7.43	2.86/1.43			2.64/1.40 13.2/7.00	
RC [A]		5.9x(Code J)	13.2/6.58				
lo load current [A	.1	1.55-1.79/0.896	4.6x(Code G) 1.77/0.886			5.0x(Code H) 1.78/0.943	
Rated speed [RPN		1160		945		950	
Slip [%]	···	3.33		5.50		5.00	
Rated torque [ft.lb]]	3.40		4.17		4.15	
ocked rotor torqu		220		170		200	
Breakdown torque		280	229			260	
Service factor				1.15		1.15	
emperature rise		80 K	80 K			80 K	
ocked rotor time		59s (cold) 33s (hot)	64s	(cold) 36s (hot)		57s (cold) 32s (hot)	
loise level ²		50.0 dB(A)		48.0 dB(A)		0 dB(A)	
	25%	73.7		77.6		75.9	
Efficiency (%)	50%	75.5		77.2		76.2	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	75%	80.0		79.0		78.9	
	100% 25%	81.7 0.25		78.0 0.30		78.7 0.27	
	25% 50%	0.25		0.53		0.27	
Power Factor	75%	0.45		0.66		0.49	
	100%	0.55		0.75		0.72	
Bearing type Sealing Lubrication interval Lubricant amount Lubricant type		Drive end Non drive end 6204 ZZ 6202 ZZ Without Without Bearing Seal Bearing Seal Mobil Polyrex EM	Max. trac Max. cor		: 88 lb : 124 lb		
Notes USABLE @208V	′ SF 1.00						
must be eliminate (1) Looking the m	ed. notor from the 1m and with to weight subject ocess.	lerance of +3dB(A).		e average values upply, subject to th			
Rev.		Changes Summary		Performed	Checked	Date	
						1	
Performed by							
		_			Page	Revision	
Performed by Checked by Date	11/04/2022				Page 1 / 10	Revision	

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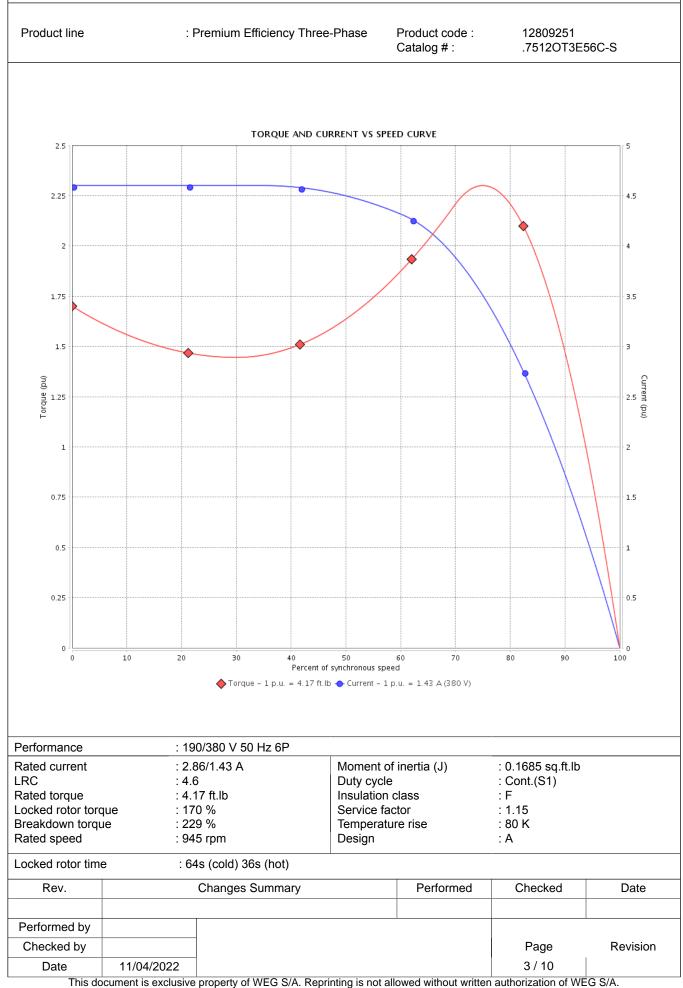
TORQUE AND CURRENT VS SPEED CURVE

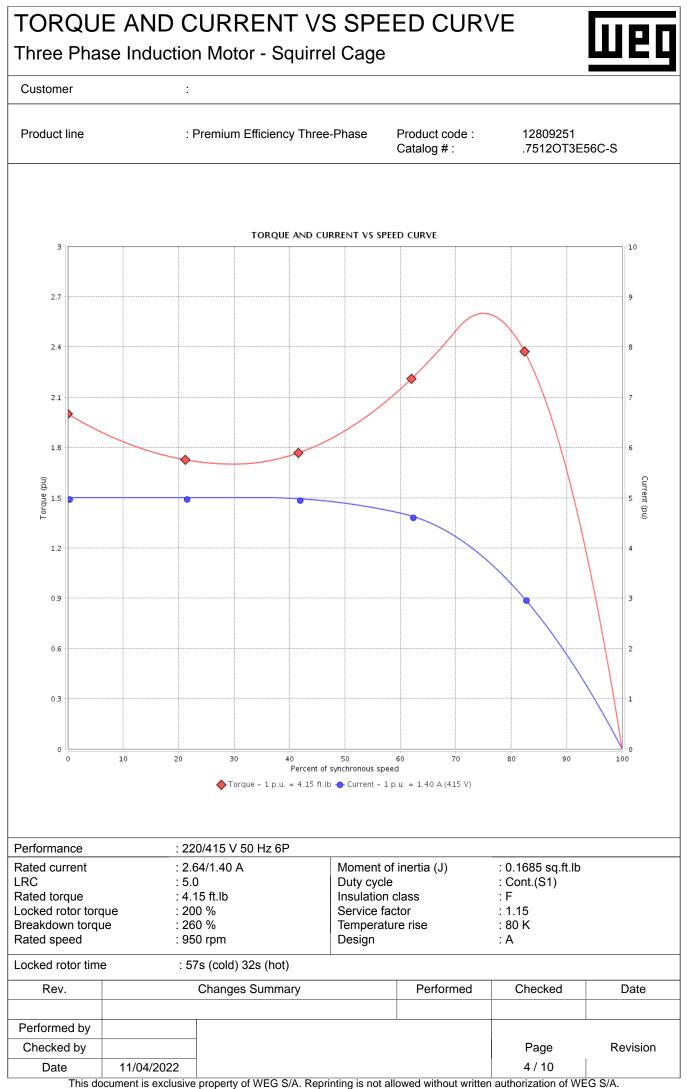
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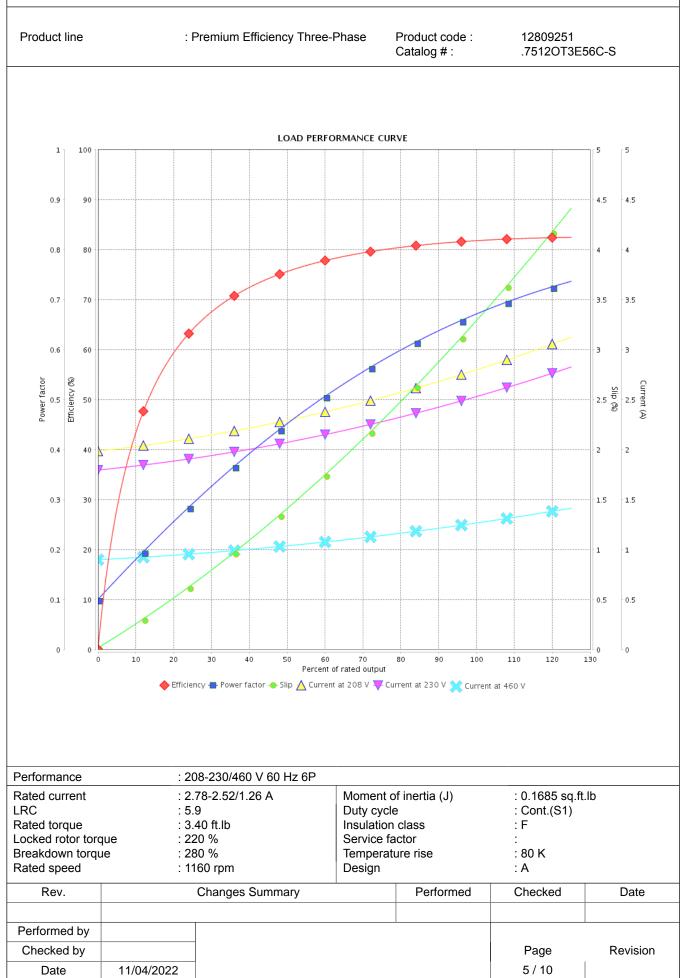


LOAD PERFORMANCE CURVE

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Customer



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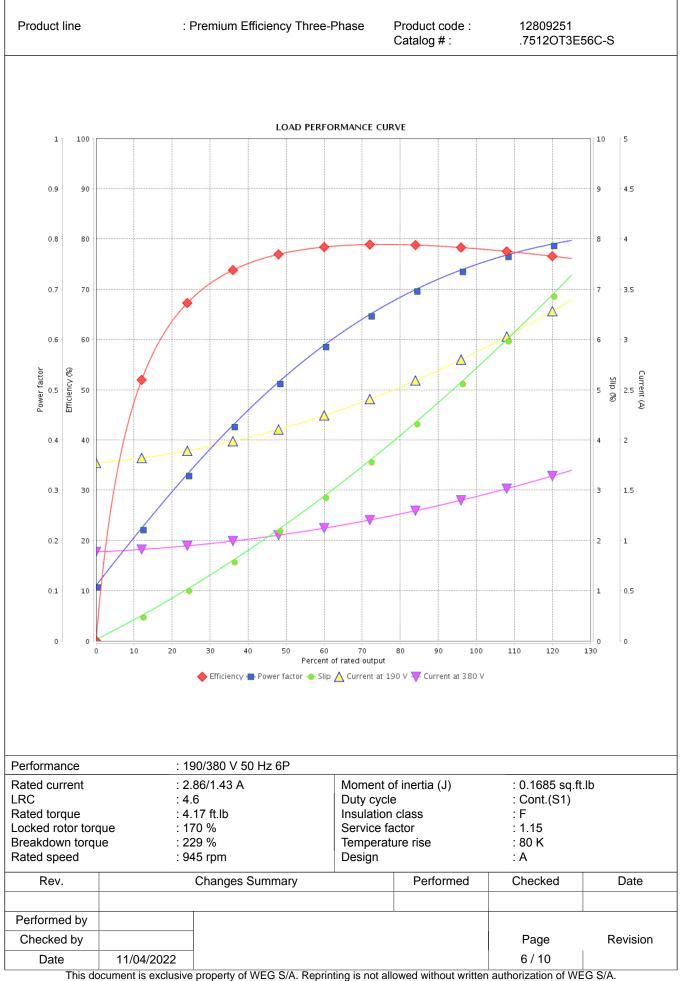
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Customer

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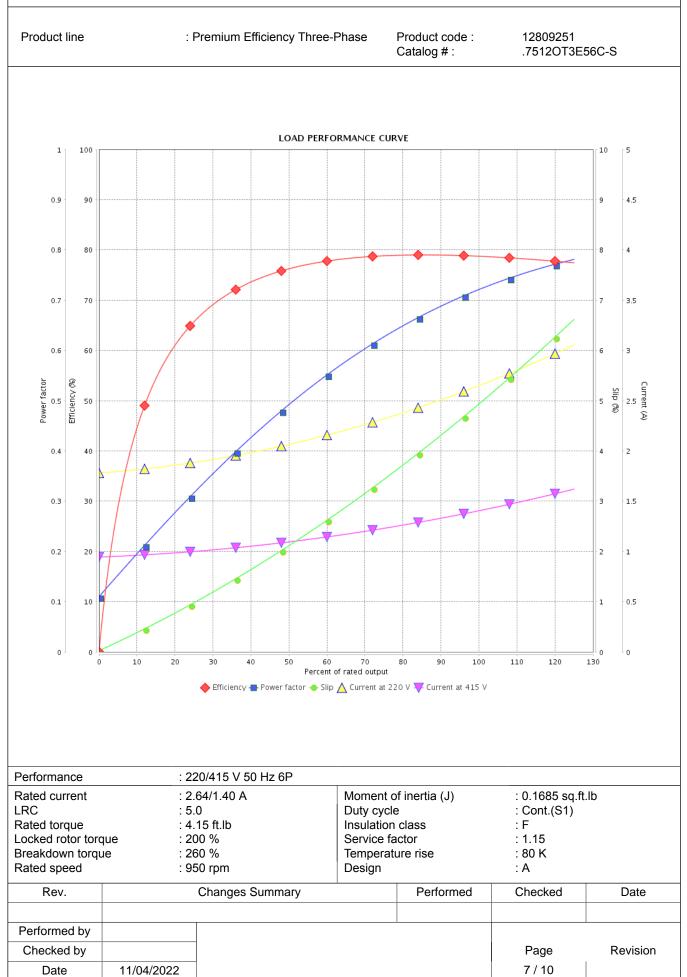


LOAD PERFORMANCE CURVE

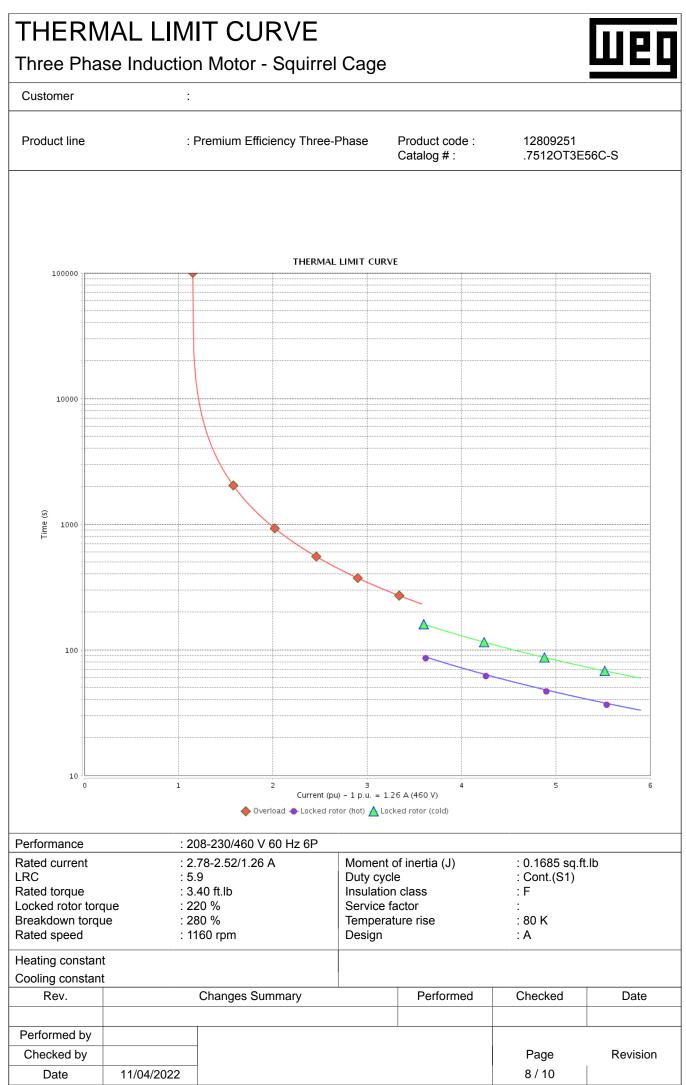
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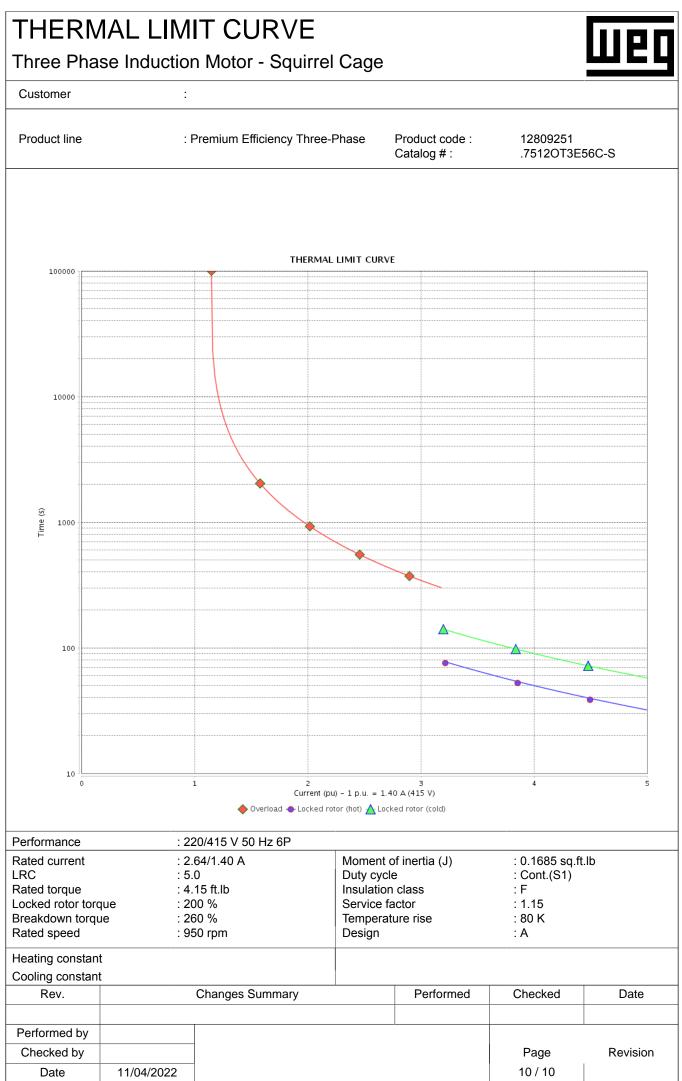
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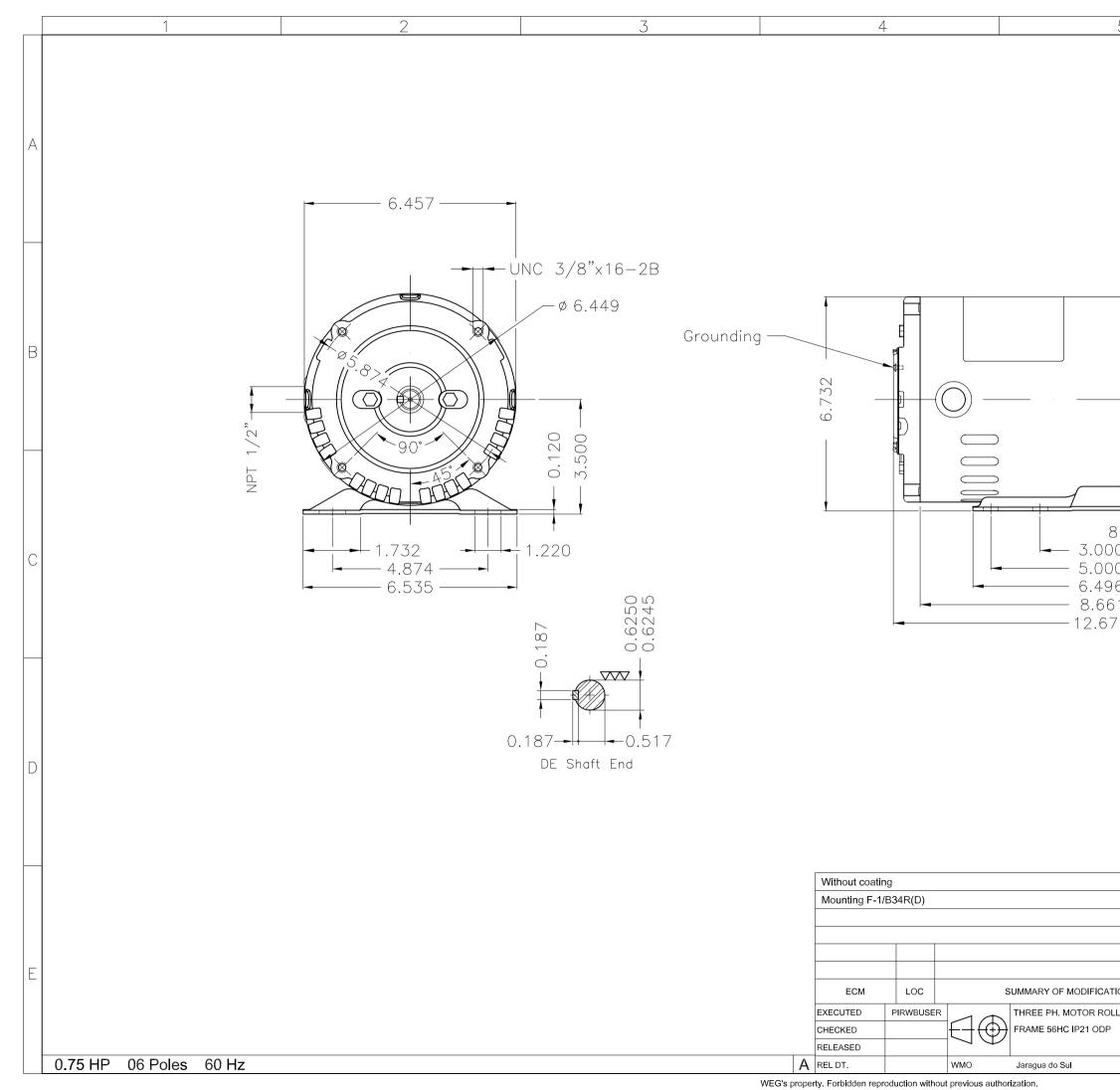
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Customer	:						
Product line	: Pren	: Premium Efficiency Three-Phase		Product code : Catalog # :		12809251 .7512OT3E56C-S	
		THERM	IAL LIMIT CUR	VE			
100000							
-							
10000							
		•					
(2)							
영 월 1000		•					
100							
		· · · · · · · · · · · · · · · · · · ·					
10	1	2		3		4	5
		🔶 Overload 🔶 Locke	: (pu) – 1 p.u. = : d rotor (hot) <u> </u> L				
erformance ated current	: 190/3	80 V 50 Hz 6P	Momen	t of inertia	(1)	: 0.1685 sq.ft	lh
RC : 4.6		Moment of inertia (J) Duty cycle		: Cont.(S1)			
ated torque: 4.17 ft.lbocked rotor torque: 170 %			Insulation class Service factor			: F : 1.15	
reakdown torque : 229 %		, D	Temperature rise			: 80 K	
ated speed	: 945 rp		Design			: A	
eating constant ooling constant							

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VALUE STEEL PREM EFF. PREVIEW 1.417 0 1.417 0 1.417 0 1.417 0 1.874 ±0.008 1.874 ±0.008 0 1.874 ±0.008 0 0 0 0 0 0 0 0 0 0 0 0 0	5			6		
	0).157	874		Dimensions in inches
Product Engineering SHEET 1 / 1	Product	t Engineering		1 / 1	ШР	XME A3