DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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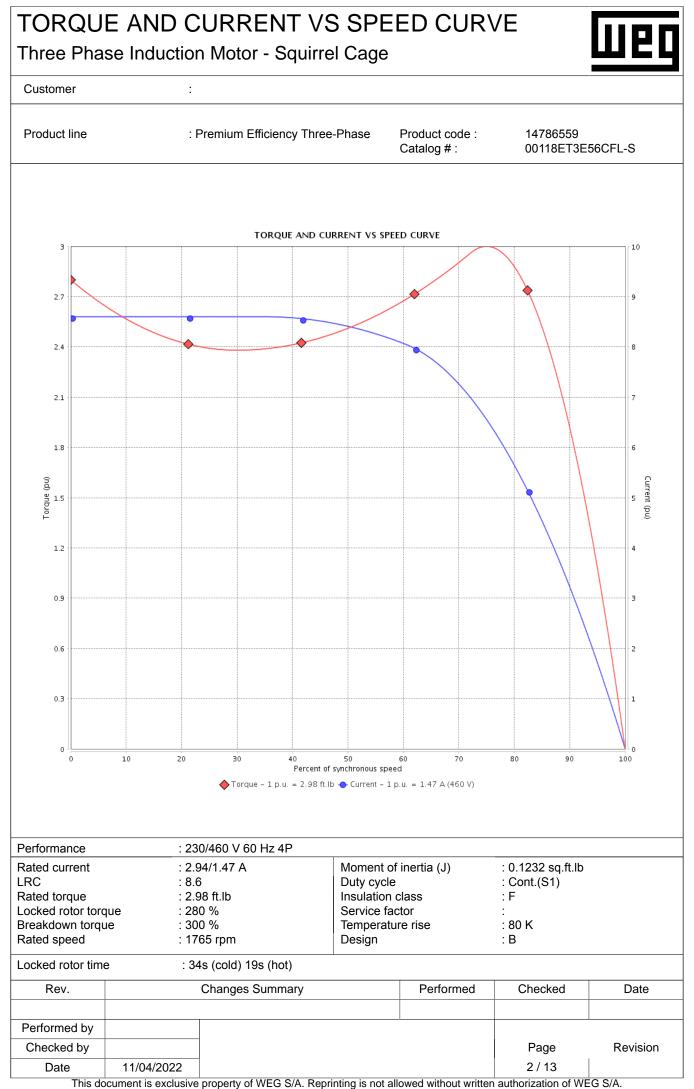
Customer

Product line		: Premium Efficiency Three		Product code : Catalog # :	14786559 00118ET3E56CFL-S		
Frame		: 56C	Cooling	method	: IC411 - TE	FC	
Insulation class		: F	Mountir		: F-1		
Duty cycle		: Cont.(S1)	Rotatio	Q	: Both (CW and CCW)		
Ambient tempera	atura	: -20°C to +40°C		method	: Direct On Line		
Altitude	ature	: 1000 m.a.s.l.		weight ³	: 36.5 lb		
	-						
Protection degre	e	: IP55	women	t of inertia (J)	: 0.1232 sq.ft.lb		
Design		: B					
Output [HP]		1		1		1	
Poles		4		4		4	
Frequency [Hz]		60		50		50	
Rated voltage [V]		230/460		190/380	2	20/415	
Rated current [A]		2.94/1.47		3.40/1.70	3.	09/1.64	
L. R. Amperes [A]		25.3/12.6		22.1/11.0		22.0/11.6	
LRC [A]		8.6x(Code M)		6.5x(Code J)		7.1x(Code K)	
No load current [A	1	1.78/0.890				7/0.938	
				1.76/0.879			
Rated speed [RPN	vi]	1765		1450		1455	
Slip [%]	-	1.94		3.33		3.00	
Rated torque [ft.lb]		2.98		3.62		3.61	
Locked rotor torqu		280		200		220	
Breakdown torque	e [<u>%]</u>	300		270		300	
Service factor				1.00		1.00	
Temperature rise		80 K		80 K		80 K	
Locked rotor time		34s (cold) 19s (hot)	320	(cold) 18s (hot)		old) 17s (hot)	
Noise level ²		52.0 dB(A)	023	49.0 dB(A)		.0 dB(A)	
	25%	81.0		82.5		81.2	
Efficiency (%)	50%	82.5		82.2 81.5			
	75%	84.0		83.7	83.6		
	100%	85.5		82.9		83.5	
	25%	0.30		0.36		0.33	
Power Factor	50%	0.52		0.62		0.58	
FOWER FACIO	75%	0.66	0.66 0.74			0.71	
	100%	0.75		0.81		0.79	
	1	Drive end Non drive er	nd Foundat	ion loads	1		
Bearing type		: 6204 ZZ 6202 ZZ			: 88 lb		
			max. au				
Sealing		: V'Ring Without		npression	: 124 lb		
1.1.2		Bearing Se	ear				
Lubrication interv		:					
Lubricant amoun	it	:					
Lubricant type		: Mobil Polyrex EM					
Notes USABLE @208V	3.25A SF 1.	00 SFA 3.25A	1				
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec ocess.	cel the previous one, which shaft end. olerance of +3dB(A). t to changes after		re average values upply, subject to th			
Rev.		Changes Summary		Performed	Checked	Date	
		enangee caninary					
Derfe 11							
Performed by							
Checked by					Page	Revision	
Date	11/04/202	2			1/13	1	
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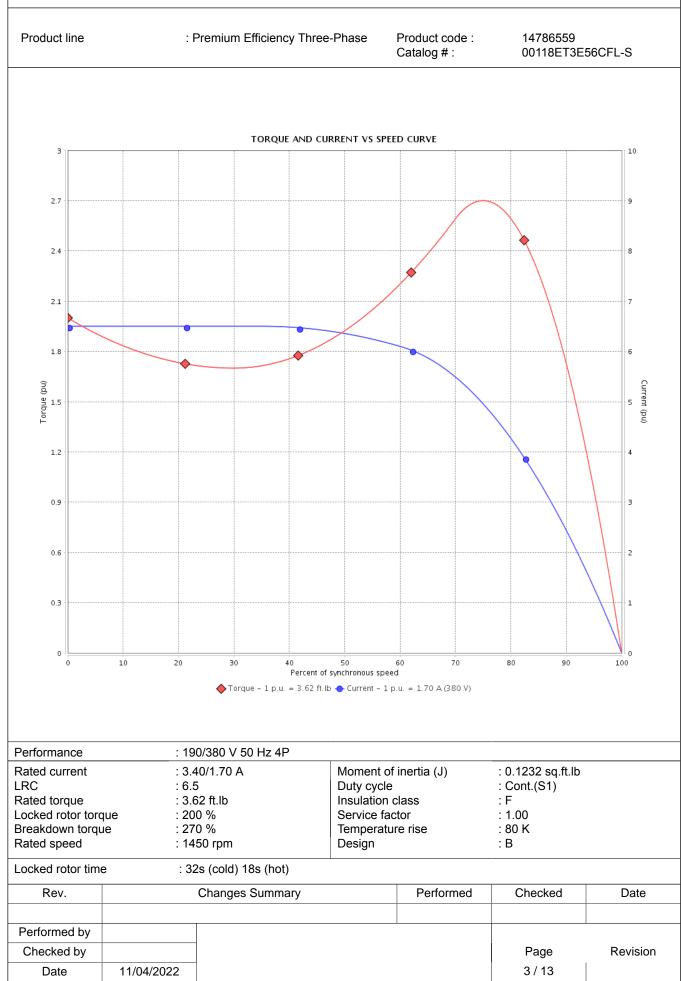


TORQUE AND CURRENT VS SPEED CURVE

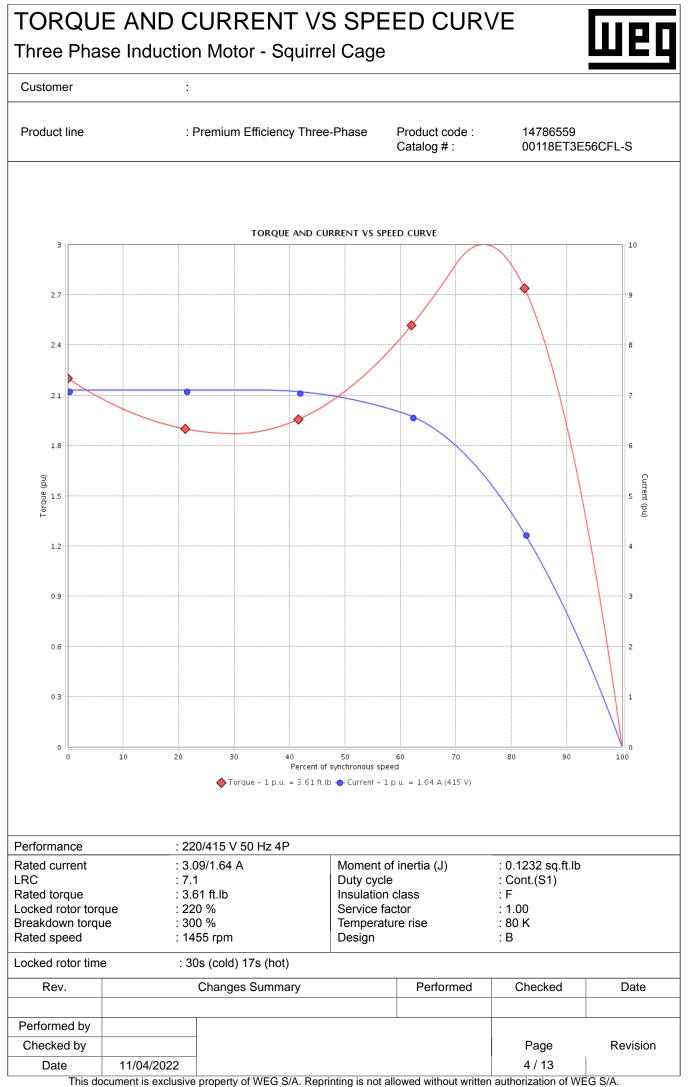
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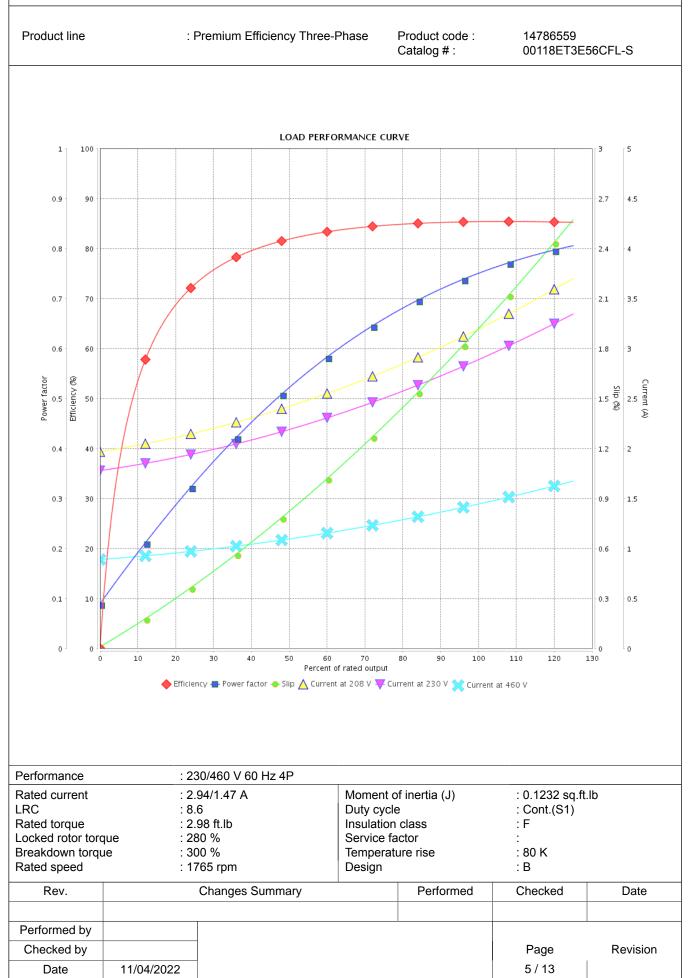


LOAD PERFORMANCE CURVE

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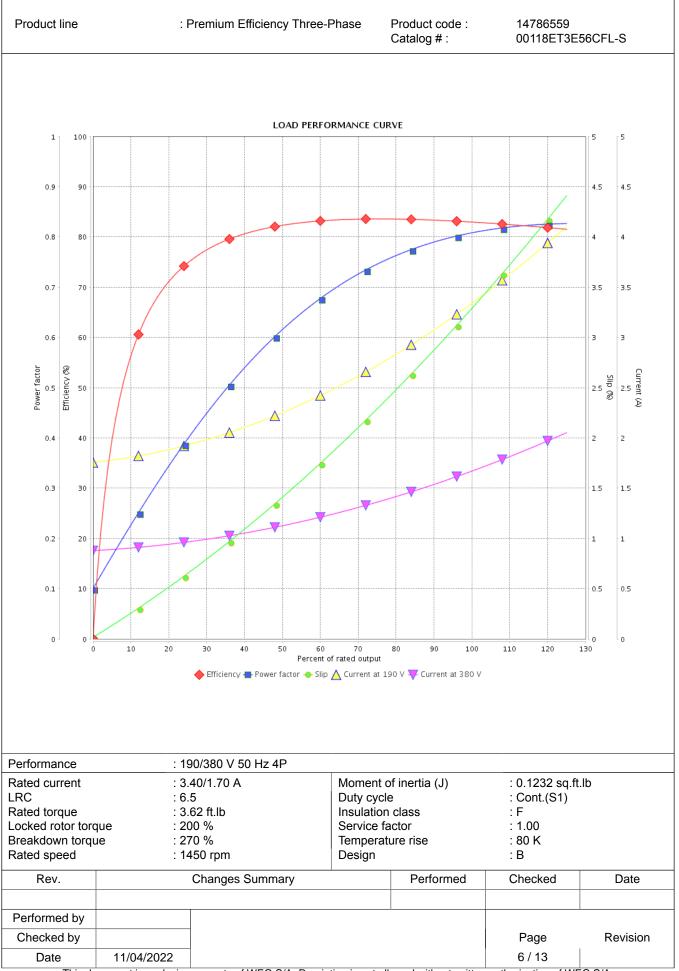
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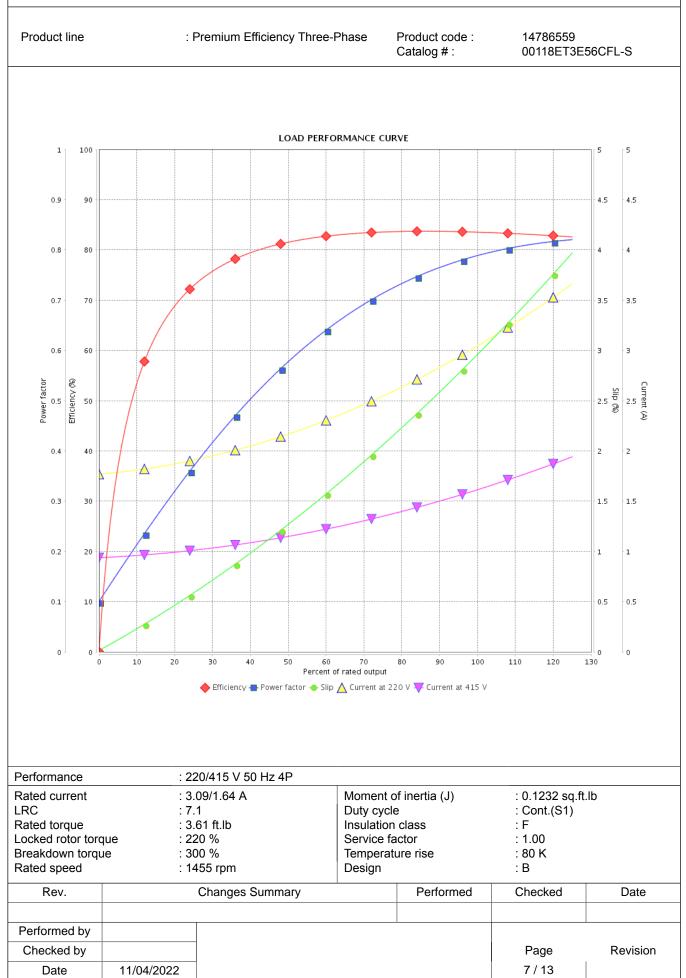
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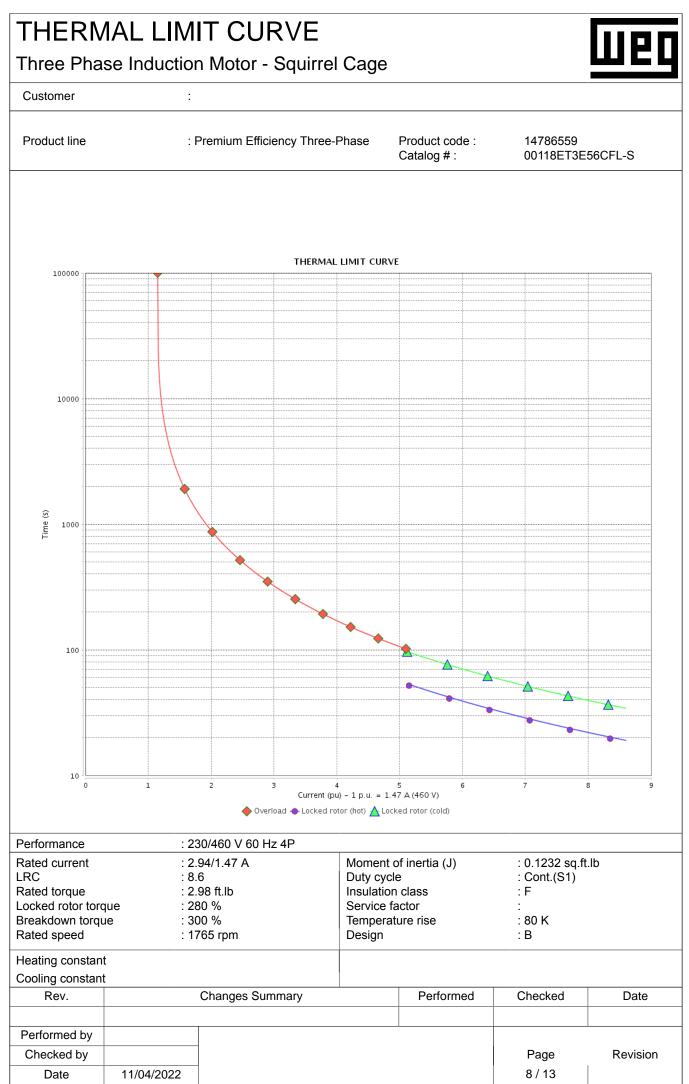
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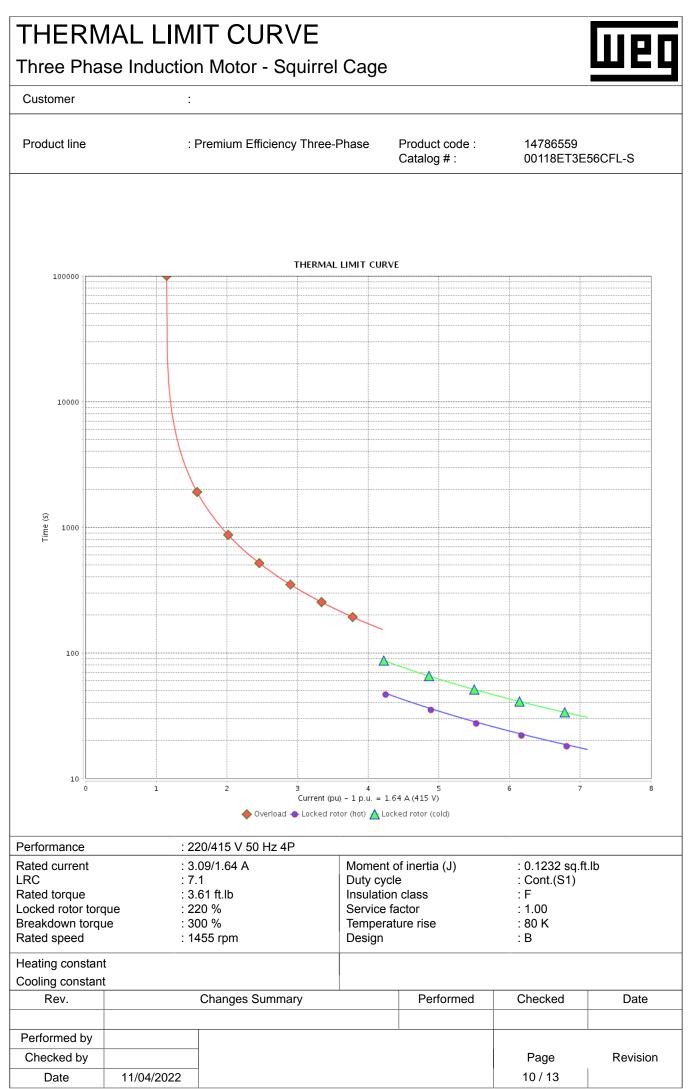
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Customer	:								
Product line	:1	: Premium Efficiency Three-Phase			Product code : Catalog # :			14786559 00118ET3E56CFL-S	
			THERMA	AL LIMIT CUR	RVE.				
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Ŭ	1		Current (pu) – 1 p.u. = 1		(380 V)	-	0	,
		•	🕨 Overload 🔶 Locked	rotor (not) 🛧 L	ocked	rotor (COIC)			
erformance	: 19	90/380 V	50 Hz 4P						
ated current		40/1.70 A 5	N			nertia (J)	: 0.1232		
ated torque : 3.62 ft.lb			Insulation	Duty cycle Insulation class			: Cont.(S1) : F		
eakdown torque : 200 % 270 %				Service factor Temperature rise			: 1.00 : 80 K		
ated speed : 1450 rpm							: B		
eating constant									
oling constant								I	
Rev.		~	Summary			Performed	Checke	d	Date

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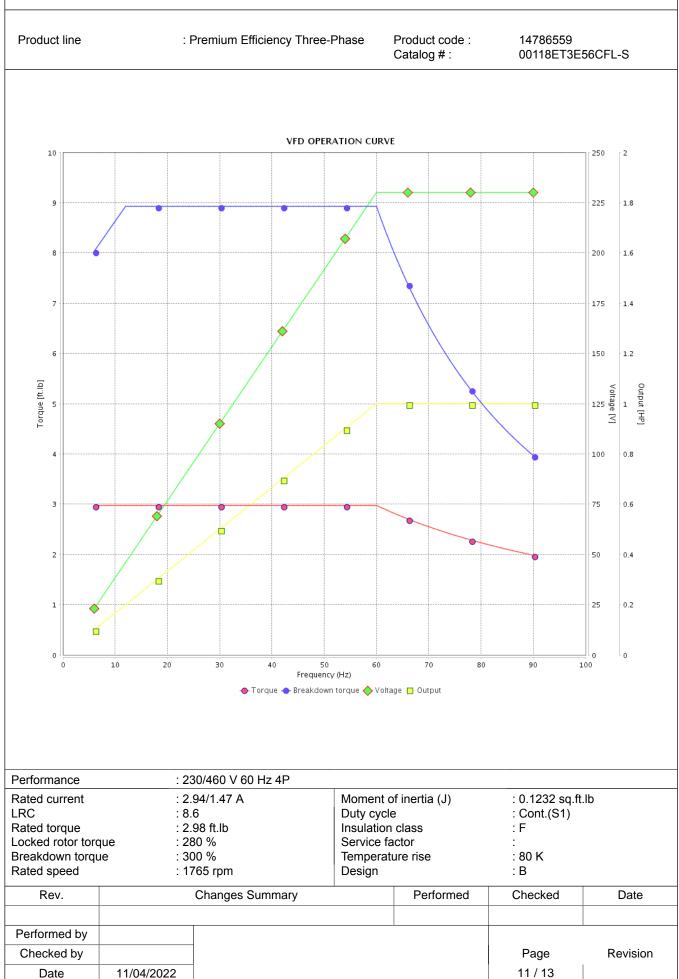
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VFD OPERATION CURVE

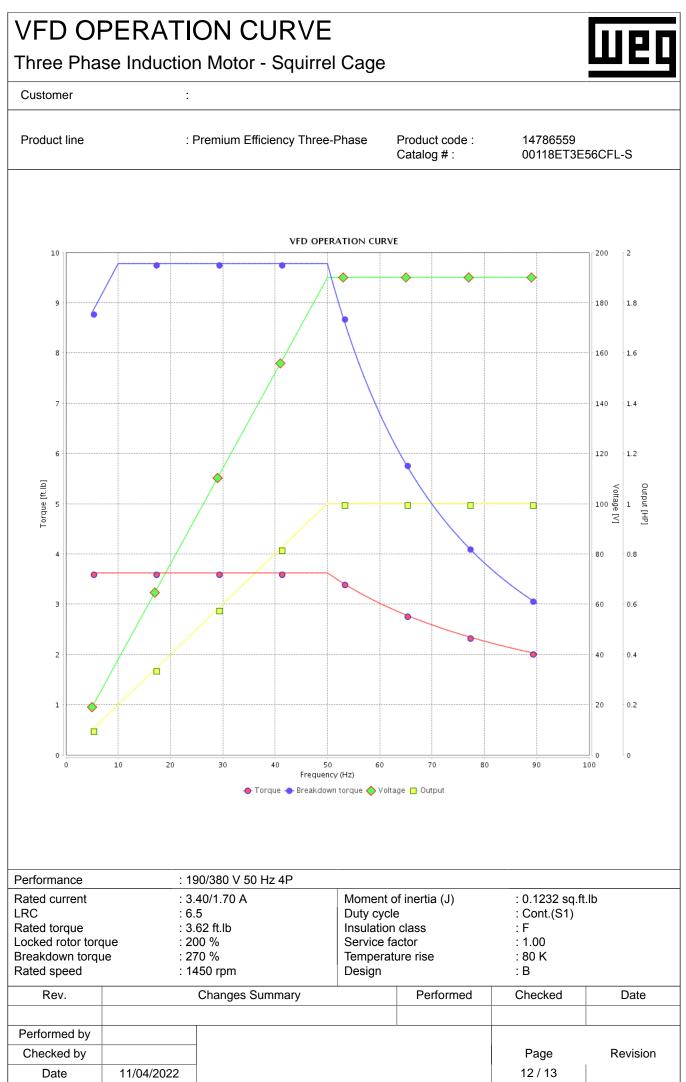
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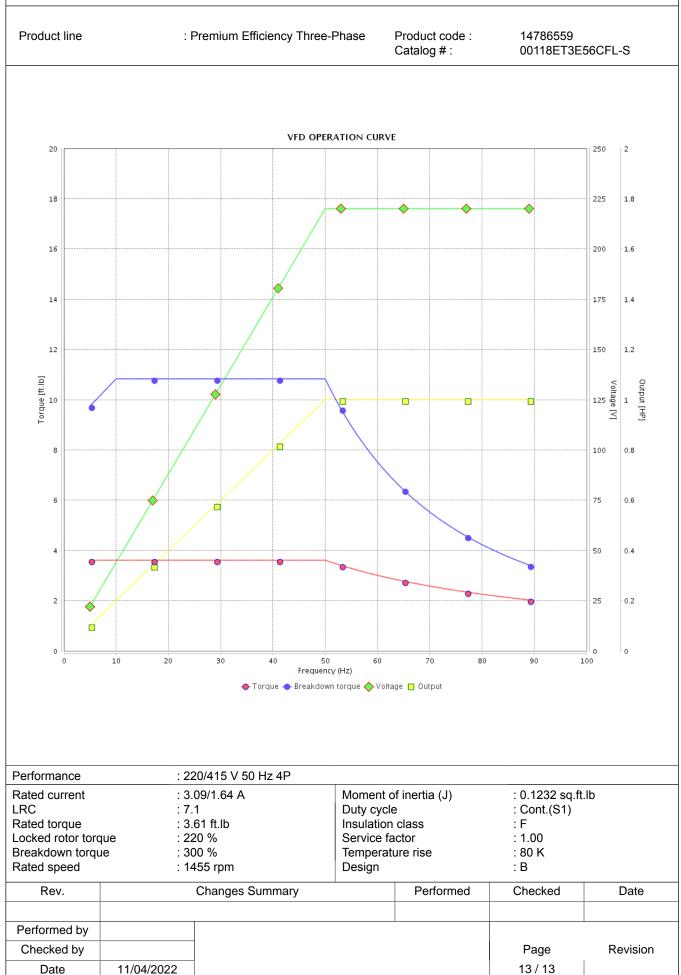
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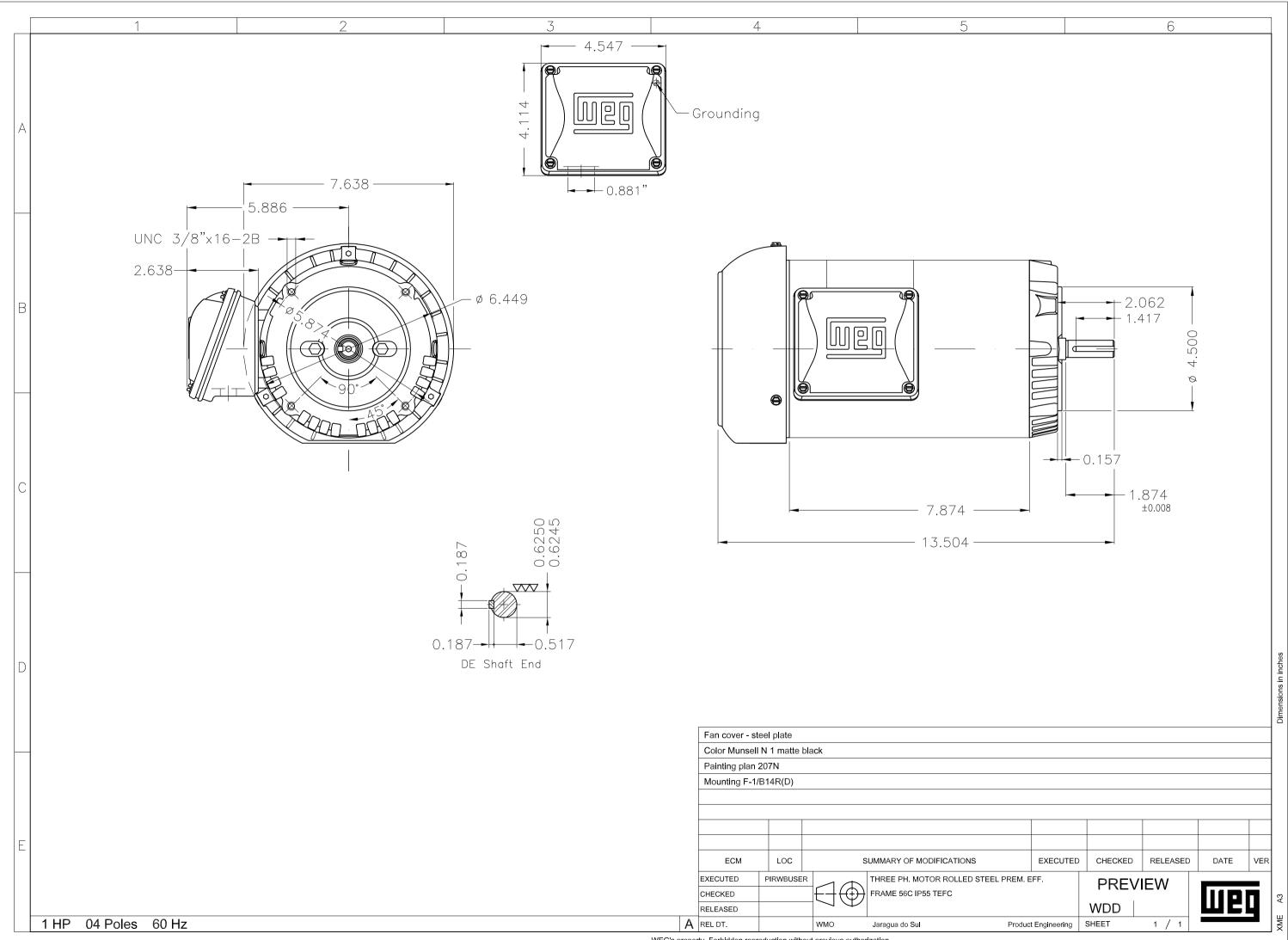
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CONTERNATION CONTRACTOR CONTRACTO	For 60H2: Class I, Zone 2, IIC Class I, DIV.2, Gr. A,B,C,D - T3 DIN 2 Inverter Duty (5F1.00) CT 2:1/VT 1000:1	3 MZ 50 NM 1.0 1.0 FT CONT V 230/460 V 230/460 TC CONT V 230/460 SFA 3.39/1.69 FL 000 m.a.st. F55 3.39/1.69 SFA 3.39/1.69 FL 000 m.a.st. F55 SFA 3.39/1.69 SFA 3.39/1.69 FL 000 m.a.st. F5 3.81.69 SFA 3.39/1.69 SFA 3.39/1.69 FL 000 m.a.st. F5 SFA 3.39/1.69 SFA 3.39/1.69 ABLE @ 20V 3.25A RPM 175 SFA 3.30/1.69 SFA SFA ABLE @ 20V 3.25A NOM.ET B.75 NOM.ET SF.5% SFA ABLE @ 20V 3.25A NOM.ET B.75 NOM.ET SF.400 SFA ABLE @ 20V 3.25A NOM.ET B.75 NOM.ET SFA SFA SFA ABLE @ 20V 3.25A NOM.ET B.70 14 15 16 17 17 B.204.77 T8 T9 T8<	ENDITION eventual vicing unit.
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