DATA SHEET

Three Phase Induction Motor - Squirrel Cage

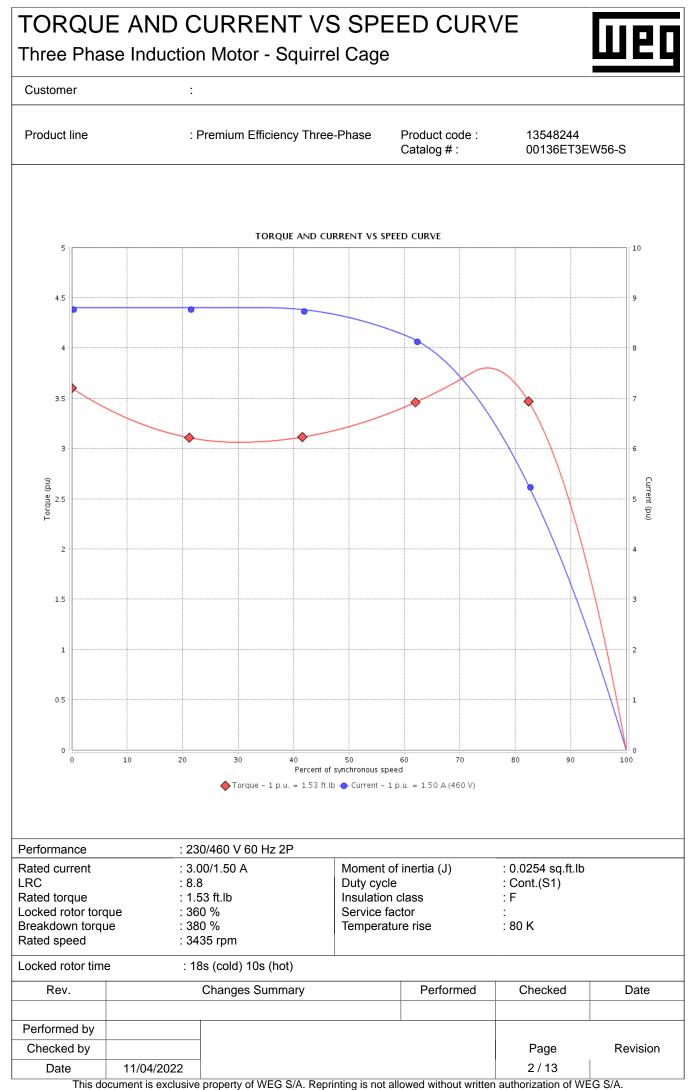
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Product line		: Premium Efficiency Three-Pl	nase Product code : Catalog # :	13548244 00136ET3EW56-S		
Frame		: W56	Cooling method	: IC411 - TEFC		
Insulation class		: W30	Mounting	: F-1		
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW and CCW))	
Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On Line)	
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 21.6 lb		
Protection degre	e	: IP55	Moment of inertia (J)	: 0.0254 sq.ft.lb		
Dutput [HP]		1	1	1		
Poles		2	2	2		
Frequency [Hz]		60	50	50		
Rated voltage [V]		230/460	190/380	220/415		
Rated current [A]		3.00/1.50	3.40/1.70	3.13/1.66		
. R. Amperes [A]		26.4/13.2	22.1/11.0	22.2/11.8		
_RC [A]		8.8x(Code M)	6.5x(Code J)	7.1x(Code K)		
No load current [A		1.60/0.798	1.56/0.781	1.64/0.869		
Rated speed [RPN	/]	3435	2770	2800		
Slip [%]		4.58	7.67	6.67		
Rated torque [ft.lb		1.53	1.90	1.88		
_ocked rotor torqu		360	280	310		
Breakdown torque	e [%]	380	250	280		
Service factor			1.15	1.15		
Temperature rise		80 K	80 K	80 K		
Locked rotor time		18s (cold) 10s (hot)	16s (cold) 9s (hot)	16s (cold) 9s (ho	t)	
Noise level ²		65.0 dB(A)	64.0 dB(A)	64.0 dB(A)		
	25%	72.4	78.4	76.7		
Efficiency: (0/)	50%	74.0	77.8	76.9		
Efficiency (%)	75%	77.0	79.2	79.2		
	100%	78.5	77.8	78.7		
	25%	0.38	0.43	0.39		
Dower Fester	50%	0.63	0.70	0.65		
Power Factor	75%	0.75	0.81	0.78		
	100%	0.80	0.86	0.83		
		Drive end Non drive end	Foundation loads			
Bearing type	:	6203 ZZ 6202 ZZ	Max. traction	: 40 lb		
Sealing		V'Ring Without	Max. compression	: 62 lb		
e		Bearing Seal		· ·*		
Lubrication interv	val					
Lubricant amour						
Lubricant type	:	Mobil Polyrex EM				
Notes						
USABLE @208V	' 3.32A SF 1.0	0 SFA 3.32A				
		cel the previous one, which		based on tests with sinusoid		
must be eliminate				ne tolerances stipulated in N	EM	
(1) Looking the m			MG-1.			
		plerance of +3dB(A).				
(3) Approximate \		to changes after				
manufacturing pro (4) At 100% of ful						
Rev.		Changes Summary	Performed	Checked Dat	te	
Performed by						
-						
Checked by				Page Revis	sion	
Date	11/04/2022			1 / 13		
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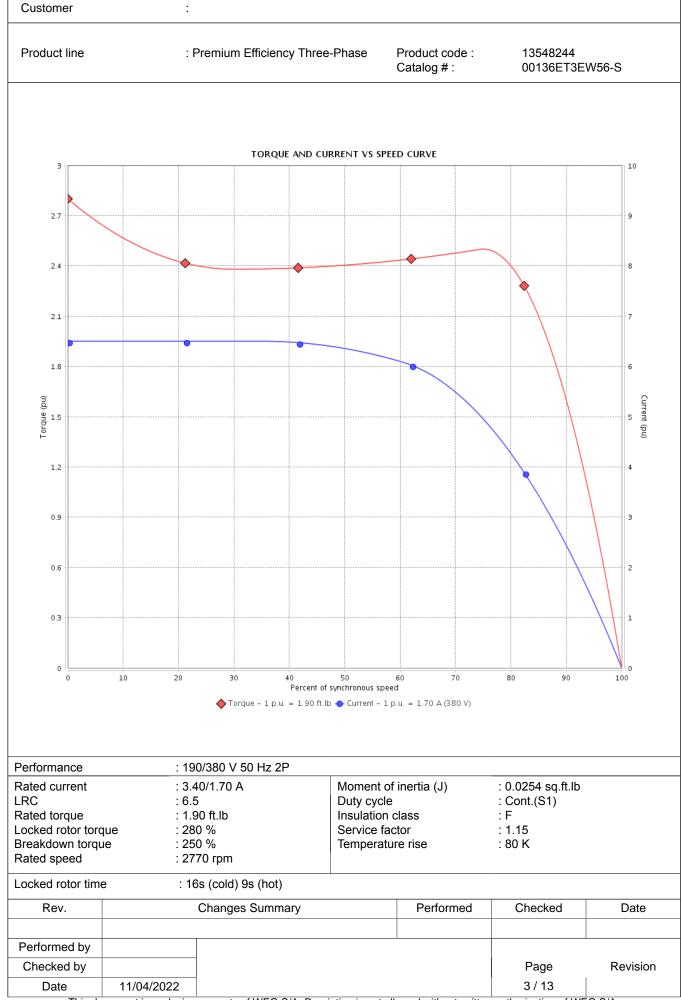




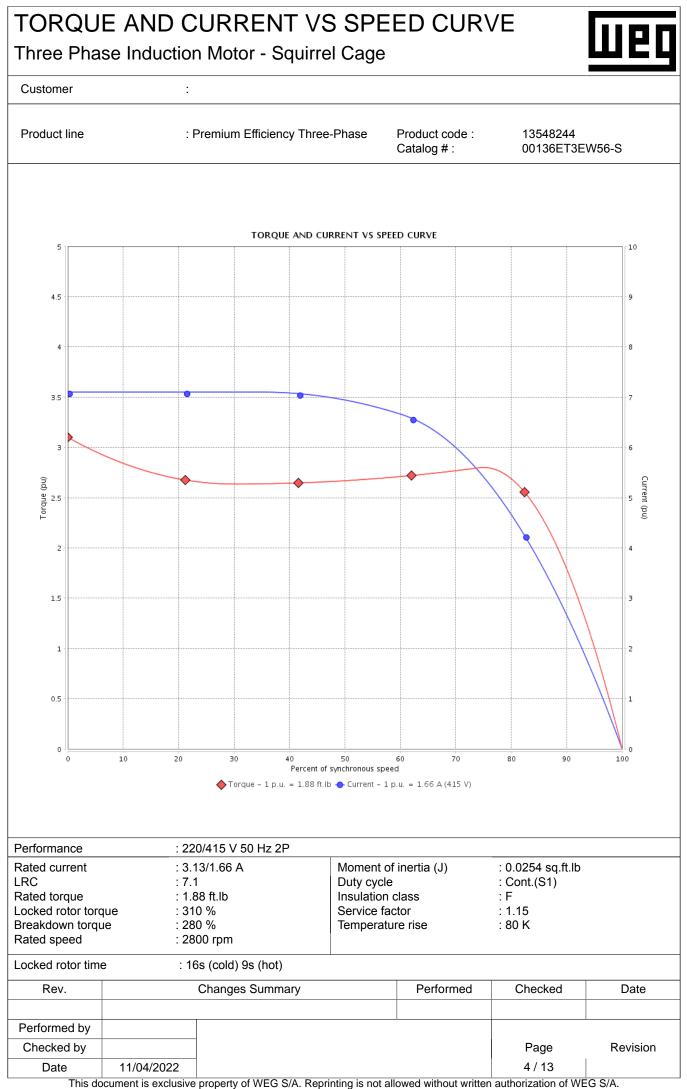
TORQUE AND CURRENT VS SPEED CURVE

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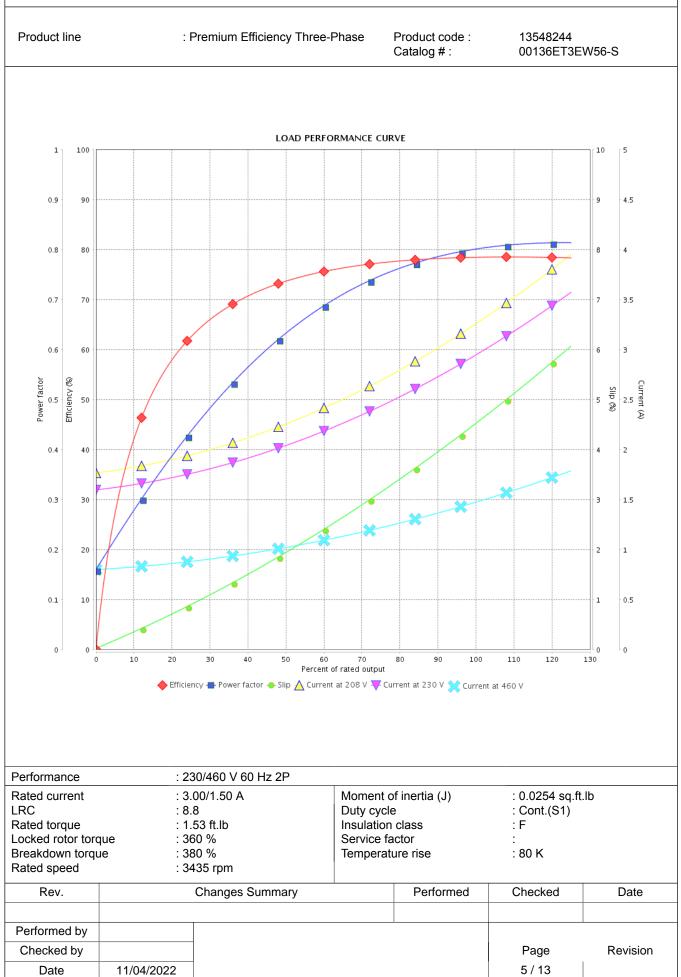
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LOAD PERFORMANCE CURVE

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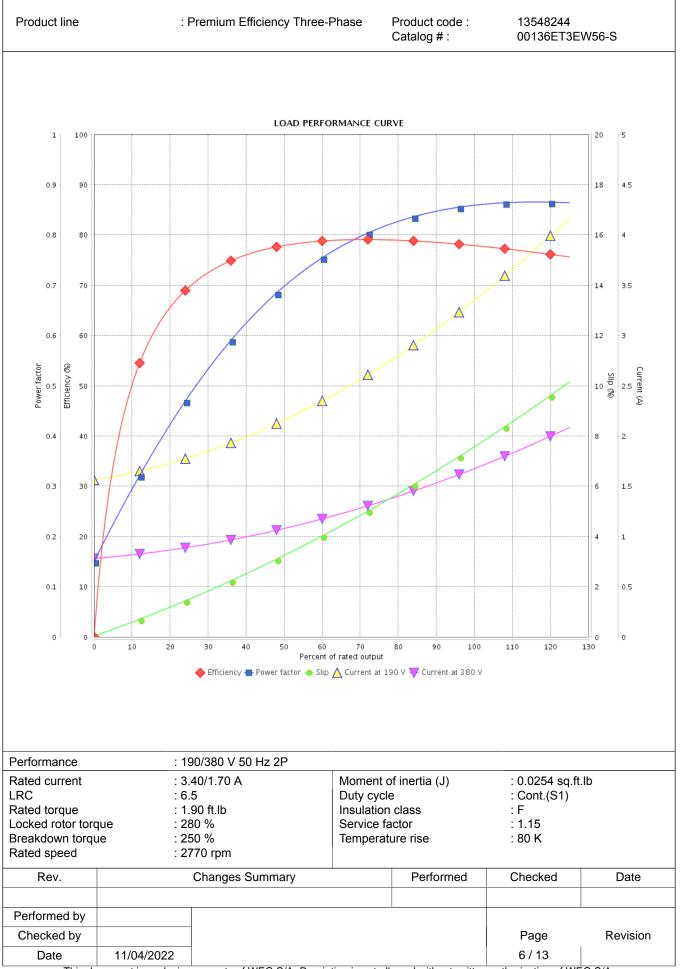
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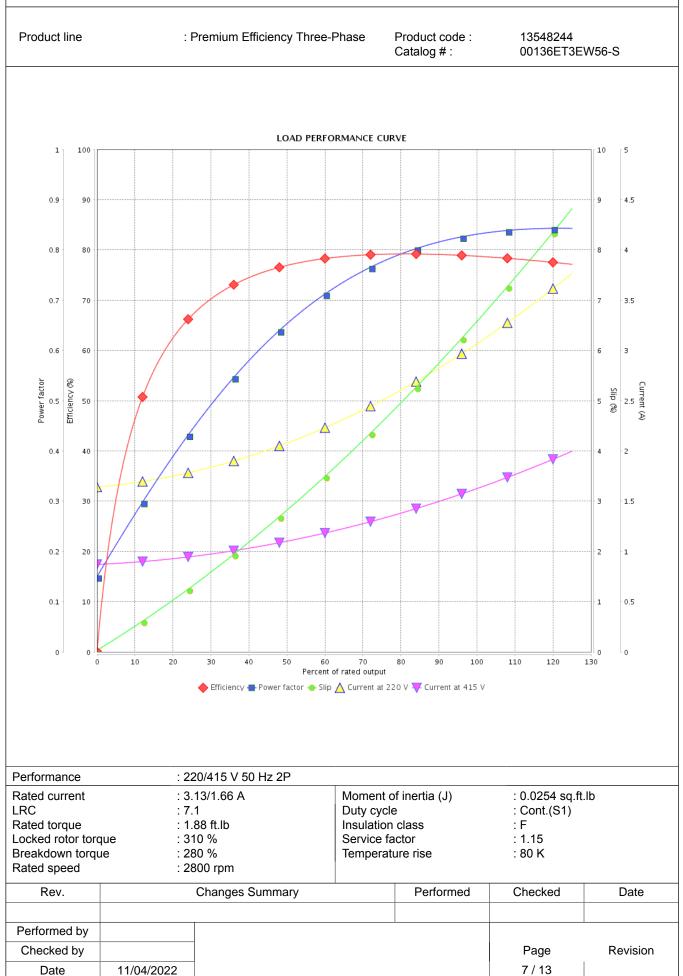
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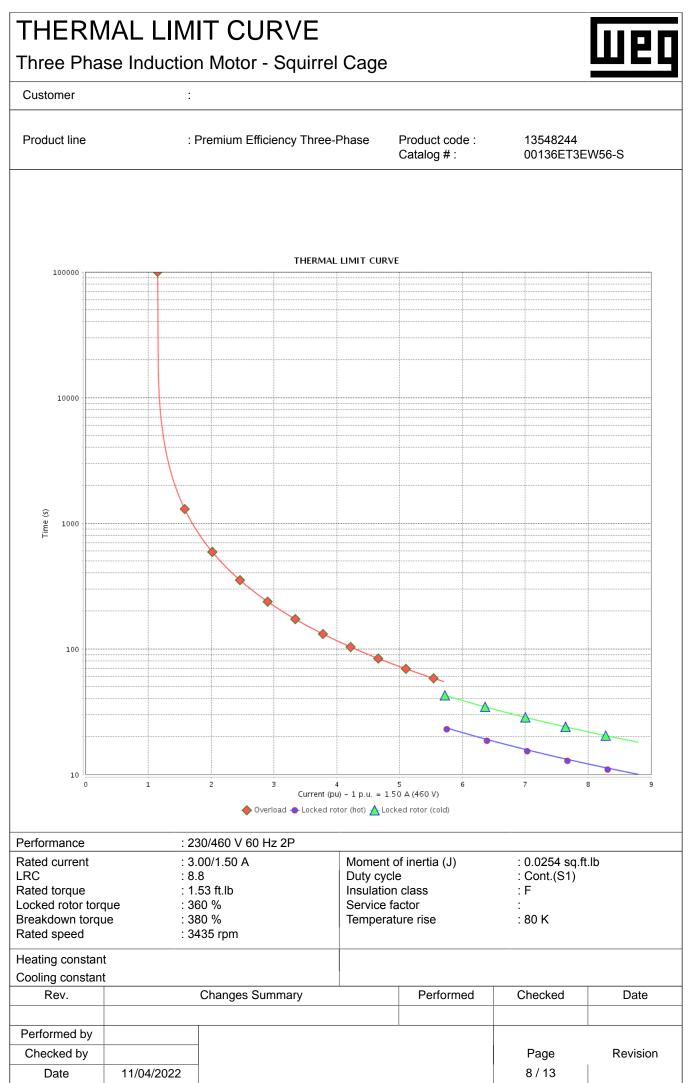
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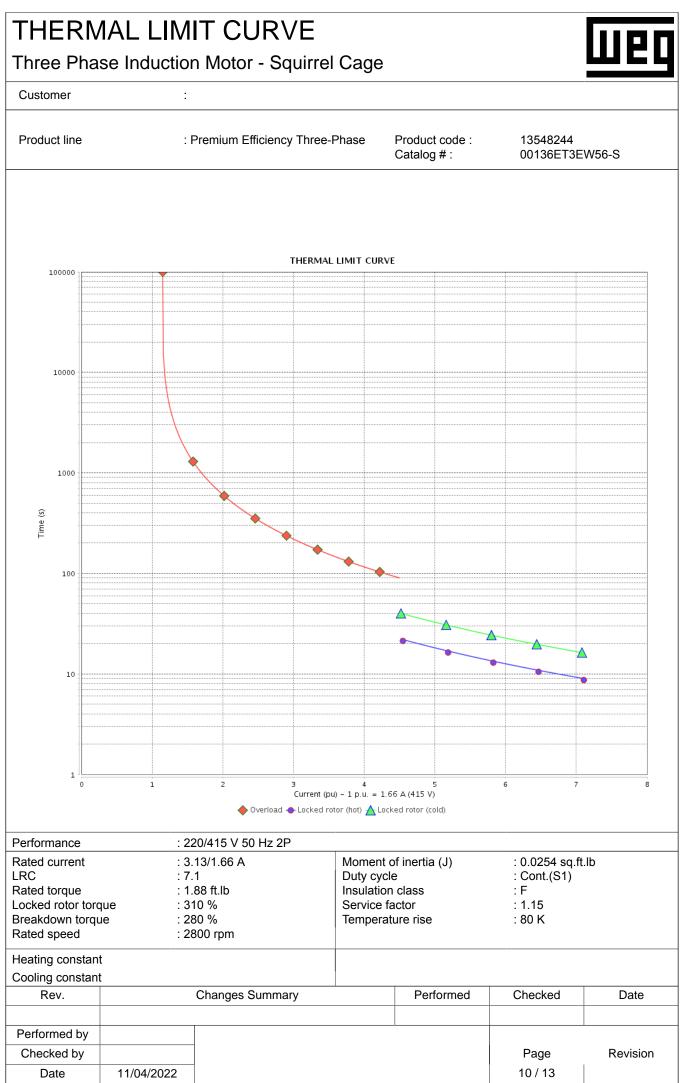
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Product line	: Premium Efficiency Three-Phase		Product code : Catalog # :	13548244 00136ET3E\	V56-S
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1000	X				
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1	1 2	3	4 5	6	
Ū		J Current (pu) – 1 p.u. = ⊢Locked rotor (hot) 🛕	1.70 A (380 V)	ŭ	,
rformance	: 190/380 V 50 Hz 2P				
ted current	: 3.40/1.70 A : 6.5	Momer Duty c	nt of inertia (J) /cle	: 0.0254 sq.ft. : Cont.(S1)	b
ited torque	: 1.90 ft.lb	Insulat	on class	: F	
cked rotor torque eakdown torque ited speed	: 280 % : 250 % : 2770 rpm		e factor rature rise	: 1.15 : 80 K	
ating constant					
oling constant Rev.	Changes Summar		Performed	Checked	Date

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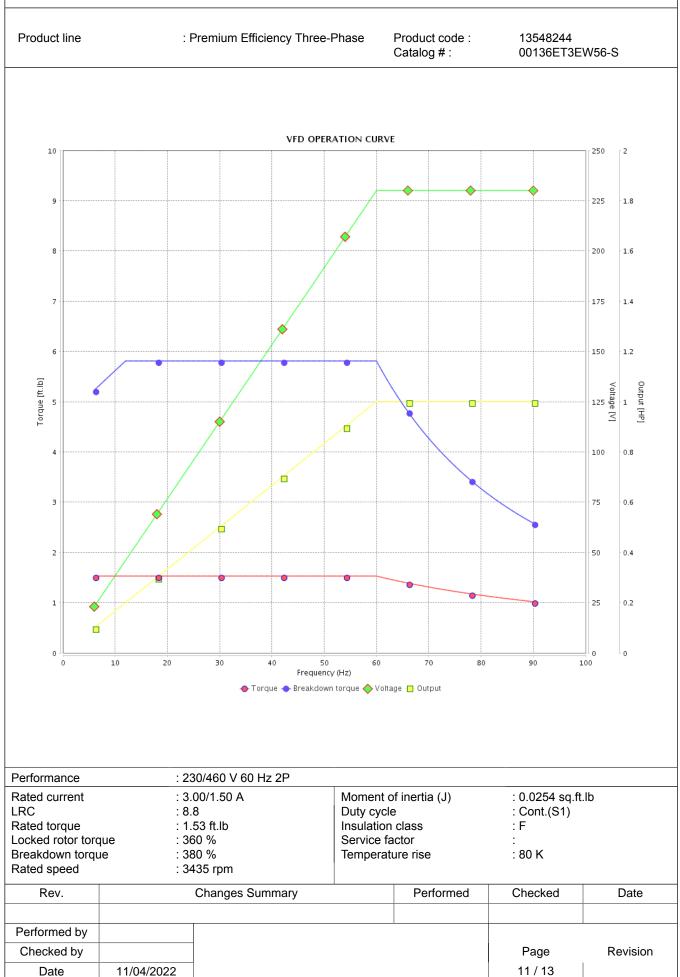
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VFD OPERATION CURVE

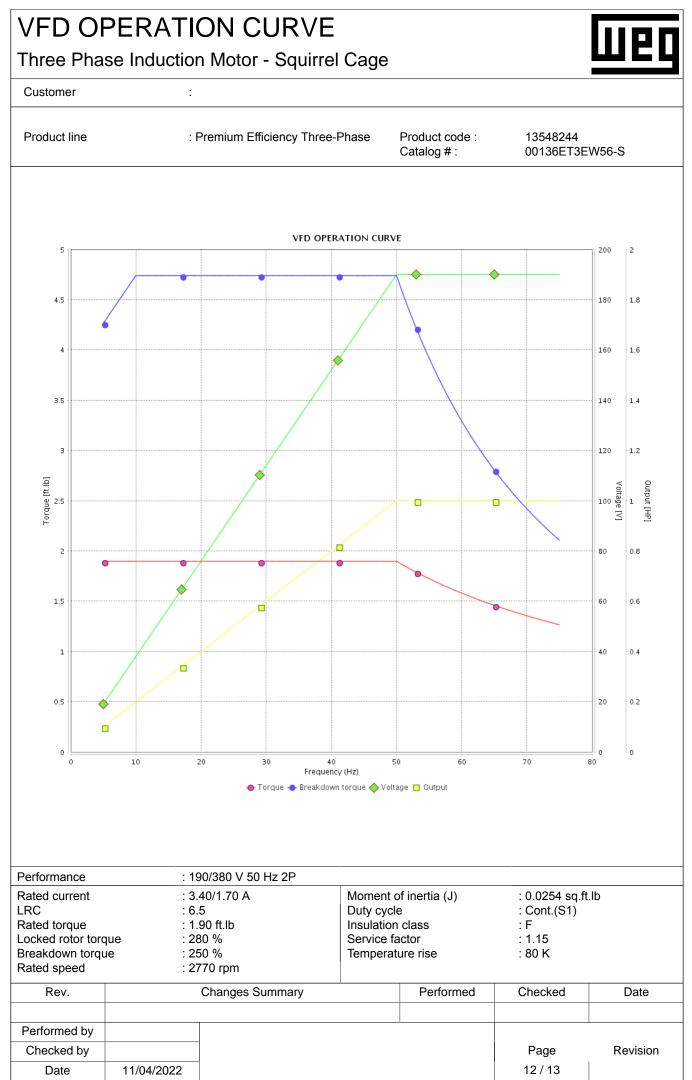
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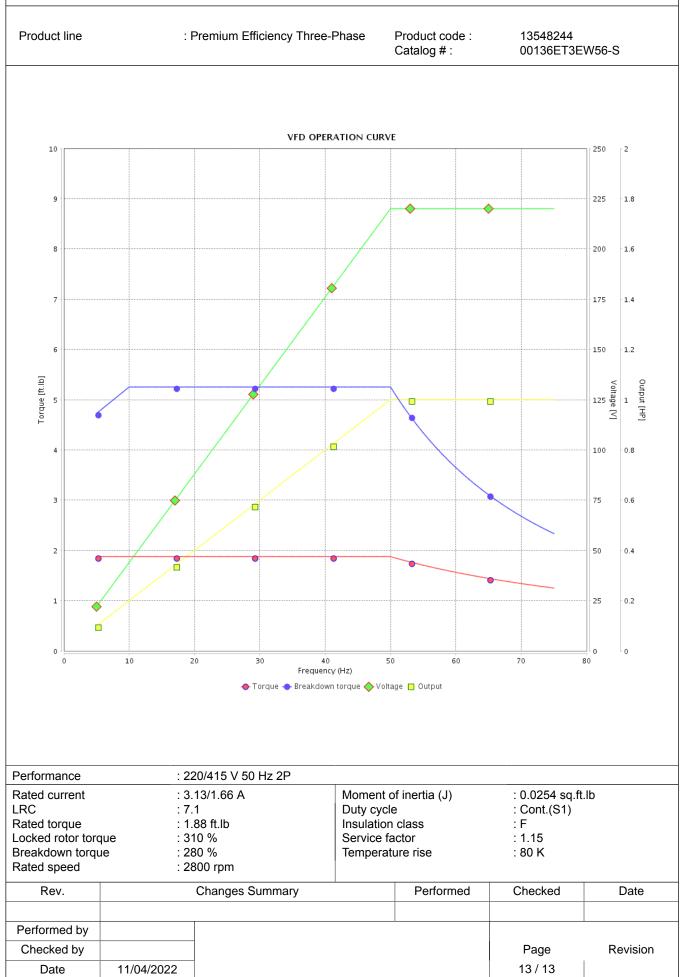
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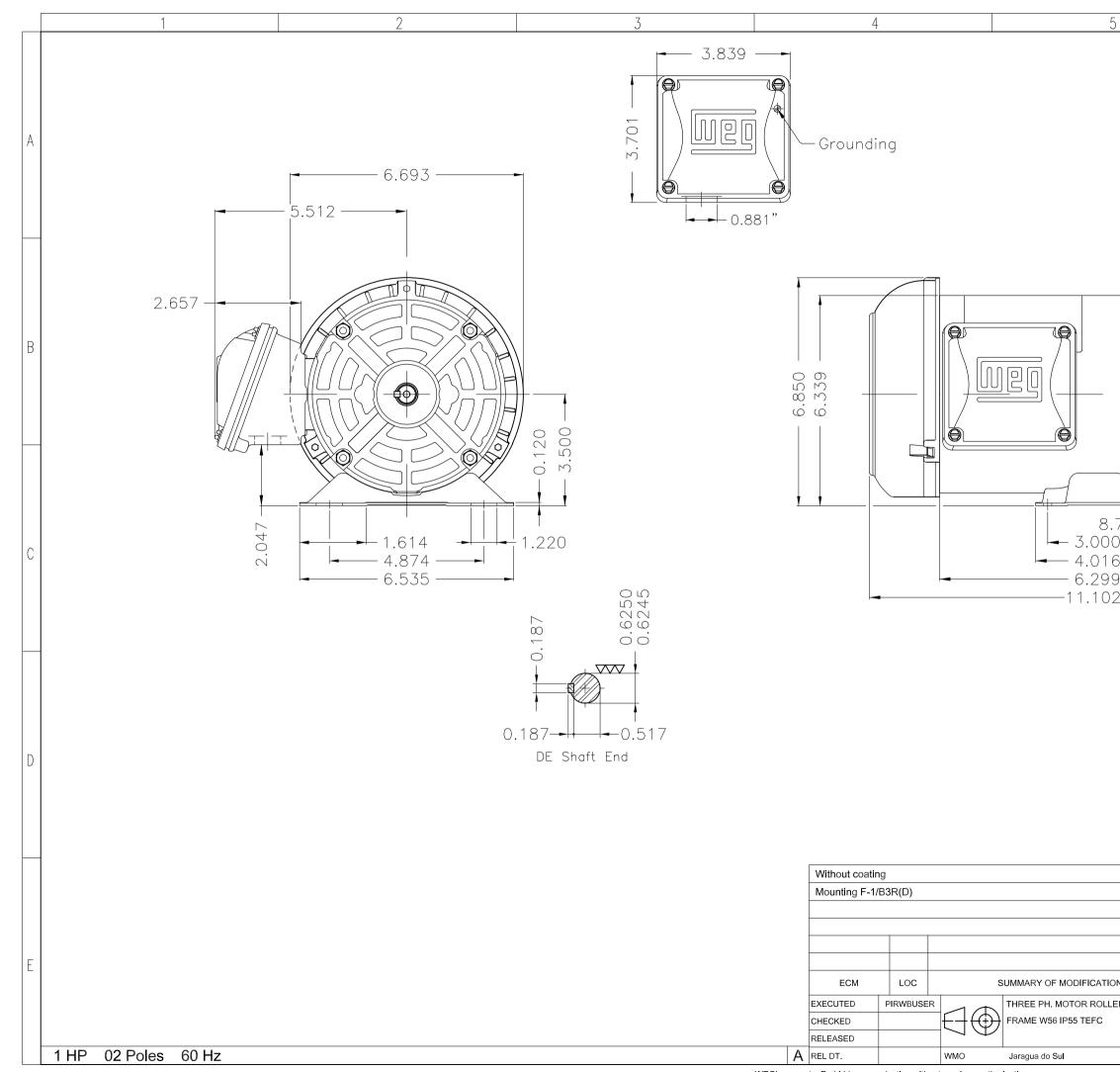
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			417			Dimensions in inches
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LLED STEEL PREM. E					<u> </u>	
		PREVI		Ше		E A3
Product	t Engineering	SHEET	1 / 1			XME
						,

COULDI 1379 FOR SAFE AREA	For 60Hz: Class I, Zone 2, IIC Class I, DIV2, G.A. AB, C, D- T3 DIV 2 Inverter Duty (5F1.00) CT 2:1YUT 1000:1	West MZ B0 NM 1.0 West West V 200-320460 TY CONT V 200-320450 B 40°C DES ALLE SPA 333-451/172 323-451/172 ALGLIFFIC CODE Nemerry 733-451/172 ALGLE SPA 145 345 345 ALLE 200-1580 Nemerry 73-451/172 ALGLE CODE Nemerry 73-451/172 ALGLE DE ACH 75 15 ALLE ACOS Nemerry 73-54 17 ACOS Nemerry 73-54 17 17 17 ACOS ACH 7 7 7 17 17 17 17 17 17	La Carlo Car
	MADE IN BRAZIL MAT: 13548244 WO1.TEDICOXOX MODEL 00136FT3EW56-S 06APF2022 B/N:	FR 3 Inz 50 WP 1. DUTY CONT. 0.017 0.011	MITERCHARGE ANY TWO LINE WREES TO REVERTE THE ROTATION MARNING: MATOR LINE WREES TO REVERTE THE ROTATION WARNING: MATOR LINE WREES TO REVEALE HEAD AND THE ROTATION AND AND AND AND AND AND AND AND AND AND