DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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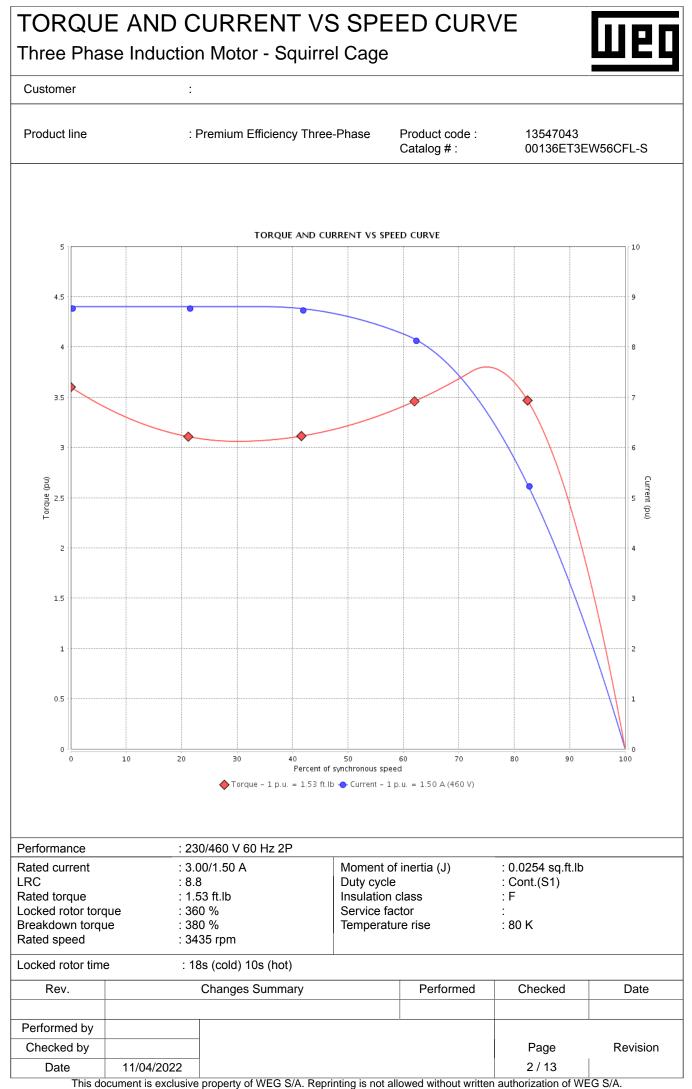


Frame Insulation class Duty cycle Ambient temperat Altitude Protection degree Output [HP] Poles		: W56C : F : Cont.(S1) : -20°C to +40°C	Cooling method Mounting Rotation ¹	: F-1	-	
Protection degree Output [HP]		: 1000 m.a.s.l.	Starting method Approx. weight ³	: Direct On I : 20.8 lb	: Both (CW and CCW) : Direct On Line	
	i.	: IP55	Moment of inertia (J)	: 0.0254 sq.ft.lb		
Poles		1	1		1	
		2	2		2	
Frequency [Hz]		60	50		50	
Rated voltage [V]		230/460	190/380		20/415	
Rated current [A]		3.00/1.50	3.40/1.70		3/1.66	
L. R. Amperes [A]		26.4/13.2	22.1/11.0		.2/11.8	
LRC [A]		8.8x(Code M)	6.5x(Code J)		(Code K)	
No load current [A]	1	1.60/0.798	1.56/0.781		4/0.869	
Rated speed [RPM]]	3435	2770		2800	
Slip [%] Rated torque [ft.lb]		4.58 1.53	7.67		6.67 1.88	
Rated torque [ft.lb] Locked rotor torque	10/1	1.53	1.90		1.88 310	
		360	280		280	
Breakdown torque Service factor	70]	360	1.15		280 1.15	
Temperature rise		80 K	80 K		1.15 80 K	
Locked rotor time		18s (cold) 10s (hot)	16s (cold) 9s (hot)		ou n old) 9s (hot)	
Noise level ²		65.0 dB(A)	64.0 dB(A)		0 dB(A)	
	25%	72.4	78.4		76.7	
-	50%	72.4	77.8		76.9	
Efficiency (%)	75%	77.0	79.2		76.9	
-	100%	78.5	77.8		78.7	
	25%	0.38	0.43		0.39	
_ _	50%	0.63	0.70		0.65	
Power Factor	75%	0.75	0.81		0.78	
	100%	0.80	0.86		0.83	
Bearing type Sealing		Drive end 6203 ZZNon drive end 6202 ZZ:V'RingWithout Bearing Seal	Max. traction Max. compression	: 41 lb : 62 lb		
Lubrication interva Lubricant amount Lubricant type		: : : Mobil Polyrex EM				
Notes USABLE @208V 3	3.32A SF 1.(00 SFA 3.32A				
must be eliminated (1) Looking the mo (2) Measured at 1r (3) Approximate we	d. otor from the n and with to eight subjec cess.	olerance of +3dB(A).	These are average value power supply, subject to t MG-1.			
manufacturing proc (4) At 100% of full			L			
		Changes Summary	Performed	Checked	Date	
(4) At 100% of full		Changes Summary	Performed	Checked	Date	
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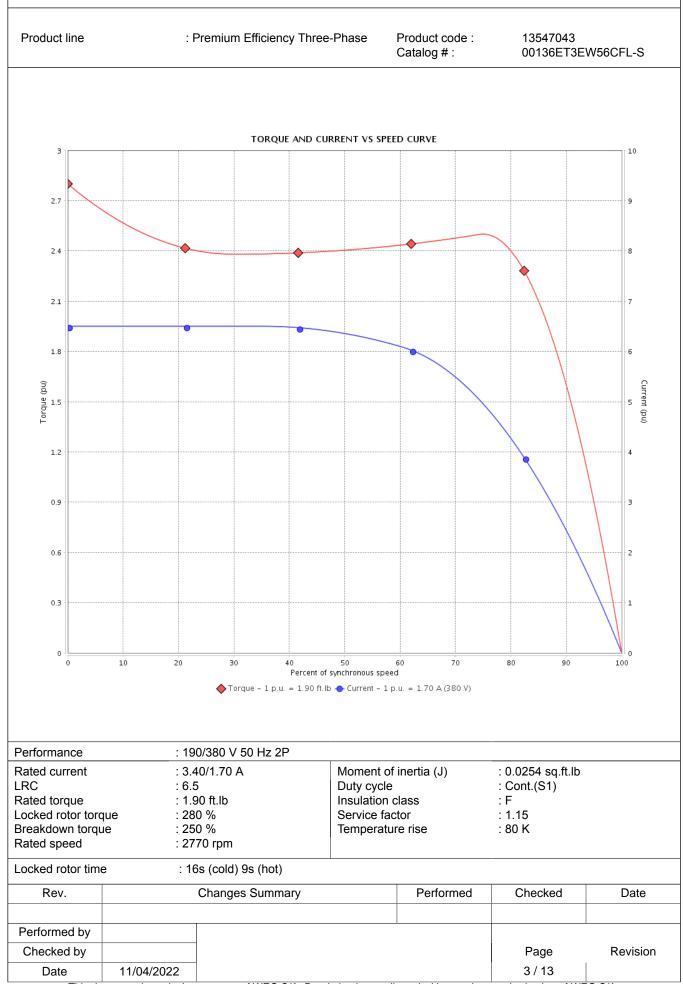
Subject to change without notice

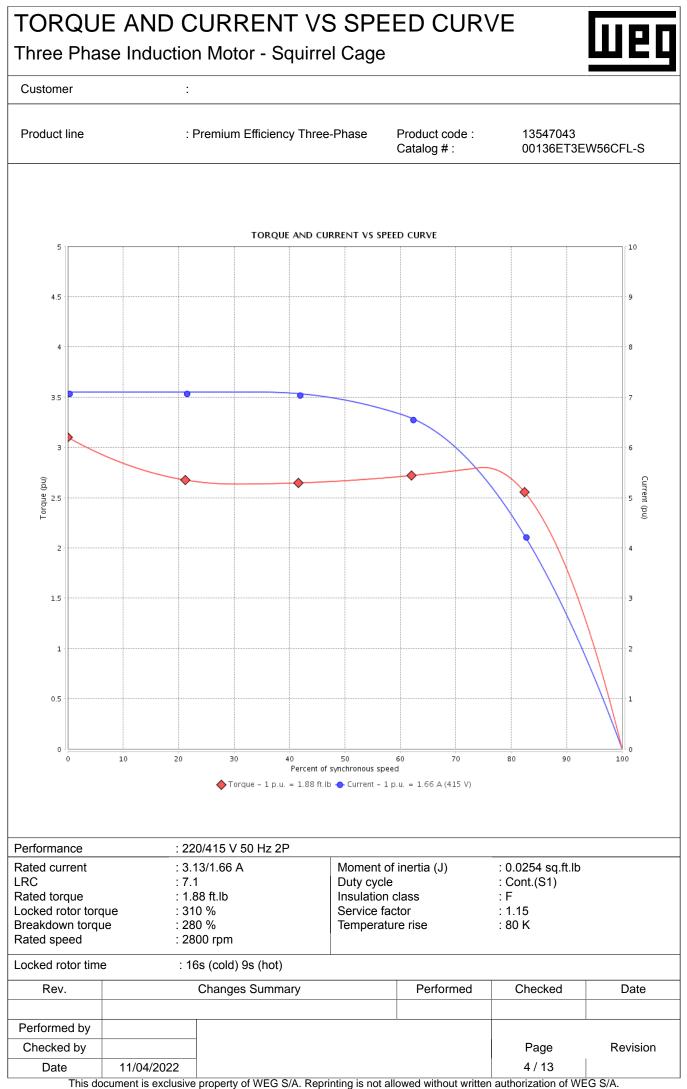
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer





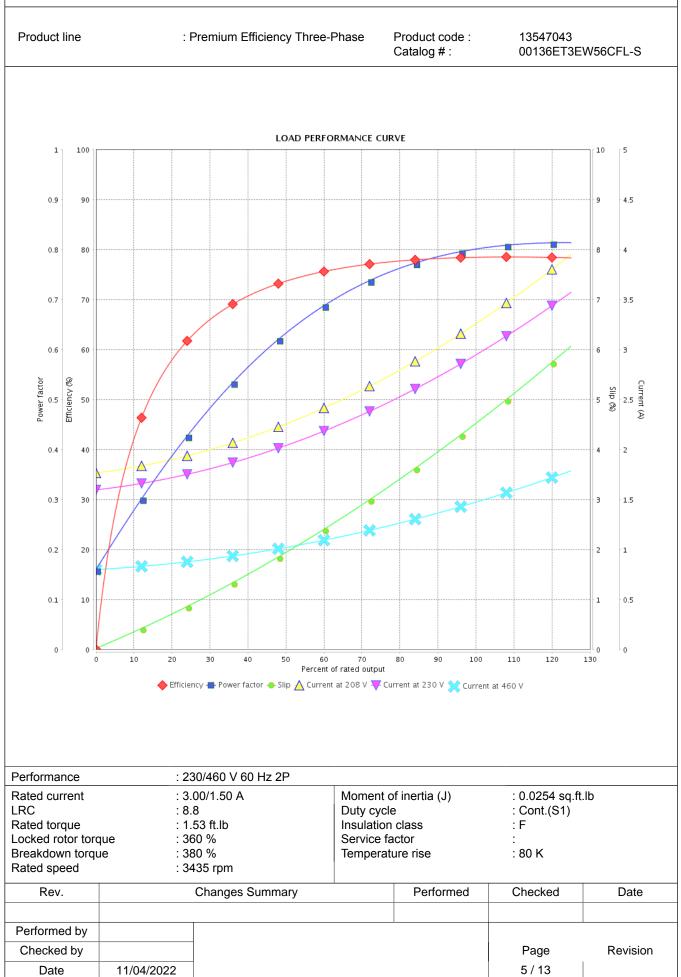
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LOAD PERFORMANCE CURVE

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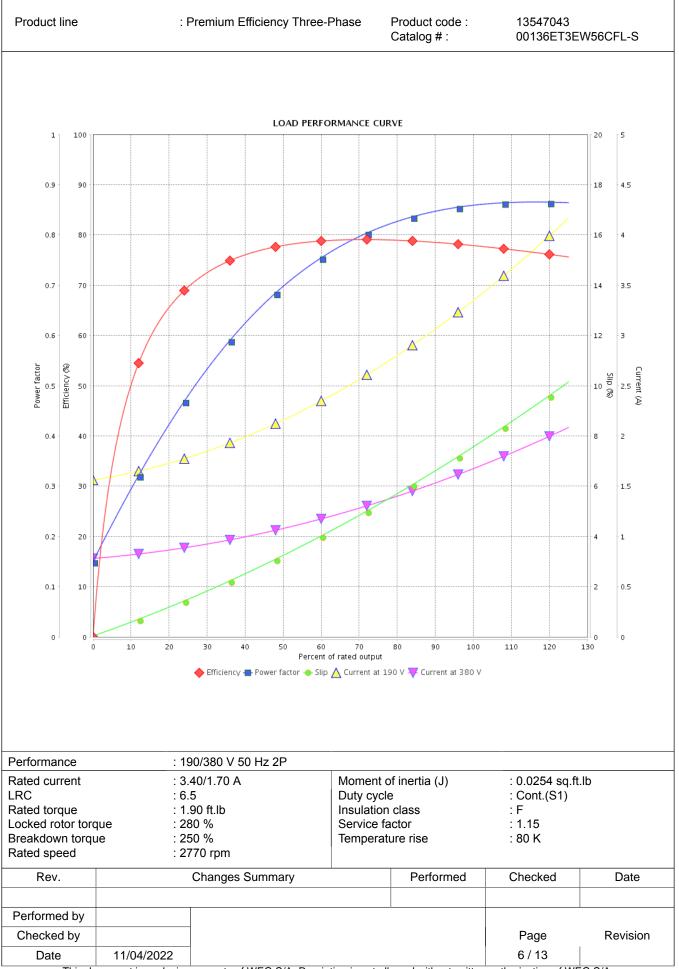
LOAD PERFORMANCE CURVE

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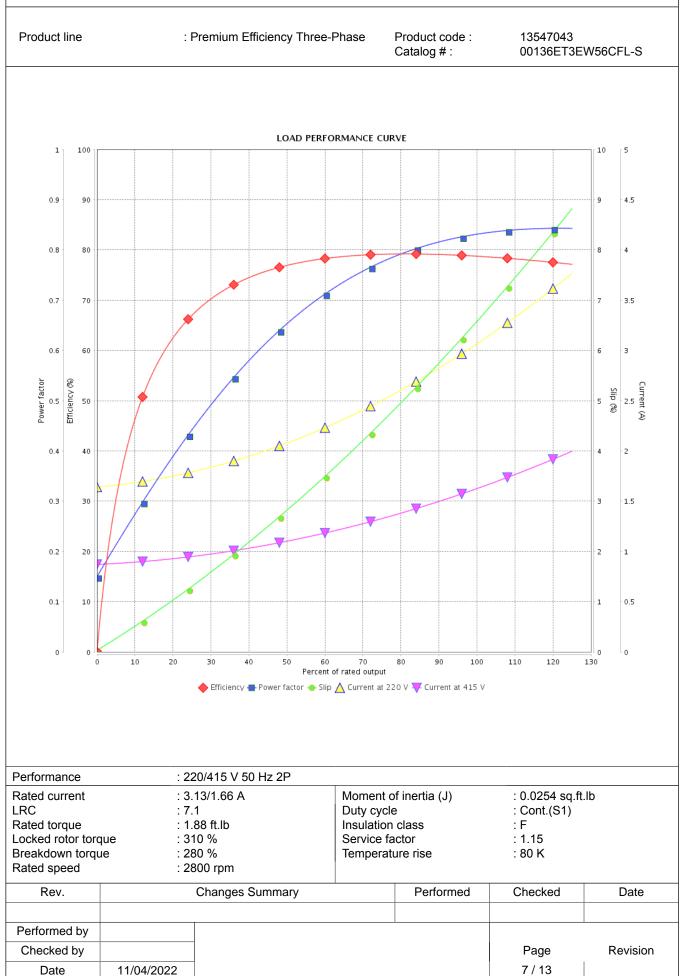


LOAD PERFORMANCE CURVE

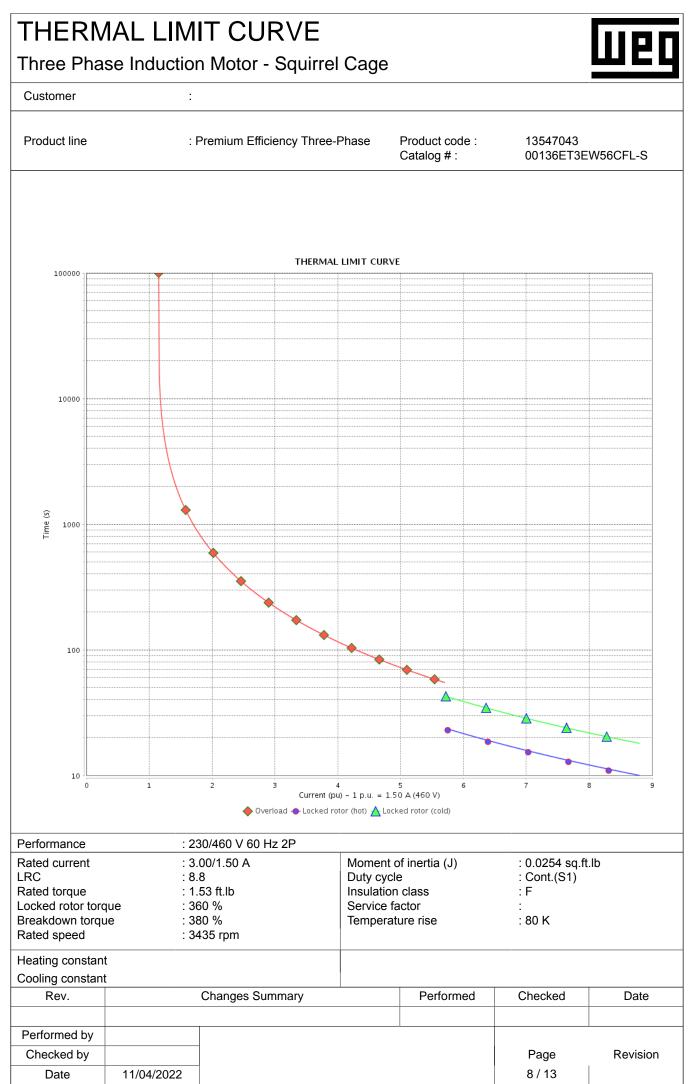
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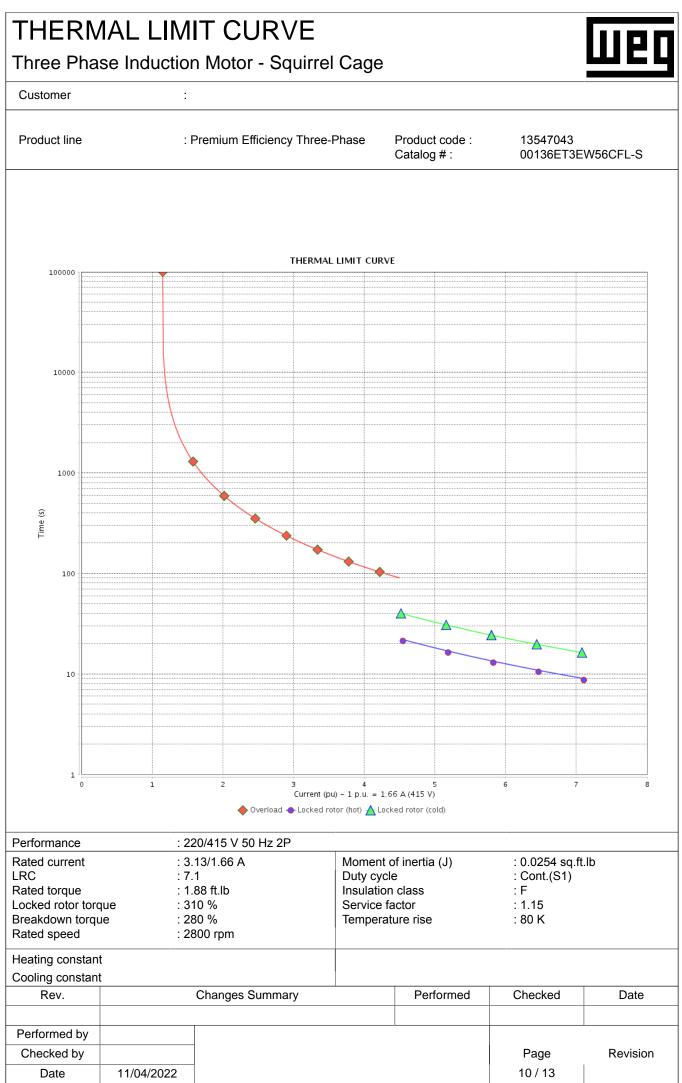
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	5	6 7	
Current (pu) - 1 p.u. = 1.70 A (380 V) Overload - Locked rotor (hot) Locked rotor (cold)			
erformance : 190/380 V 50 Hz 2P			
ated current : 3.40/1.70 A Moment of inertia (J)	: 0.0254		
RC: 6.5Duty cycleated torque: 1.90 ft.lbInsulation class		: Cont.(S1) : F : 1.15	
ocked rotor torque : 280 % Service factor			
reakdown torque : 250 % Temperature rise ated speed : 2770 rpm	: 80 K		
eating constant			
ooling constant Rev. Changes Summary Perform	ned Checked	d Date	



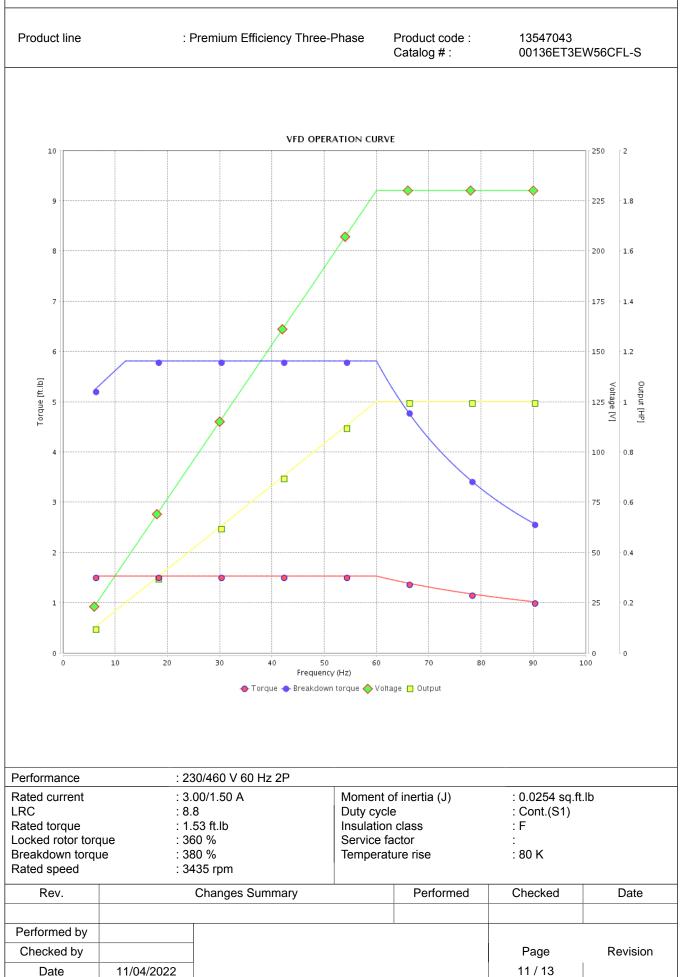
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VFD OPERATION CURVE

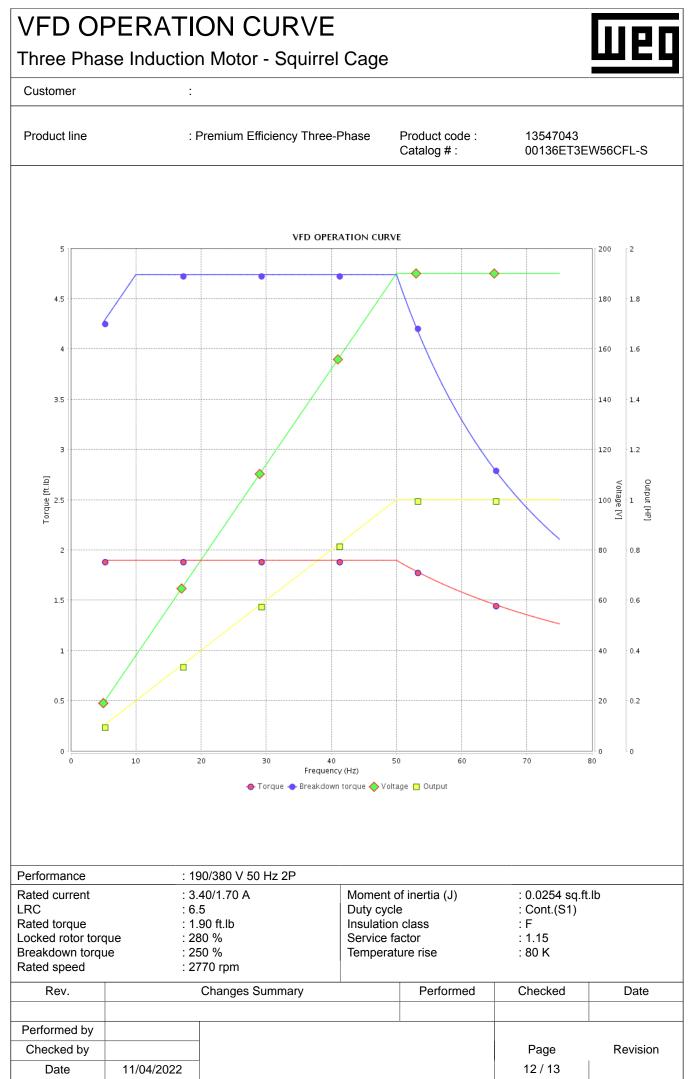
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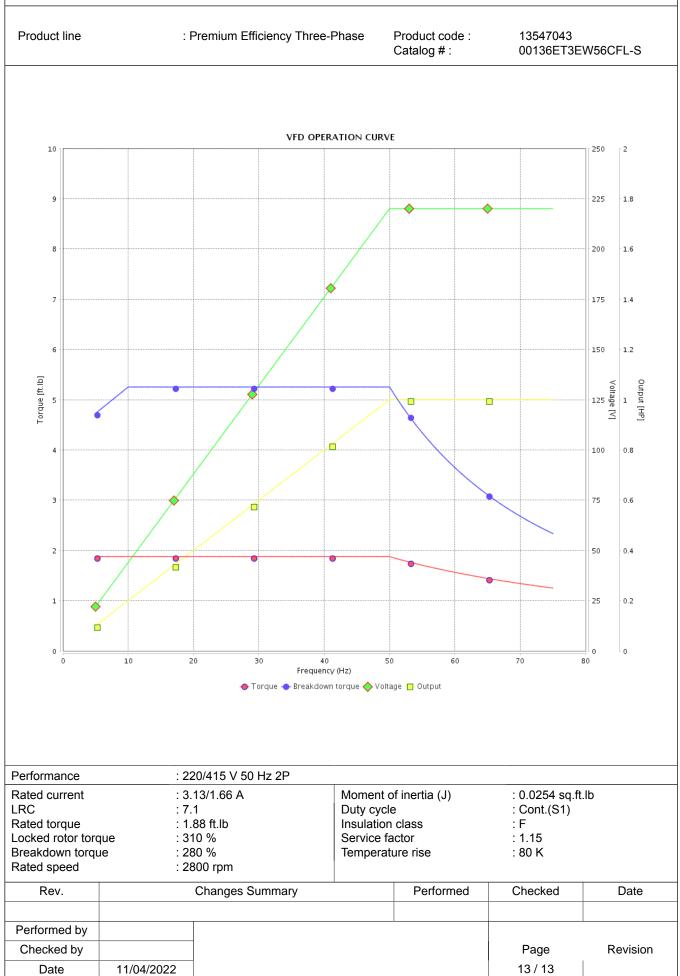
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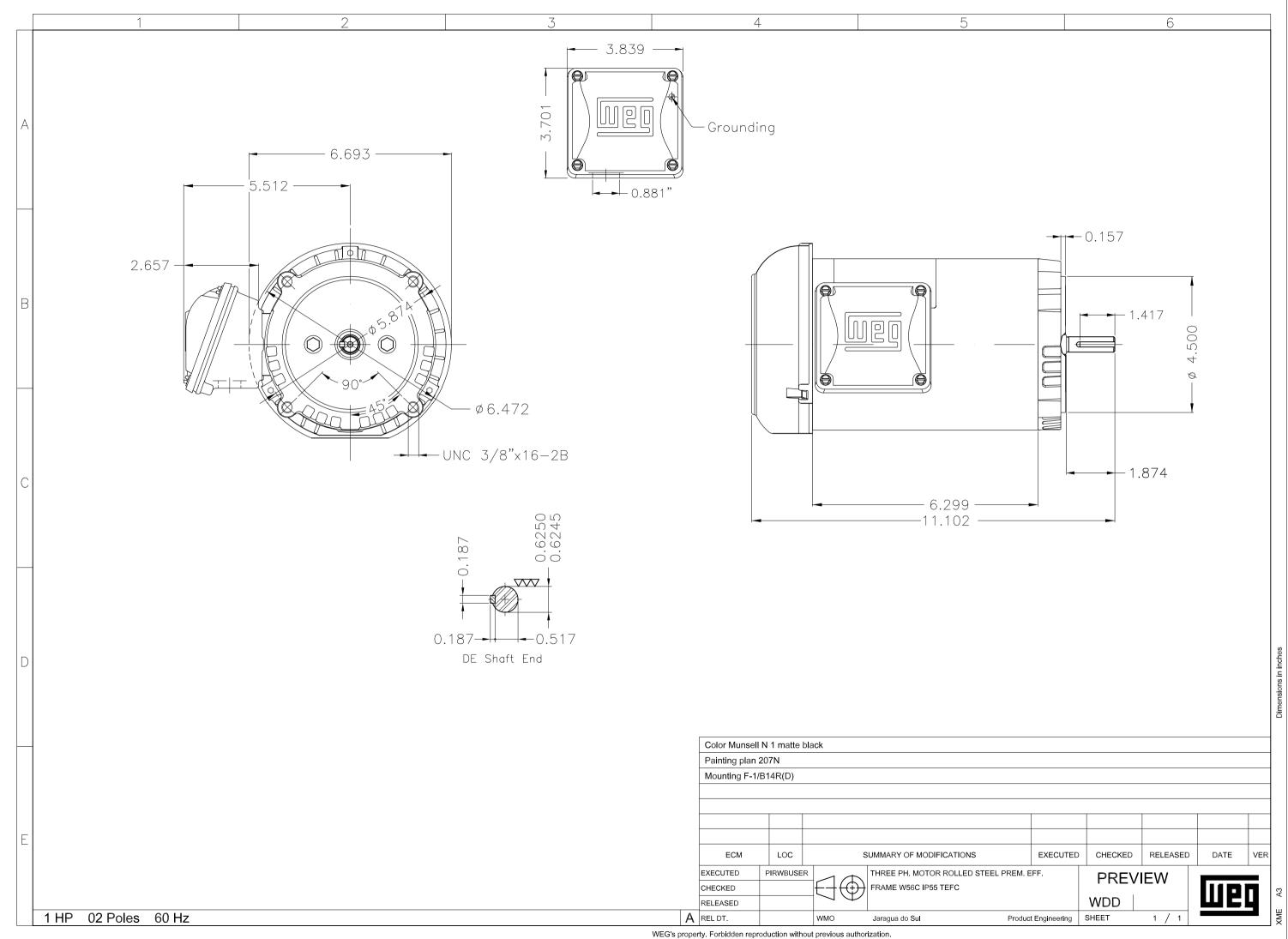
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COULD LIFTED COURSE	For 60Hz: Class I, Zone 2, IIC Class I, DIVZ, G. A.B.C.D 73 DIV 2 Inverter Duty (5F1.00)	West West Tr Total Columnation (Columnation) Total (Columnation) Total (Columnation) <thtotalisited is="" its="" its<="" th=""><th>1 12 13 Reverse Tenton In according with load to be actual and the second actual and the second actual and the second actual actual actual tenne actual actual tenne actual actual actual actual tenne actual</th></thtotalisited>	1 12 13 Reverse Tenton In according with load to be actual and the second actual and the second actual and the second actual actual actual tenne actual actual tenne actual actual actual actual tenne actual
	MADE N BRAZIL MAT: 13547043 WO1. FEDICOXOX MODEL 00136FT3EW56CFL-S 12APR2022 B/N.	FR 3 Int out W<	YY L1 L2 L3 Y L1 L2 L3 MARNING, MAON TIMO LING WIRET THE ROYATON MARNING, MAON TIMO LING WIRET DE ROYATON MARNING, MAON TIMO LING WIRET DE ROYATON MARNING, MAON TIMO LING WIRET THE ROYATON MARNING, MAON TIMO LING WIRET THE ROYATON MARNING, MAON TIMO LING WIRET MARNING, MAON TIMO LING WIRET MAON TIMO LING WIRET MARNING, MAON TIMO LING WIRET MANNING WIRET MARNING, MAON TIMO LING WIRET MARNING WIRET MARNING WIRET MANNING WIRET MANNING WIRET MANNING WIRET MANNING WIRET MANNING WIRET MANNING WIRET MANNING W