DATA SHEET

Three Phase Induction Motor - Squirrel Cage

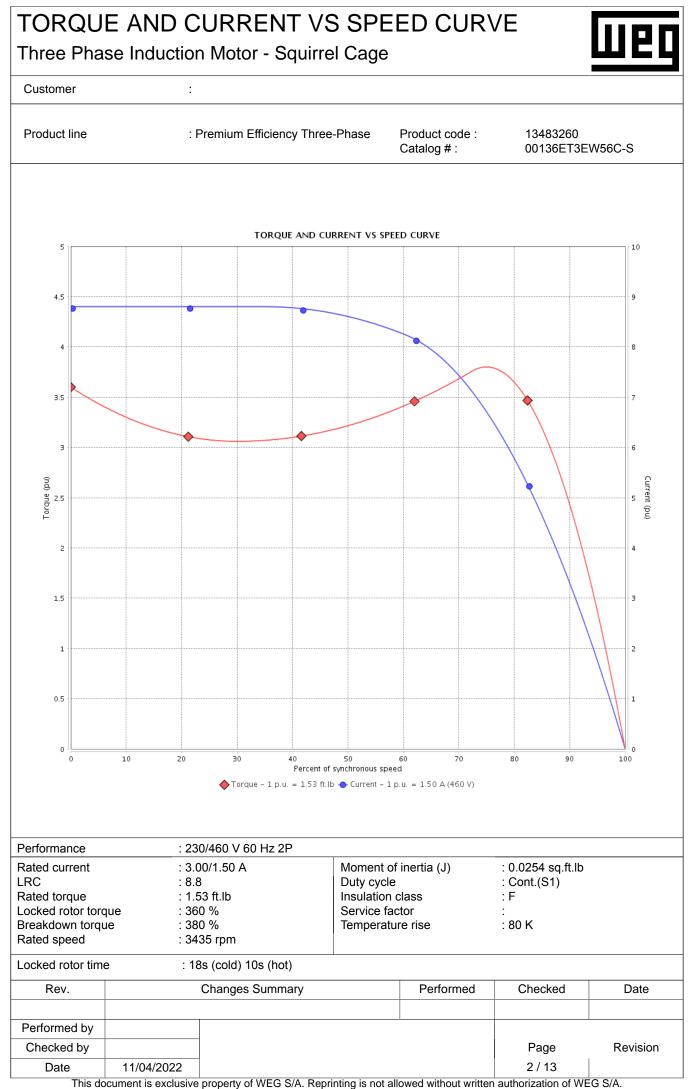
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Product line		: Premium Efficiency Three-Pt	nase Product code : Catalog # :	13483260 00136ET3EW56C-S	
Frame Insulation class		: W56C : F	Cooling method Mounting	: IC411 - TEFC : F-1	
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW and CCW)	
Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 22.1 lb	
Protection degre	е	: IP55	Moment of inertia (J)	: 0.0254 sq.ft.lb	
Output [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	
L. R. Amperes [A]		26.4/13.2	22.1/11.0 22.2/11.8		
LRC [A] No load current [A	1	8.8x(Code M)	6.5x(Code J)	7.1x(Code K)	
No load current [A Rated speed [RPN		1.60/0.798 3435	1.56/0.781 2770	1.64/0.869	
	vij		7.67	2800	
Slip [%] Rated torque [ft.lb	1	4.58 1.53	1.90	1.88	
Locked rotor torque		360	280	310	
Breakdown torque		380	250	280	
Service factor	[/0]	300	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 (hot)	
Noise level ²		65.0 dB(A)	64.0 dB(A)	64.0 dB(A)	
	25%	72.4	78.4	76.7	
	50%	72.4	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	
	50%	0.63	0.70	0.65	
Power Factor	75%	0.75	0.81	0.78	
	100%	0.80	0.86	0.83	
	1	Drive end Non drive end		1	
Bearing type		: 6203 ZZ 6202 ZZ	Max. traction	: 40 lb	
Sealing		: V'Ring Without	Max. compression : 62 lb		
5		Bearing Seal			
Lubrication interv	val	:			
Lubricant amount		:			
Lubricant type		: Mobil Polyrex EM			
Notes USABLE @208V	3.32A SF 1.	00 SFA 3.32A			
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec ocess.	ncel the previous one, which e shaft end. olerance of +3dB(A). ct to changes after		based on tests with sinusoidal ne tolerances stipulated in NEM	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro-	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A).	power supply, subject to the	based on tests with sinusoidal ne tolerances stipulated in NEM.	
must be eliminate (1) Looking the m (2) Measured at 2 (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). ct to changes after	power supply, subject to the MG-1.	ne tolerances stipulated in NEM.	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). ct to changes after	power supply, subject to the MG-1.	ne tolerances stipulated in NEM. Checked Date	
must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). ct to changes after	power supply, subject to the MG-1.	ne tolerances stipulated in NEM	

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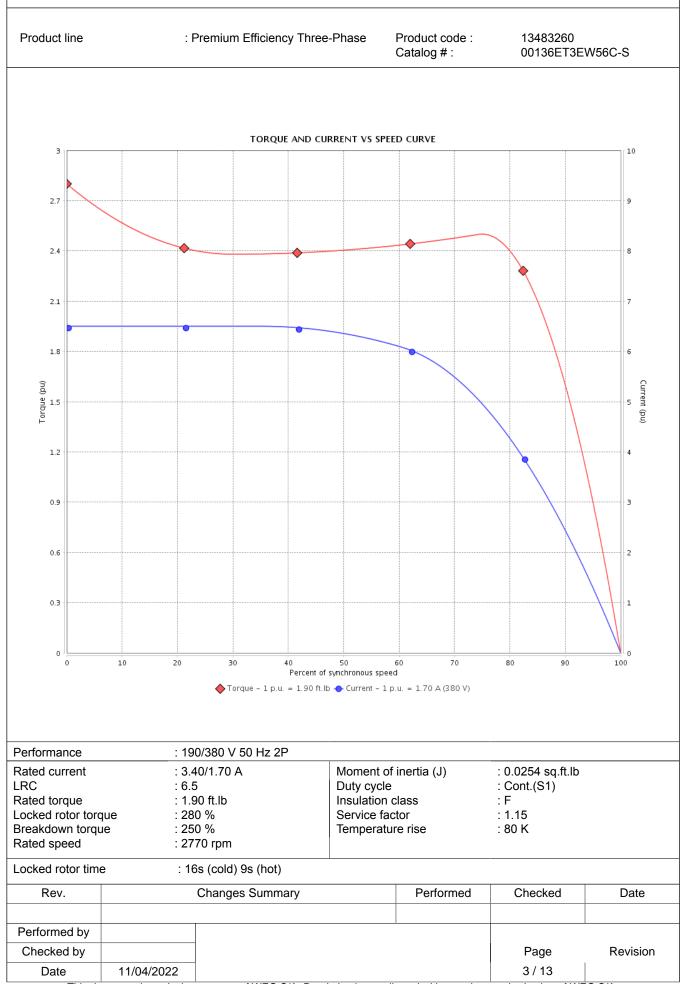
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TORQUE AND CURRENT VS SPEED CURVE

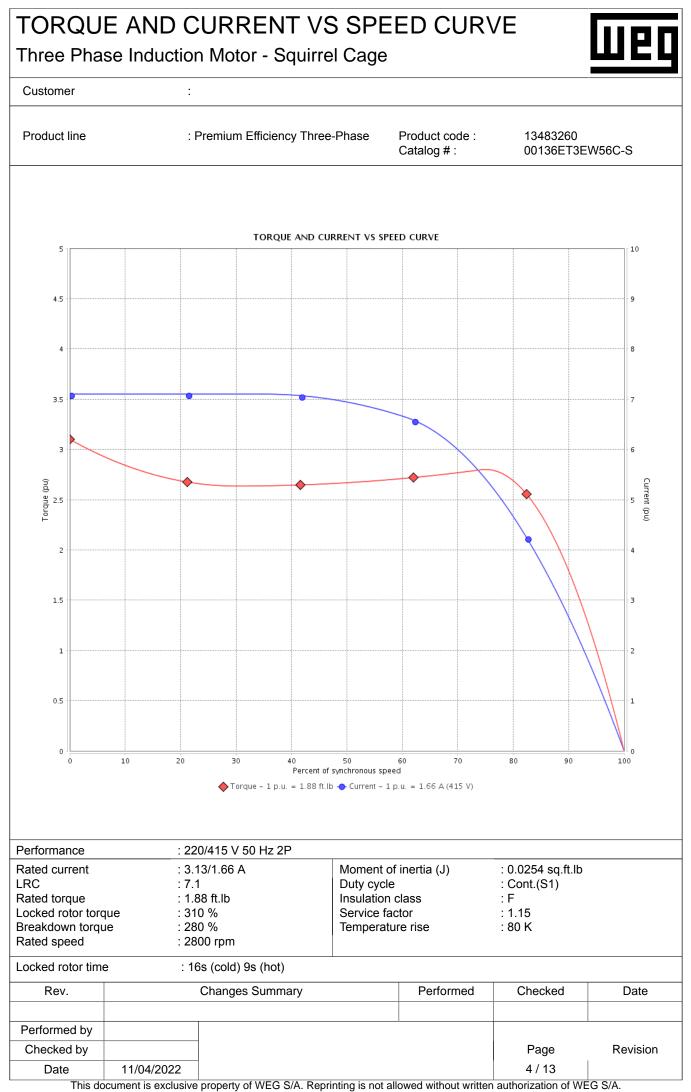
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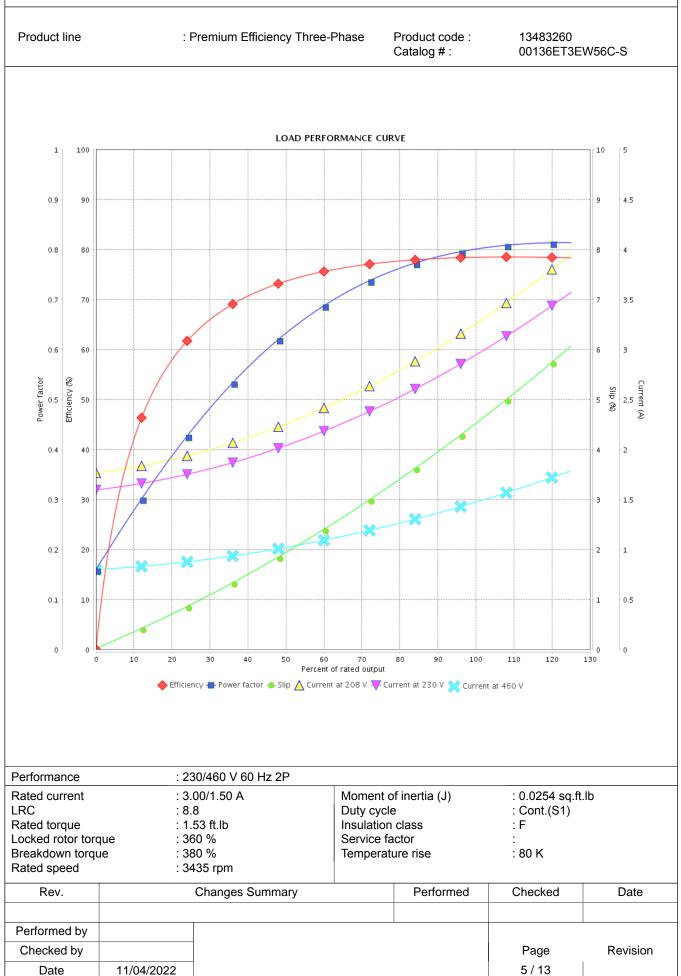


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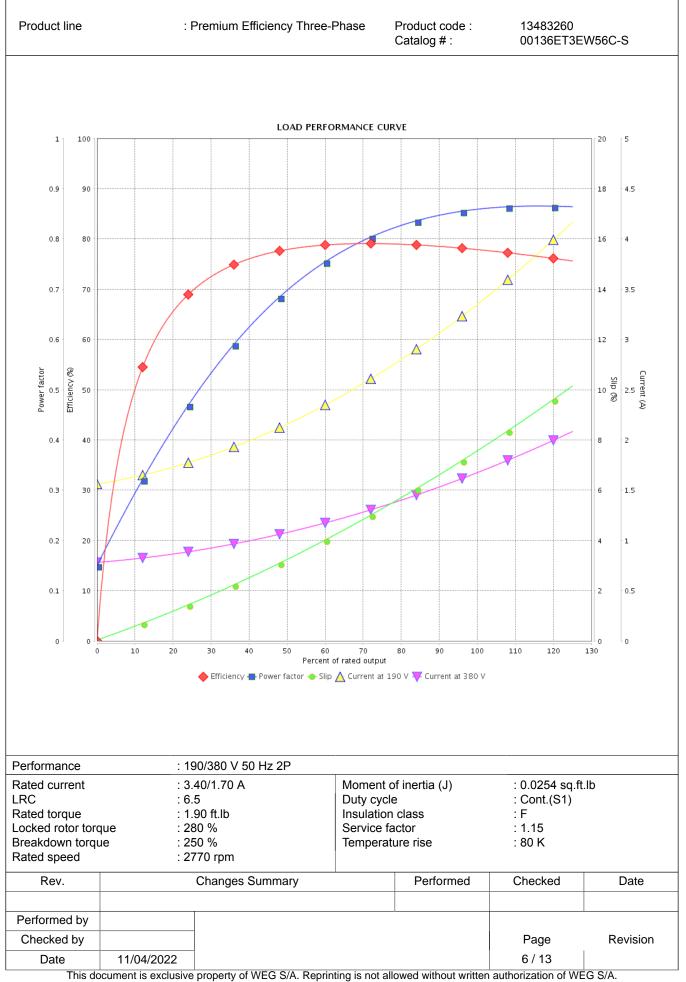
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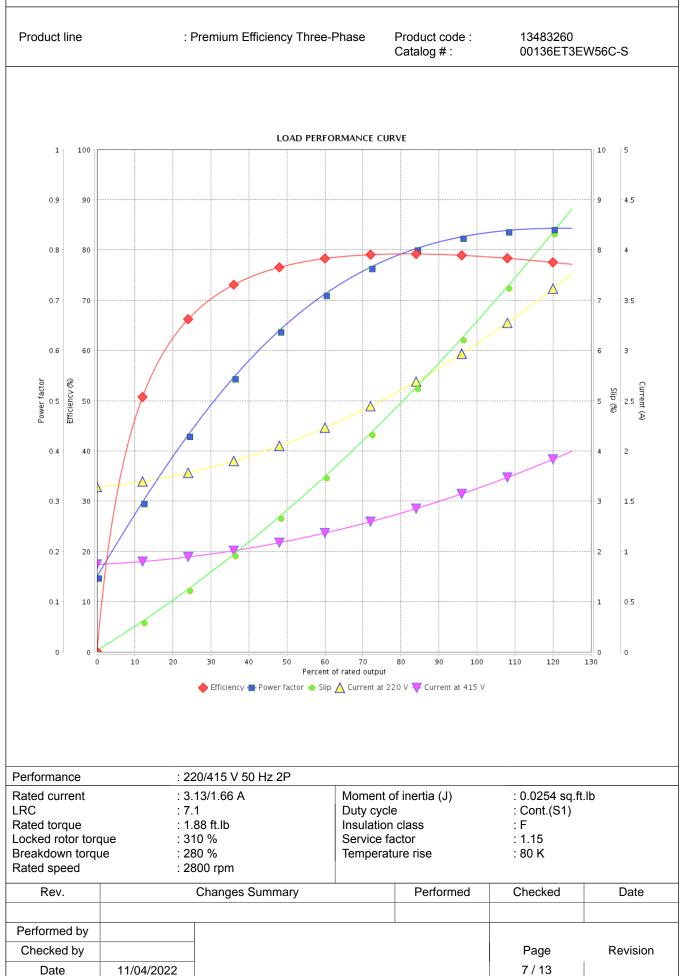


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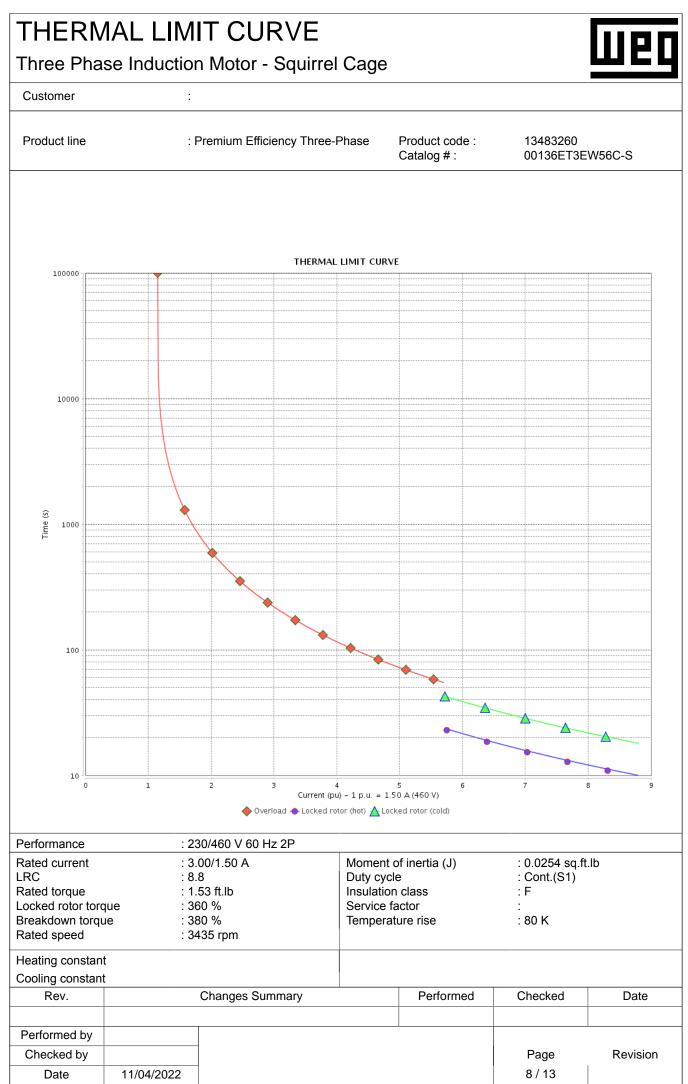
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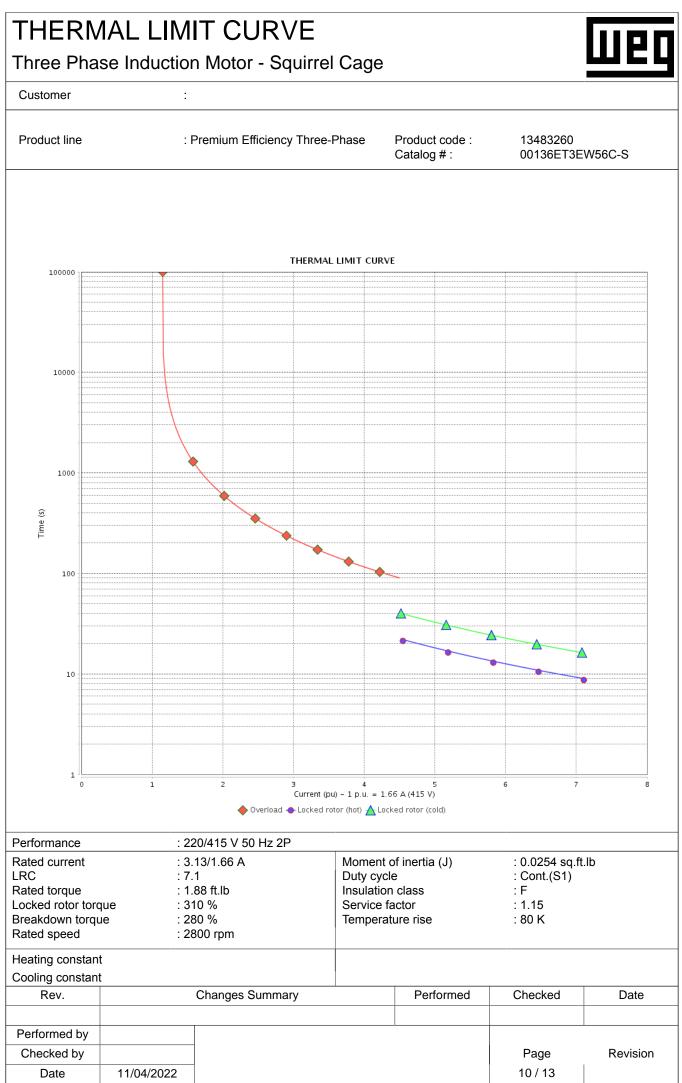
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Customer	÷				
Product line	: Premium Efficiency Three-Phase		Product code : Catalog # :	13483260 00136ET3EW56C-S	
		THERMAL LIMIT CU	RVE		
100000					
-					
10000					
-					
1000					
<u>0</u>					
Time (s)					
			•		
100			• •		
-			•		
10				•	
-					
1	1 2	3	4 5	6	7
-		Current (pu) – 1 p.u. = ad 🔶 Locked rotor (hot) 🛕	1.70 A (380 V)	-	,
erformance	: 190/380 V 50 Hz	: 2P			
ated current	ited current : 3.40/1.70 A		nt of inertia (J)	: 0.0254 sq.ft.	lb
RC ated torque	: 6.5 : 1.90 ft.lb	Duty cy Insulati	/cle on class	: Cont.(S1) : F	
ocked rotor torque reakdown torque	: 280 % : 250 %	Service	e factor rature rise	: 1.15 : 80 K	
ated speed	: 2770 rpm	Tempe		. OU N	
eating constant					
cooling constant Rev.	Changes Sum	many	Performed	Checked	Date
	Changes Sum	mary	r enoimea	CHECKEU	Dale
Performed by					
Checked by				Page	Revisior
Date 11	1/04/2022			9 / 13	

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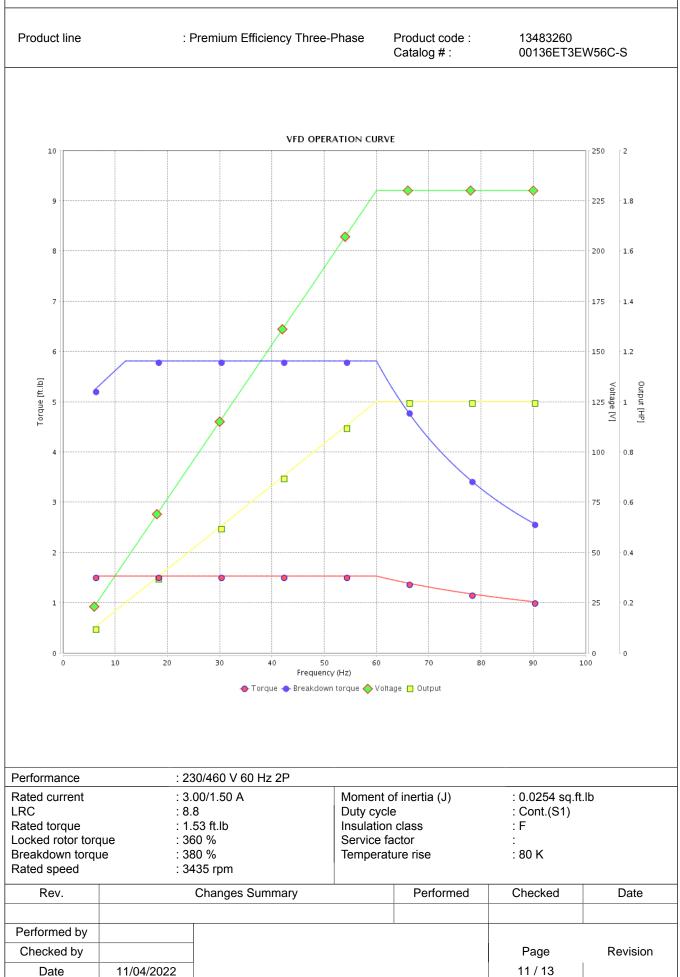
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VFD OPERATION CURVE

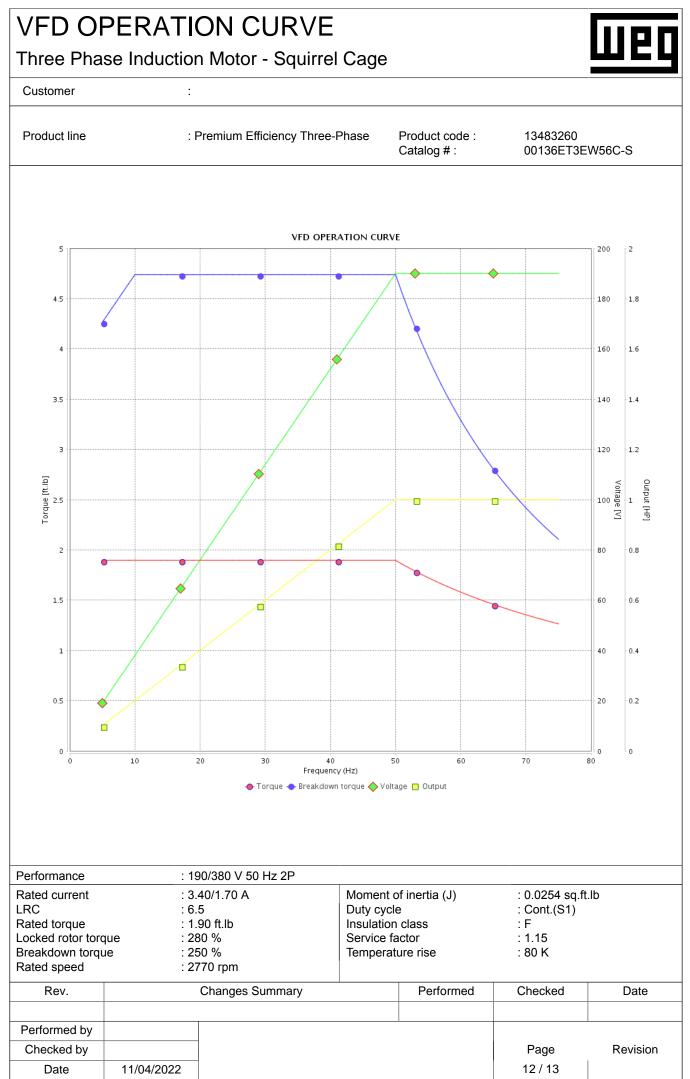
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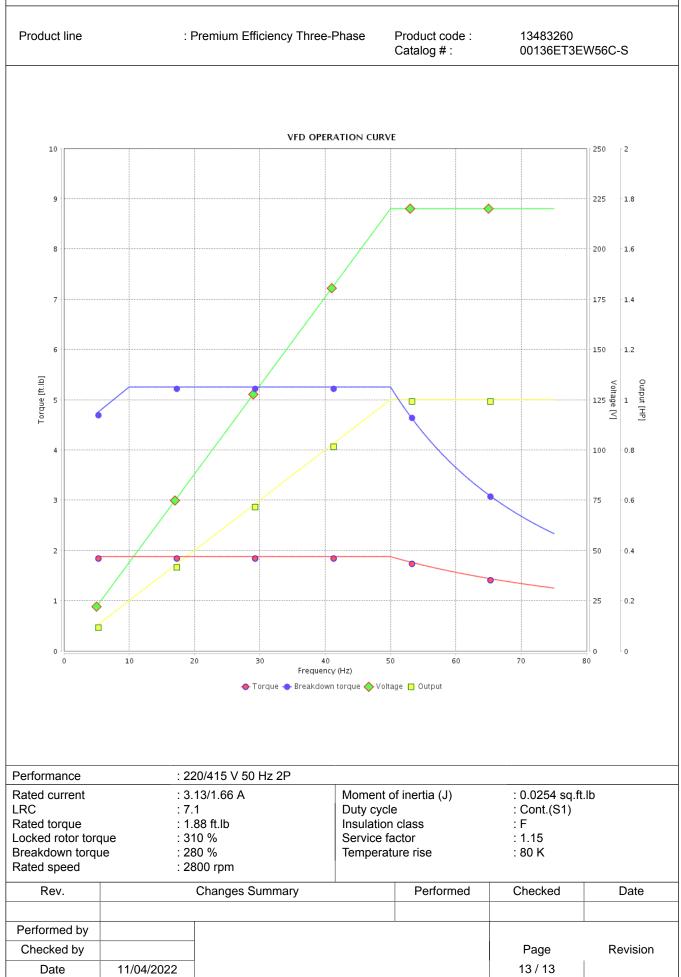
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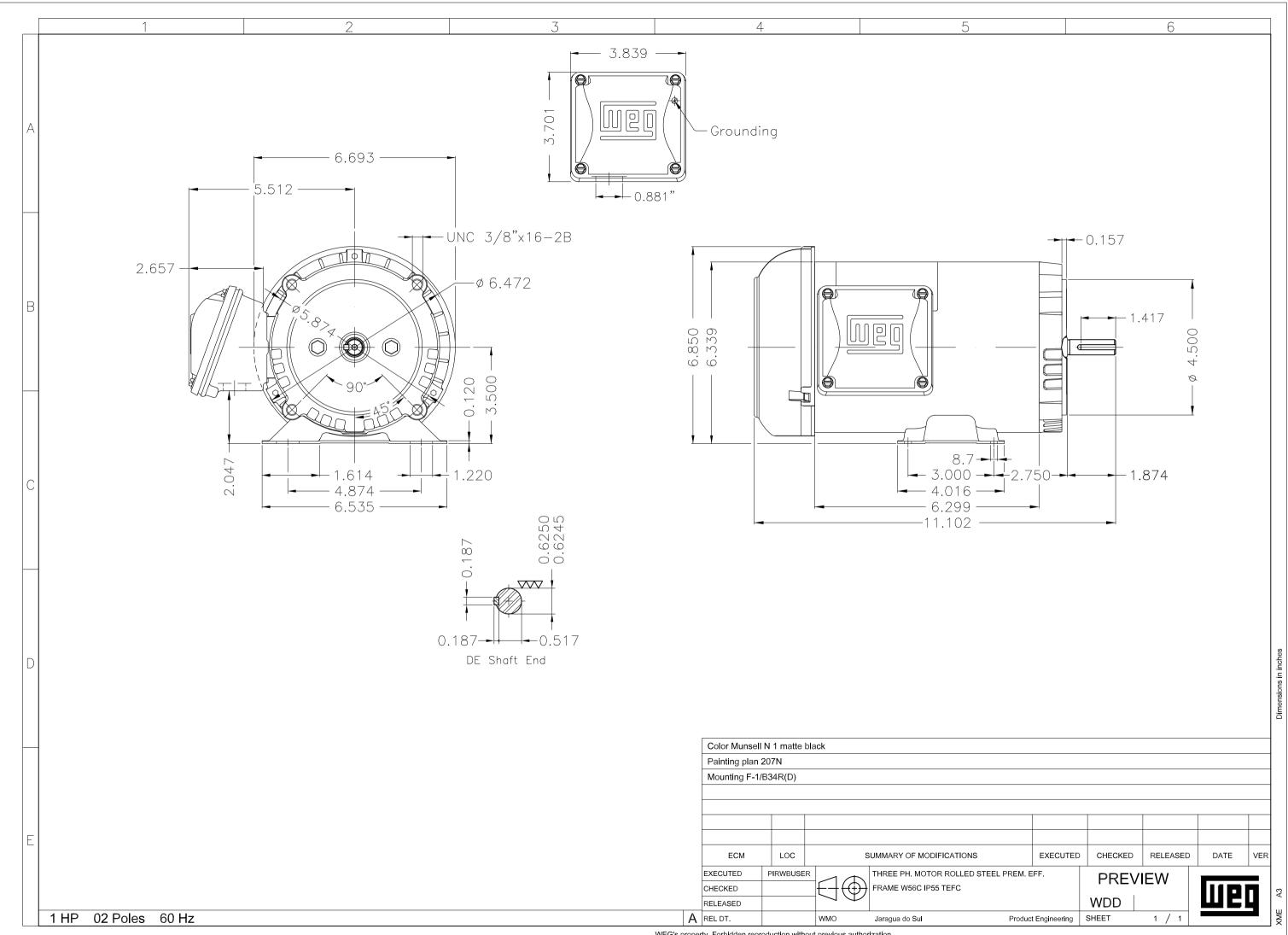
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COULISTED COUS	For 60Hz: Class I, Zone 2, IIC Class I, DIV2, G.A. AB,CD - 73 DN 2 Inverter Duty (5F1.00) CT 2:1VT 1000:1	10 208-230,460 208-230,460 3.32.3.451,12 1.15 1.	REVERS THE ROTATION REVERSING POINT ON In accordance with local an accordance with local per oblight and an arrest and other and a foreign to an an accurt franteden do is muchlo.
	MADE N BRAZIL MAT: 13483260 WO1. TEOICOXOX MODEL 00136FT3EW56C-S 12APR2022 B/N.	FN The B0 HP 1.0 FN 550 HP 50 HP 1.0 ALT 1000 m.a.sl A 208-2301450 A A ALT 1000 m.a.sl F 3.32-3.4511.72 A A A ALT 1000 m.a.sl F A 3.32-3.4511.72 A A ALT 1000 m.a.sl F A 3.32-3.4511.72 A A A ALT 1000 m.a.sl F F 3.32-3.4511.72 A </th <th>MERCIANGE MAY THO LUE WESS TO EXPERE THE ROLLON MERCIANGE MAY THO LUE WESS TO EXPERE THE ROLLON WARNING: Moor must be grounded in accordance with local anodo. Disconnect power source before saveflag unit. AVERTISEMENT, to move doit by the main as in a true conformation are accorded isolarity the induction of the movilio- distribution grave. Deconnected 1 illimitation arean formeride of in movilio.</th>	MERCIANGE MAY THO LUE WESS TO EXPERE THE ROLLON MERCIANGE MAY THO LUE WESS TO EXPERE THE ROLLON WARNING: Moor must be grounded in accordance with local anodo. Disconnect power source before saveflag unit. AVERTISEMENT, to move doit by the main as in a true conformation are accorded isolarity the induction of the movilio- distribution grave. Deconnected 1 illimitation arean formeride of in movilio.