DATA SHEET

Three Phase Induction Motor - Squirrel Cage

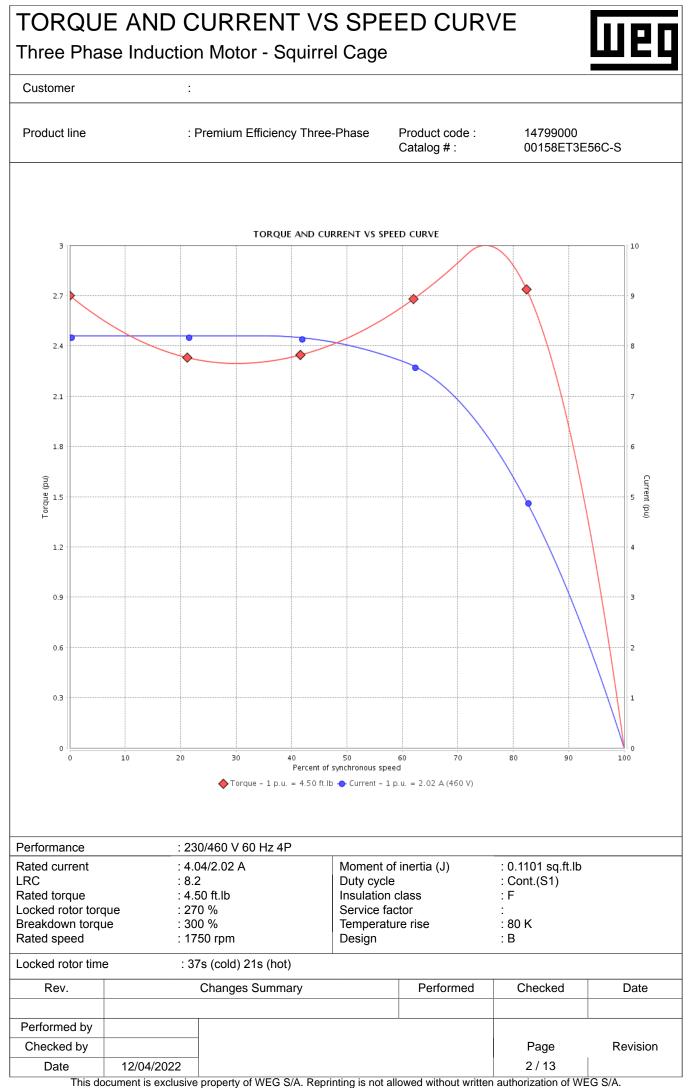
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Product line		: Premium Efficiency Three	-Phase	Product code : Catalog # :	14799000 00158ET3E56C-S		
Frame		: 56HC	Cooling	g method	: IC411 - TE	FC	
Insulation class		: F	Mounti		: F-1		
			Rotatic				
Duty cycle		: Cont.(S1) : -20°C to +40°C			: Both (CW and CCW)		
Ambient temperature				g method	: Direct On Line		
Altitude		: 1000 m.a.s.l.		. weight ³	: 38.0 lb		
Protection degree Design		: IP55 : B	Momer	nt of inertia (J)	: 0.1101 sq.ft.lb		
Dutput [HP]		1.5		1.5		1.5	
Poles		4		4	4		
				=			
Frequency [Hz]		60		50	50		
Rated voltage [V]		230/460		190/380	220/415		
Rated current [A]		4.04/2.02		4.82/2.41	4.3	38/2.32	
L. R. Amperes [A]		33.1/16.6		29.4/14.7	29	29.3/15.5	
LRC [A]		8.2x(Code K)		6.1x(Code H)		(Code J)	
No load current [A	1	2.17/1.08		2.13/1.07		20/1.17	
Rated speed [RPN	vij	1750		1420		1430	
Slip [%]	-	2.78		5.33		4.67	
Rated torque [ft.lb		4.50		5.55		5.51	
Locked rotor torqu	ue [%]	270		210		240	
Breakdown torque		300		250		280	
Service factor	- L'*J			1.15		1.15	
		00 1/					
Temperature rise		80 K		80 K		80 K	
Locked rotor time		37s (cold) 21s (hot)	36	s (cold) 20s (hot)		ld) 19s (hot)	
Noise level ²		52.0 dB(A)		49.0 dB(A)	49.	0 dB(A)	
	25%	85.2		86.1		85.0	
	50%	85.5		84.7		84.2	
Efficiency (%)	75%	86.5		84.7		84.9	
	100%	86.5		82.7		83.6	
	25%	0.35		0.41		0.37	
Power Factor	50%	0.59		0.67		0.62	
Power Factor	75%	0.72		0.78	0.75		
	100%	0.79		0.84		0.82	
	I	Drive end Non drive er	nd Founda	tion loads	I		
Rearing type		: 6204 ZZ 6202 ZZ			. 400 "		
Bearing type			indix. ac		: 132 lb		
Sealing		: V'Ring Without		ompression	: 170 lb		
		Bearing Se	eal				
Lubrication inter-	val	:					
Lubricant amour	nt	:					
Lubricant type		: Mobil Polyrex EM					
Notes USABLE @208V	′ 4.47A SF 1.(00 SFA 4.47A					
This revision repl must be eliminate (1) Looking the m	ed.	cel the previous one, which		are average values supply, subject to th			
(2) Measured at	1m and with to weight subjec ocess.	blerance of +3dB(A). t to changes after	MG-1.				
Rev.		Changes Summary		Performed	Checked	Date	
Performed by							
Checked by					Page	Revision	
-	40/04/0000				_	1	
Date	12/04/2022	2			1 / 13		

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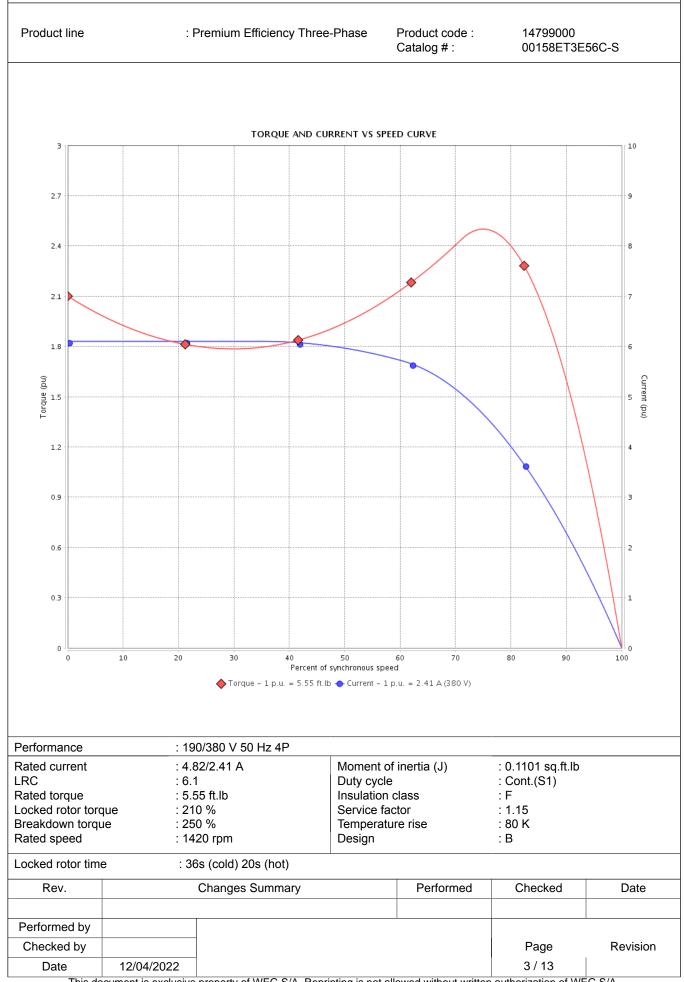
TORQUE AND CURRENT VS SPEED CURVE

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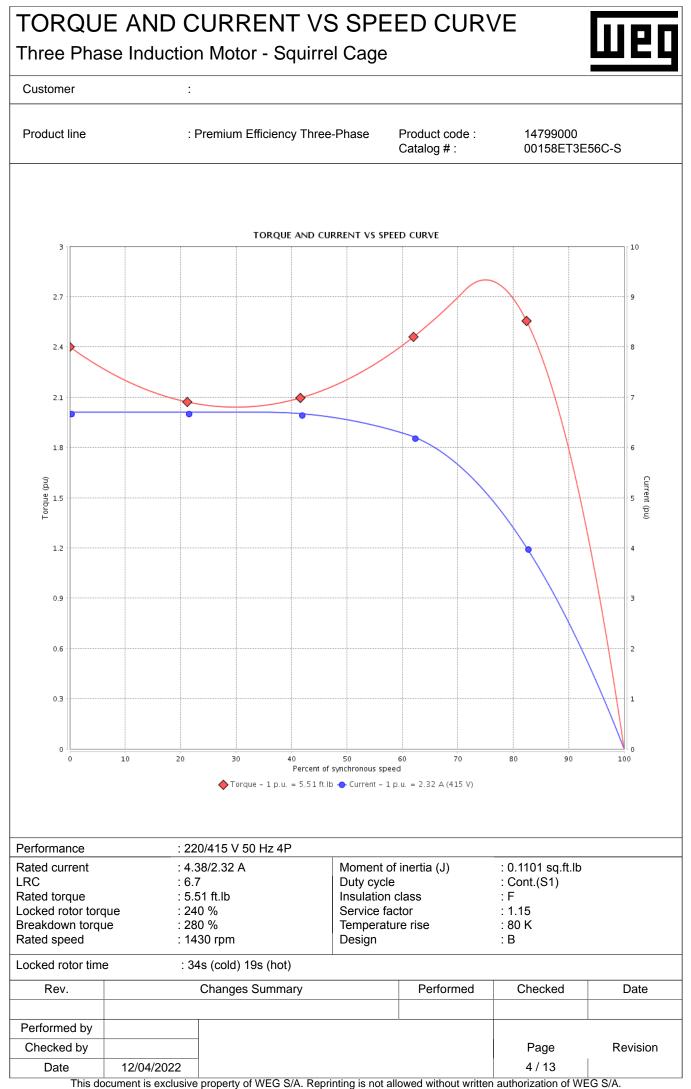
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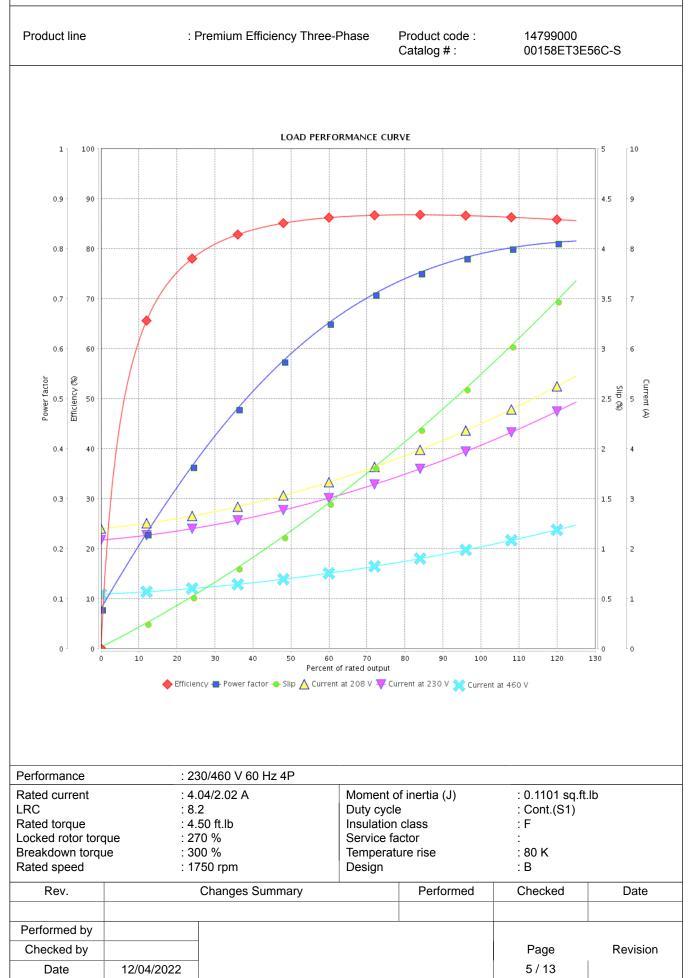


LOAD PERFORMANCE CURVE

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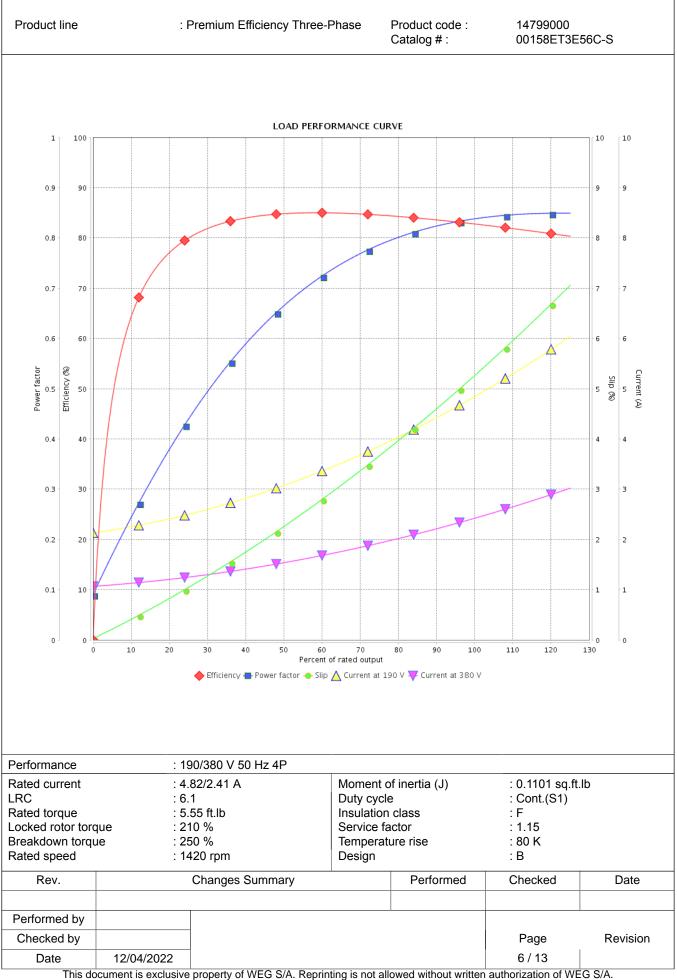
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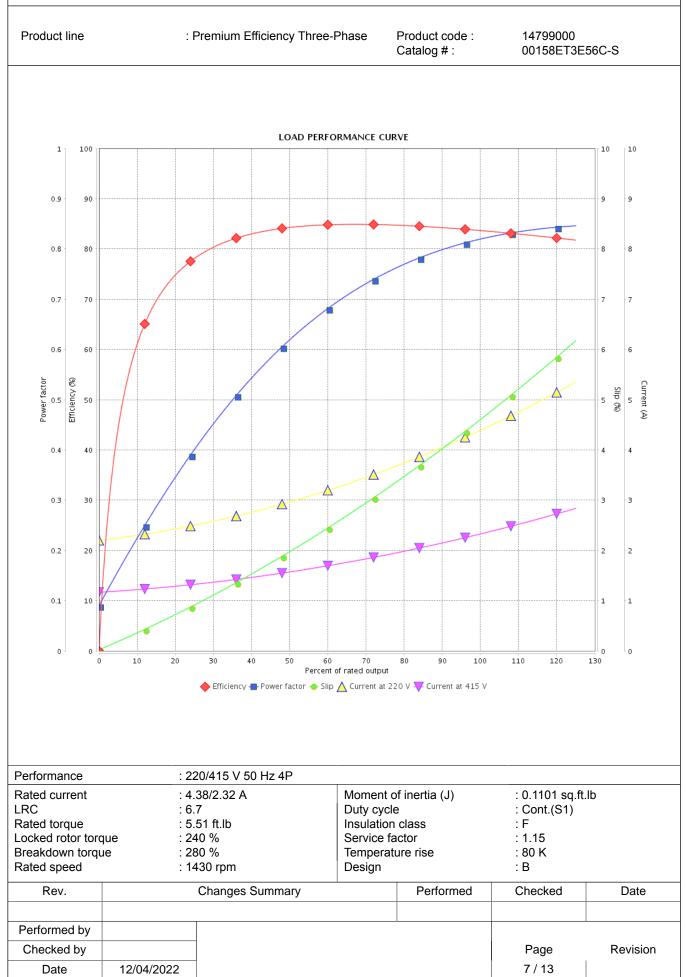


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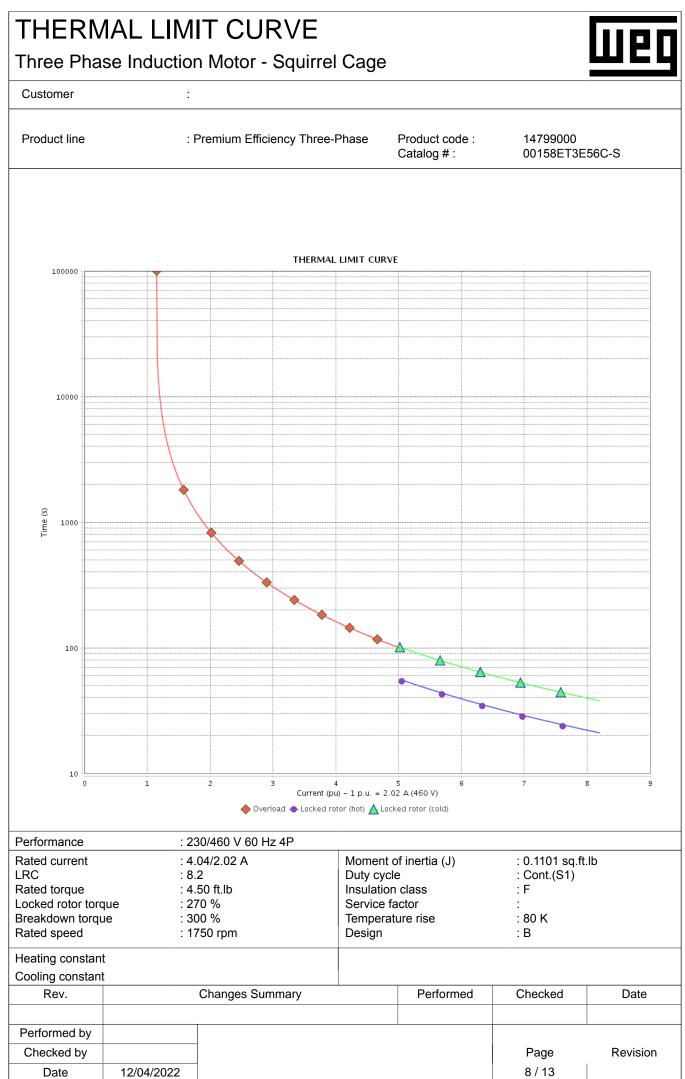
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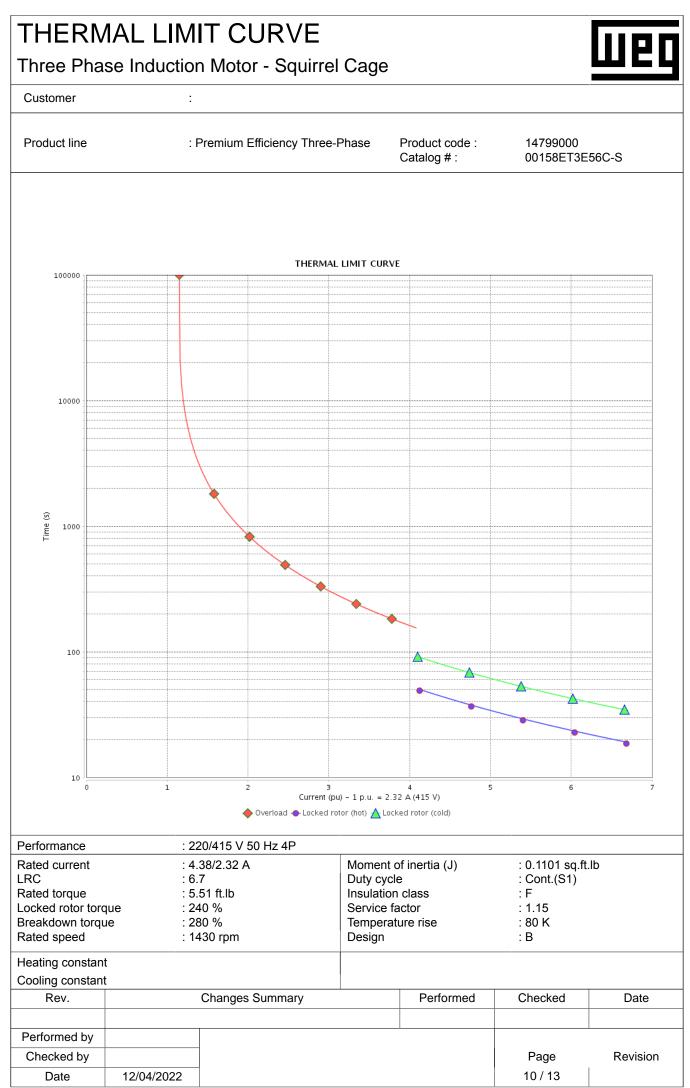
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Customer	:							
Product line	: Premium Efficiency Three-Phase			Product code : Catalog # :		14799000 00158ET3E56C-S		
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10 J	1	2		3 5	4	(280 V)	6	7
		•	Overload 🔶 Locke	t (pu) – 1 p.u. = d rotor (hot) <u>A</u> L				
rformance	: 190)/380 V \$	50 Hz 4P					
ted current		2/2.41 A	L.			nertia (J)	: 0.1101 sc	ı.ft.lb
RC: 6.1ated torque: 5.55 ft.lbbocked rotor torque: 210 %bocked rotor torque: 250 %				Duty cy		ass	: Cont.(S1) : F)
				Service	facto	or	: 1.15	
reakdown torque : 250 % ated speed : 1420 rpm			Temperature rise Design			: 80 K : B		
ating constant		•						
oling constant								
Rev.		NI	Summary			Performed	Checked	Date

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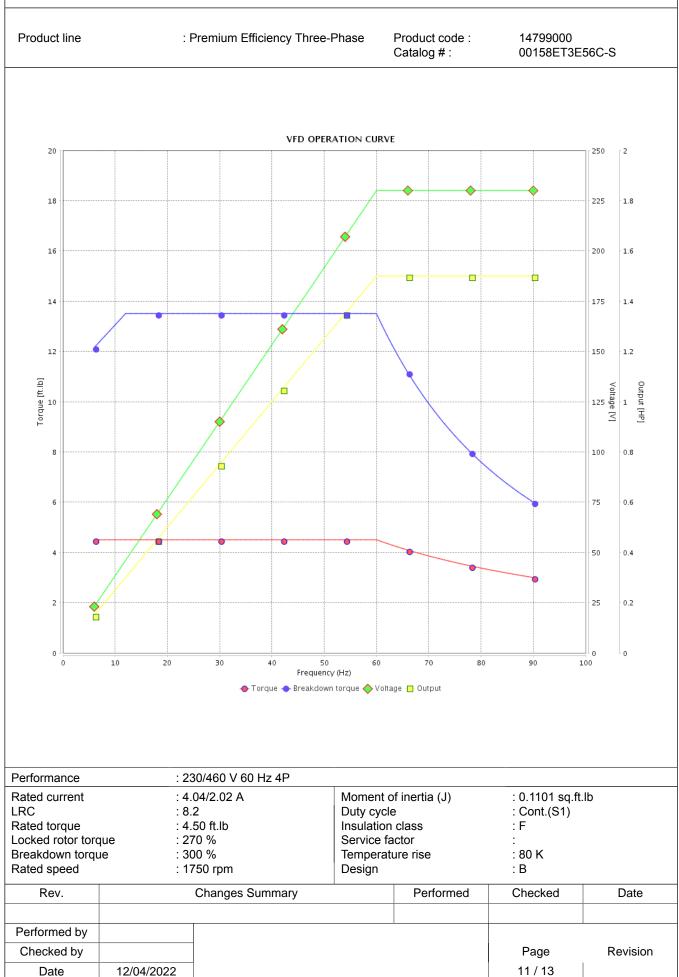
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VFD OPERATION CURVE

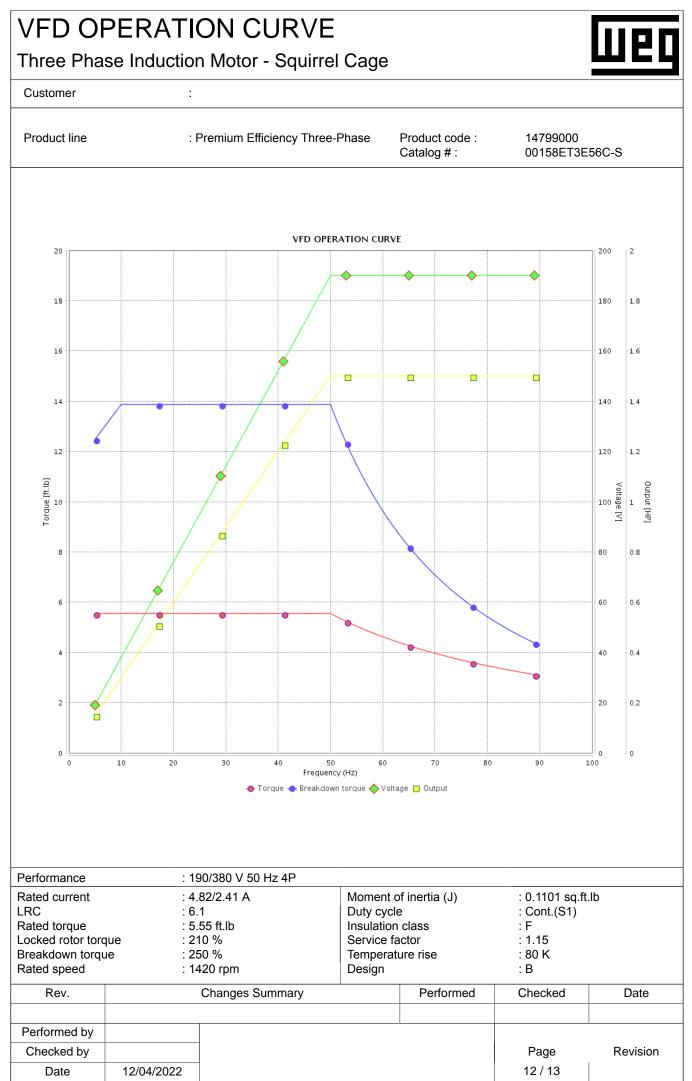
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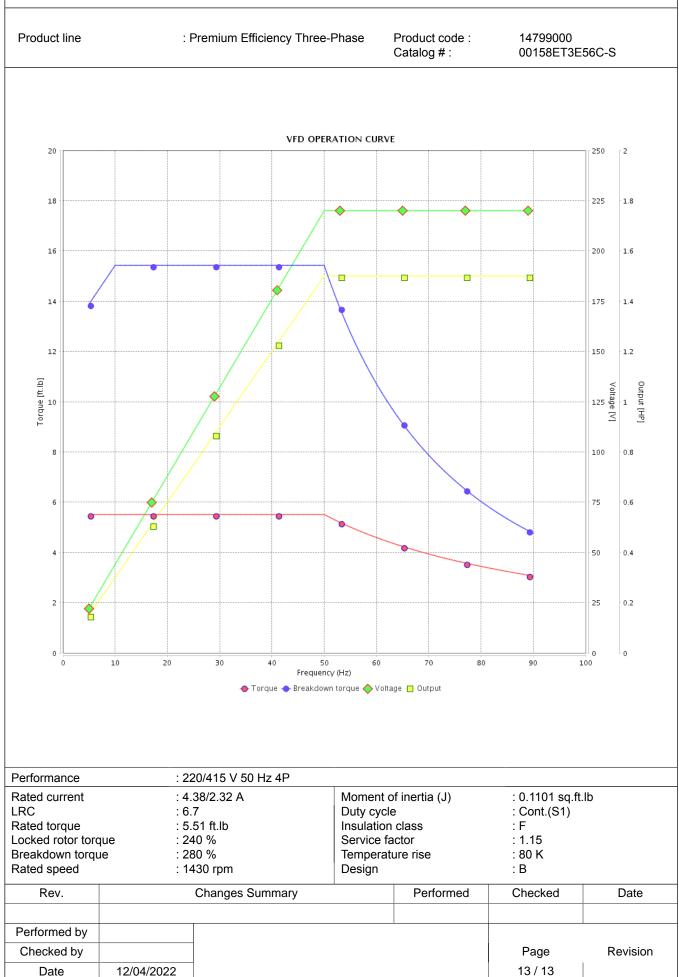
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VFD OPERATION CURVE

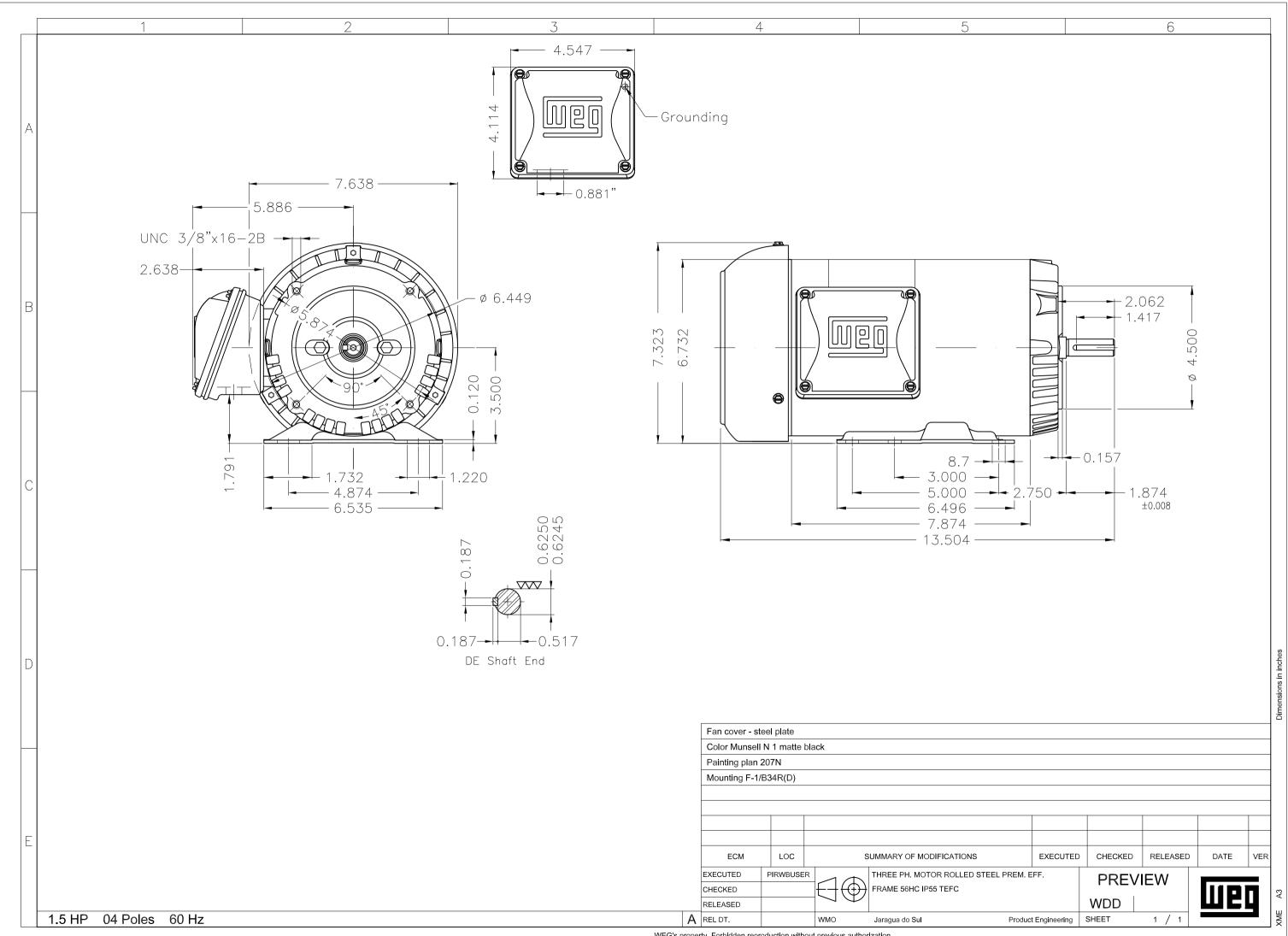
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CONTERPORT CONTRACTOR	For 60H2: Class I, Zone 2, IIC Class I, Div.2, Gr. A,B,C,D - T3 Div 2 Inverter Duty (5F1.00) CT 2:1/NT 1000:1	3 1	RECEIVINGN received and a metallocal receiver and a metallocal receiver and a metallocal
-C Ri		HP 1.5 KW 1.1 A 4.602.02 SFA 4.652.332 SF 1.15 SF 1	INTERCIMANGE ANY TWO LUE WIRES TO EXCHERE THE EXCITATION INTERCIMANGE ANY TWO LUE WIRES TO EXCITE THE EXCITATION WARNING. Mactor must be grounded in accordance with local and antional electrical costs to prevent serious electrical and/on. Disconnect power source before servicing until Any Control and the service power to account of the anti- onation and the service power to account of the anti- table device prave. Deconnector Talmentation as an anti- able determined are codes destingue grave. Deconnector Talmentation and the anti- ble device prave. Deconnector Talmentation as and the anti- ble device prave. Deconnector Talmentation as and the anti- diance device prave. Deconnector Talmentation as and the anti- ble device prave. Deconnector Talmentation as and the anti- ble device prave. Deconnector Talmentation as and the anti- device device the accounted as a service prave.
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	MADE IN BRAZIL MAT: 14799000 CC029/ W01.TE01C0X0X MODEL 00158ET3E56C-S 07APR2022 BIN:	FPH 5 TAE BU DUTY CONT DUTY CONT DUTY CONT ALT 000 m.a.s.l ALT 000 m.a.s.l ALL MIS CL CO ANIS CL AT 80K DE ENCL TO DE ALTERNATE RATING: LOCL ERSA DE EST600 CO DE ALTERNATE RATING: ALTERNATE RATING: ALTERNATE RATING: ALTERNATE RATING: DE	INTERCHANN INTERCHANN ANACHURN and and sho conformément aux c