DATA SHEET

Three Phase Induction Motor - Squirrel Cage

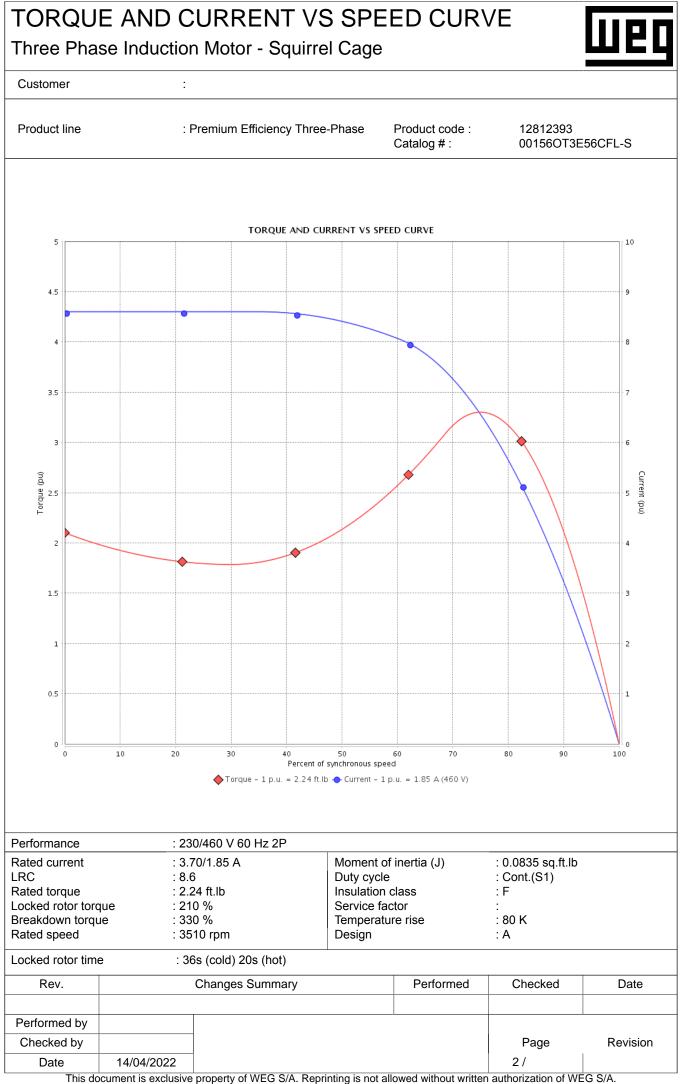
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		: Premium Efficiency Three-Ph	nase Product code : Catalog # :	12812393 00156OT3E56CFL-S
Frame		: 56C	Cooling method	: IC01 - ODP
Insulation class		: F	Mounting	: F-1
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW and CCW)
Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	ature	: 1000 m.a.s.l.	Approx. weight ³	: 27.0 lb
		: 1000 m.a.s.i. : A	Moment of inertia (J)	: 0.0835 sq.ft.lb
Design		. A	. ,	. 0.0835 \$4.11.10
Output [HP]		1.5	1.5	1.5
Poles		2	2	2
Frequency [Hz]		60	50	50
Rated voltage [V]		230/460	190/380	220/415
Rated current [A]		3.70/1.85	4.42/2.21	4.02/2.13
. R. Amperes [A]		31.8/15.9	29.6/14.8	29.7/15.8
LRC [A]		8.6x(Code K)	6.7x(Code H)	7.4x(Code J)
No load current [A	.1	1.62/0.809	1.59/0.796	1.66/0.881
Rated speed [RPN	vij	3510	2890	2900
Slip [%]	_	2.50	3.67	3.33
Rated torque [ft.lb		2.24	2.73	2.72
Locked rotor torqu		210	180	200
Breakdown torque	e [%]	330	250	280
Service factor			1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		36s (cold) 20s (hot)	36s (cold) 20s (hot)	34s (cold) 19s (ho
Noise level ²		62.0 dB(A)	60.0 dB(A)	60.0 dB(A)
	25%	81.1	83.5	82.1
Efficiency (%)	50%	81.5	82.7	81.9
; ()	75%	84.0	83.6	83.5
	100%	84.0	82.3	82.9
	25%	0.45	0.51	0.47
Dowor Costor	50%	0.73	0.79	0.75
Power Factor	75%	0.83	0.88	0.85
	100%	0.89	0.92	0.90
Bearing type		: 6204 ZZ 6202 ZZ		0.1 !!
			Max. traction	: 61 lb
Sealing		: Without Without	Max. compression	: 88 lb
		Bearing Seal Bearing Seal		
Lubrication interval				
	nt	:		
Lubricant amour				
		: Mobil Polyrex EM		
Lubricant amour	/ 4.09A SF 1.			
Lubricant amour Lubricant type Notes USABLE @208V		00 SFA 4.09A	These are average values	hased on tests with sinusoi
Lubricant amour Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 2	aces and can ed. notor from the 1m and with t weight subject ocess.	00 SFA 4.09A		based on tests with sinusoid e tolerances stipulated in N
Lubricant amour Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 2 (3) Approximate w manufacturing pro-	aces and can ed. notor from the 1m and with t weight subject ocess.	00 SFA 4.09A ncel the previous one, which e shaft end. olerance of +3dB(A).	power supply, subject to the	
Lubricant amour Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate w manufacturing pr (4) At 100% of fu	aces and can ed. notor from the 1m and with t weight subject ocess.	00 SFA 4.09A ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after	power supply, subject to the MG-1.	e tolerances stipulated in N
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Lubricant amour Lubricant type Notes USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate w manufacturing pr (4) At 100% of fu Rev.	aces and can ed. notor from the 1m and with t weight subject ocess.	00 SFA 4.09A neel the previous one, which e shaft end. olerance of +3dB(A). tt to changes after Changes Summary	power supply, subject to the MG-1.	e tolerances stipulated in N Checked Dat

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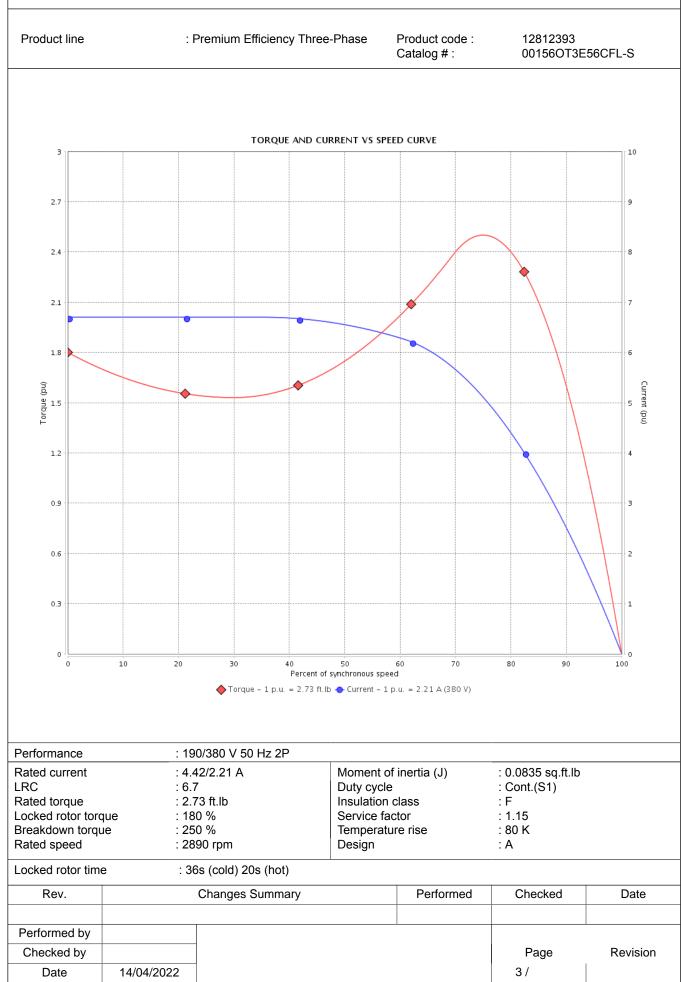


TORQUE AND CURRENT VS SPEED CURVE

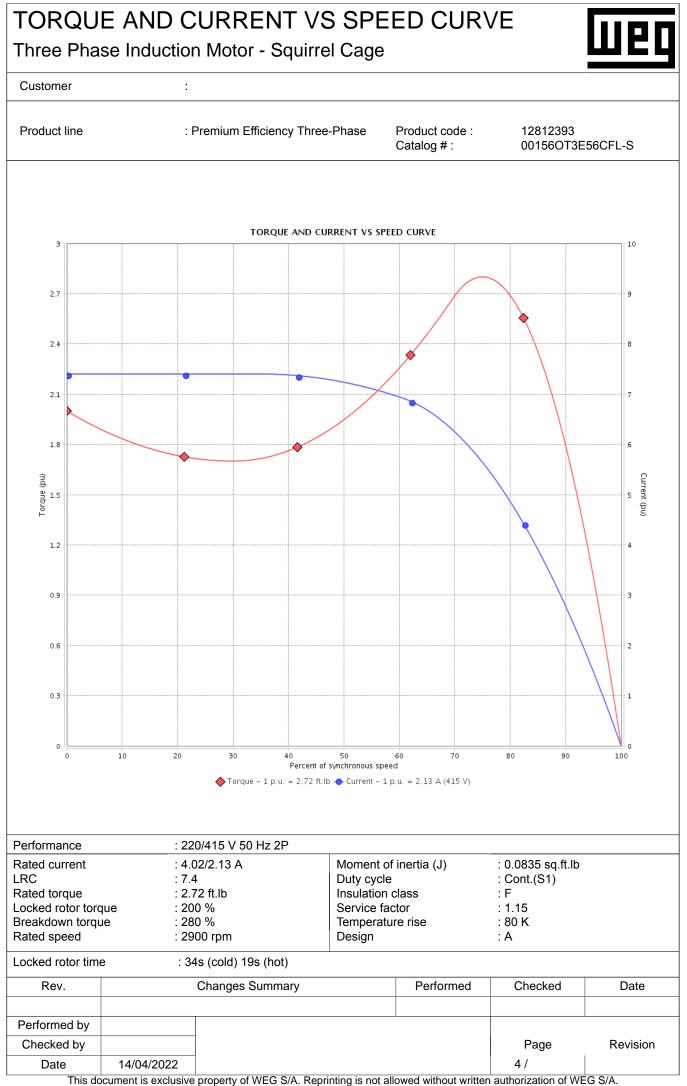
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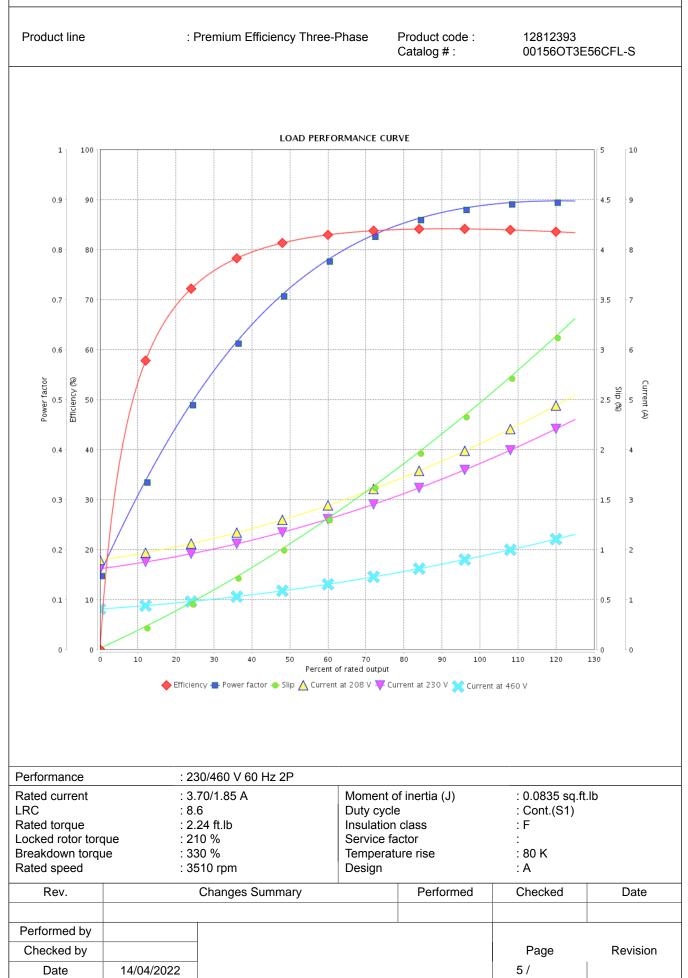


LOAD PERFORMANCE CURVE

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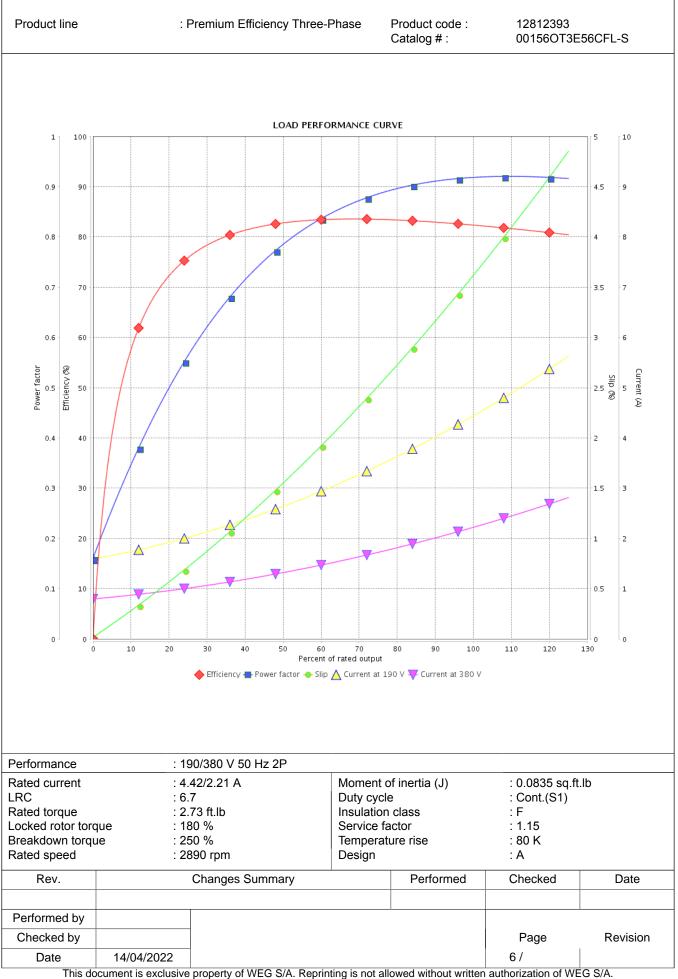
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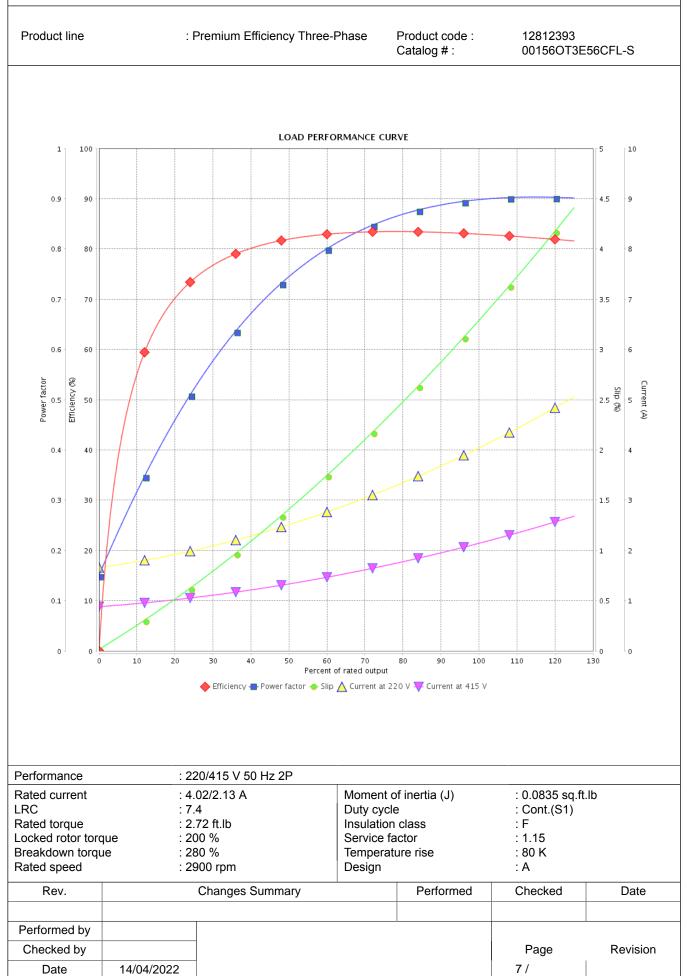


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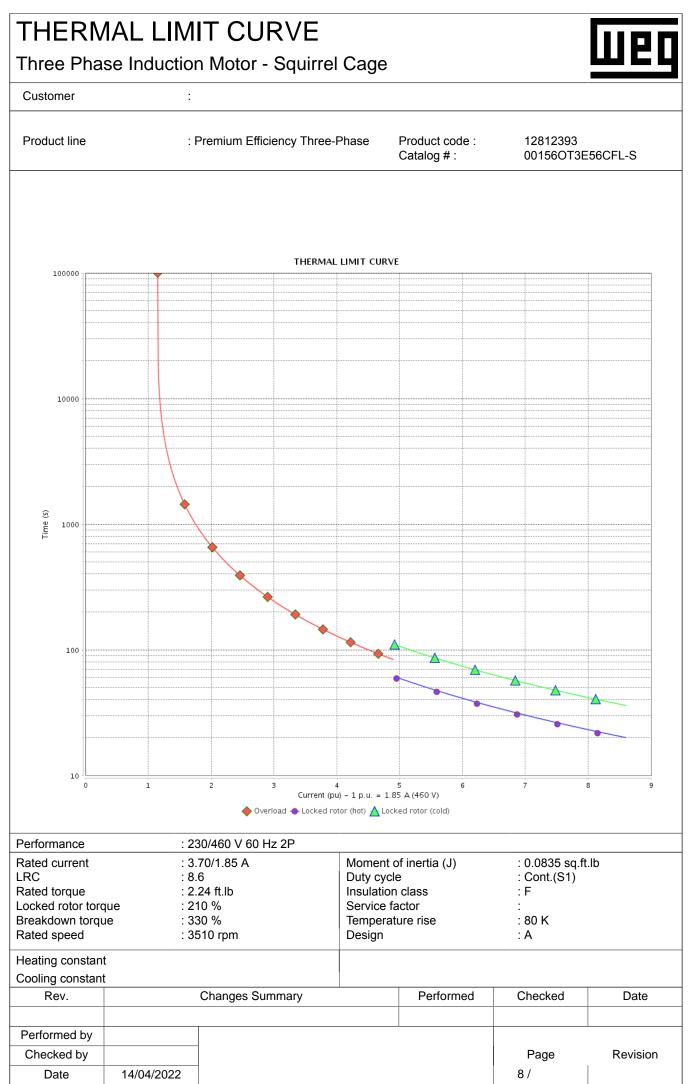
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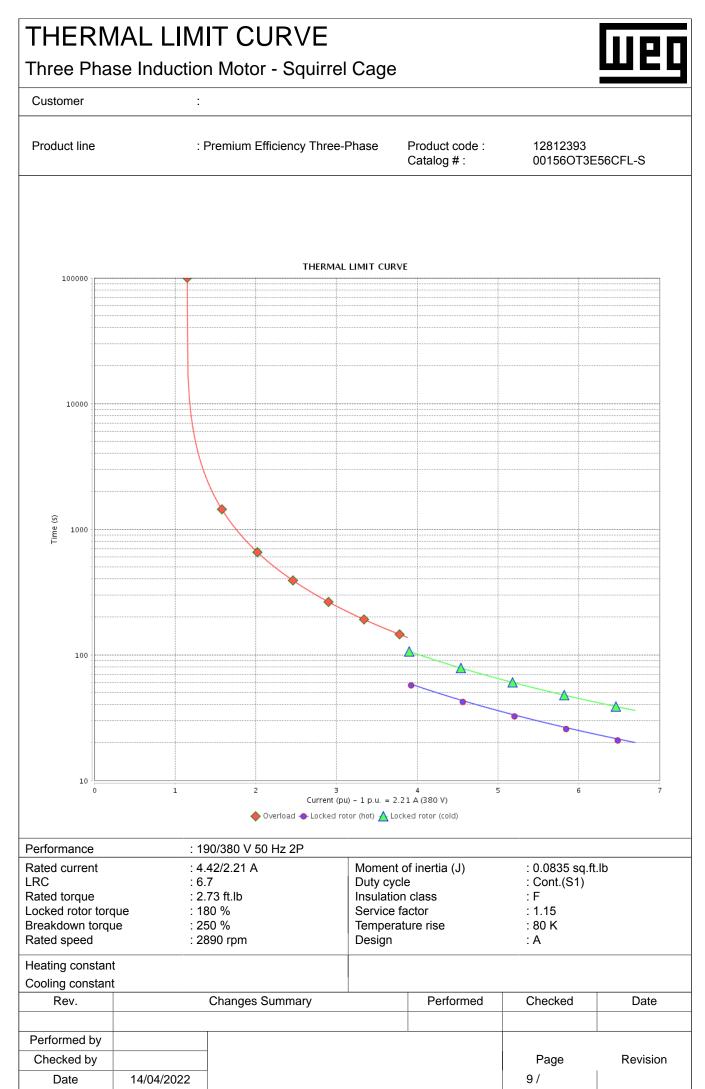
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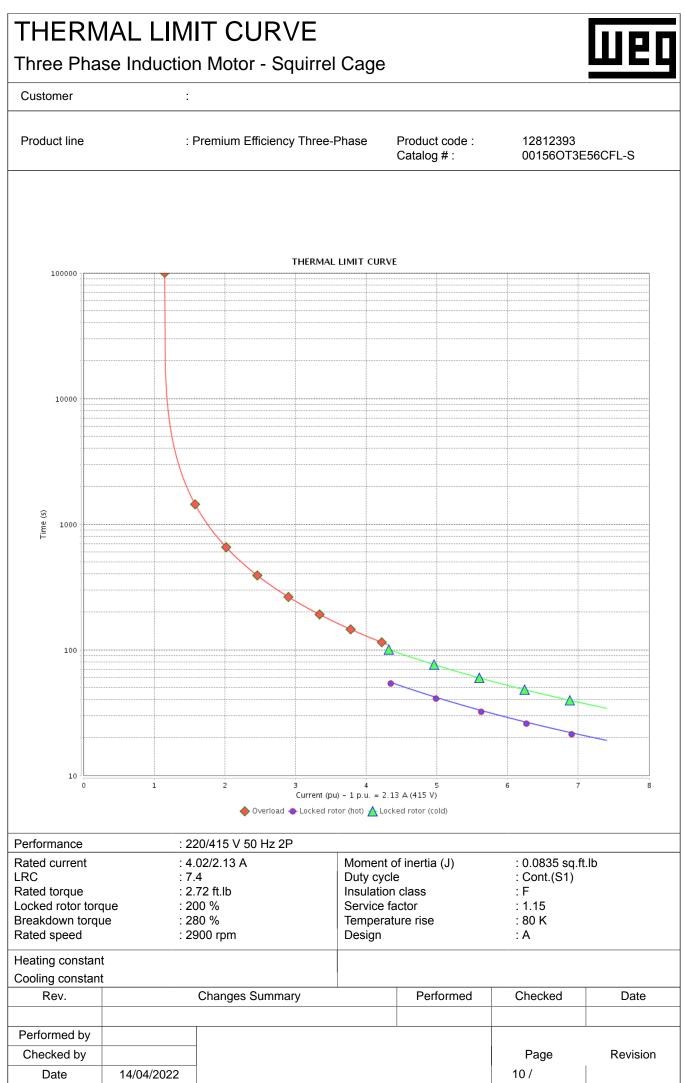
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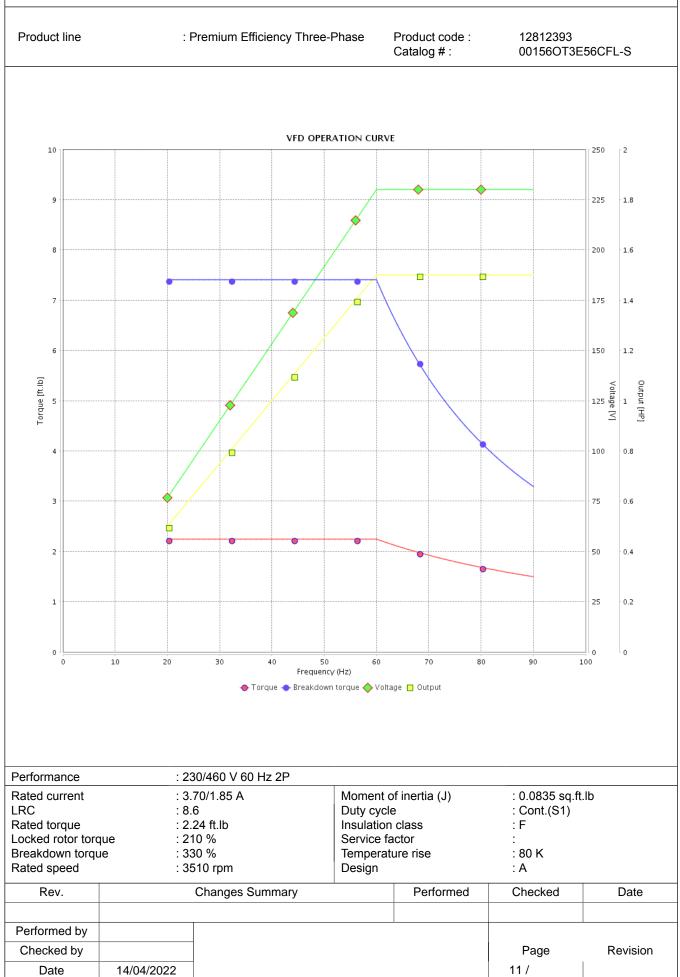
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VFD OPERATION CURVE

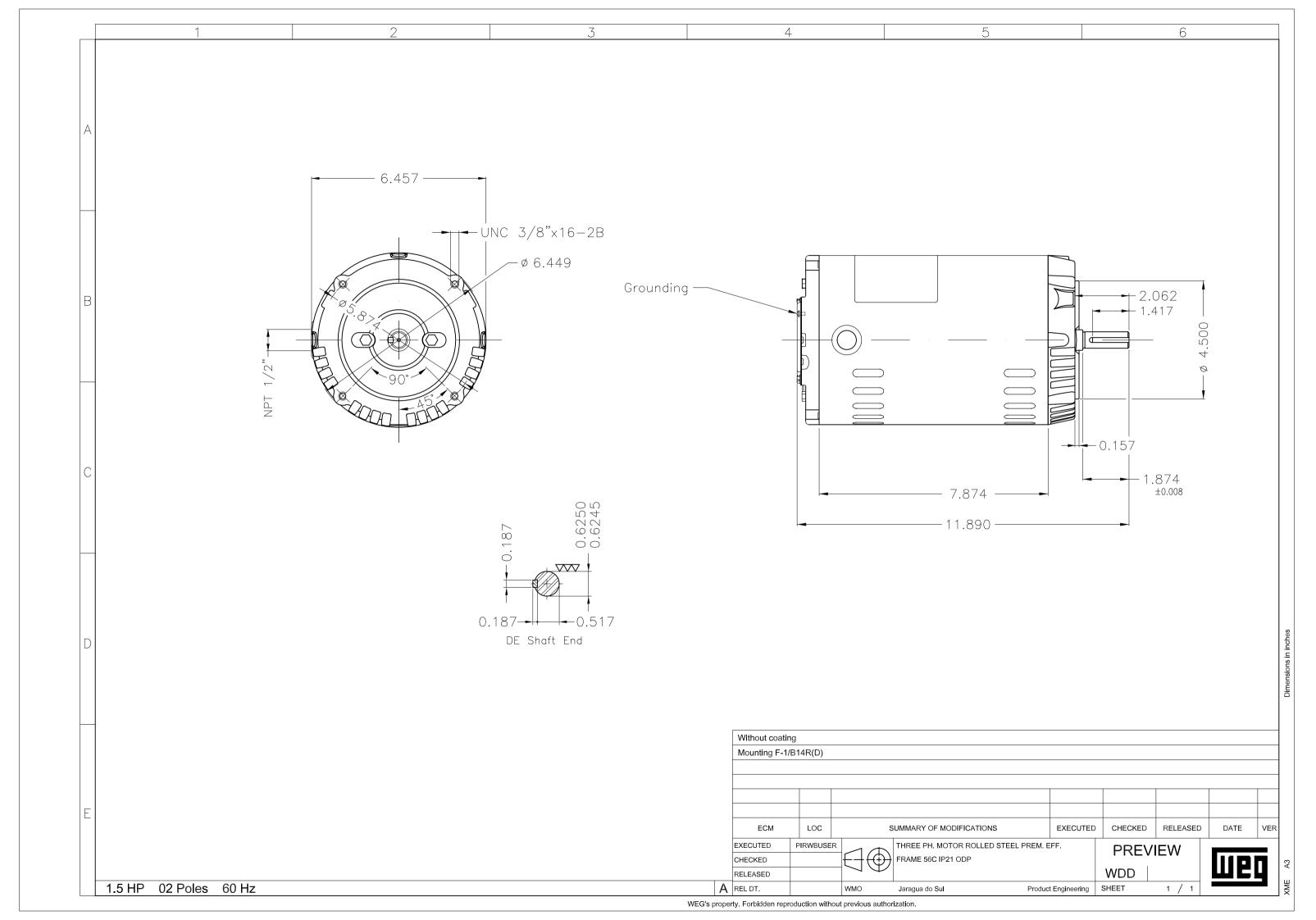
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MADE IN MÉXICO

W01.TO0IC0X0X 12812393 MAT

MODEL 001560T3E56CFL-S

29MAR2022 B/N:	ï	
PH 3 Hz	60	HP 1.5
FR 56C		kw 1.1
DUTY CONT.		
ALT 1000 m.a.s.l		•••
INS CL F AT 80K		
AMB 40°C	DES A	SF 1.15
ENCL ODP	CODE K	
USABLE @ 208V 4.09A SF1.00	P8	NEW 3310 NOM. EFF 84.0%
ALTERNATE RATING:	: 1.5HP	190-220/380-415V
4.42-3.94/2.21-2.09A	09A	2890RPM EFF 82.3% (IE2) IEC 60034-1
Inverter du	ty motor Fe	Inverter duty motor For 80Hz use on VPWM 1000:1 VT, 3:1 CT
DE 6204-ZZ DI	ODE 6202-ZZ	MOBIL POLYREX EM
T4 T	T5 _T6	T4 T5 T6
35		•-
	18	5 T7 T8 T9 I3-0RG 14-YEL
		EL T TO TO TE-BLK T6-GRY
	2 •	S ⊕ ^{[1} ⊕ ^{[2} ⊕ ^{[3} T7-PNK T8-RED
YY L1 L2	_ഇ	У L1 L2 L3 Т9-ВКК RED

NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION



shocks. Disconnect power source before servicing unit. WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical

choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine conformément aux codes électriques locaux et nationaux afin d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre ¹