DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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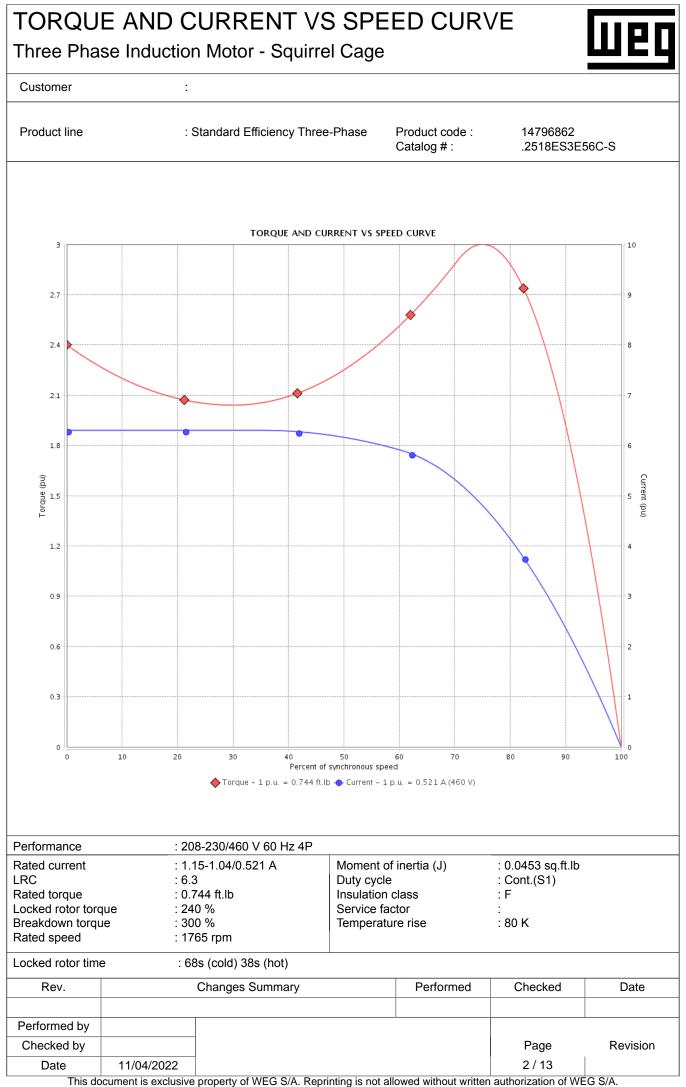
Customer

Product line		: Standard Efficiency Three-Pl	nase Product code : Catalog # :	14796862 .2518ES3E	56C-S
Frame Insulation class Duty cycle		: 56C : F : Cont.(S1)	Cooling method Mounting Rotation ¹	: IC411 - TE : F-1 : Both (CW)	and CCW)
Ambient tempera Altitude Protection degre		: -20°C to +40°C : 1000 m.a.s.l. : IP55	Starting method Approx. weight ³ Moment of inertia (J)	: Direct On I : 19.2 lb : 0.0453 sq.	
Dutput [HP]		0.25	0.25		0.25
Poles		4	4		4
Frequency [Hz]		60	50		50
Rated voltage [V]		208-230/460	190/380	22	20/415
Rated current [A]		1.15-1.04/0.521	1.13/0.564		8/0.573
. R. Amperes [A]		7.26-6.56/3.28	5.98/2.99)5/3.21
_RC [A]	-	6.3x(Code M)	5.3x(Code J)		(Code K)
No load current [A		0.776-0.900/0.450	0.844/0.422		64/0.458
Rated speed [RPI	vij	1765	1455		1460
Slip [%]	1	1.94	3.00		2.67
Rated torque [ft.lb		0.744	0.902).899 200
Locked rotor torqu		240	180		200
Breakdown torque Service factor	ະ [້/0]	300	280 1.15		310 1.15
Temperature rise		80 K	80 K		1.15 80 K
_ocked rotor time		68s (cold) 38s (hot)	72s (cold) 40s (hot)		d) 38s (hot)
Voise level ²		52.0 dB(A)	49.0 dB(A)		0 dB(A)
	25%	54.4	56.7		54.5
	50%	57.5	59.3		57.4
Efficiency (%)	75%	66.0	66.2		65.0
	100%	70.0	69.3		68.7
	25%	0.24	0.28		0.26
/	50%	0.43	0.50		0.46
Power Factor	75%	0.54	0.61		0.57
	100%	0.62	0.70		0.66
Bearing type Sealing	:	Drive end 6203 ZZ 6202 ZZ V'Ring Without	Foundation loads Max. traction Max. compression	: 17 lb : 37 lb	
Lubrication inter Lubricant amour Lubricant type		Bearing Seal Mobil Polyrex EM			
Notes USABLE @208V	′ SF 1.00				
must be eliminate (1) Looking the m	ed. notor from the 1m and with to	lerance of +3dB(A).	These are average value power supply, subject to MG-1.		
 (2) Measured at 7 (3) Approximate with manufacturing press (4) At 100% of full 	ocess.				
(3) Approximate manufacturing pr	ocess.	Changes Summary	Performed	Checked	Date
 (3) Approximate with manufacturing principal (4) At 100% of full 	ocess.	Changes Summary	Performed	Checked	Date
(3) Approximate of manufacturing pro- (4) At 100% of fu Rev. Performed by	ocess.	Changes Summary	Performed		
(3) Approximate of manufacturing pr (4) At 100% of fu Rev.	ocess.		Performed	Checked Page	Date

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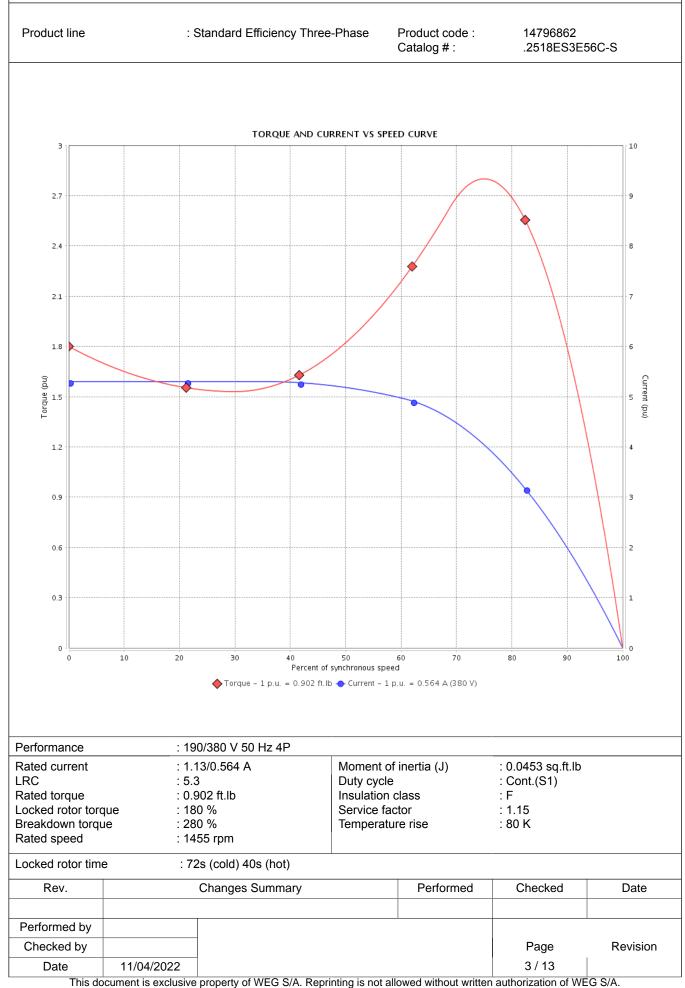
TORQUE AND CURRENT VS SPEED CURVE

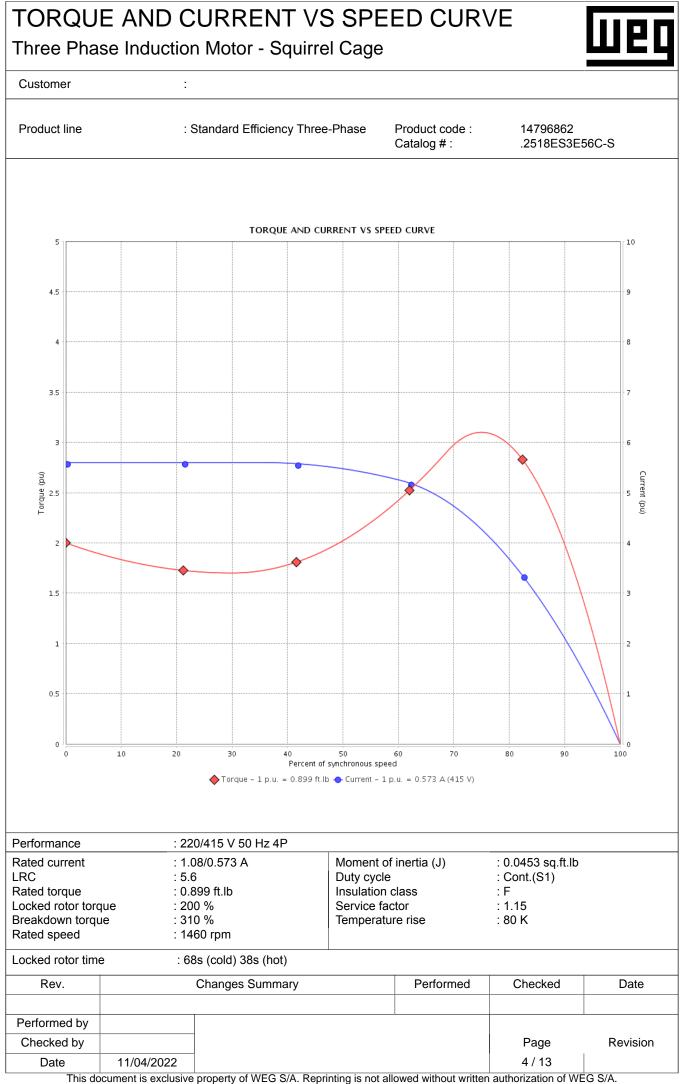
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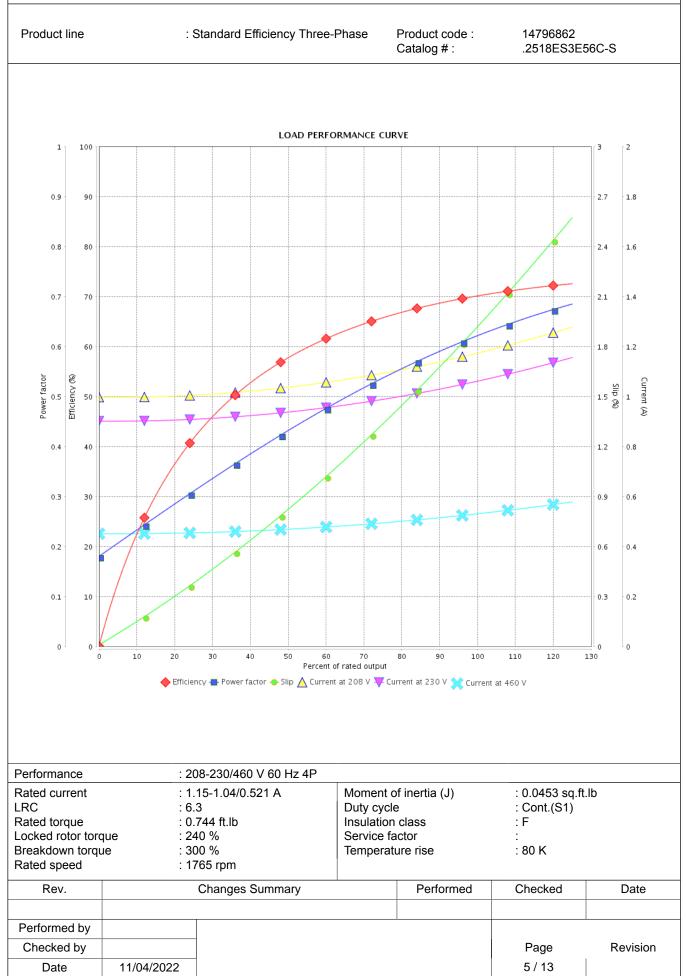


LOAD PERFORMANCE CURVE

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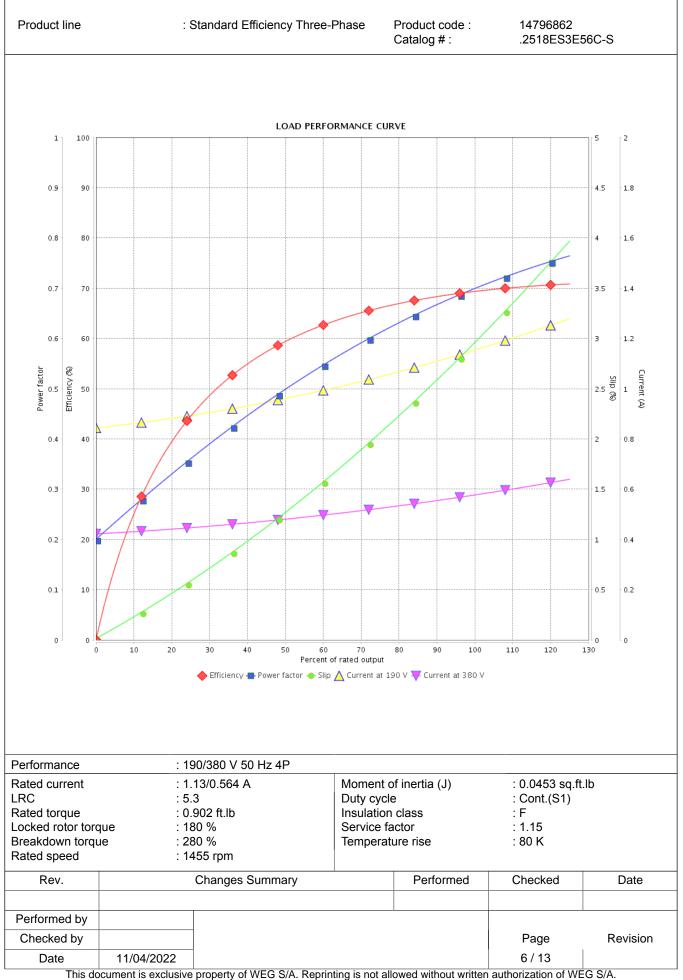
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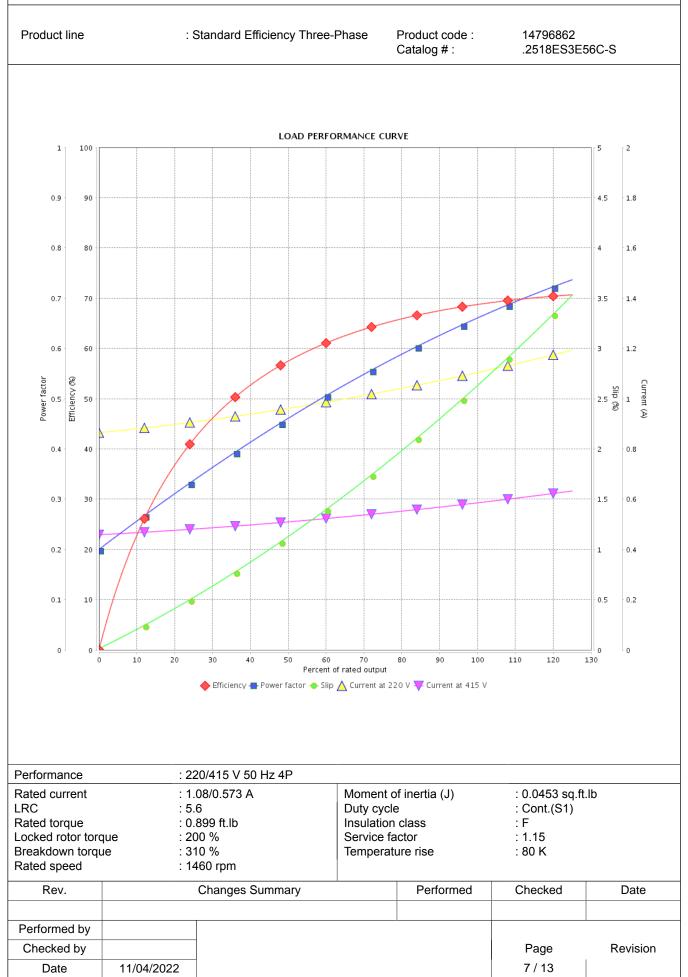


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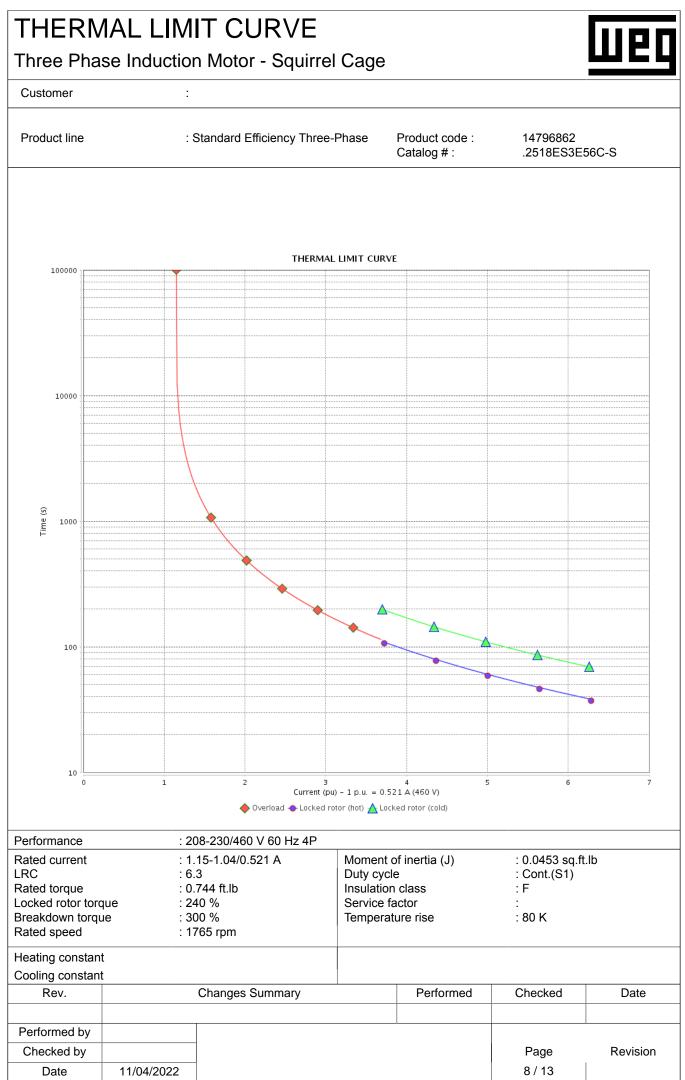
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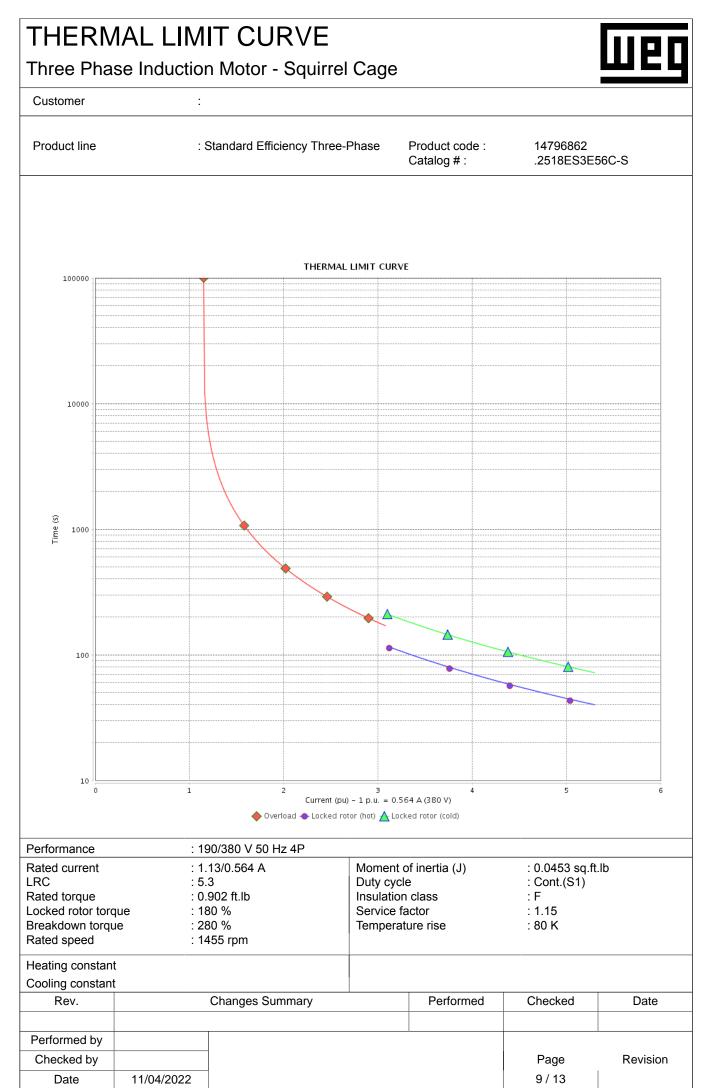
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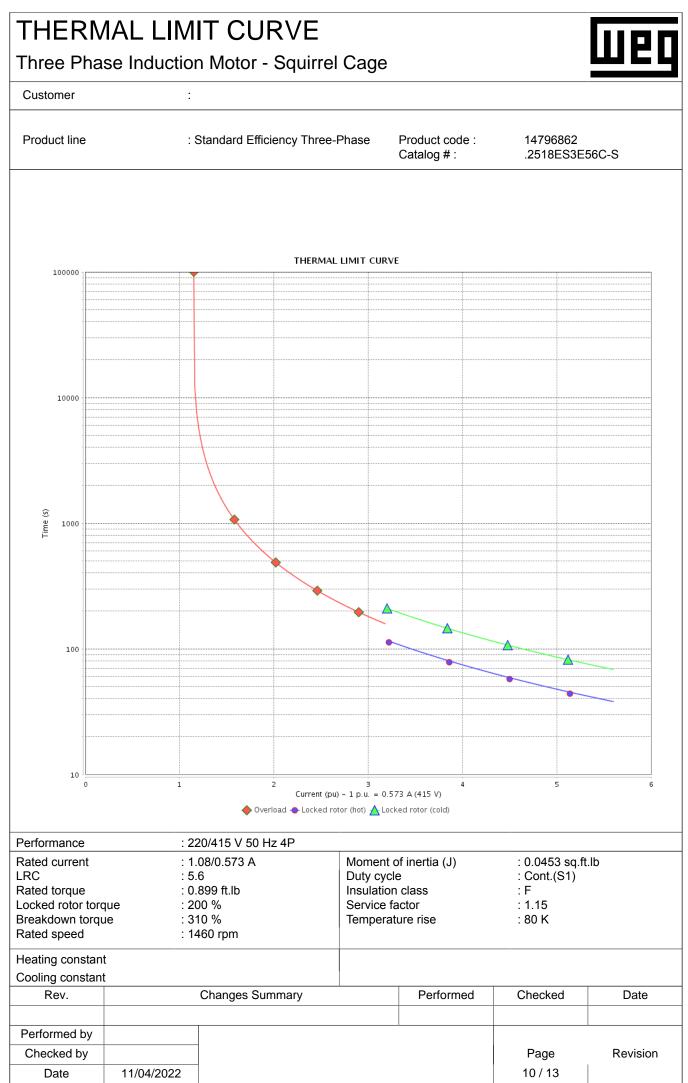
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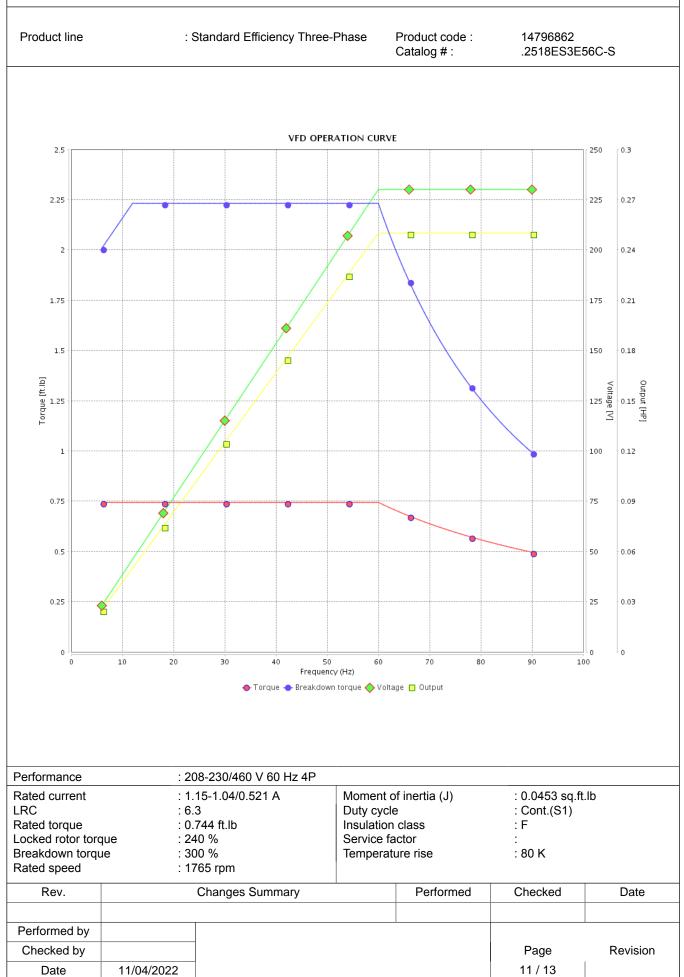
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VFD OPERATION CURVE

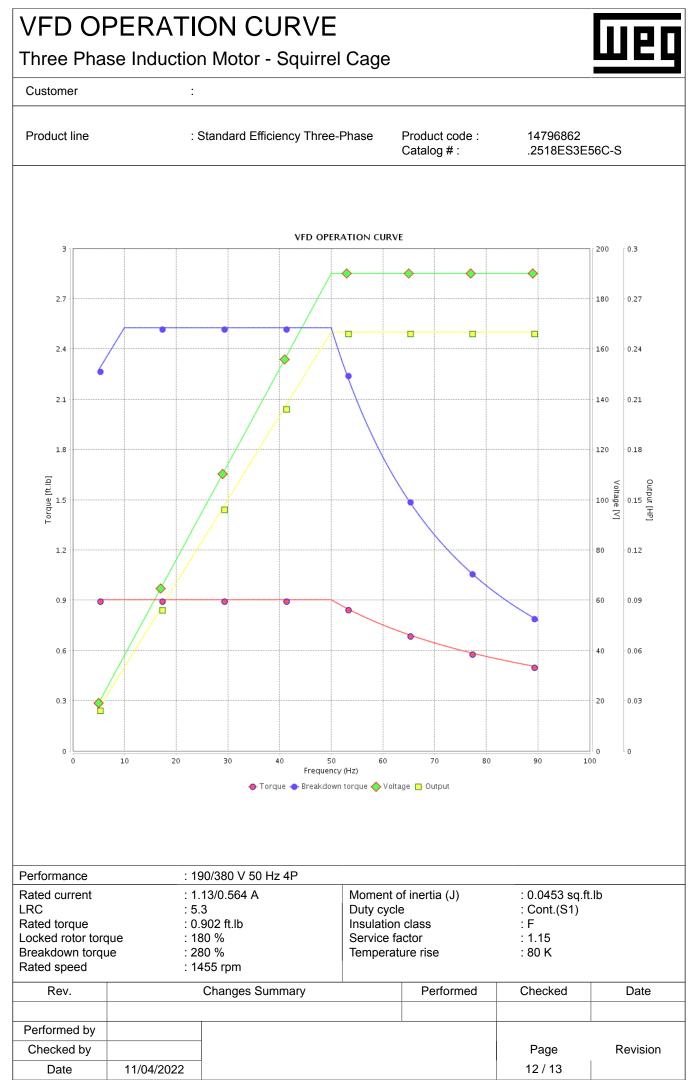
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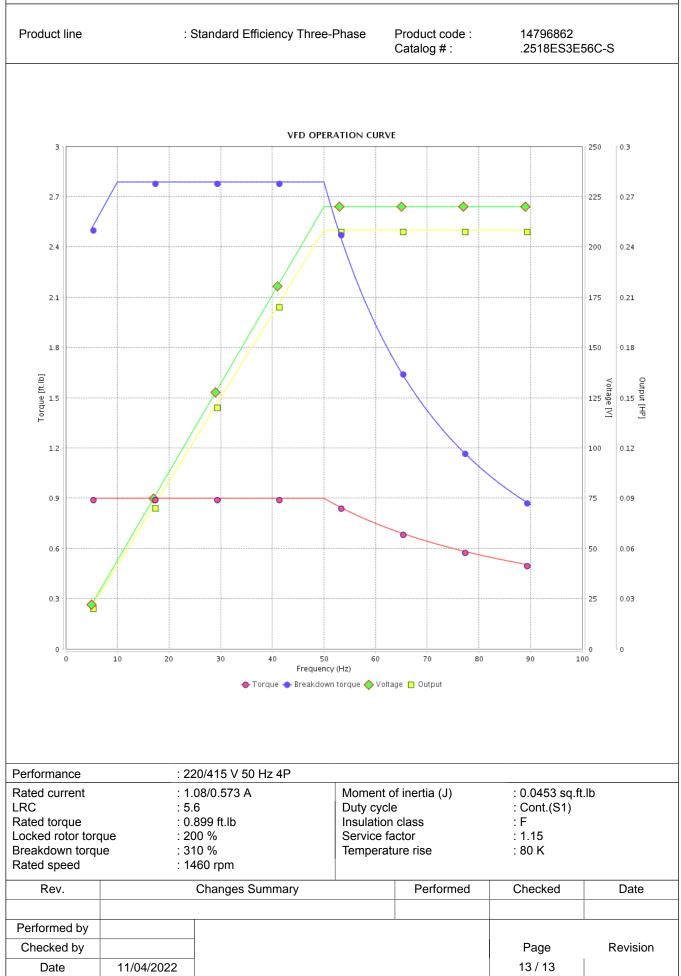
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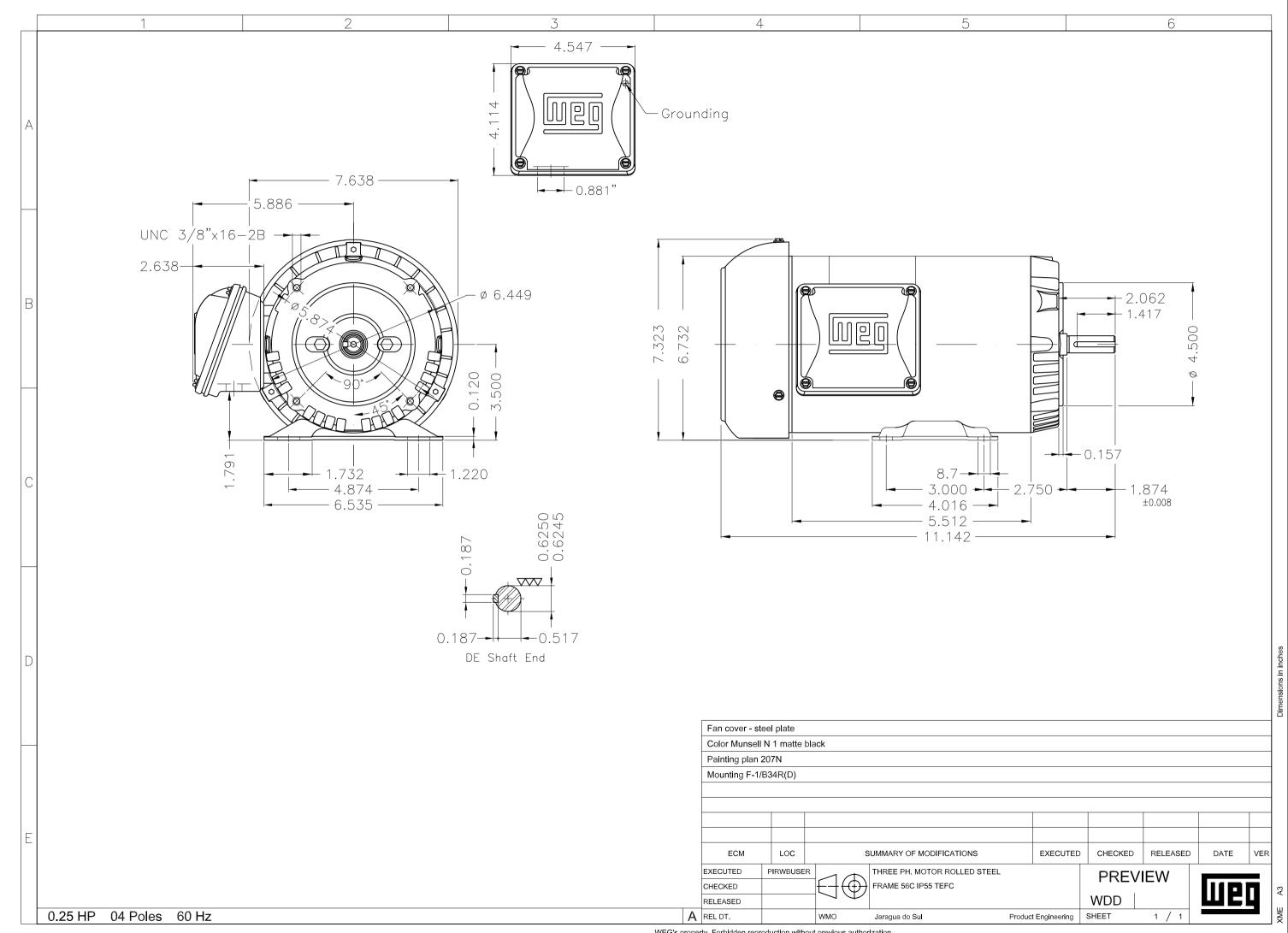
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MADE IN BRAZIL

MAT: 14796862 N01.TE0IC0X0X

MODEL .2518ES3E56C-S

Class I, DIv.2, Gr. A,B,C,D - T3 Div 2 Inverter Duty (SF1.00)

For 60Hz: Class I, Zone 2, IIC

	, N			1.0001 17/1:2 10	5
Hz	Hz 60	HP 0.25			
56C		kW 0.18	~		
CONT.		V 208	208-230/460		
1000 m.a.s.l		A 1.15	1.15-1.04/0.521		
INS CL F AT 80K	IP55		1.15-1.20/0.599		
40°C	DES -	SF 1.15			
ENCL TEFC	CODE M	DDM 1765			
USABLE @ 208V SF1.00	-1.00	- <u>+</u>	50.0%		
ALTERNATE RATING: 0.25HP		50Hz	190-220/380-415V	SF1.15	Γ
1.13-1.10/0.564-0.585A		1455RPM	EFF 67.9% (IE2)	2) IEC 60034-1	7
ife area-Inve	erter duty mot	or For 60Hz	For safe area-Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 10:1 CT	0:1 VT, 10:1 C	⊢
DE 6203-ZZ 01	ODE 6202-ZZ	MOBIL	MOBIL POLYREX EM		

T6-GRY T2-WHT T8-RED T4-YEL **T9-BRK RED I3-ORG** T1-BLU I7-PNK T5-BLK NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION NARNING: Motor must be grounded in accordance with local nd national electrical codes to prevent serious electrical g ∞ g ¥CE κολ ≿

nentation avant l'entrefien de la machine conformément aux codes électriques locaux et nationaux afin d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre chos électrique grave. Déconnectez l'alli

