DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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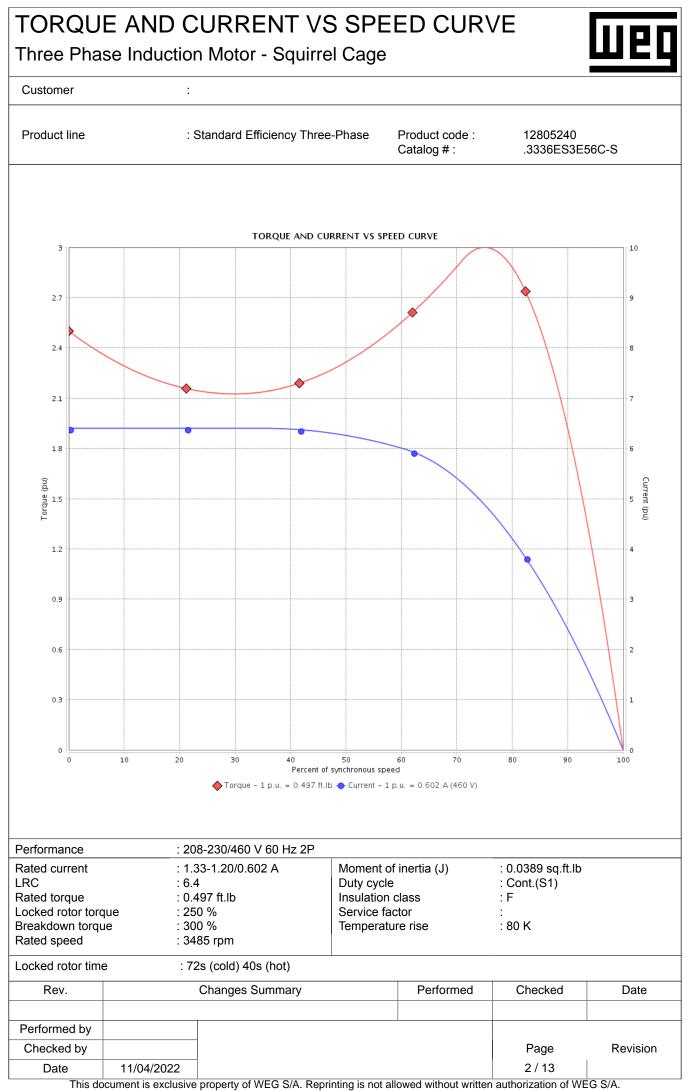
Customer

		: Standard Efficiency Three-Pl	hase Product code : Catalog # :	12805240 .3336ES3E56C-S
Frame		: 56C	Cooling method	: IC411 - TEFC
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		: 1000 m.a.s.l. : IP55	Approx. weight ³	: 17.9 lb
Protection degree	e		Moment of inertia (J)	: 0.0389 sq.ft.lb
Dutput [HP] Poles		0.33	0.33	0.33
requency [Hz]		60	50	50
Rated voltage [V]		208-230/460	190/380	220/415
Rated current [A]		1.33-1.20/0.602	1.27/0.635	1.16/0.613
. R. Amperes [A]		8.52-7.71/3.85	6.73/3.37	6.71/3.56
RC [A]		6.4x(Code L)	5.3x(Code H)	5.8x(Code J)
No load current [A]		0.621-0.720/0.360	0.586/0.293	0.611/0.324
Rated speed [RPM]		3485	2850	2870
Slip [%]		3.19	5.00	4.33
Rated torque [ft.lb]		0.497	0.608	0.604
ocked rotor torqu		250	180	210
Breakdown torque	[%]	300	240	270
Service factor			1.15	1.15
emperature rise		80 K	80 K	80 K
ocked rotor time		72s (cold) 40s (hot)	90s (cold) 50s (hot)	81s (cold) 45s (hot)
loise level ²		68.0 dB(A)	65.0 dB(A)	65.0 dB(A)
Efficiency (%)	25%	44.9	57.8	56.4
	50%	48.0	59.6	58.7
	75%	57.5	65.4	65.2
	100%	62.0	67.2	67.7
	25%	0.44	0.48	0.44
Power Factor	50%	0.72	0.77	0.72
1 Ower 1 detor	75%	0.79	0.85	0.82
	100%	0.84	0.89	0.87
			Foundation loads	
Bearing type		: 6203 ZZ 6202 ZZ	Max. traction	: 7 lb
Sealing		: V'Ring Without	Max. compression	: 24 lb
		Bearing Seal		
I				
Lubrication interv				
Lubricant amoun		 		
Lubricant amoun Lubricant type		Mobil Polyrex EM		
Lubricant amoun	t	Mobil Polyrex EM		
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1	t SF 1.00 aces and can ad. otor from the m and with to veight subjectocess.	cel the previous one, which	•	based on tests with sinusoidal le tolerances stipulated in NEM/
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	t SF 1.00 aces and can ad. otor from the m and with to veight subjectocess.	cel the previous one, which shaft end. olerance of +3dB(A).	power supply, subject to th	
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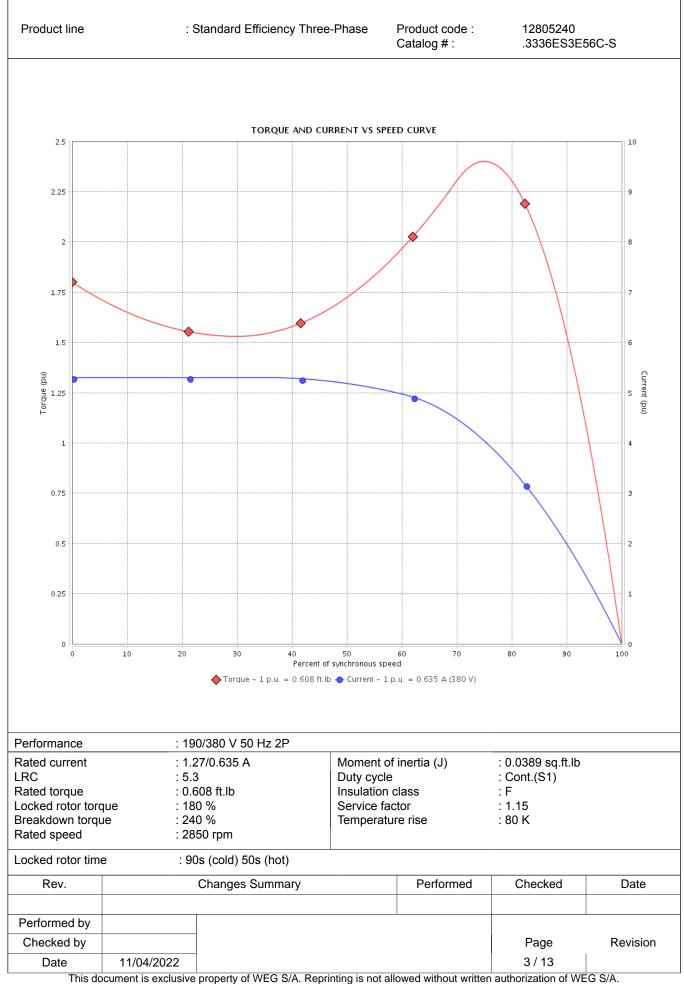
TORQUE AND CURRENT VS SPEED CURVE

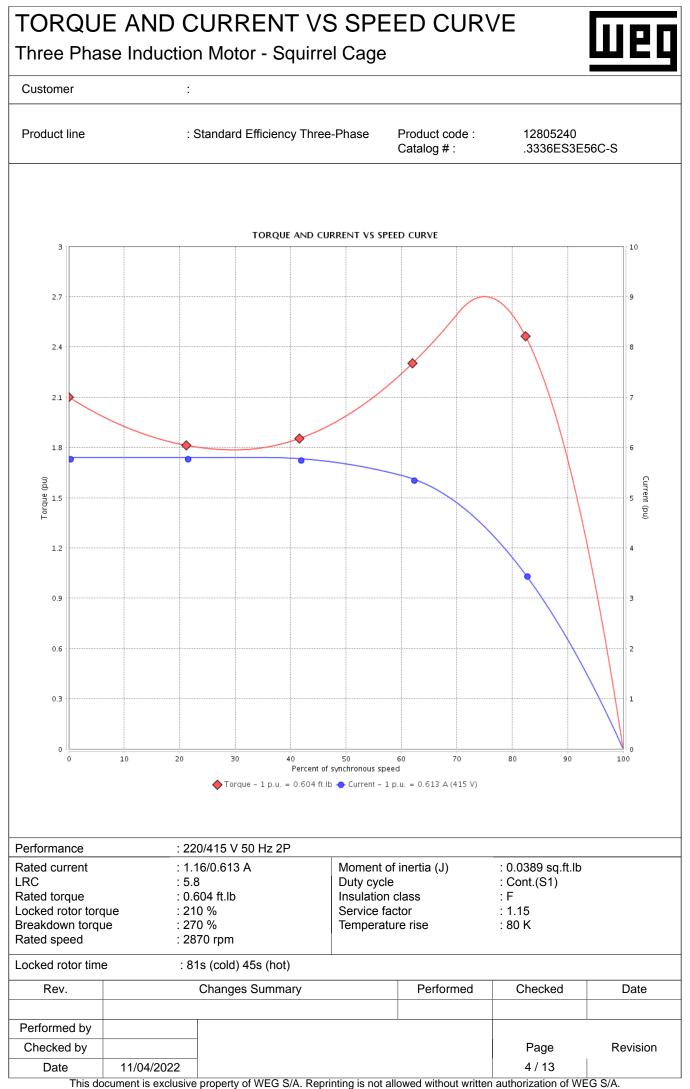
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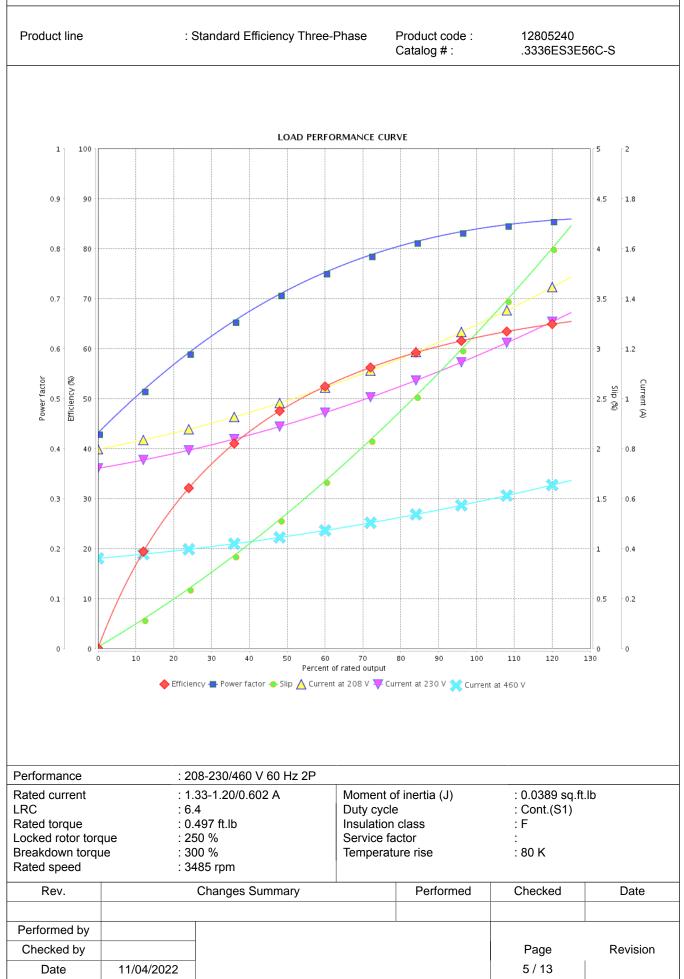


LOAD PERFORMANCE CURVE

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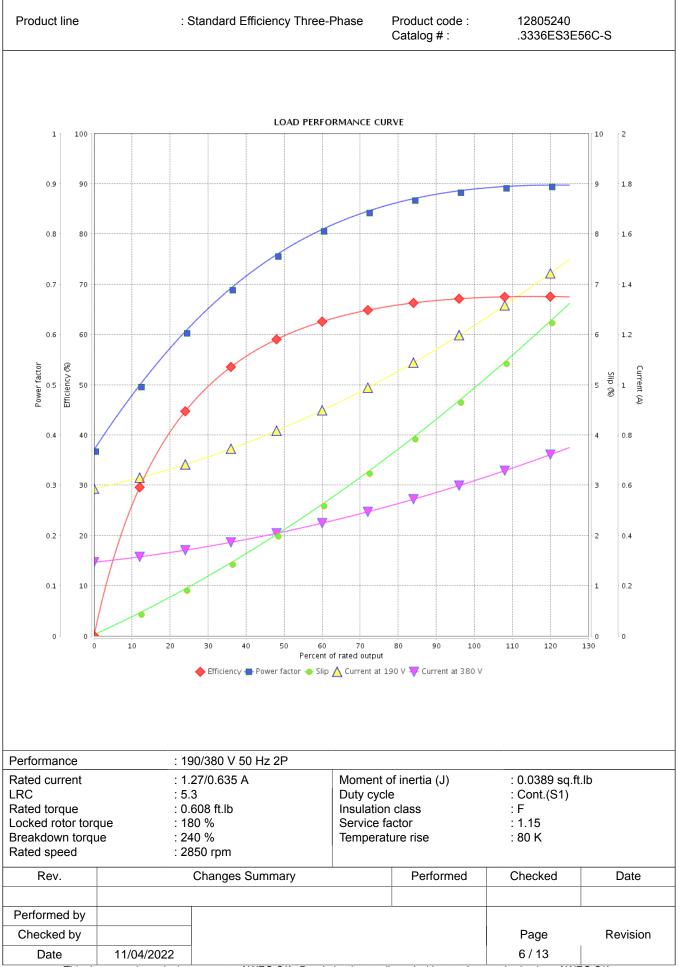
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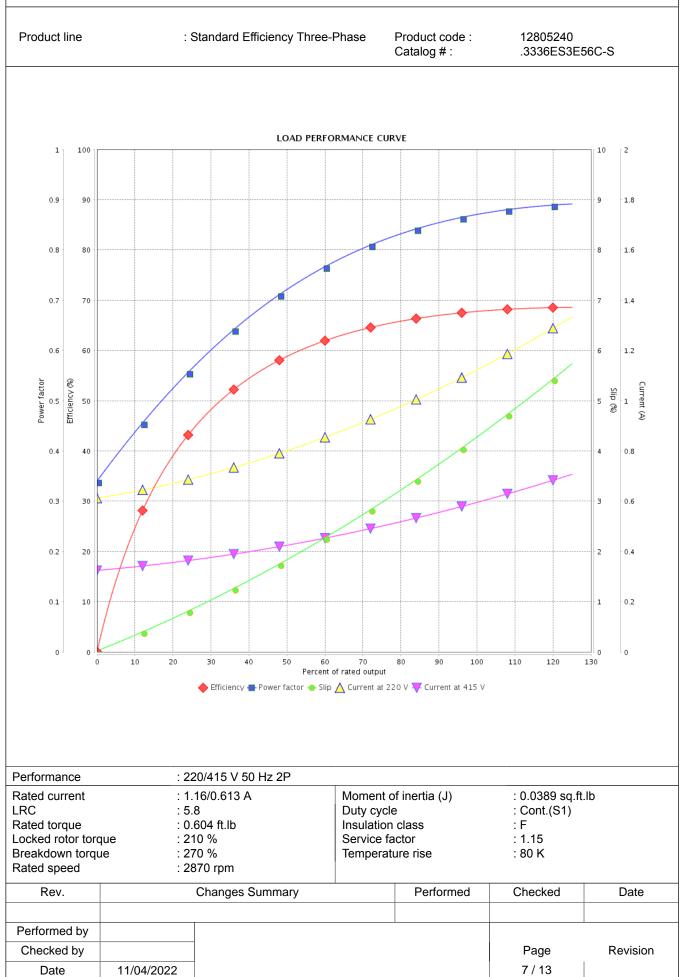
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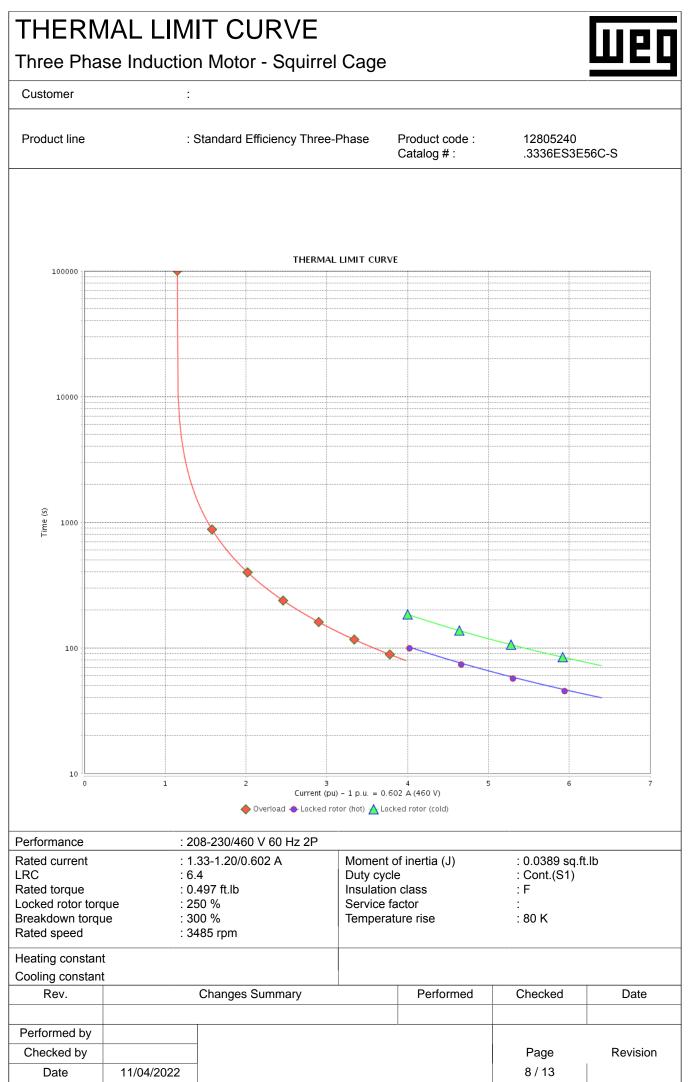
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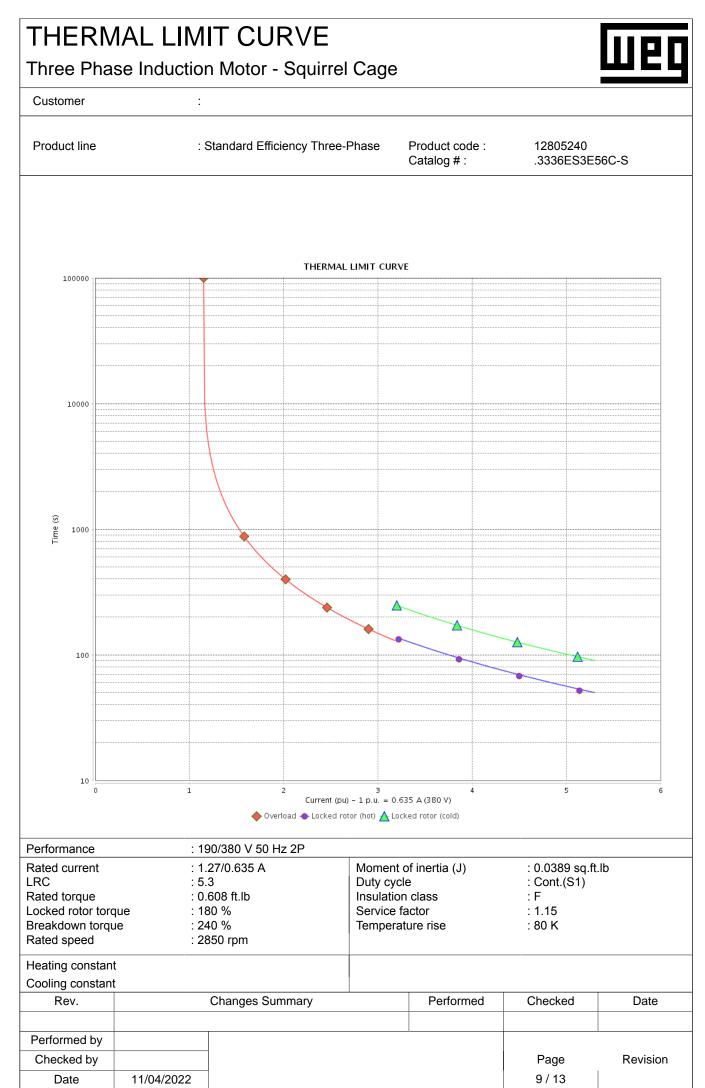
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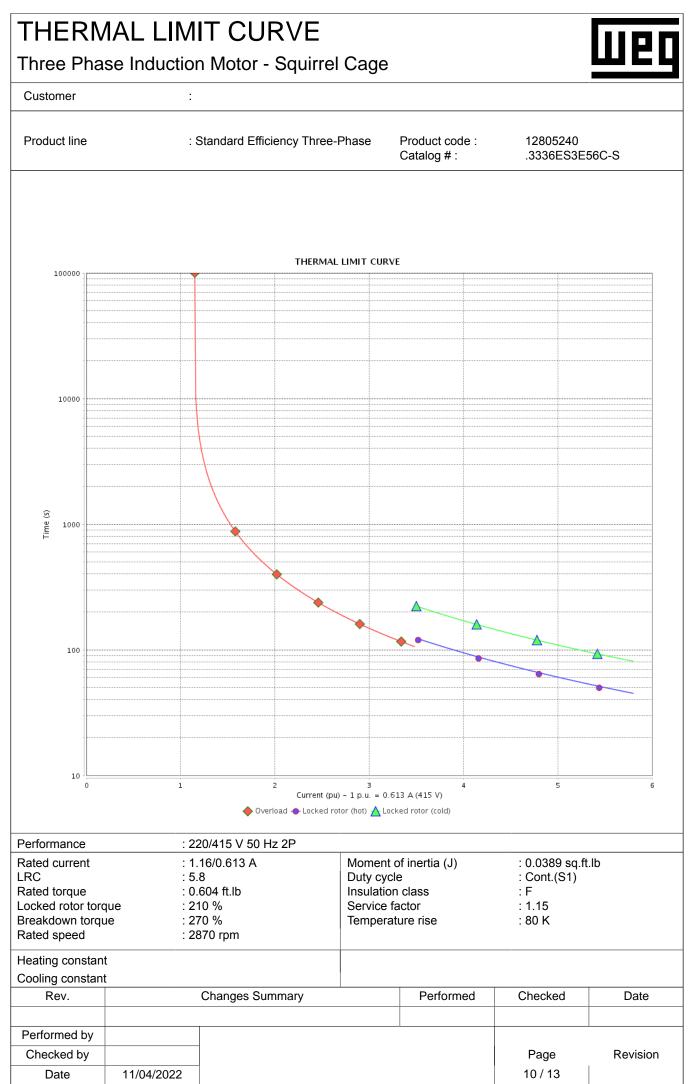
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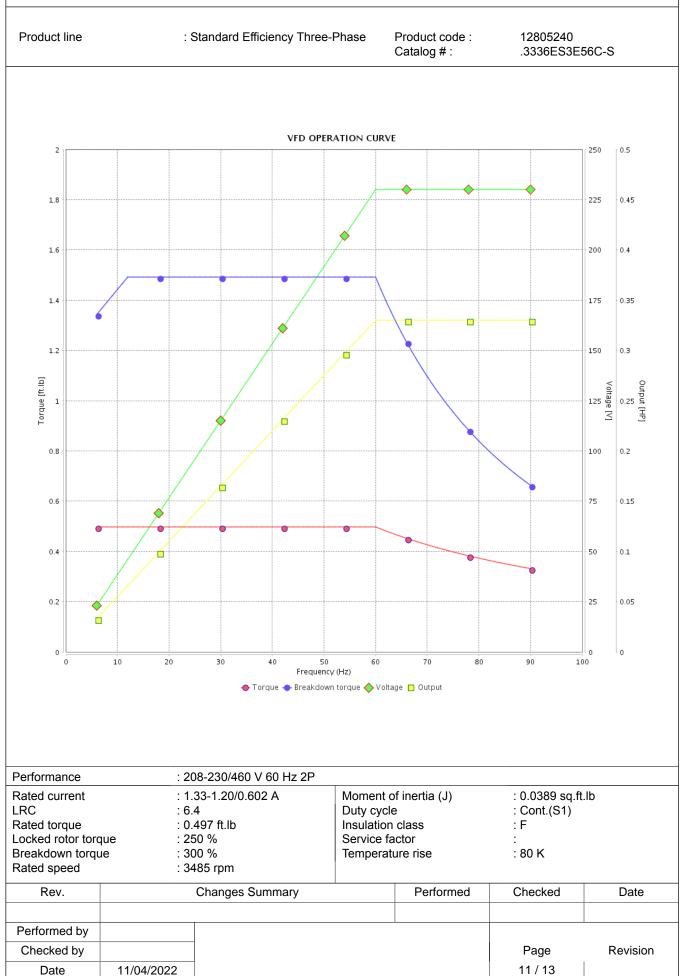
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VFD OPERATION CURVE

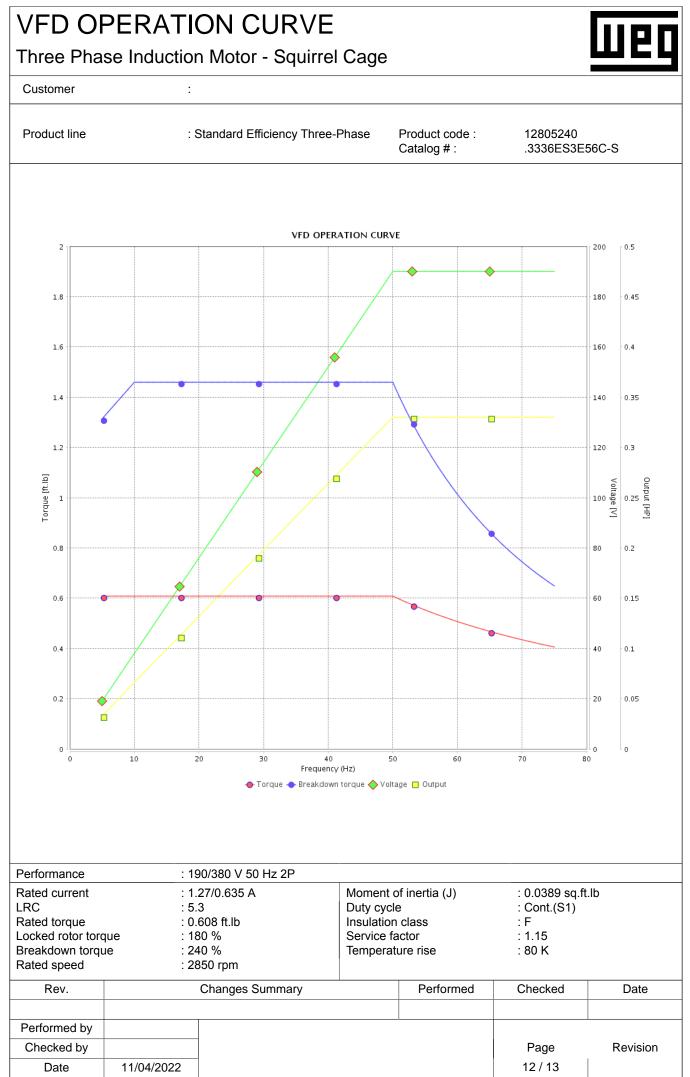
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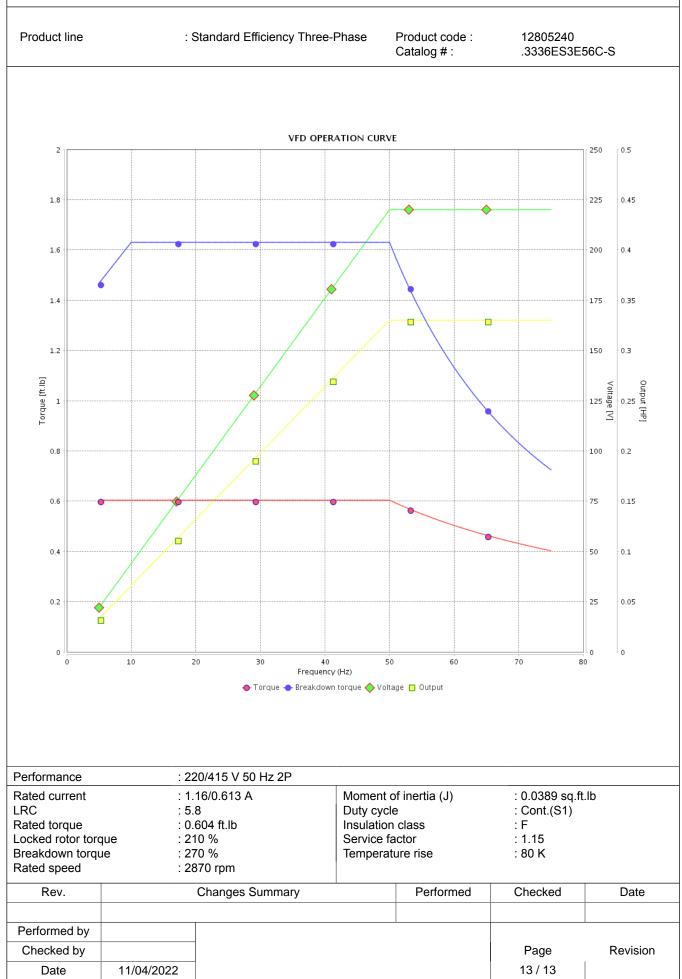
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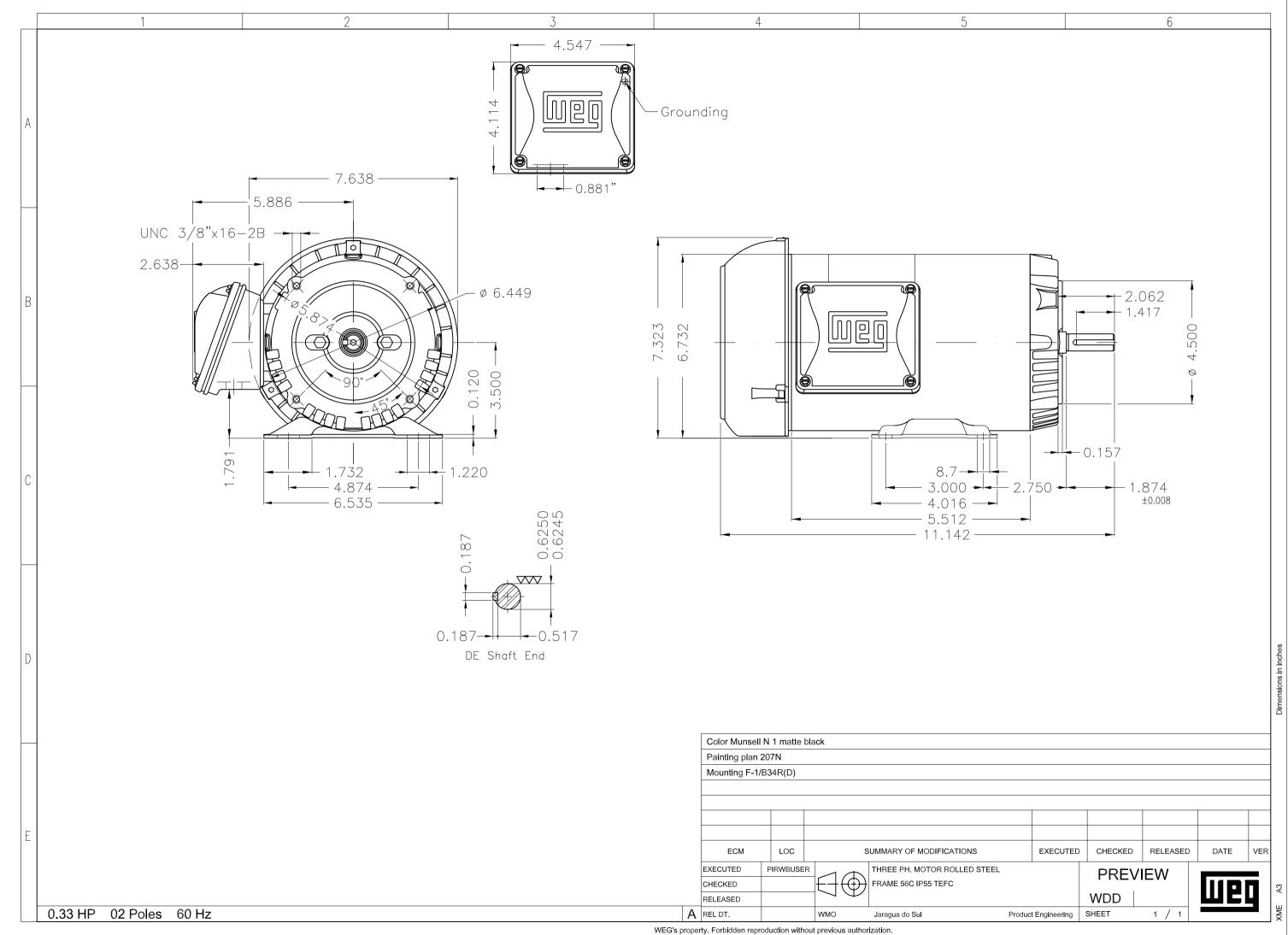
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bam	COUSTED COUSTED COUSTED COUSTED
MADE IN MÉXICO MAT: 12805240	For 60Hz: Class I, Zone 2, IIC
W01.TE0IC0X0X	Class I, DIv.2, Gr. A,B,C,D - T3
MODEL .3336ES3E56C-S	Div 2 Inverter Duty (SF1.00)
19SET2019	CT 2:1/VT 1000:1
PH 3 FR 56C HP(kW)	0.33(0.25)
V 230/460	RPM 3485
A 1.20/0.602	DUTY CONT.
8/0.692	CODE L DES
SF 1.15 INS CL F AT	80K AMB 40°C ENCL TEFC
PF 0.84 NEMAN	NEMA NOM.EFF. 62.0%
<u>8</u>	Ľ.
ERNATE	0.33HP 50Hz 190-220/380-415V SF1.15
1.27-1.14/0.635-0.604A 2	2850RPM EFF 67.2% (IE2) IEC 80034-1
T4 T5 T6	T4 T5 T6
۹ ۱	T1-BLU
	-
Zölri Ir2 Ir3 E	O_T1_T2_T3_T5-BLK_T6-GRY
	α.
YY Ľ1 Ľ2 Ľ3 V	r ti t2 t3
INTERCHANGE ANY TWO L Eve anto area-Inverter dirty motor	INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION Evr and anon-Invertor rinty mattar For ROH 7 1100 AN UPWILL 100011 VT 10-1 CT
DE: 6203-ZZ ODE: 6202	6202-ZZ MOBIL POLYREX EM
WARNING: Motor must be grounded	WARNING: Motor must be grounded in accordance with local and national
electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.	ectrical shocks. Disconnect power
AVERTISSEMENT: Le moteur doit être mis à la terre conformément	e mis à la terre conformément
aux codes électriques locaux et nationaux afin d'éviter tout choc	naux afin d'éviter tout choc
electrique grave. Deconnectez l'alime	electrique grave. Deconnectez l'alimentation avant l'entretien de la machine.