DATA SHEET

Three Phase Induction Motor - Squirrel Cage

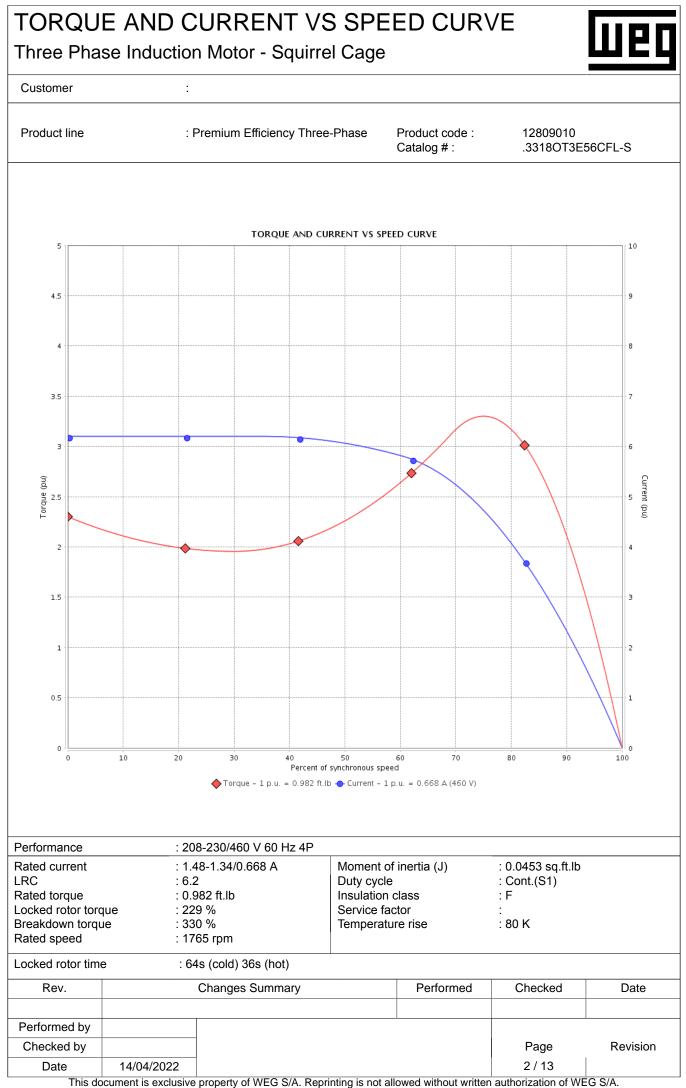
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Customer

Product line		: Premium Efficiency Three-Pf	nase Product code Catalog # :	e : 12809010 .3318OT3E	56CFL-S				
Frame Insulation class Duty cycle Ambient tempera Altitude	ature	: 56C : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)	: IC01 - ODI : F-1 : Both (CW : Direct On I : 17.9 lb : 0.0453 sq.	and CCW) Line				
Output [HP]		0.33	0.33		0.33				
Poles		4	4		4				
requency [Hz]		60	50		50				
Rated voltage [V]		208-230/460	190/380	22	20/415				
Rated current [A]		1.48-1.34/0.668	1.44/0.718		7/0.727				
. R. Amperes [A]		9.16-8.28/4.14	7.32/3.66		27/3.85				
_RC [A]	-	6.2x(Code L)	5.1x(Code J)		(Code K)				
No load current [A		0.948-1.10/0.550	1.04/0.522		1.10/0.581				
Rated speed [RPI	vij	1765	1450		1455				
Slip [%] Patad targua [ft lb	1	1.94 0.982	3.33		3.00				
Rated torque [ft.lb _ocked rotor torqu		229	1.20 160		<u> </u>				
Breakdown torque		330	250		280				
Service factor	~ [/v]	550	1.35		1.35				
Temperature rise		80 K	80 K		80 K				
Locked rotor time		64s (cold) 36s (hot)	77s (cold) 43s (h		ld) 38s (hot)				
Noise level ²		52.0 dB(A)	49.0 dB(A)		0 dB(A)				
	25%	59.2	63.1		60.3				
Efficiency (%)	50%	62.0	65.0		62.7				
	75%	70.0	70.6		69.3				
	100%	73.4	72.5		71.9				
	25%	0.24	0.28		0.25				
Power Factor	50%	0.44	0.51		0.47				
	75%	0.55	0.64		0.59				
	100%	0.64	0.73		0.69				
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		Drive end 6203 ZZ 6202 ZZ Without Without Bearing Seal Bearing Seal Mobil Polyrex EM	Foundation loads Max. traction Max. compression	: 23 lb : 41 lb					
Notes USABLE @208V	′ SF 1.00								
must be eliminate (1) Looking the m	ed. notor from the 1m and with to weight subject ocess.	elerance of +3dB(A).	These are average va power supply, subject MG-1.	alues based on tests wi					
must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr	ed. notor from the 1m and with to weight subject ocess.	shaft end. blerance of +3dB(A).	power supply, subject	to the tolerances stipu					
must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate w manufacturing pr (4) At 100% of fu Rev.	ed. notor from the 1m and with to weight subject ocess.	shaft end. lerance of +3dB(A). to changes after	power supply, subject MG-1.	to the tolerances stipu	lated in NEMA				
must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate w manufacturing pr (4) At 100% of fu Rev. Performed by	ed. notor from the 1m and with to weight subject ocess.	shaft end. lerance of +3dB(A). to changes after	power supply, subject MG-1.	to the tolerances stipu	lated in NEMA				
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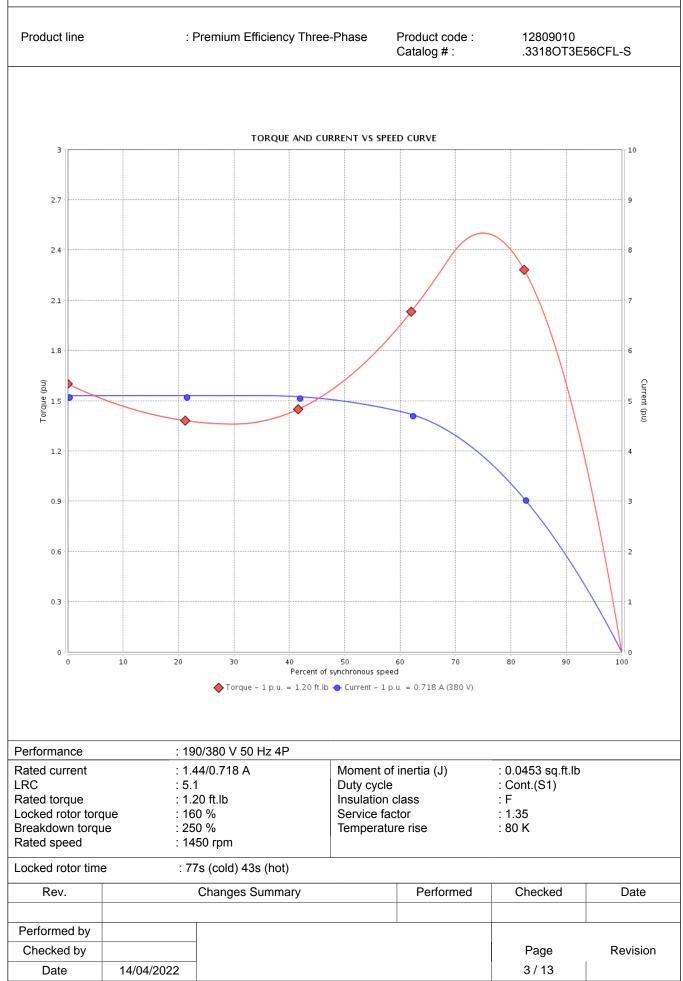


TORQUE AND CURRENT VS SPEED CURVE

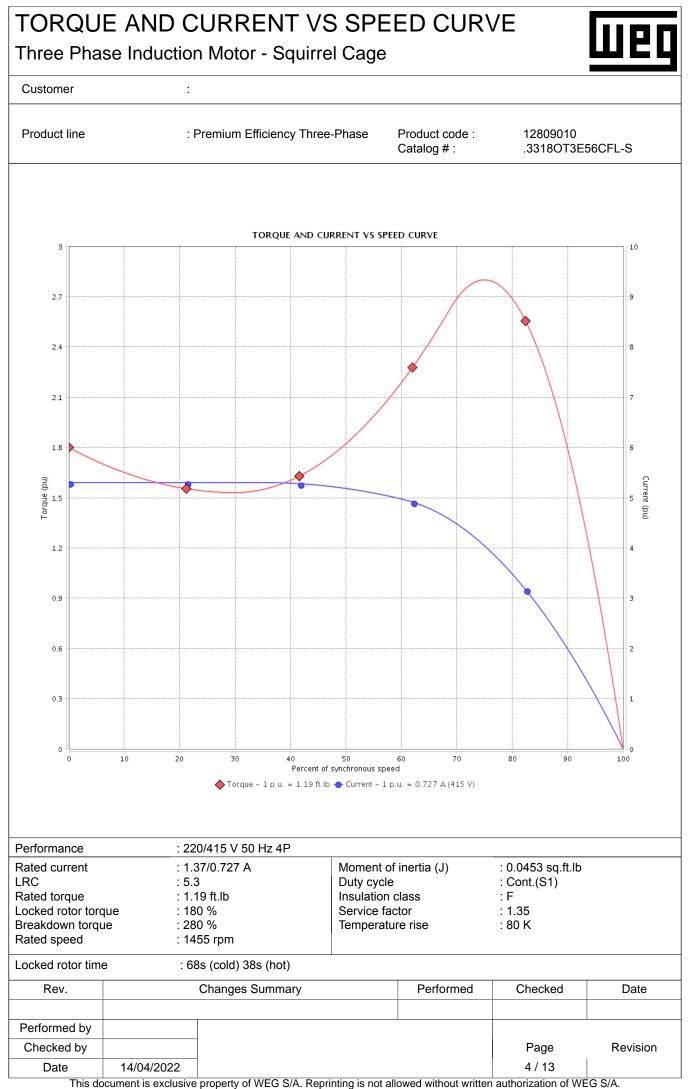
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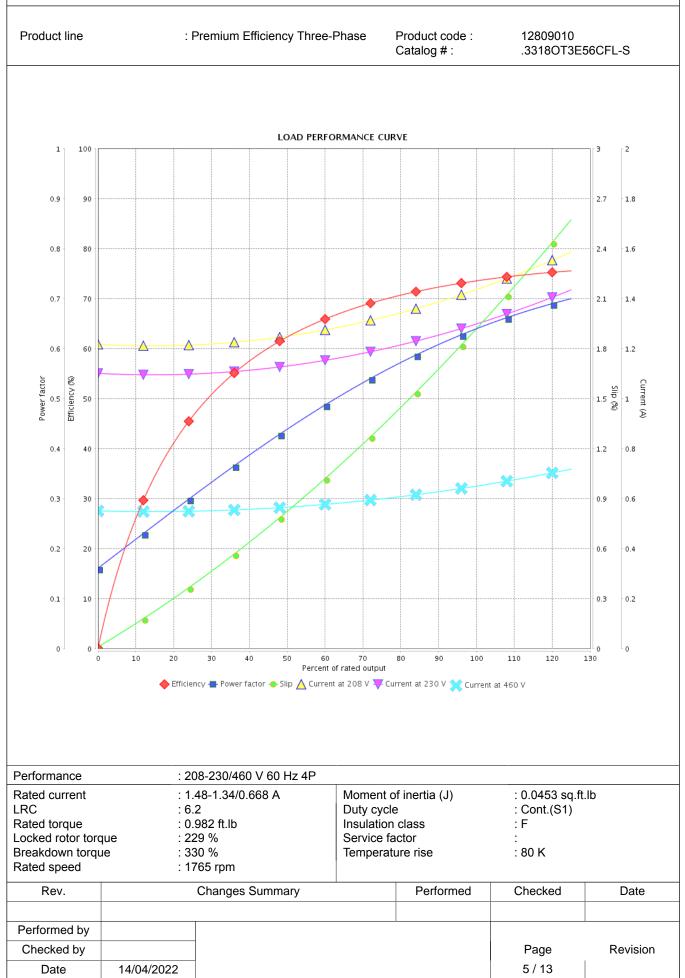


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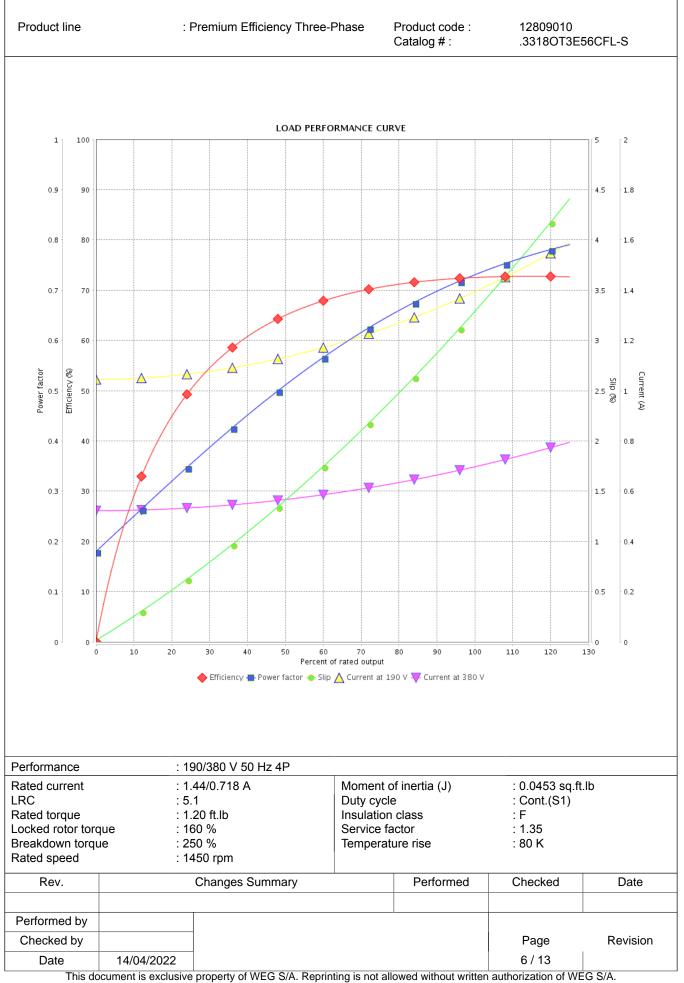
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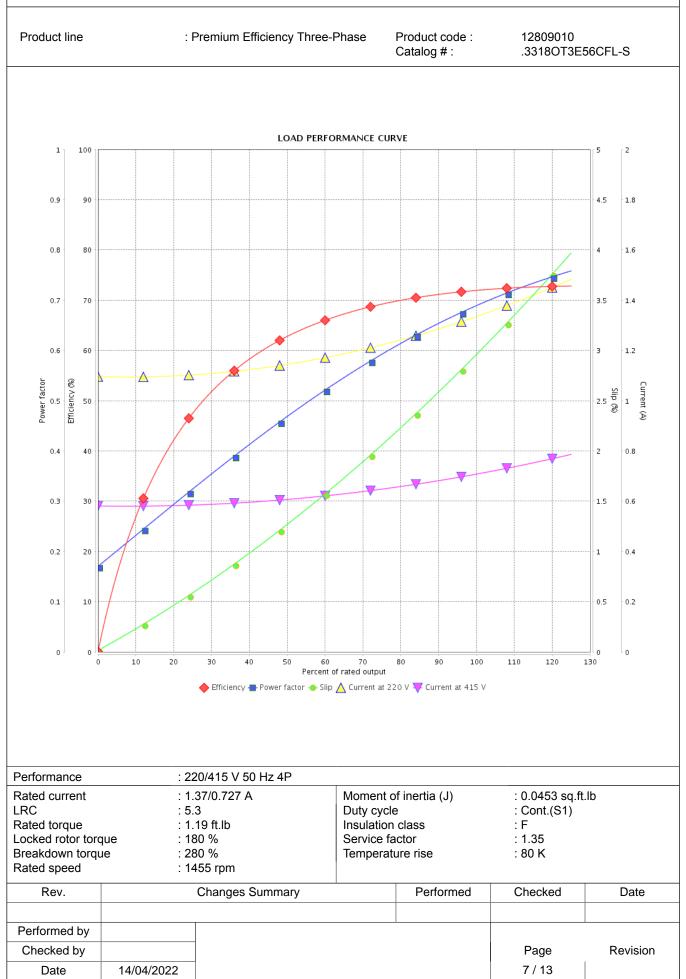


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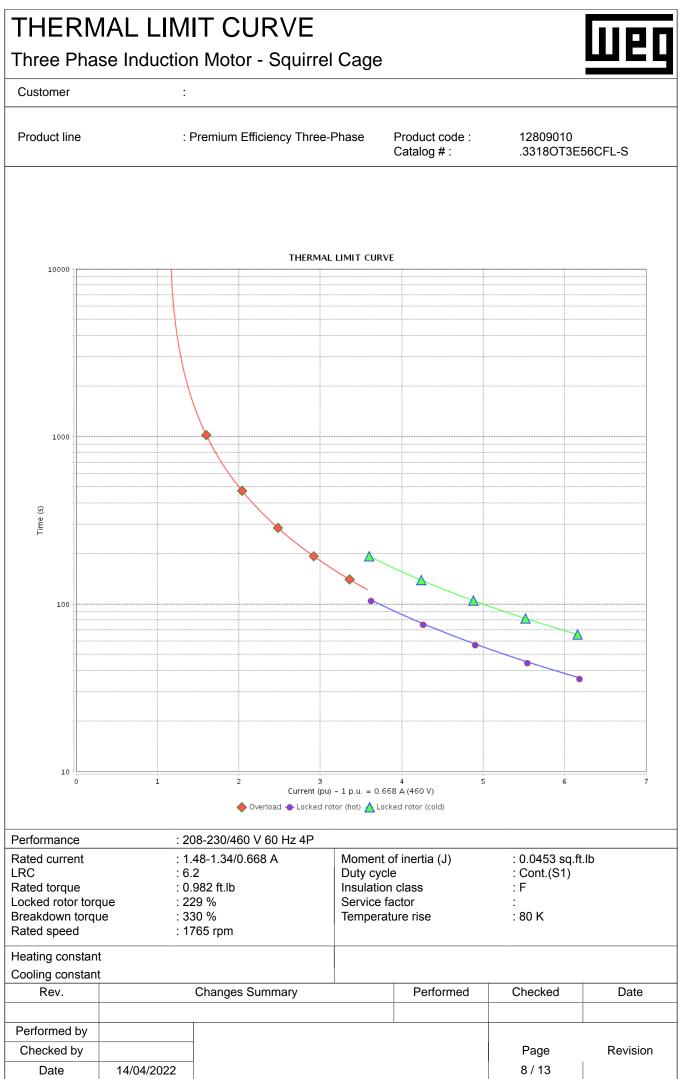
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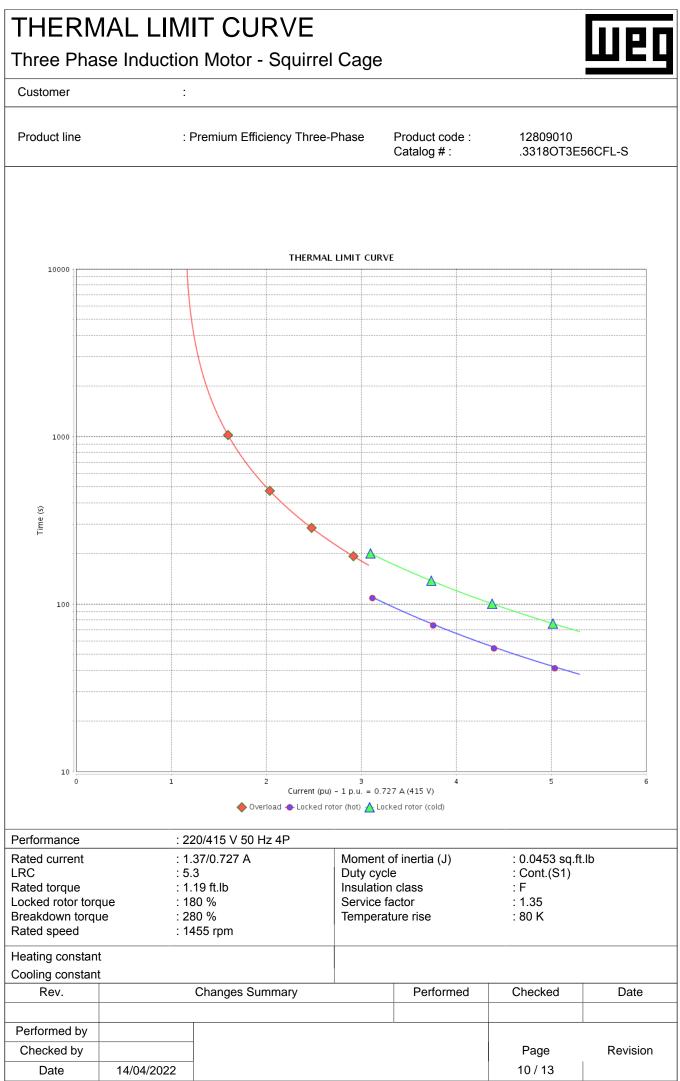
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Product line	: Premium Efficien	Cy Three-Phase	Product code : Catalog # :	12809010 .3318OT3E5	6CFL-S
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0	1 2	3 Current (pu) - 1 p.u. = (5	6
		d 🔶 Locked rotor (hot) 📥	Locked Fotol (Lold)		
erformance	: 190/380 V 50 Hz 4				h
ated current RC	: 1.44/0.718 A : 5.1	Duty c	nt of inertia (J) /cle	: 0.0453 sq.ft.l : Cont.(S1)	U
ated torque	: 1.20 ft.lb	Insulat	ion class	: F	
ocked rotor torque eakdown torque	: 160 % : 250 %		e factor rature rise	: 1.35 : 80 K	
ated speed	: 1450 rpm				
eating constant					
ooling constant					
Rev.	Changes Summ	hary	Performed	Checked	Date

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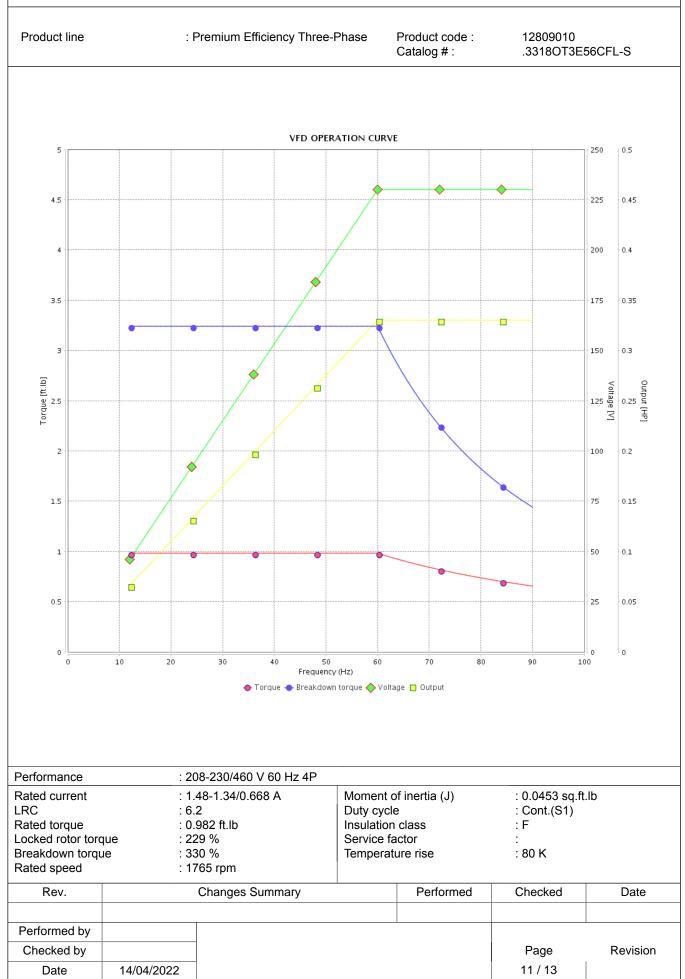
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VFD OPERATION CURVE

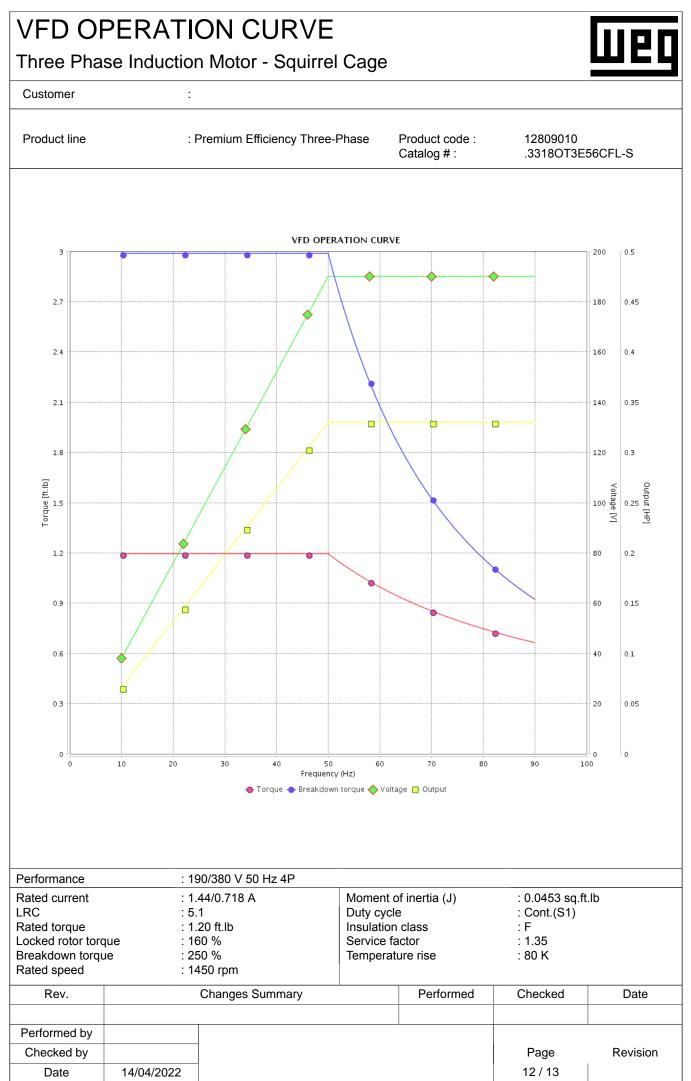
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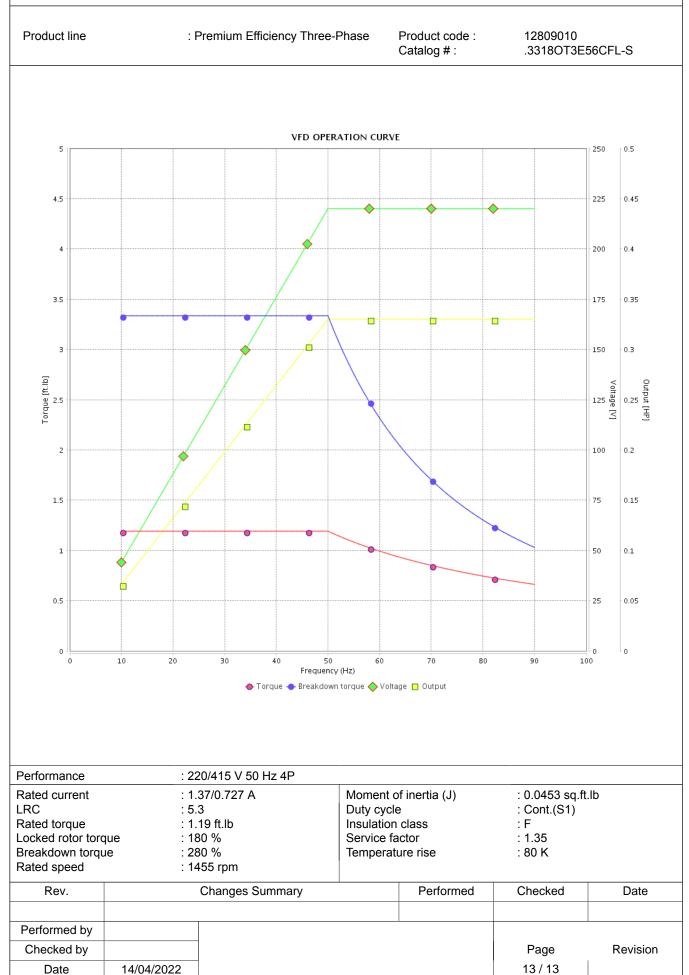
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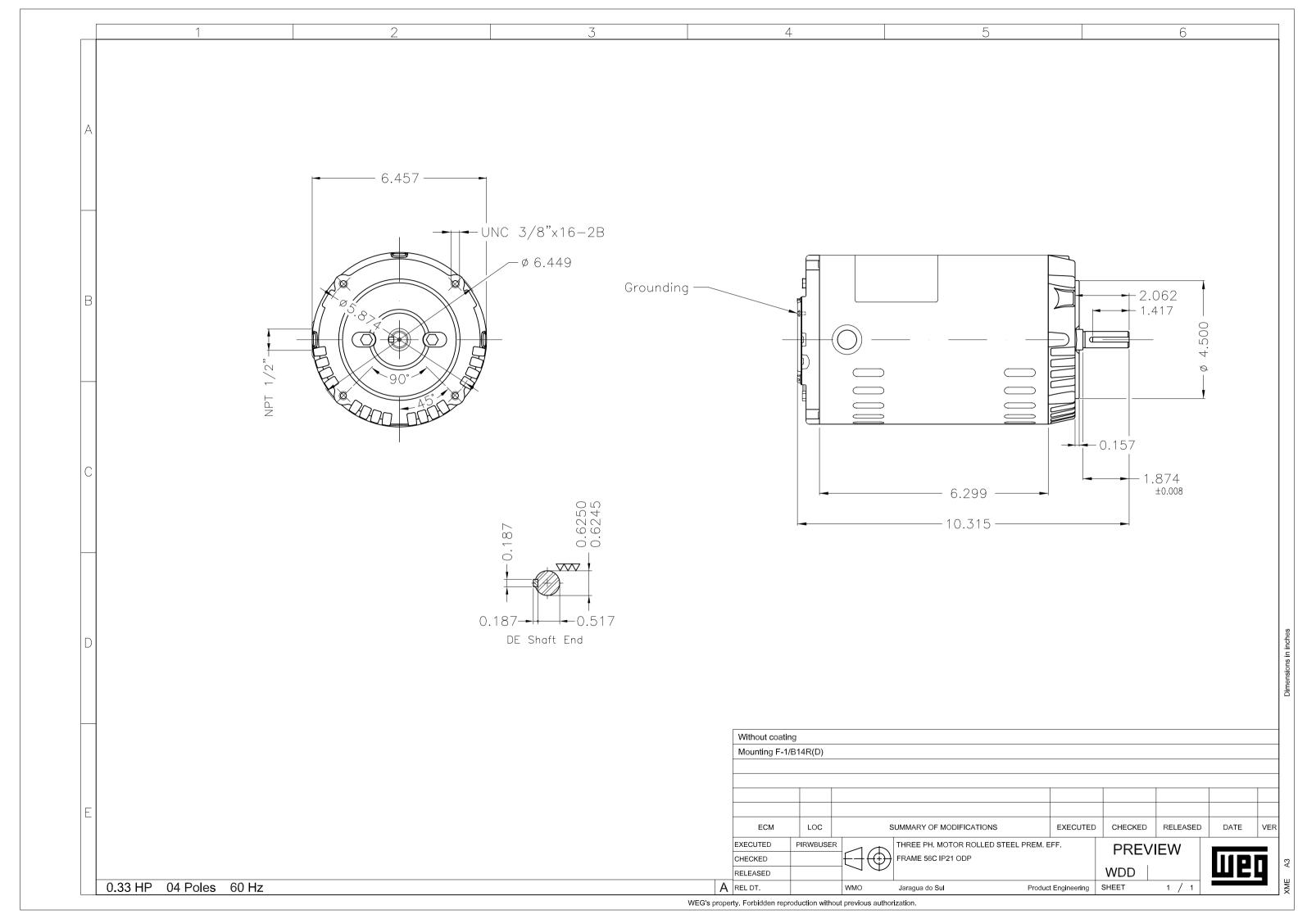
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	CE		HP 0.33 kw 0.25		A 1.34/0.508	PF 0.54 DDM 4765	-	50Hz 190-220/380-415V SF1.35 1450RPM EEF 71.2% /IE2/ IEC 60034-1	te on VPWM 1000:1 VT, 5:1	MOBIL POLYREX EM	T4 T5 T6	ETT TR TO THE TO THE TO THE	 Ω.	RES TO REVERSE THE ROTATION HOW TO THE ROTATION	ANDNING: Motor must be grounded in accordance with local and informational electrication accords by the work sections in the shocks. Disconnect power source before servicing unit.	AVERTISSEMENT: Le moteur doit ête mis à la terre de la constance locaux et nationaux afin d'éviter tout odes électriques locaux et nationaux afin d'éviter tout e. Déconnectez l'alimentation avant l'entrefen de la machine.
LLED Premium	MADE IN MÉXICO MAT: 12809010 W01.TO0IC0X0X	DEL .3318C EB2022	PH 3 Hz 60 FR 56C	DUTY CONT.	ALT 1000 m.a.s.l	ENCL ODP CODE M	USABLE @ 208V 1.48A SF1.00	ALTERNATE RATING: 0.33HP 5 1.44-1.40/0.718-0.740A	Inverter duty motor For	DE 6203-ZZ ODE 6202-ZZ	T4 T5 T6	NACE TO TO TO TO		INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION	WARNING: Motor must be grou and national electrical codi shocks. Disconnect powe	AVERTISSEMENT. Le moteur doit être mis à la terre conformément aux codes électriques locaux et nationaux afin d'évrier tout choc électrique grave. Désonnecter l'alimentation avant l'entreflen de la machine.