DATA SHEET

Three Phase Induction Motor - Squirrel Cage

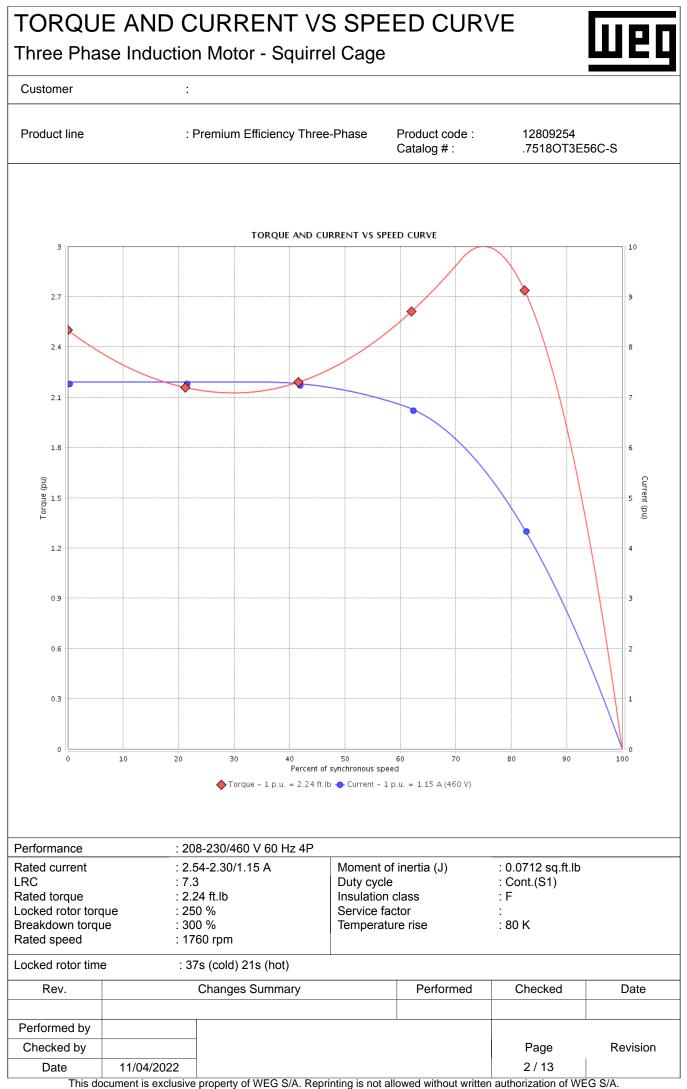
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Customer

Product line		: Premium Efficiency Three-Ph		oduct code : talog # :	12809254 .7518OT3E56C-S		
Frame Insulation class Duty cycle Ambient temperature Altitude		: 56C : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 23.9 lb		
			Moment of	inertia (J)	: 0.0712 sq.	.ft.lb	
Output [HP]		0.75		0.75		0.75	
Poles		4		4		4	
Frequency [Hz]		60		50		50	
Rated voltage [V] Rated current [A]		208-230/460 2.54-2.30/1.15		90/380 62/1.31		20/415 43/1.29	
L. R. Amperes [A]		18.5-16.8/8.40				.1/8.00	
LRC [A]		7.3x(Code K)	14.9/7.47 5.7x(Code H)			6.2x(Code J)	
No load current [A	1	1.38-1.60/0.800	1.53/0.763			1.59/0.844	
Rated speed [RPI		1760		1445		1450	
Slip [%]	-	2.22		3.67		3.33	
Rated torque [ft.lb]	2.24		2.73		2.72	
Locked rotor torqu	ue [%]	250		170		190	
Breakdown torque	¥ [%]	300	240			270	
Service factor			1.25			1.25	
Temperature rise		80 K	80 K			80 K	
Locked rotor time		37s (cold) 21s (hot)		old) 24s (hot)		ld) 21s (hot)	
Noise level ²	05%	52.0 dB(A)	49	.0 dB(A)		0 dB(A)	
Efficiency (%)	25%	71.6		76.5		74.1	
	50% 75%	74.0 78.5		76.6 79.2	75.0		
	100%	81.1		79.2	78.6		
	25%	0.29		0.34		0.31	
	50%	0.52		0.60		0.55	
Power Factor	75%	0.65		0.73		0.69	
	100%	0.74		0.81	0.78		
	1	Drive end Non drive end	Foundation	loads	1		
Bearing type Sealing	:	: 6203 ZZ 6202 ZZ : Without Without Bearing Seal Bearing Seal	Max. tractio Max. compr	n	: 60 lb : 84 lb		
Lubrication inter Lubricant amour Lubricant type		· · · · · · · · · · · · · · · · · · ·					
Notes USABLE @208V	' SF 1.00						
must be eliminate (1) Looking the m (2) Measured at 7	ed. notor from the 1m and with to weight subject ocess.	cel the previous one, which shaft end. blerance of +3dB(A). t to changes after			s based on tests wi ne tolerances stipu		
manufacturing pr (4) At 100% of fu	ii load.						
manufacturing pr		Changes Summary		Performed	Checked	Date	
manufacturing pr (4) At 100% of fu Rev.		Changes Summary		Performed	Checked	Date	
manufacturing pr (4) At 100% of fu Rev. Performed by		Changes Summary		Performed			
manufacturing pr (4) At 100% of fu Rev.	11/04/2022			Performed	Checked Page 1 / 13	Date	

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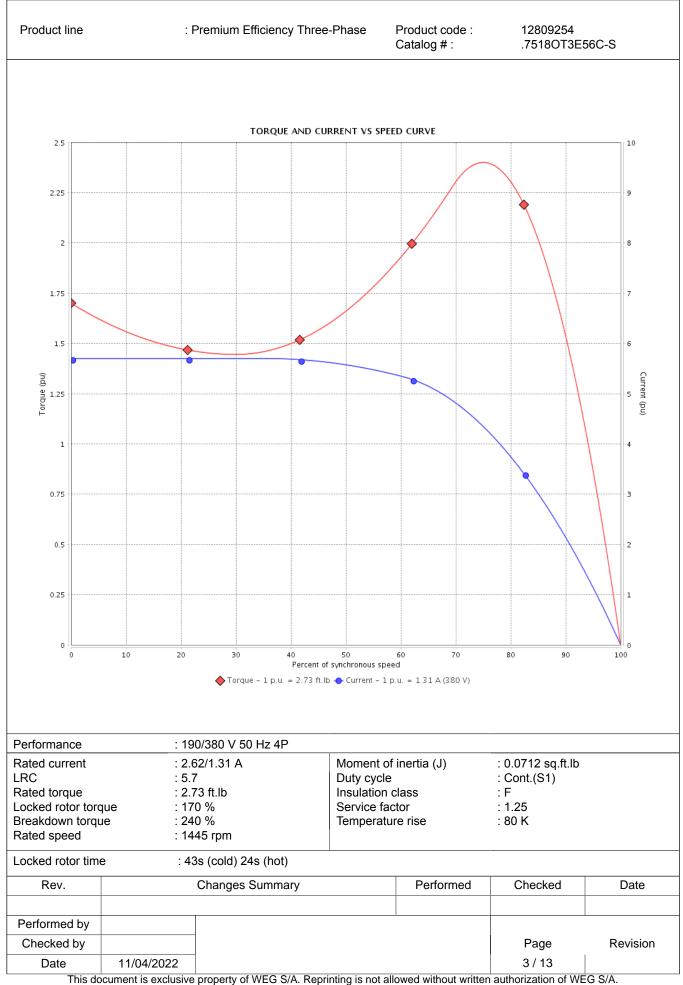
TORQUE AND CURRENT VS SPEED CURVE

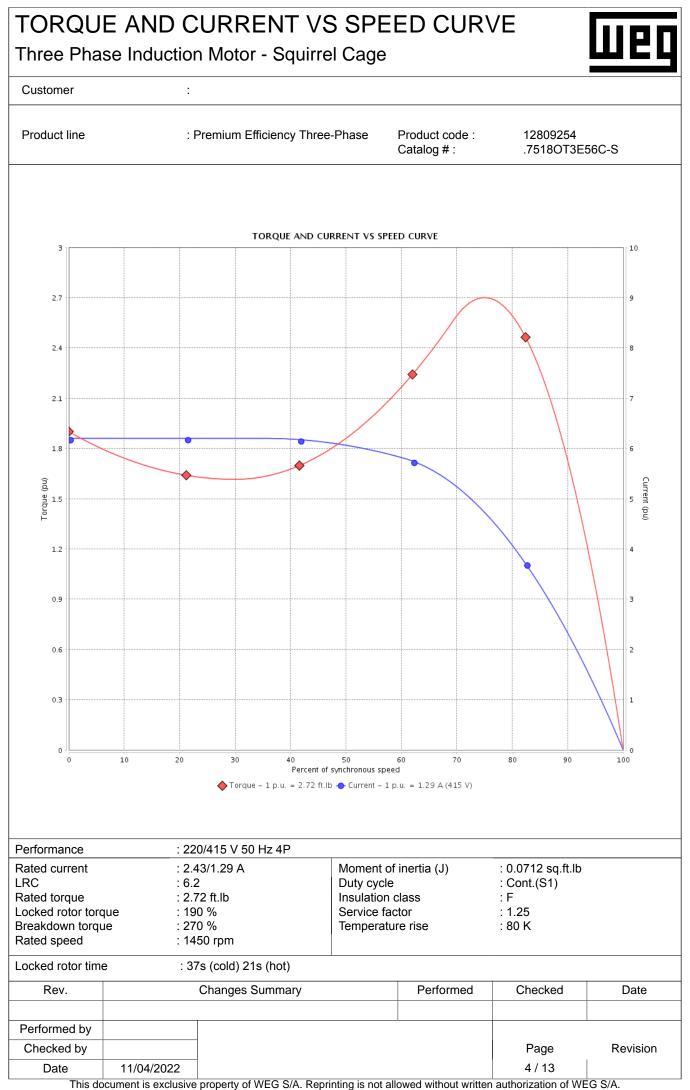
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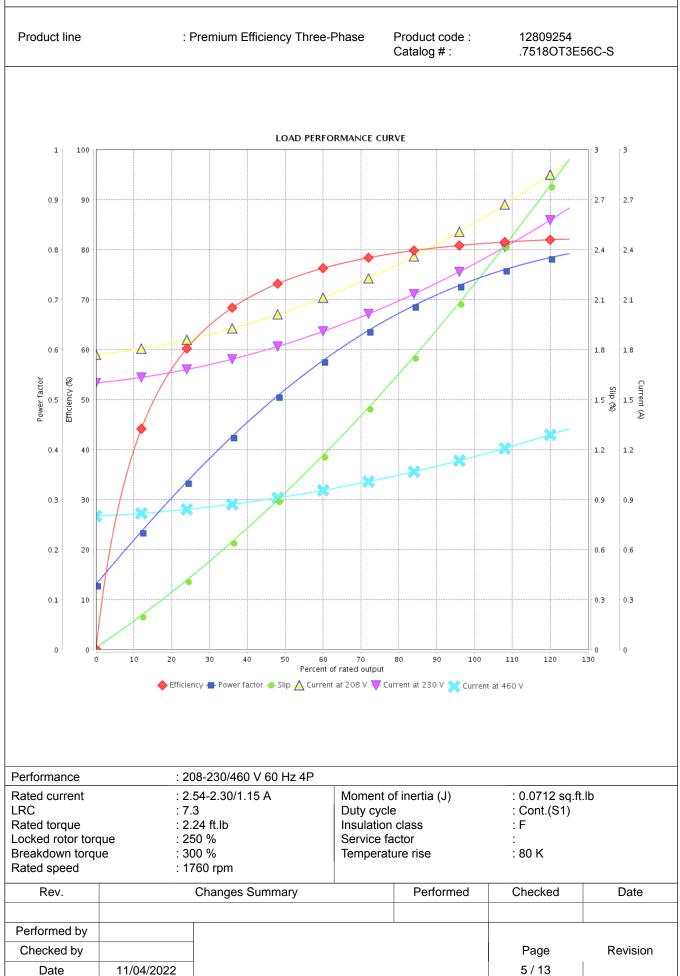


LOAD PERFORMANCE CURVE

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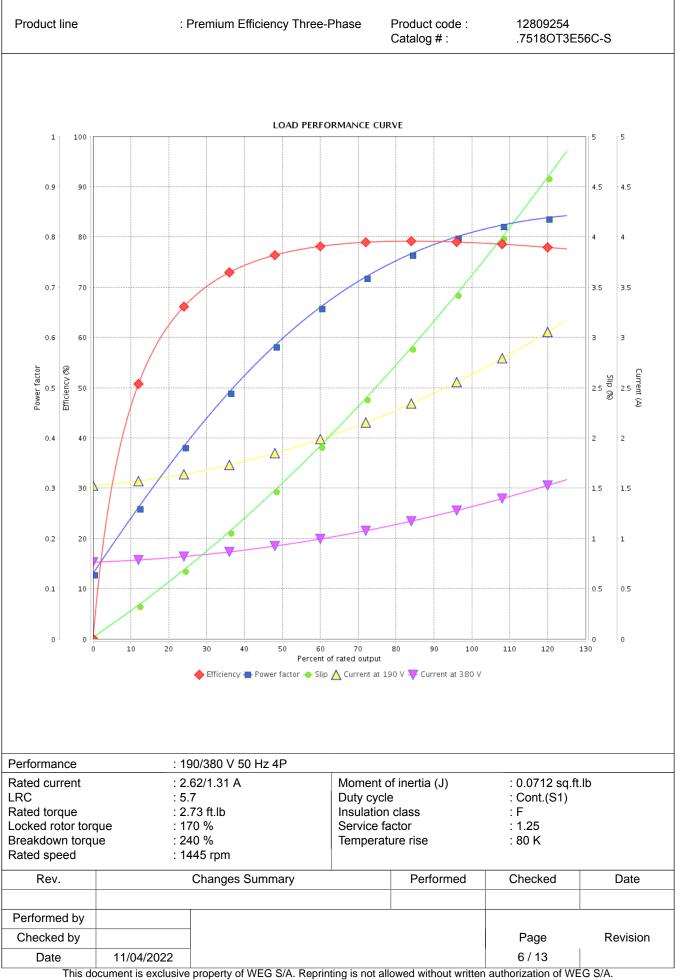
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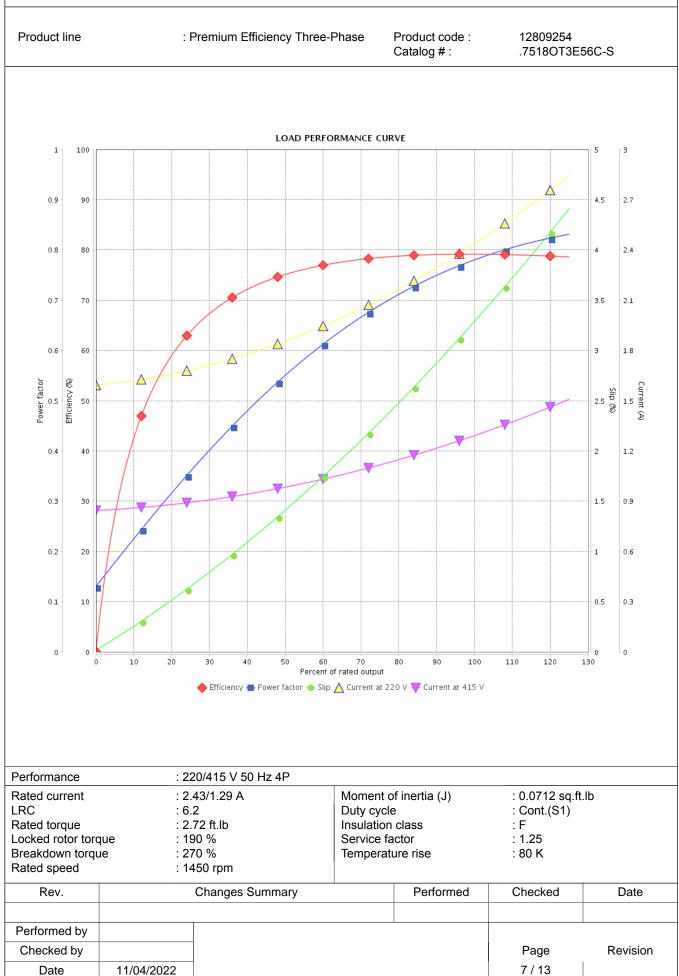


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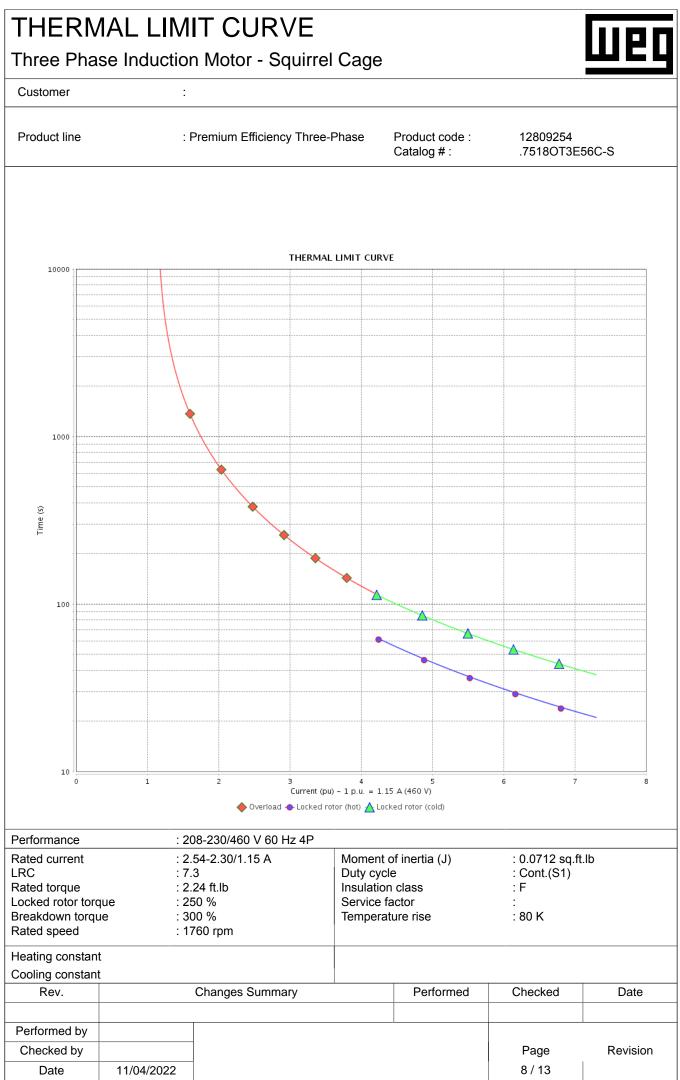
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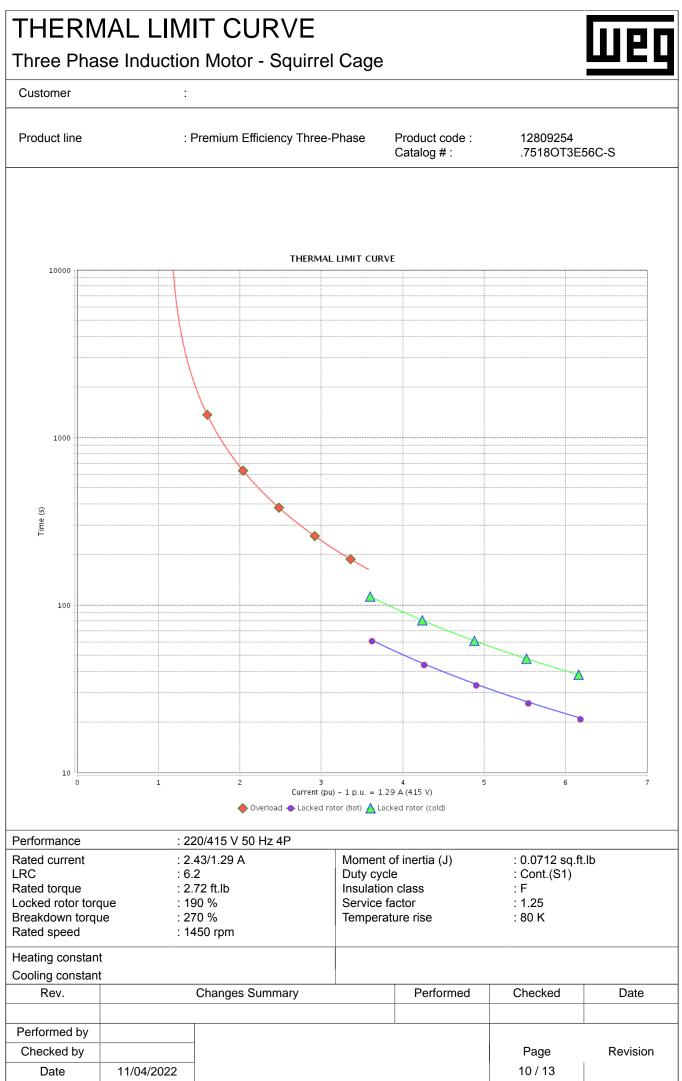
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Product line	: Premium	n Efficiency Three-				
		: Premium Efficiency Three-Phase			12809254 .7518OT3E56C-S	
		THEDMAL	LIMIT CURV	/F		
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-) - 1 p.u. = 1.3 tor (hot) A Lo		-	
erformance	: 190/380 V	/ 50 Hz 4P				
ated current	: 2.62/1.31			of inertia (J)	: 0.0712 sq.ft	.lb
RC ated torque	: 5.7 : 2.73 ft.lb			cle n class	: Cont.(S1) : F	
ocked rotor torque : 170		0 % Service		factor	: 1.25	
reakdown torque : 240 % Rated speed : 1445 rp		Temperatu		ature rise	: 80 K	
eating constant poling constant						
Rev.	Change	es Summary	1	Performed	Checked	Date

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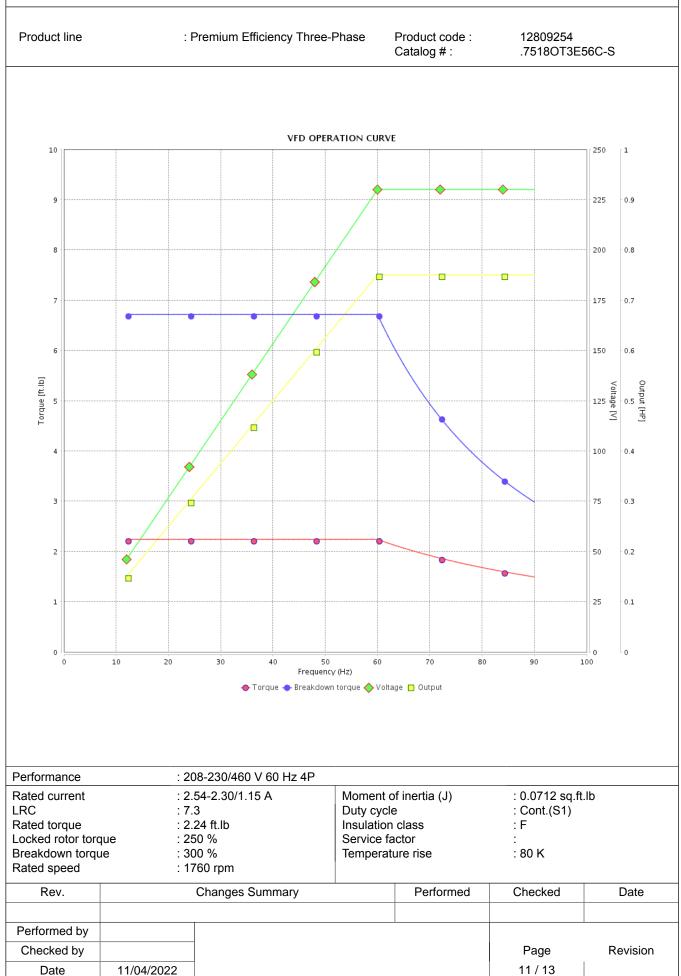
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VFD OPERATION CURVE

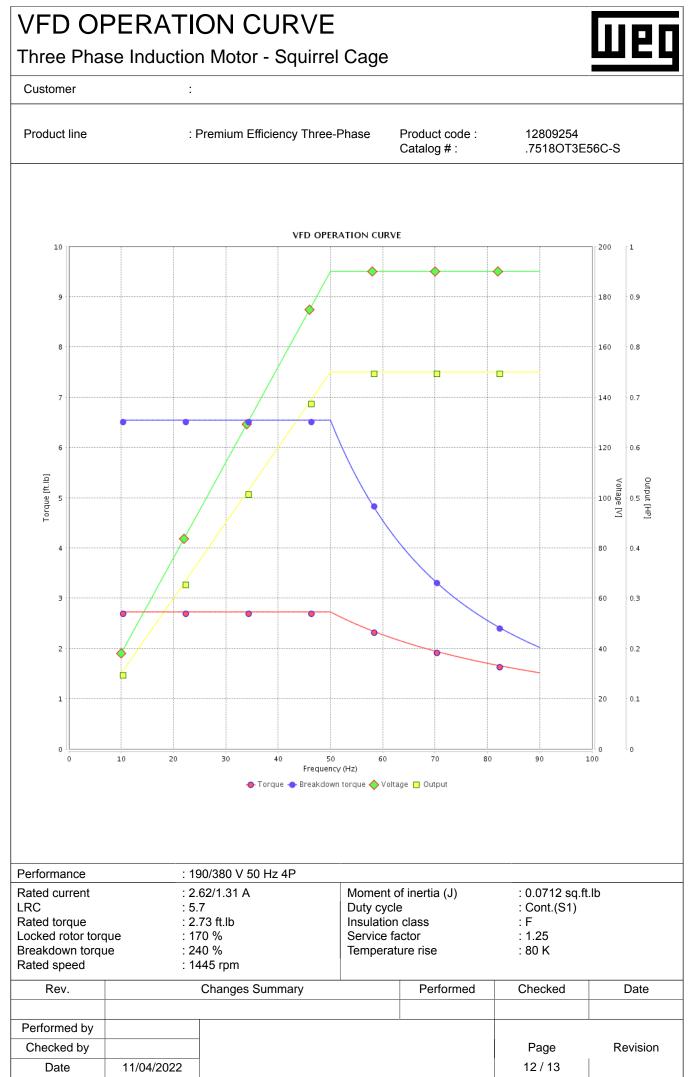
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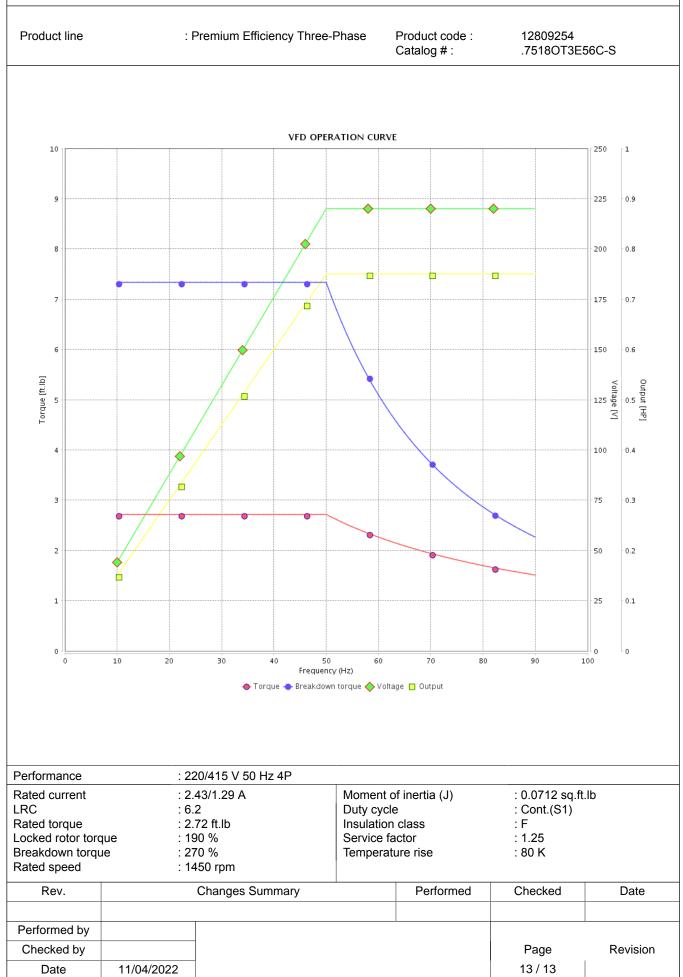
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VFD OPERATION CURVE

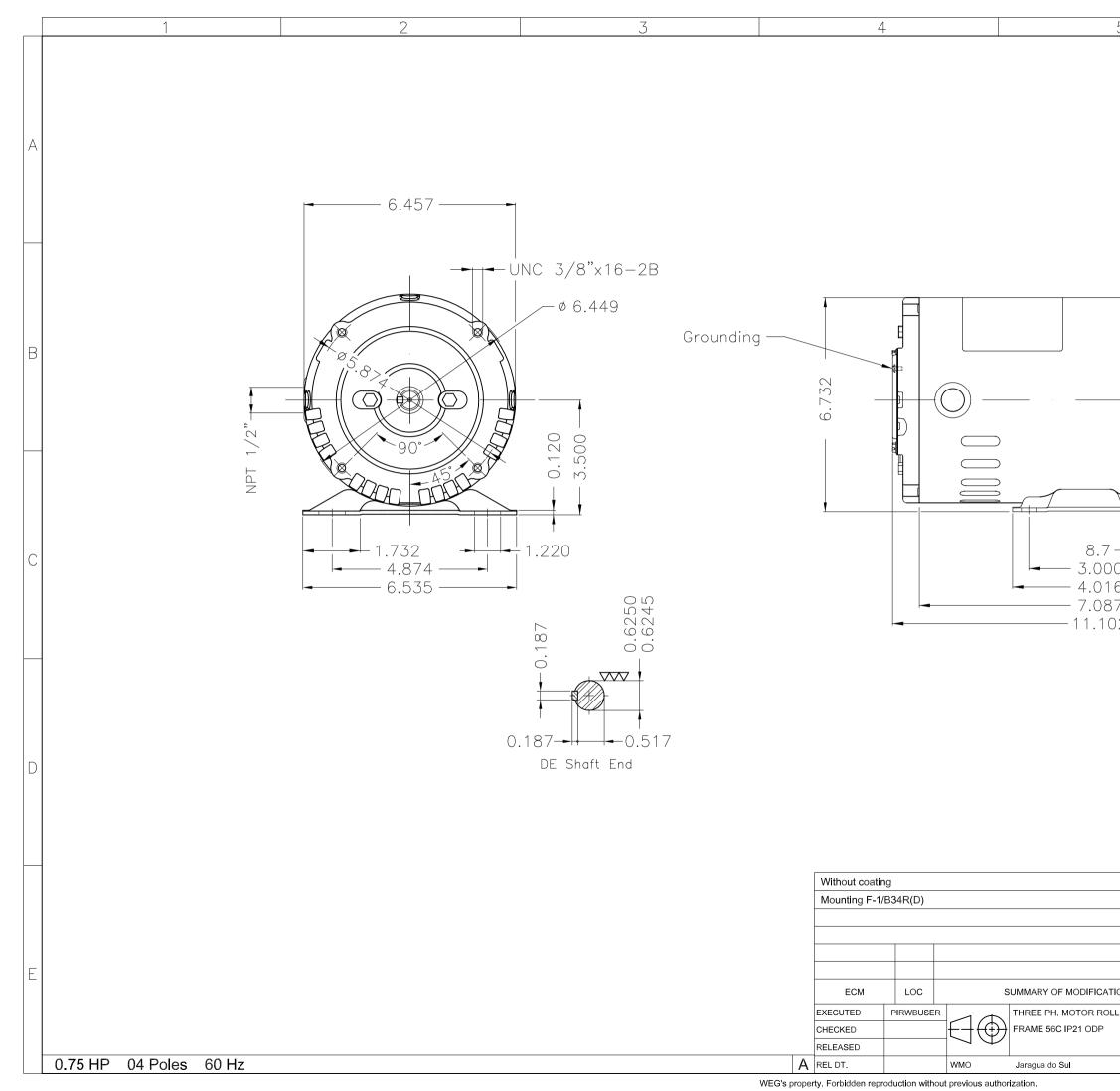
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).157	062 -17 874 ±0.008		Dimensions in inches
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IONS .LED STEEL PREM. E	EXECUTED			DATE	VER
Product	Engineering 5		1 / 1	ШР	XME A3
110000			· / '] ×

COLUS LISTED COLUS COLUS LISTED COLUS Energy Verified Energy Verif	CE		A 230/115 SFA 288/1.44 PF 0.74 PF 0.74	W 2019 Z. 2014	MOBIL POLYREX EM MOBIL POLYREX EM 14 15 16 17 18 17 17 18 17 17 19 17 10 12 13 11 12 17 12 13 19-8KK RED	RATY TO OLIVE WHERE STORMERS THE PROVINCIAL Hower must be provinted bin accordance with local storms are related access to prevent restorms access and the Disconnects power source before arefulling unit. ACETISSEMENT, in modeur doit for the ad a turn does information access the mean a later access observations access to antionaux and the foreign out to Deconnects. Tailmentation access thermedean do in machine.
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