DATA SHEET

Three Phase Induction Motor - Squirrel Cage

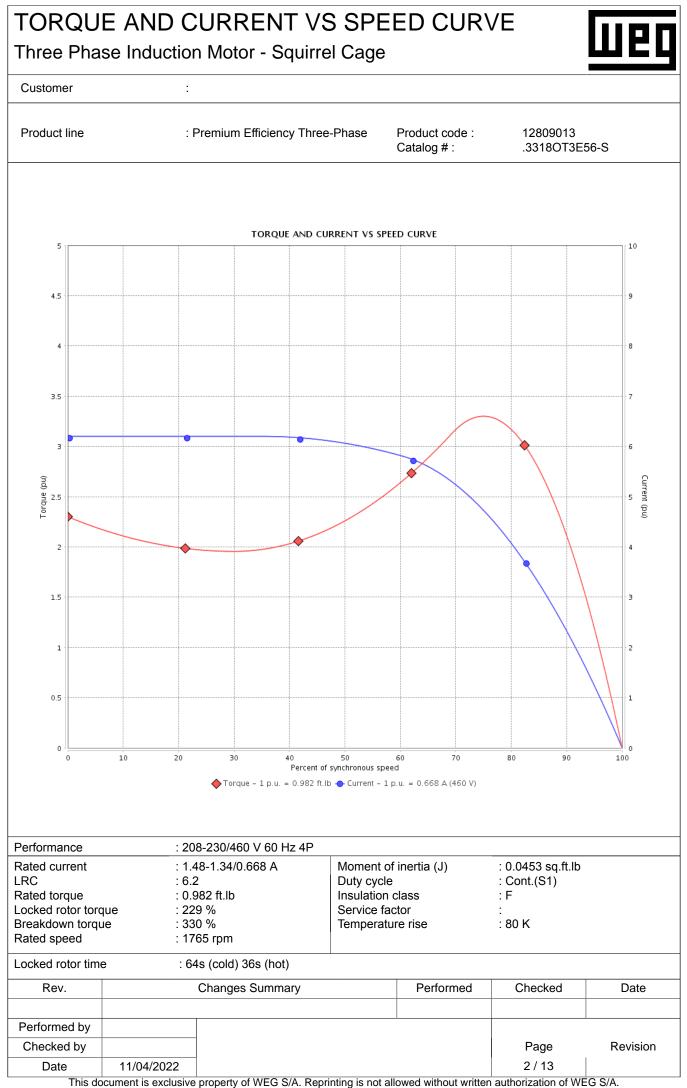
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Customer

Performed by	Product line		: Premium Efficiency Three-Pl		roduct code : atalog # :	12809013 .3318OT3E	56-S	
Poles 4 4 4 4 4 4 Frequency [Hz] 60 50 50 Rated voltage [V] 208-230/460 190/360 220/415 Rated voltage [V] 9.16-8.28/1.14 7.327.36 7.277.35 LR Amperes [A] 0.945-8.28/1.14 7.327.36 7.277.35 LRC [A] 6.2x(Code L) 5.1x(Code J) 5.3x(Code L) No load current [A] 0.948-1.100.550 1.04/0.522 1.10/0.581 Rated speed [RPM] 1.94 3.33 3.00 Rated torque [%] 2.29 1.60 180 Breakdown torque [%] 3.30 2.50 2.80 Service factor 80 K 80 K 80 K 80 K Efficiency (%) 50% 62.0 65.0 66.3 100% 7.34 72.5 71.9 Power Factor 75% 70.0 70.6 69.3 100% 0.44 0.61 0.47 Lubrication interval - - -	Insulation class Duty cycle Ambient temperature		: F : Cont.(S1) : -20°C to +40°C	Mounting Rotation ¹ Starting method Approx. weight ³		: F-1 : Both (CW : Direct On I : 17.3 lb	and CCW) Line	
Poles 4 4 4 4 4 4 Frequency [Hz] 60 50 50 Rated voltage [V] 208-230/460 190/360 220/415 Rated voltage [V] 9.16-8.28/1.14 7.327.36 7.277.35 LR Amperes [A] 0.945-8.28/1.14 7.327.36 7.277.35 LRC [A] 6.2x(Code L) 5.1x(Code J) 5.3x(Code L) No load current [A] 0.948-1.100.550 1.04/0.522 1.10/0.581 Rated speed [RPM] 1.94 3.33 3.00 Rated torque [%] 2.29 1.60 180 Breakdown torque [%] 3.30 2.50 2.80 Service factor 80 K 80 K 80 K 80 K Efficiency (%) 50% 62.0 65.0 66.3 100% 7.34 72.5 71.9 Power Factor 75% 70.0 70.6 69.3 100% 0.44 0.61 0.47 Lubrication interval - - -			0.33		0.33		0 33	
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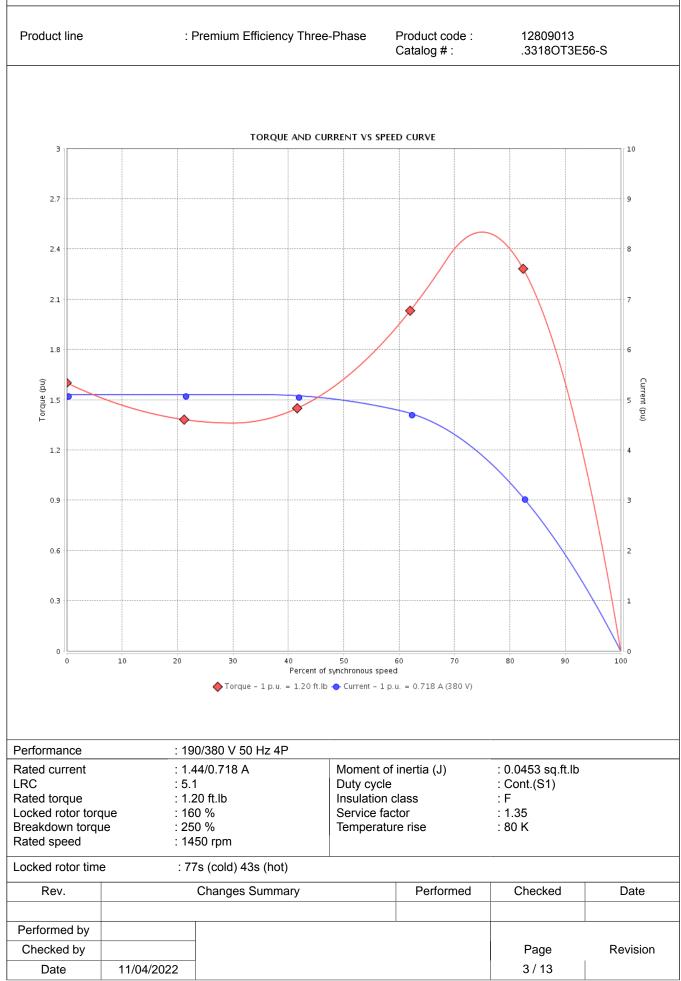


TORQUE AND CURRENT VS SPEED CURVE

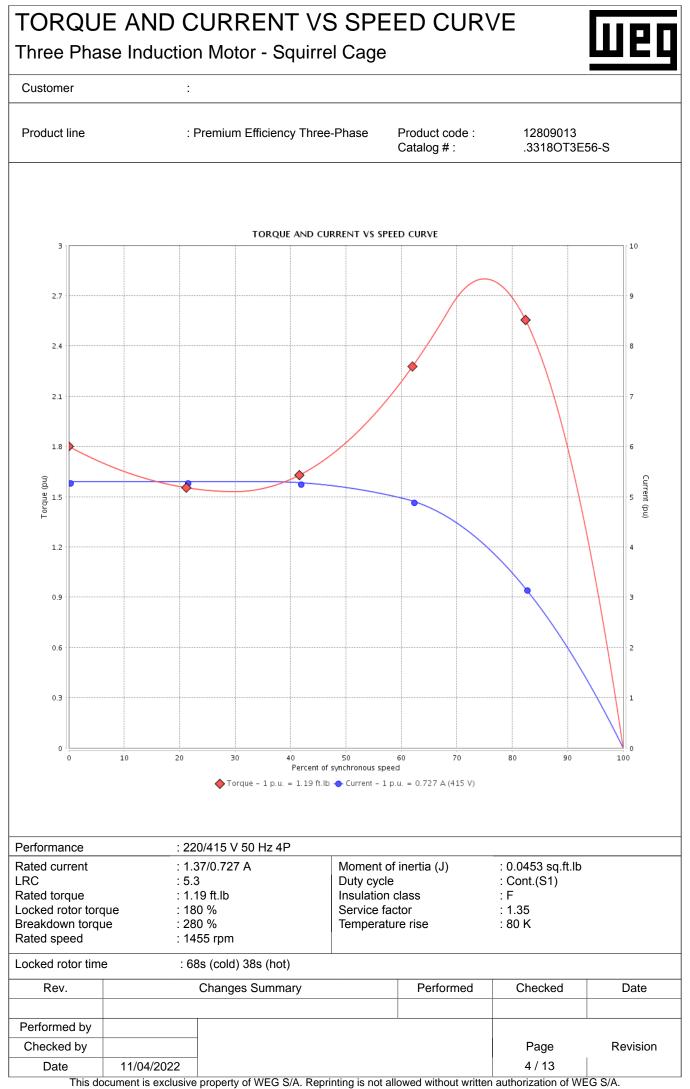
Three Phase Induction Motor - Squirrel Cage

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Customer



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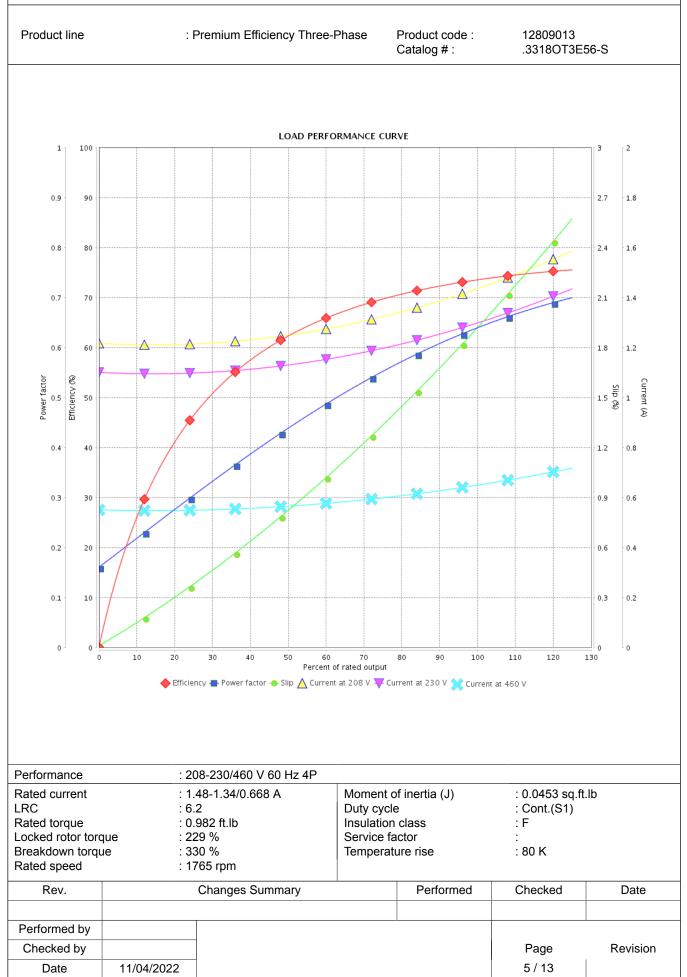


LOAD PERFORMANCE CURVE

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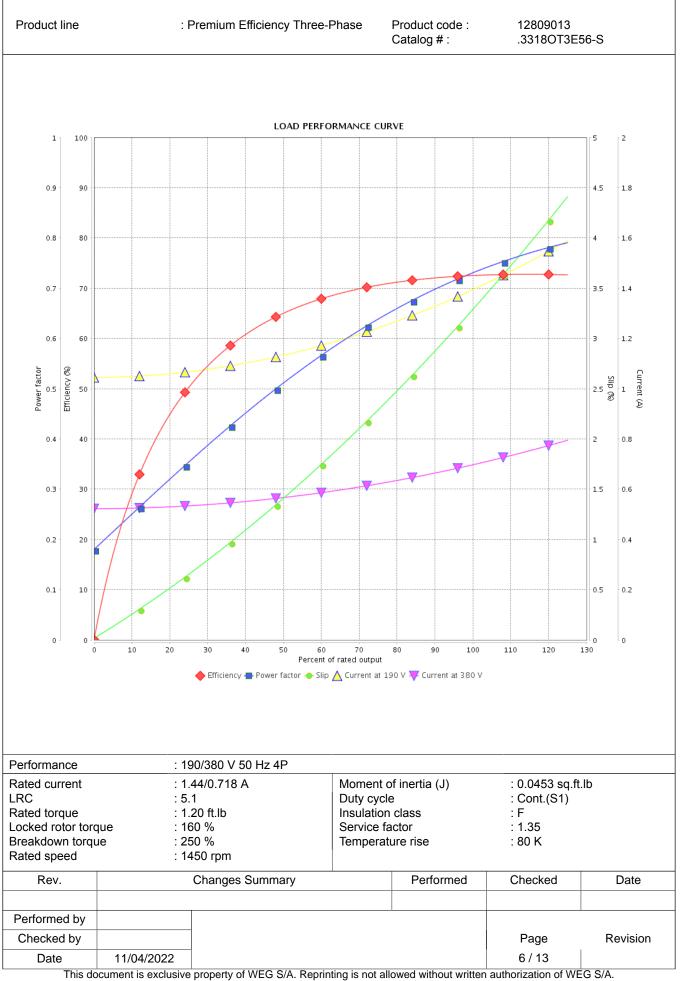
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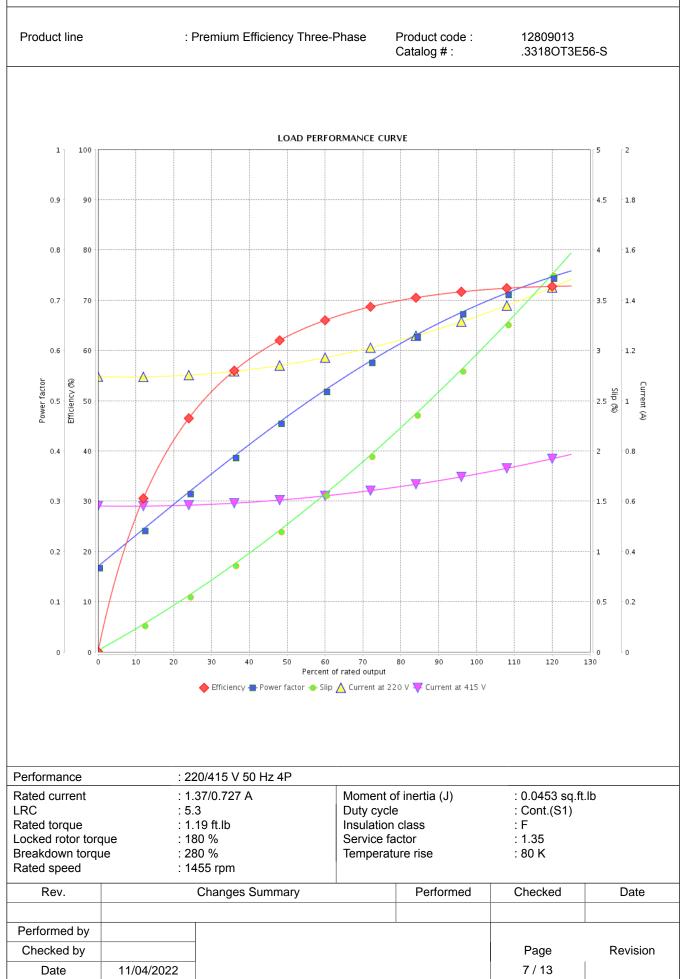


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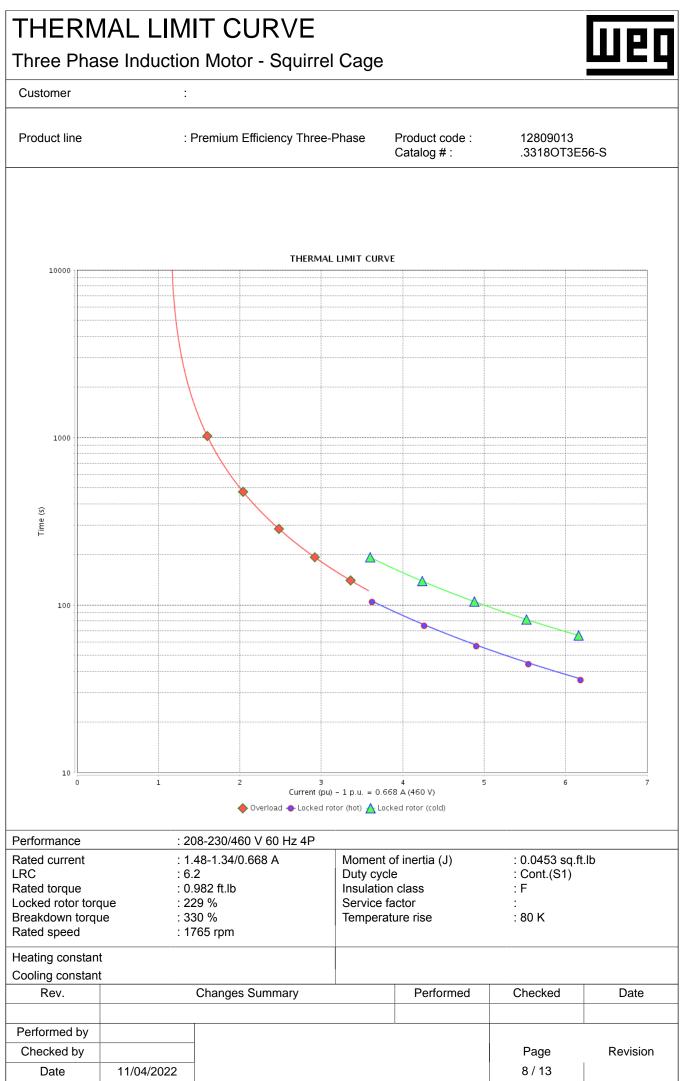
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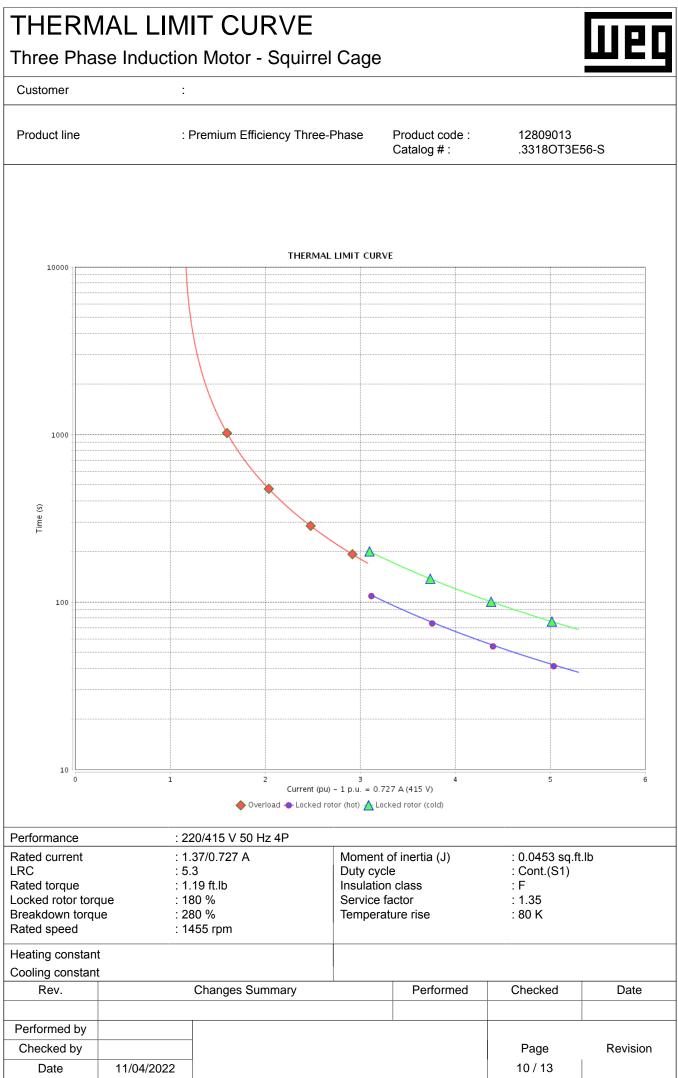
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♦ Overload ● Locked rotor (hot) ▲ Locked rotor (cold) erformance : 190/380 V 50 Hz 4P ated current : 1.44/0.718 A C : 5.1 ated torque : 1.20 ft.lb bocked rotor torque : 160 % eakdown torque : 250 % ated speed : 1450 rpm eating constant boling constant		1				5	6
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becked rotor torque : 160 % Service factor : 1.35 reakdown torque : 250 % Temperature rise : 80 K ated speed : 1450 rpm		-					
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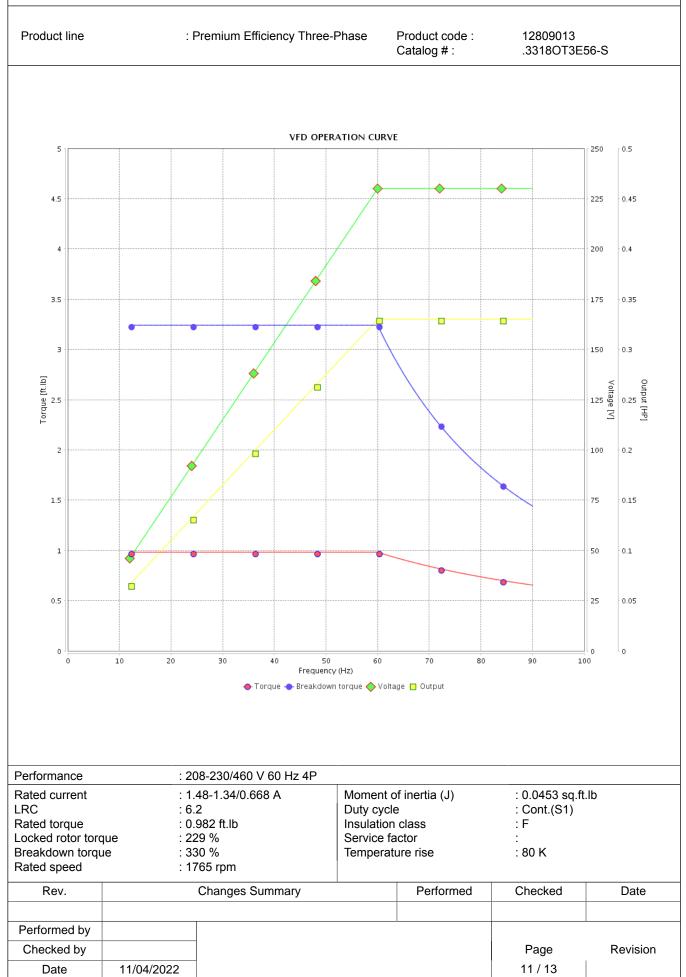
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VFD OPERATION CURVE

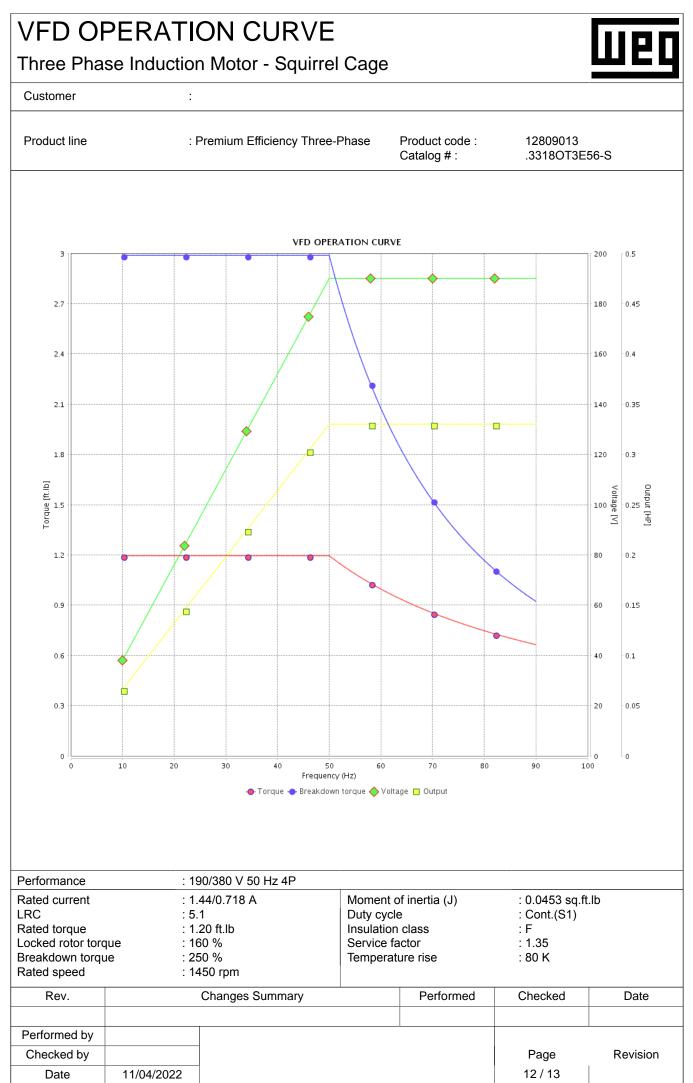
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Three Phase Induction Motor - Squirrel Cage

Customer



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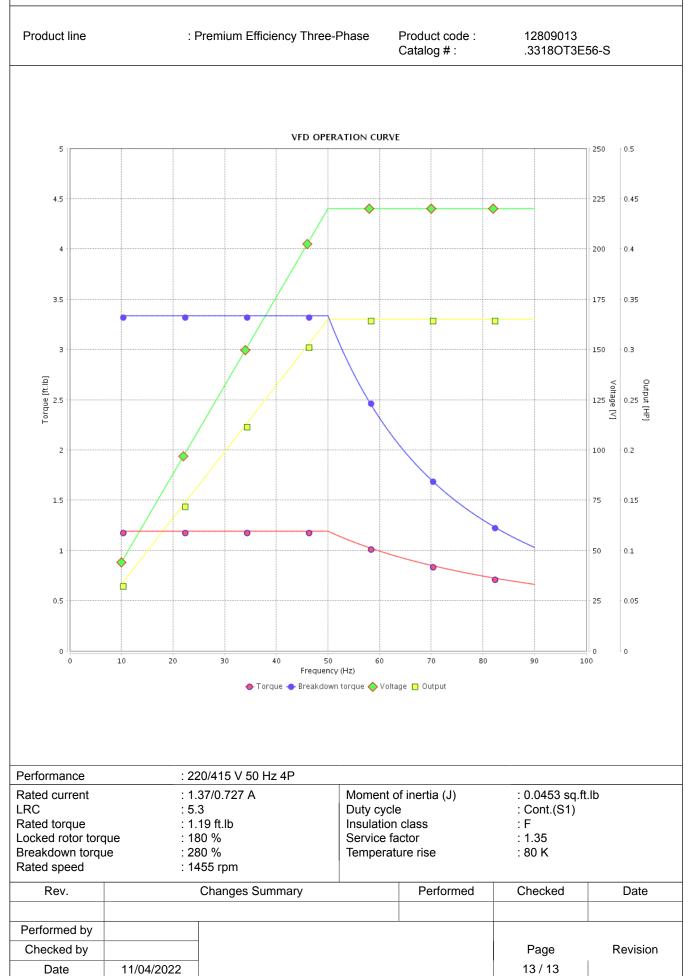
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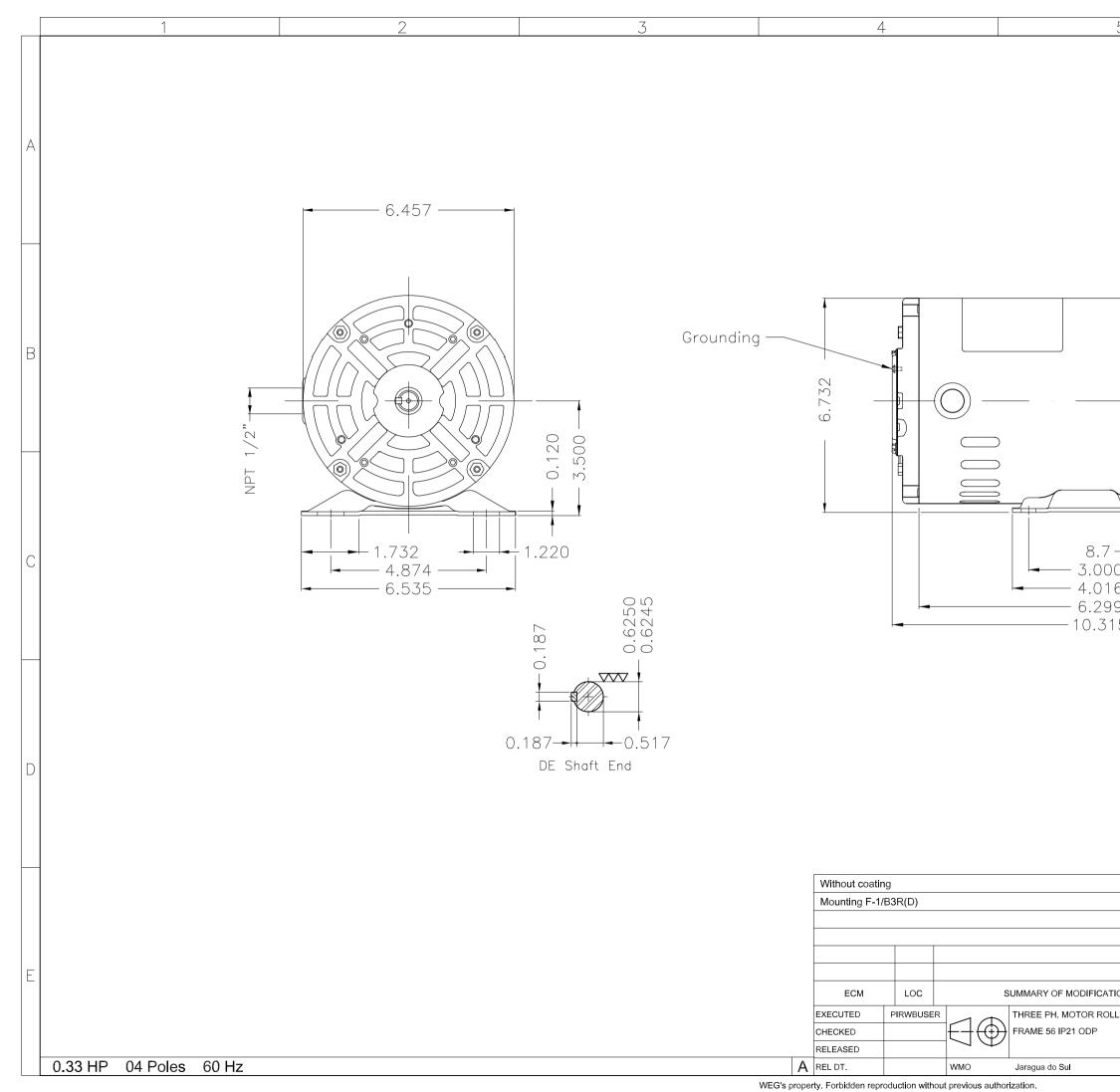
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Three Phase Induction Motor - Squirrel Cage

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IONS	EXECUTED	CHECKED	RELEASED	DATE	VER
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Froduct			· / '] ×

ENA (1975) GIIDENA (1975) S6.5 S6.5 S6.5 S6.5 S6.5 C (1975) C (1975)	ALLERNATE KATING: 0.33HP 50HZ 190-220/380-415V 5F1.35 1.44-1.40/0.718-0.740A 1450RPM EFF 71.2% (IE2) IEC 60034-1	Inverter duty motor For 80Hz use on VPWM 1000:1 VT, 5:1 CT DE 6203-ZZ DDE 6202-ZZ MOBIL POLYREX EM	<u>щет4 ет5 е</u> Т6 щет4 ет5 ет6 тали талинт	7 5	2011 12 13 70 11 12 13 10 10 10 10 10 10 10 10 10 10 10 10 10	ΥΫ́ Lı́ L2 L3 Ϋ́ Lı́ L2 L3 Т9-ВЯК RED	NTERCHANGE ANY TWO LINE WRES TO REVERSE THE ROTATION WARNING: Motor must be grounded in accordance with local Very	and national electrical codes to prevent serious electrical X and national electrical source before servicing unit.	AFETUSSEMENT: Le motour dat être mis à la terre de la contentione de la contentionede la contentione de la contentione
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