DATA SHEET

Three Phase Induction Motor - Squirrel Cage

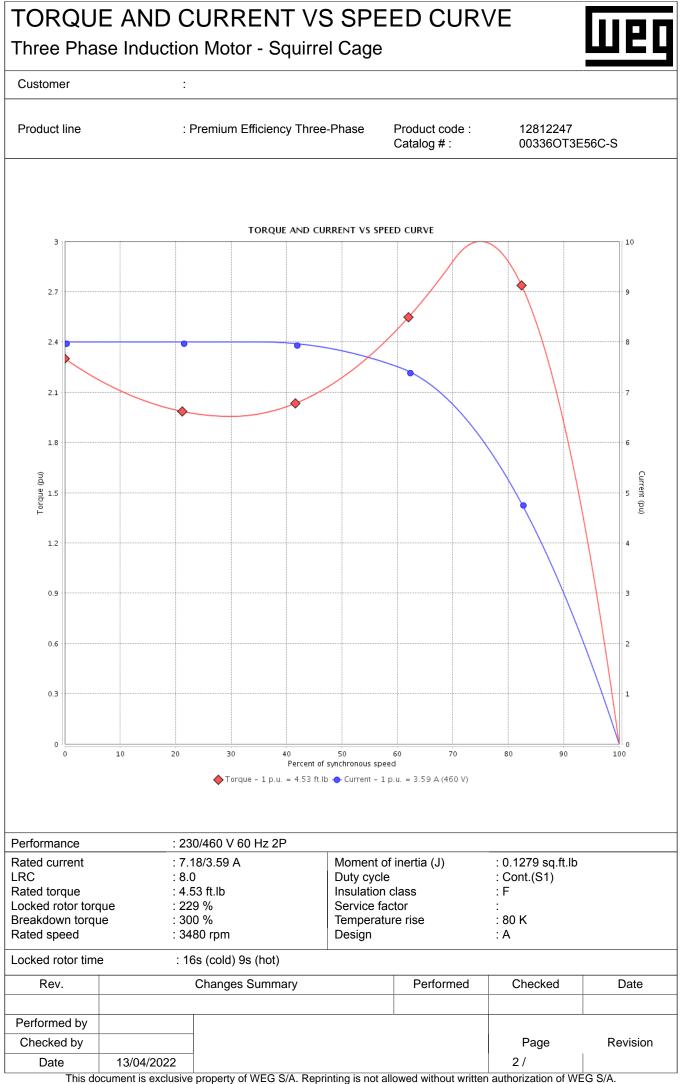
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Customer

		: Premium Efficiency Three-Pt	nase Product code : Catalog # :	12812247 00336OT3E	56C-S
Frame Insulation class Duty cycle Ambient tempera Altitude Design	ature	: 56HC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : A	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)	: IC01 - ODF : F-1 : Both (CW : : Direct On I : 39.7 lb : 0.1279 sq.	and CCW) Line
Dutput [HP]		3	3		3
Poles		2	2		2
requency [Hz]		60	50		50
Rated voltage [V]		230/460	190/380	22	0/415
Rated current [A]		7.18/3.59	8.78/4.39	7.8	3/4.15
. R. Amperes [A]		57.4/28.7	53.6/26.8	53.	2/28.2
RC [A]		8.0x(Code J)	6.1x(Code G)	6.8x(Code H)
No load current [A	\	2.60/1.30	2.60/1.30		1/1.44
Rated speed [RPN	V]	3480	2825		2840
Slip [%]		3.33	5.83		5.33
Rated torque [ft.lb		4.53	5.58		5.55
ocked rotor torqu		229	190		220
Breakdown torque	÷[%]	300	229		250
Service factor			1.00		1.00
Temperature rise		80 K	105 K		05 K
_ocked rotor time		16s (cold) 9s (hot)	16s (cold) 9s (hot)		ld) 9s (hot)
Noise level ²		62.0 dB(A)	60.0 dB(A)		D dB(A)
	25%	83.7	89.4		38.4
Efficiency (%)	50%	84.0	86.6		36.5
	75%	85.5	85.0		85.6
	100%	85.5	81.8		33.2
	25%	0.50	0.56		0.51
Power Factor	50%	0.76	0.83		0.79
i ower i detor	75%	0.86	0.90		0.88
	100%	0.90	0.93		0.92
Bearing type Sealing	:	Drive end Non drive end 6204 ZZ 6202 ZZ Without Without Bearing Seal Bearing Seal	Foundation loads Max. traction Max. compression	: 116 lb : 156 lb	
Lubrication inter					
Lubricant amour	nt				
Lubricant type Notes		Mobil Polyrex EM			
USABLE @208V	′ 7.94A SF 1.0	00 SFA 7.94A			
must be eliminate (1) Looking the m (2) Measured at 2	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	These are average values power supply, subject to th MG-1.		
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 th		
must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr (4) At 100% of fu Rev.	ed. notor from the 1m and with to weight subject ocess.	shaft end. blerance of +3dB(A). t to changes after	power supply, subject to the MG-1.	ne tolerances stipu	lated in NEMA
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must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr (4) At 100% of fu Rev.	ed. notor from the 1m and with to weight subject ocess.	shaft end. blerance of +3dB(A). t to changes after	power supply, subject to the MG-1.	ne tolerances stipu	lated in NEMA

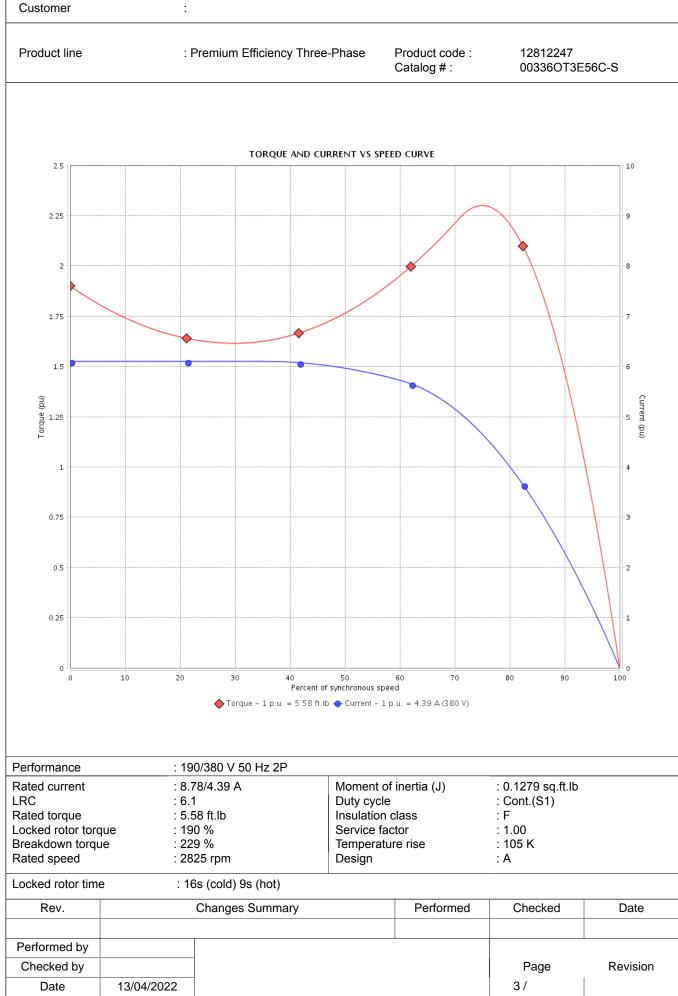
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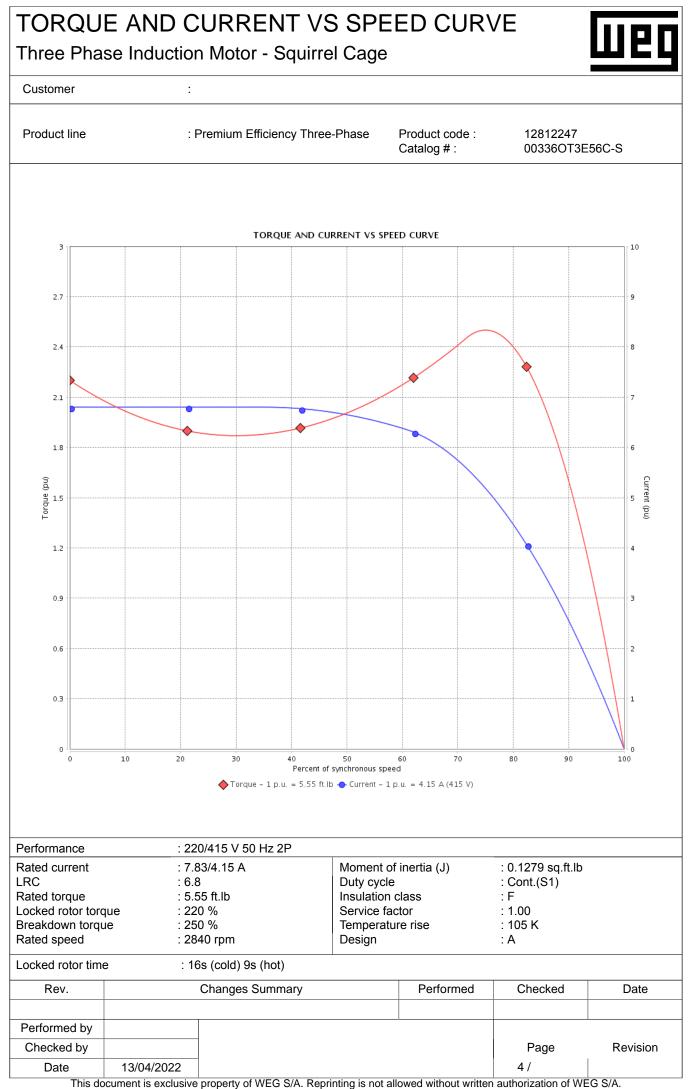
TORQUE AND CURRENT VS SPEED CURVE

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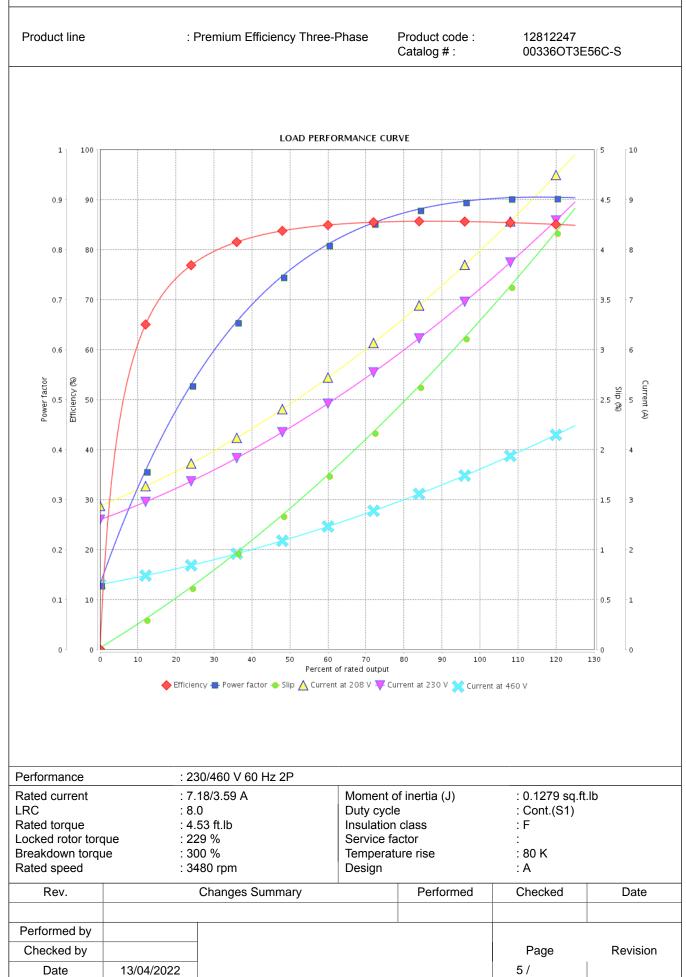


LOAD PERFORMANCE CURVE

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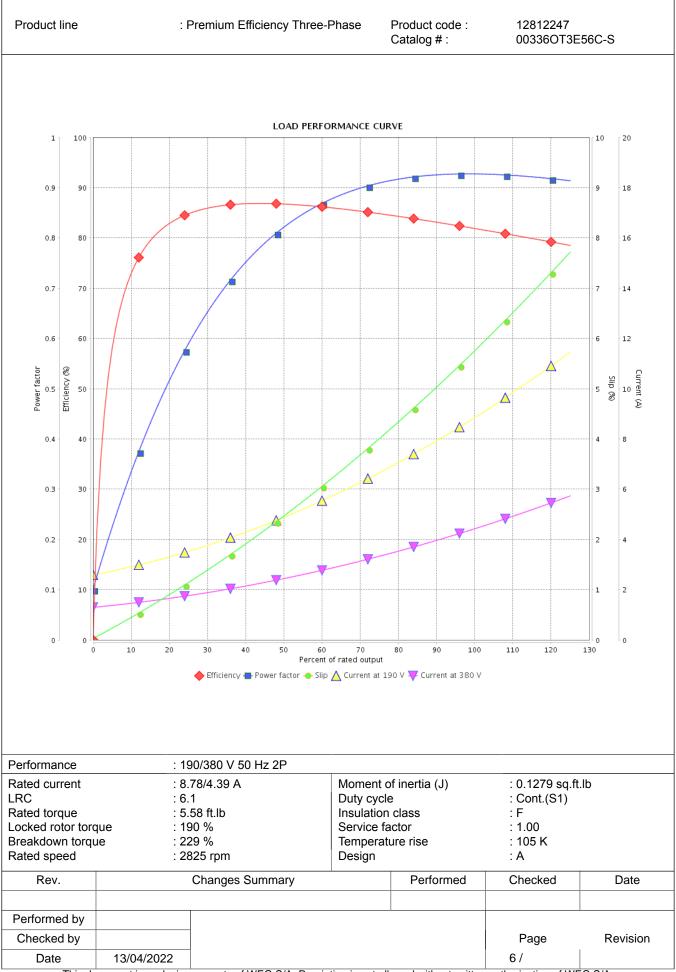
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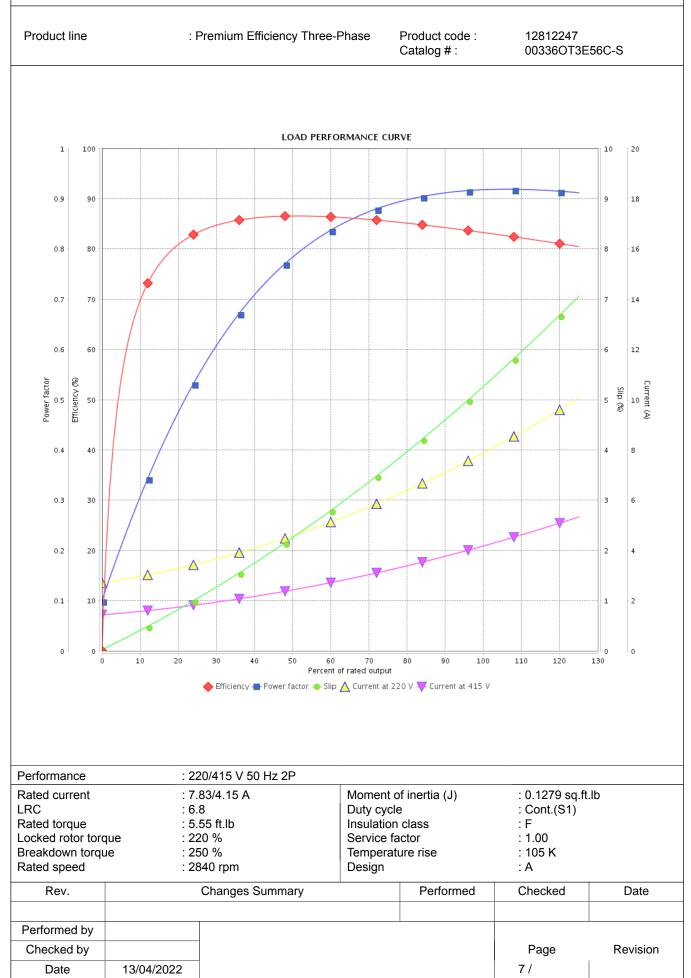
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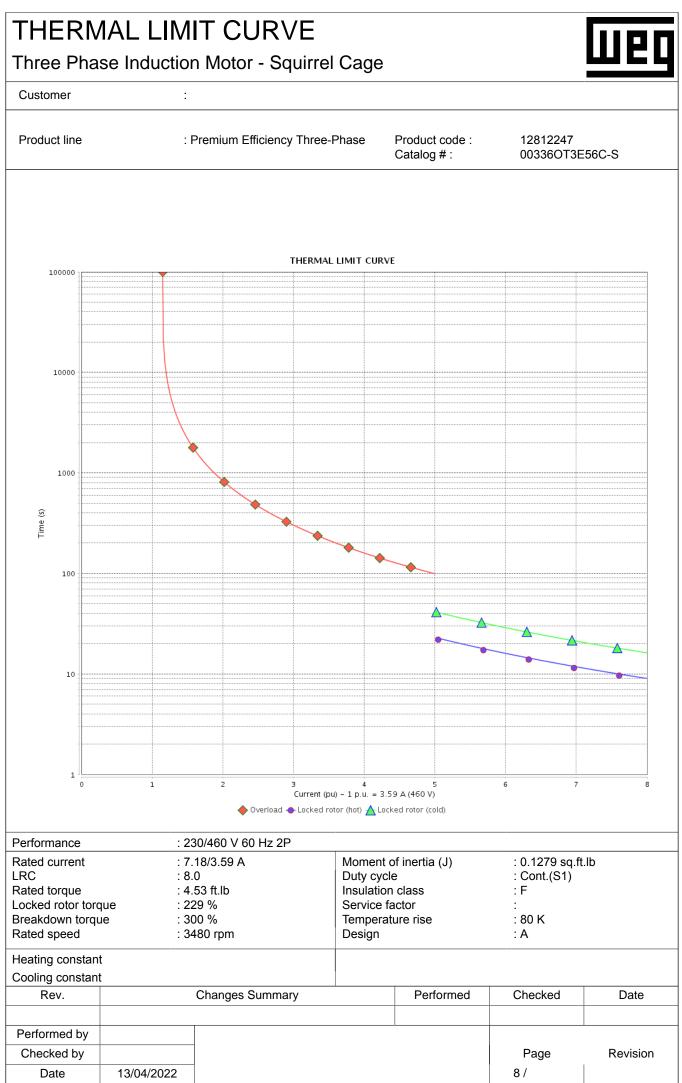
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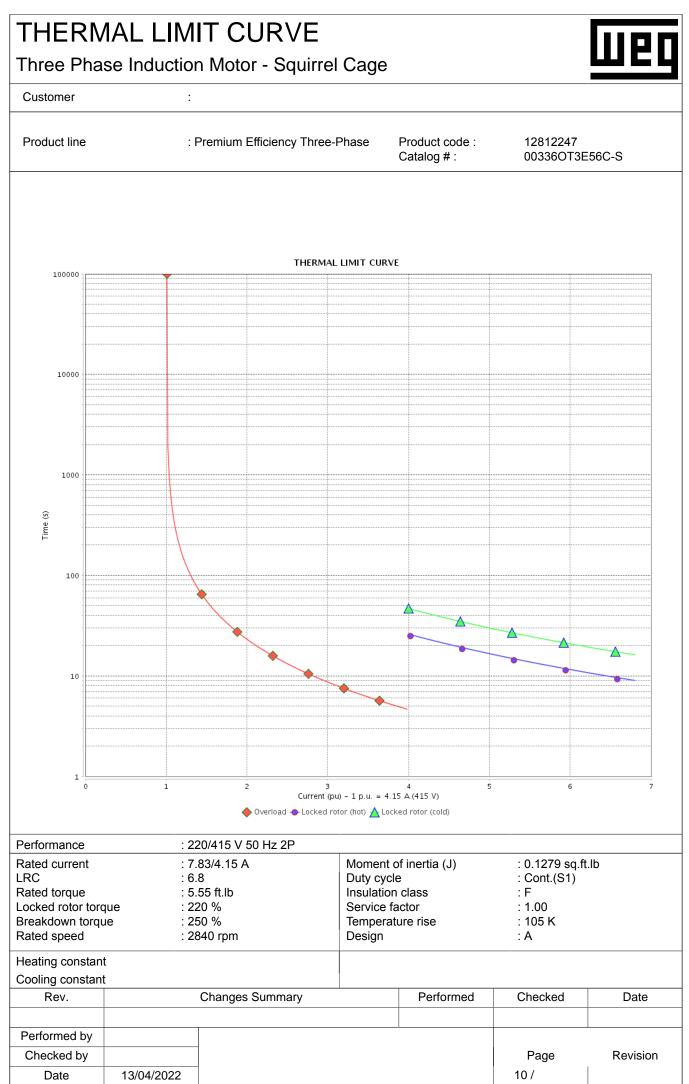


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Catalog #: 003360T3E56C-S	Customer	:						
10000 100000 100000 100000 100000 100000 1000000 1000000 100000 100000	Product line	: F	Premium E	fficiency Three	e-Phase			E56C-S
10000 100000 100000 100000 100000 100000 1000000 1000000 100000 100000								
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0 1 2 3 4 5 6 Current (pu) - 1 p.u. = 4.39 Å (380 V) Overload ◆ Locked rotor (cold) Provided ◆ Locked rotor (cold) Provided ◆ Locked rotor (cold) Provided ◆ Locked rotor (cold) Provided ◆ Locked rotor (cold) 	-							
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reakdown torque : 229 % Temperature rise : 105 K ated speed : 2825 rpm Design : A eating constant ooling constant	ated torque	: 5.	58 ft.lb		Insulati	on class	: F	
eating constant ooling constant	reakdown torq	ue : 22	29 %		Temper	ature rise	: 105 K	
ooling constant			325 rpm		Design		: A	
	-		Changes	Summary		Performed	Checked	Date
Performed by								
	Checked by Date	13/04/2022					Page 9 /	Revisior

 Date
 13/04/2022
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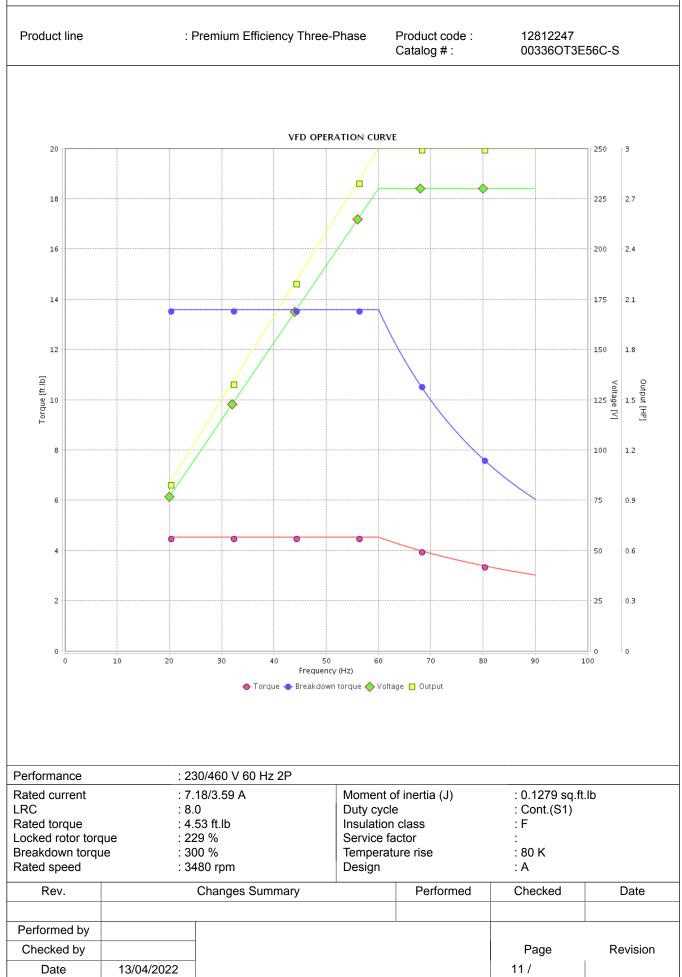
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VFD OPERATION CURVE

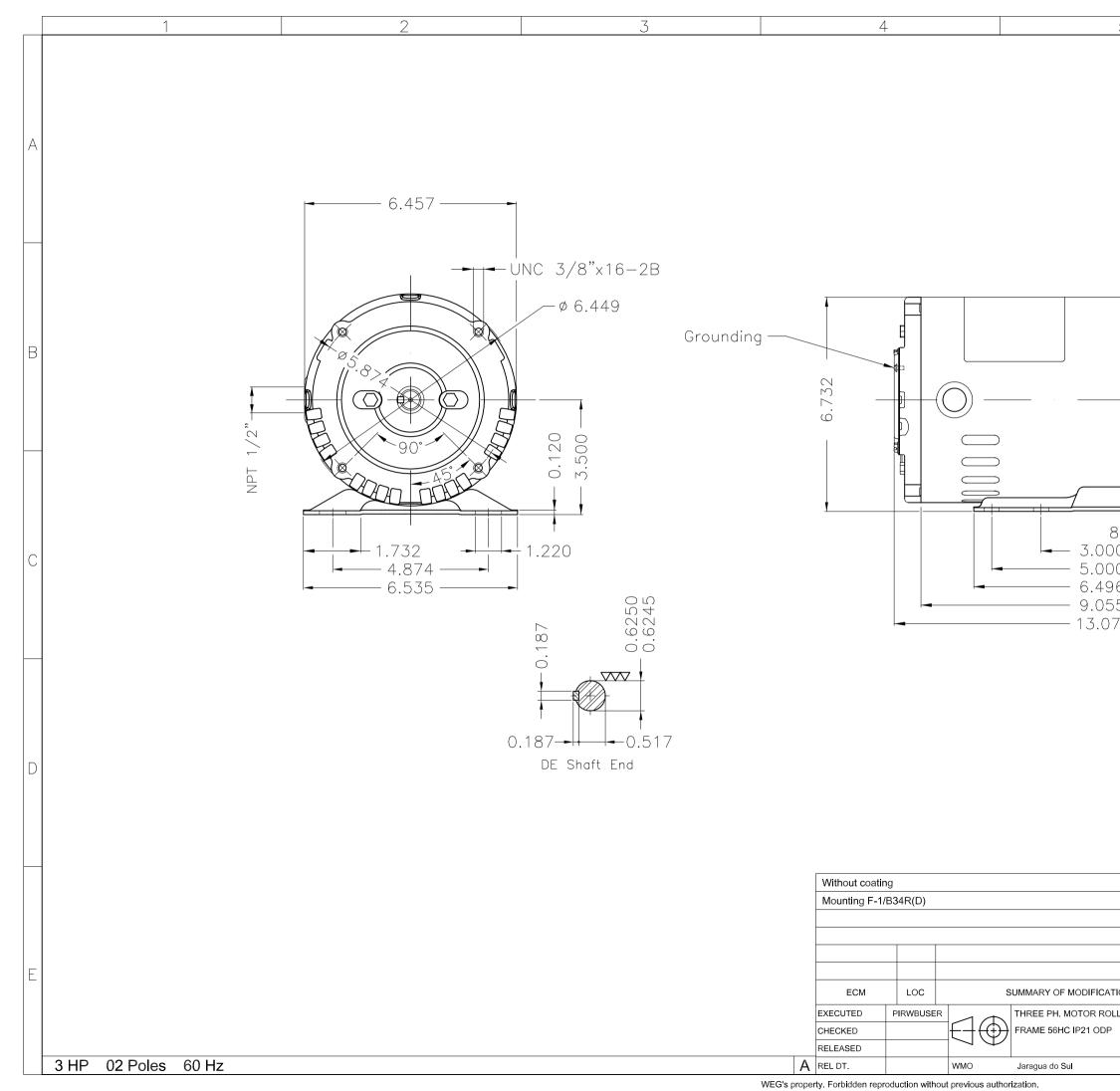
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0 - 2.750 - 1.874 ±0.008 5	5			6		
).157	874		Dimensions in inches
	IONS	EXECUTED	CHECKED	RELEASED		
	Product	t Engineering	WDD		ШЕ	XME A3



W01.TO0IC0X0X 12812247 MAT

MODEL 003360T3E56C-S

16DEC2021 B/N:					
PH 3 Hz 60	60	HP 3.0			
FR 56HC		kw 2.2	•		
DUTY CONT.			230/460		
ALT 1000 m.a.s.l		-	7.18/3.59		
INS CL F AT 80K			8.26/4.13		
AMB 40°C [DES A	SF 1.15	cl.1		
ENCL ODP (CODE J				
USABLE @ 208V 7.94A SF1.00	A	NEMA 85.5%	85.5%		
ALTERNATE RATING:	3.0HP	50Hz	190-220/380-415V		SF1.00
8.78-7.56/4.39-4.01A	14	2825RPM	EFF 81.8%	(IE1)	IEC 60034-1
Inverter dut	y motor Fo	r BOHz use	Inverter duty motor For 80Hz use on VPWM 1000:1 VT, 3:1 CT	0:1 VT, 3:1	ст
DE 6204-ZZ OD	ODE 6202-ZZ		MOBIL POLYREX EM	W	
T4 T5	_T6	T4	_T5 _T6		
	P	10		T1-BLU	T2-WHT
WAT 18	610	AT T	LT8 T9	T3-ORG	T4-YEL
				T5-BLK	T6-GRY
	- -		€ € Z ●	T7-PNK	T8-RED
YY L1 L2			L2 L3	T9-BRK RED	RED

NARNING: Motor must be grounded in accordance with local NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

shocks. Disconnect power source before servicing unit. and national electrical codes to prevent serious electrical

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