DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

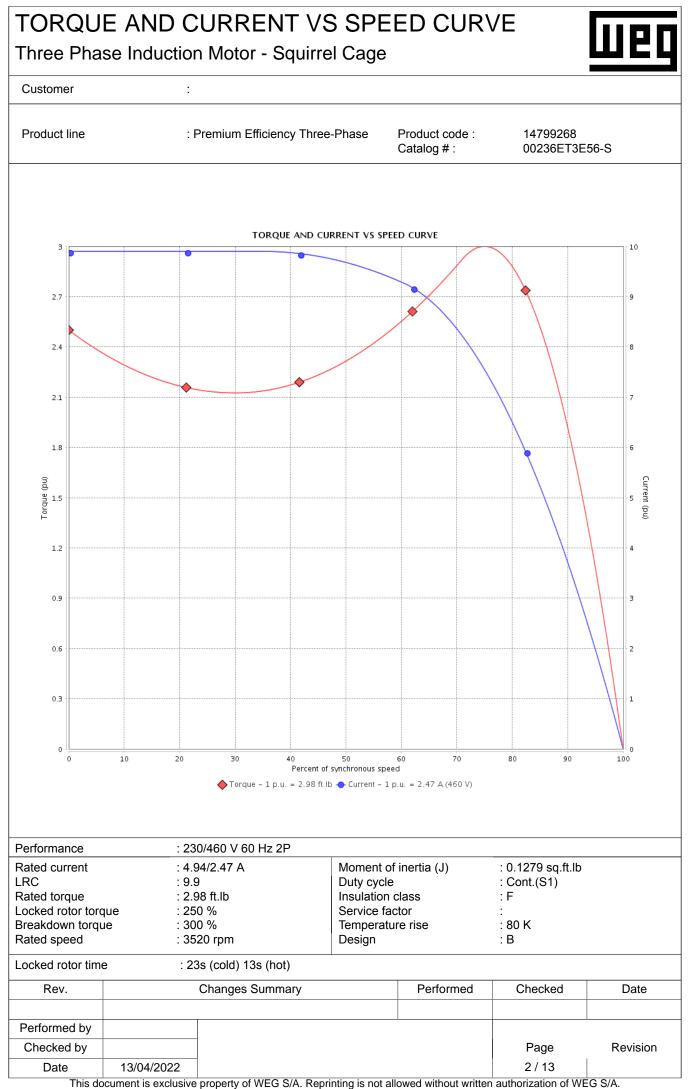
Product line		: Premium Efficiency Three-Pt	nase Product code : Catalog # :	14799268 00236ET3E	56-S	
Frame		: 56H	Cooling method	: IC411 - TE	FC	
Insulation class		: F	Mounting	: F-1	-	
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW	and CCW)	
		: -20°C to +40°C			: Direct On Line	
Ambient temperature		: 1000 m.a.s.l.				
Altitude		: IP55	Moment of inertia (J)	: 39.9 lb a (J) : 0.1279 sq.ft.lb		
Protection degree		: IF55 : B			.11.10	
			0		0	
Output [HP] Poles		2 2	2		2	
Frequency [Hz]		60	50		50	
Rated voltage [V]		230/460	190/380	22	220/415	
Rated current [A]		4.94/2.47	5.94/2.97		39/2.86	
L. R. Amperes [A]		48.9/24.5	44.0/22.0		.2/23.5	
LRC [A]		9.9x(Code L)			(Code K)	
No load current [A	1	2.13/1.06	2.10/1.05		14/1.13	
Rated speed [RPN		3520	2875		2890	
	vi]	2.22				
Slip [%]	1		4.17		3.67	
Rated torque [ft.lb		2.98	3.65		3.63	
Locked rotor torqu		250	229		260	
Breakdown torque	e [%]	300	280		310	
Service factor			1.15		1.15	
Temperature rise		80 K	80 K		80 K	
Locked rotor time		23s (cold) 13s (hot)	21s (cold) 12s (hot)		ld) 11s (hot)	
Noise level ²		68.0 dB(A)	65.0 dB(A)		0 dB(A)	
	25%	82.1	84.8		84.0	
	50%	82.5	84.0		83.7	
Efficiency (%)	75%	85.5	84.6		84.9	
	100%	85.5	83.3		84.1	
	25%	0.45	0.51		0.48	
	25% 50%	0.45				
Power Factor			0.79		0.76	
	75%	0.83	0.88		0.86	
	100%	0.89	0.92		0.90	
		Drive end Non drive end	Foundation loads			
Bearing type		: 6204 ZZ 6202 ZZ	Max. traction	: 90 lb		
Sealing		: V'Ring Without	Max. compression	: 130 lb		
5		Bearing Seal	•			
Lubrication interv	val	:				
Lubricant amoun						
Lubricant type	-	: Mobil Polyrex EM				
Labridant type						
Notes USABLE @208V This revision repla must be eliminate	aces and can	00 SFA 5.46A cel the previous one, which	These are average value			
(1) Looking the m(2) Measured at 1	notor from the Im and with to weight subject ocess.	shaft end. olerance of +3dB(A). t to changes after	power supply, subject to t MG-1.	ne tolerances stipu		
Rev.		Changes Summary	Performed	Checked	Date	
Performed by			·`			
Checked by				Page	Revision	
Date	13/04/2022	2		1 / 13		
		2				

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 13/04/2022
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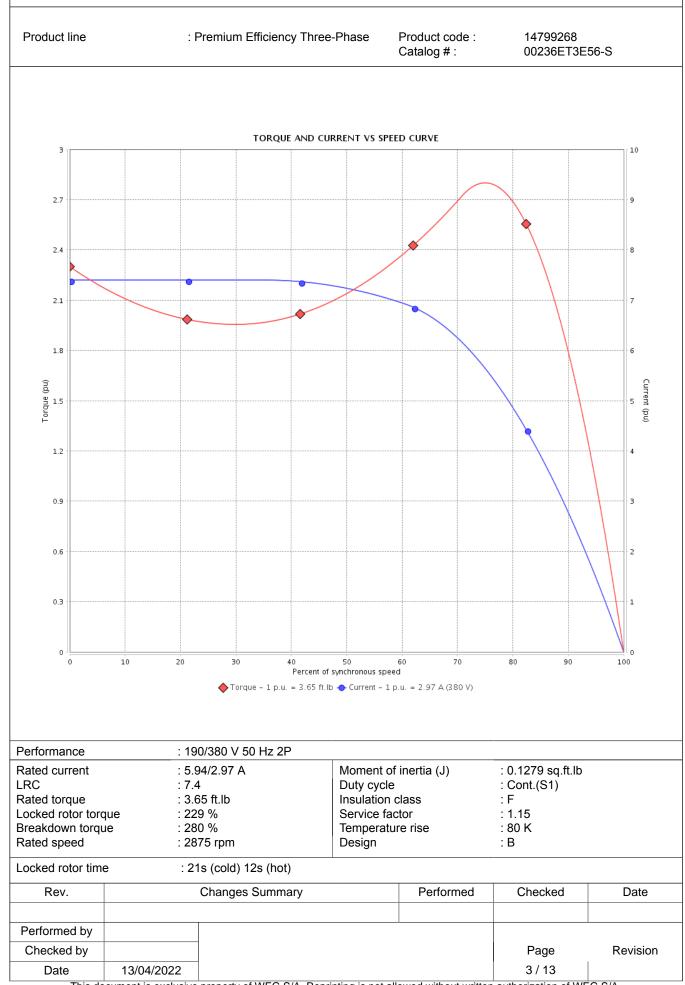


TORQUE AND CURRENT VS SPEED CURVE

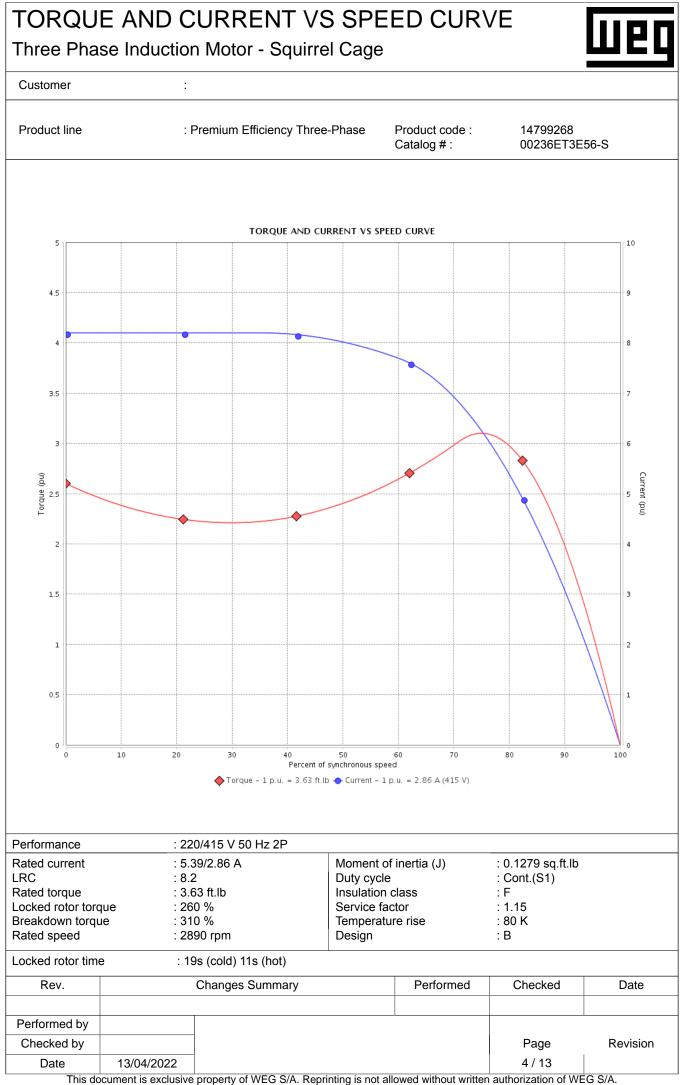
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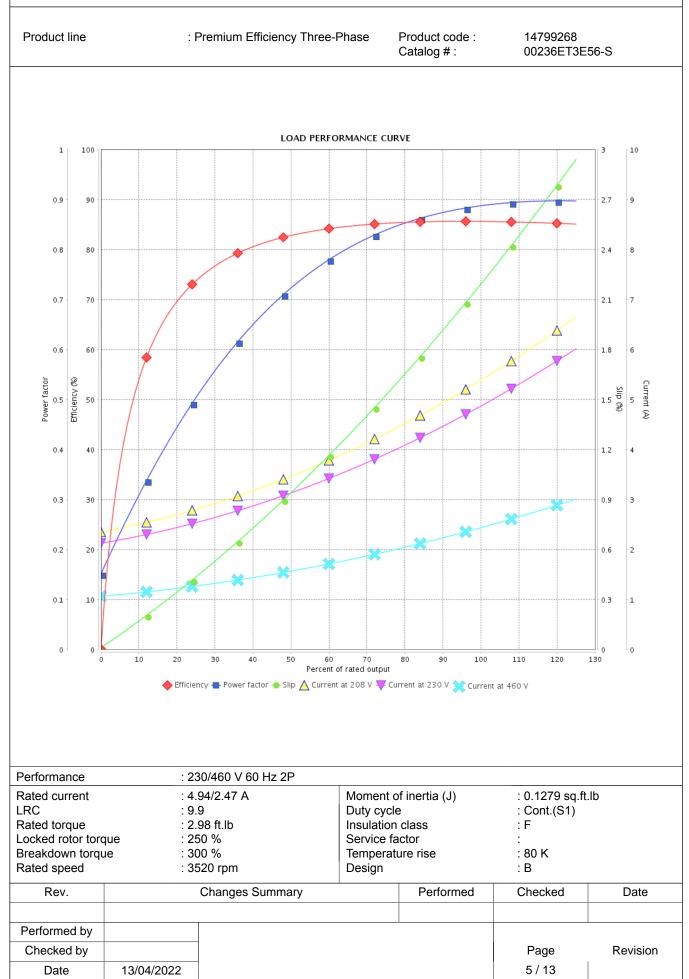
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LOAD PERFORMANCE CURVE

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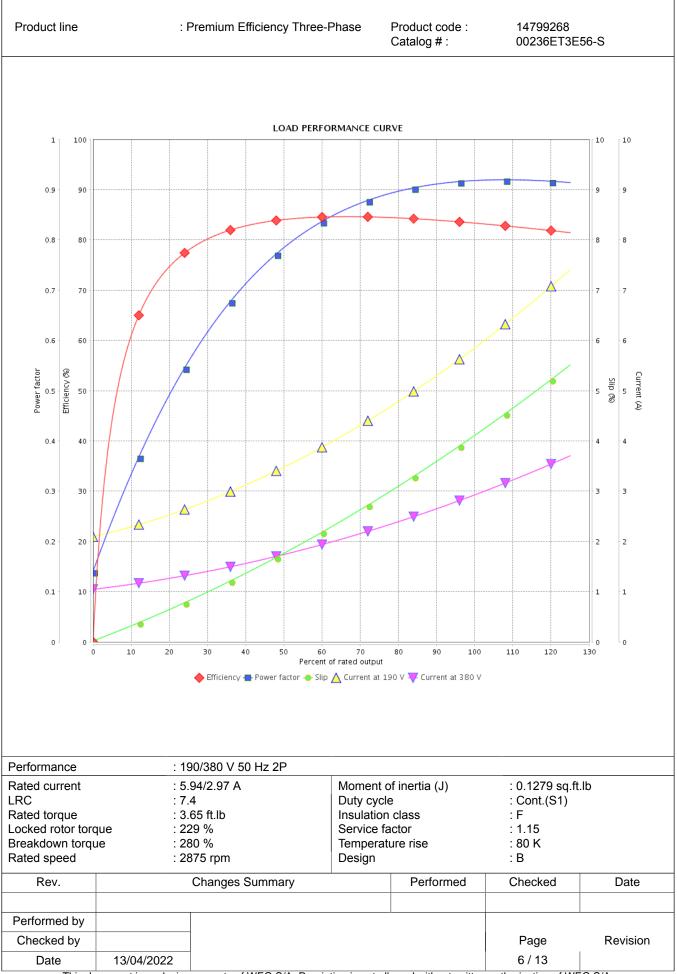
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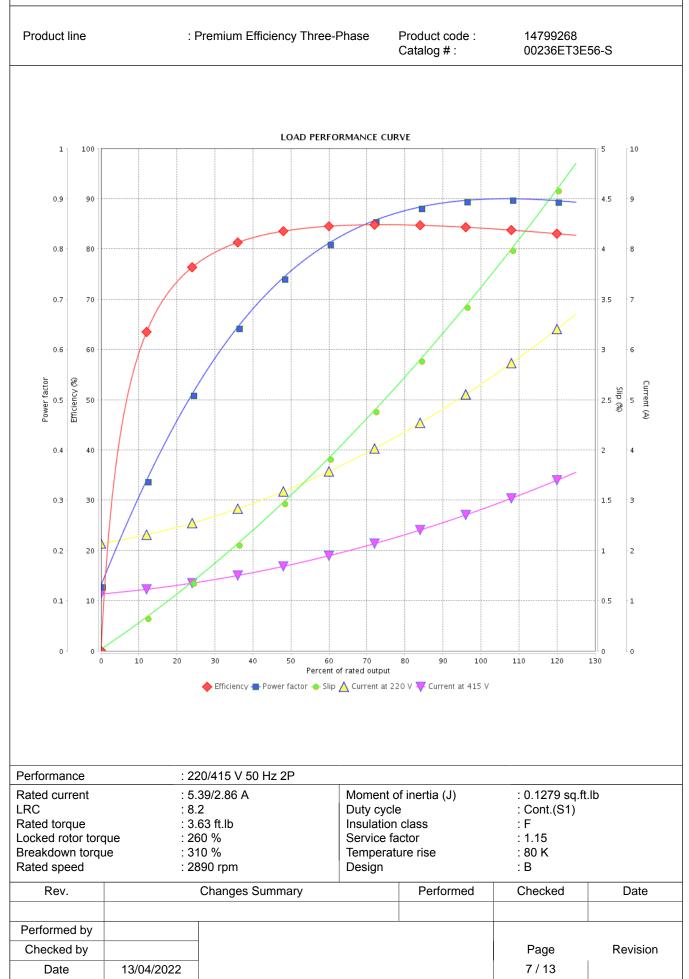
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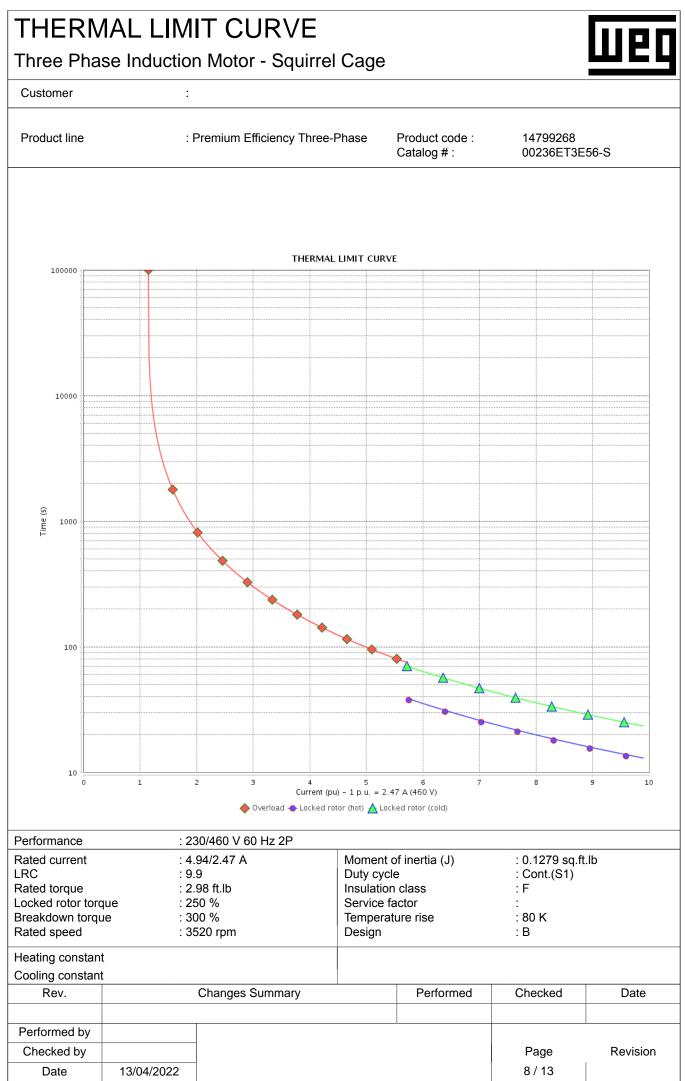
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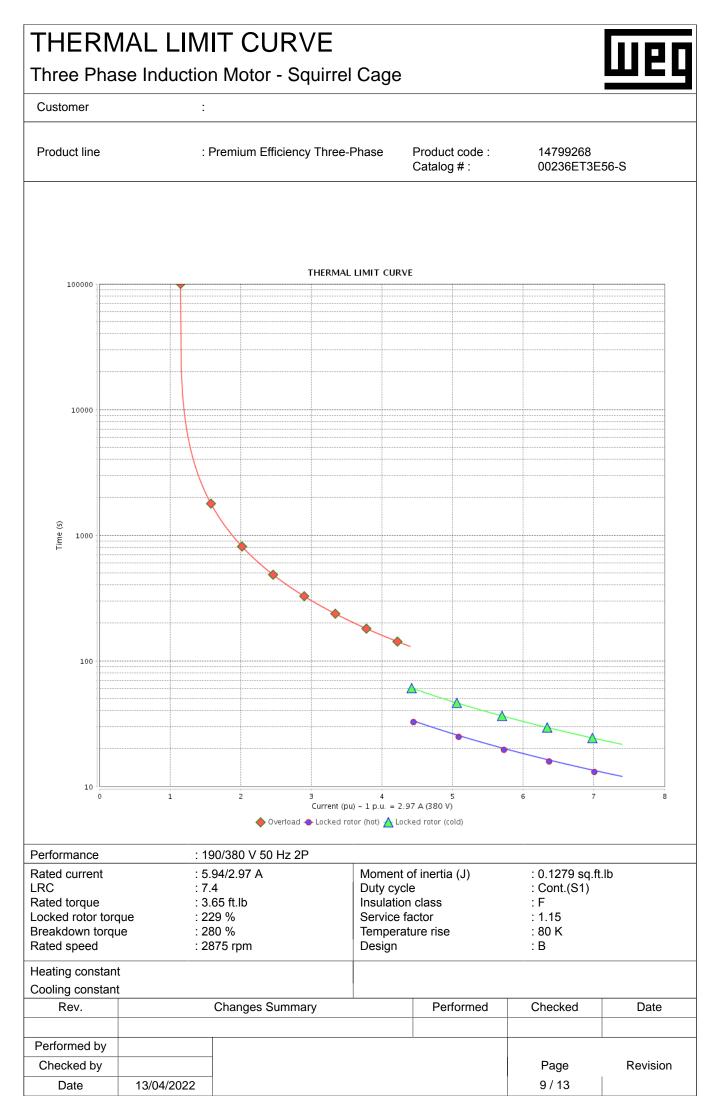
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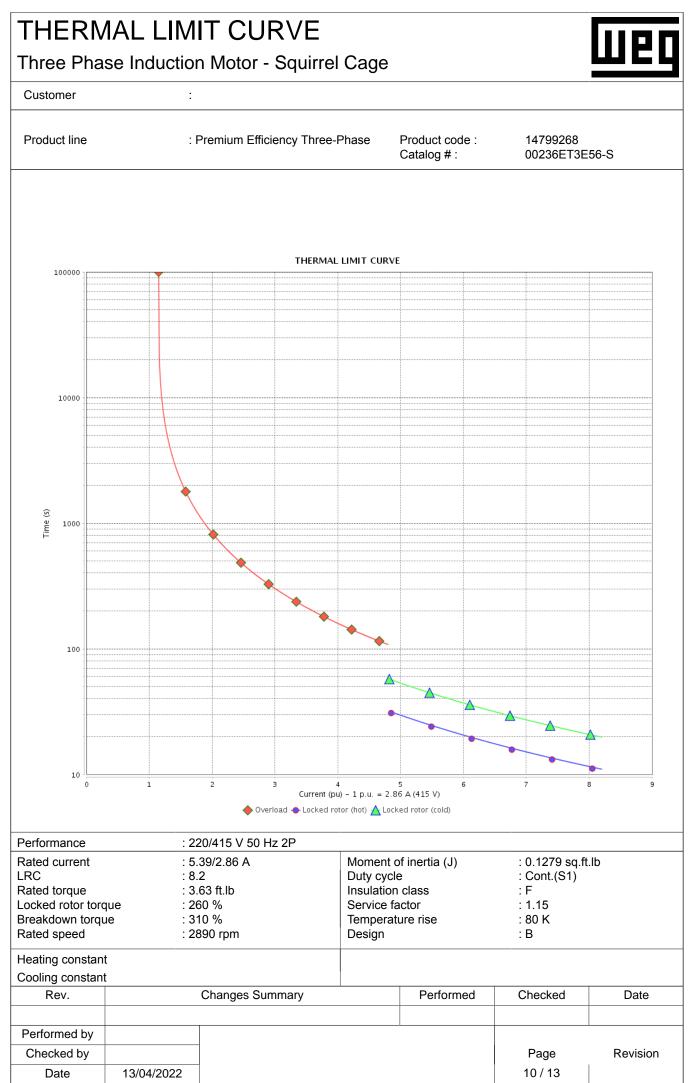
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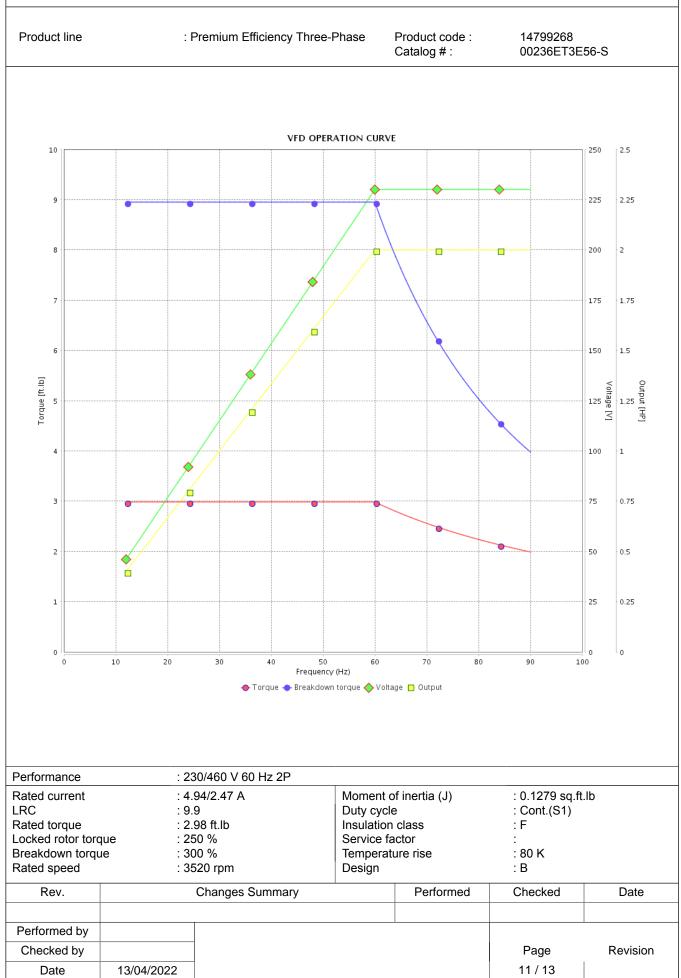


VFD OPERATION CURVE

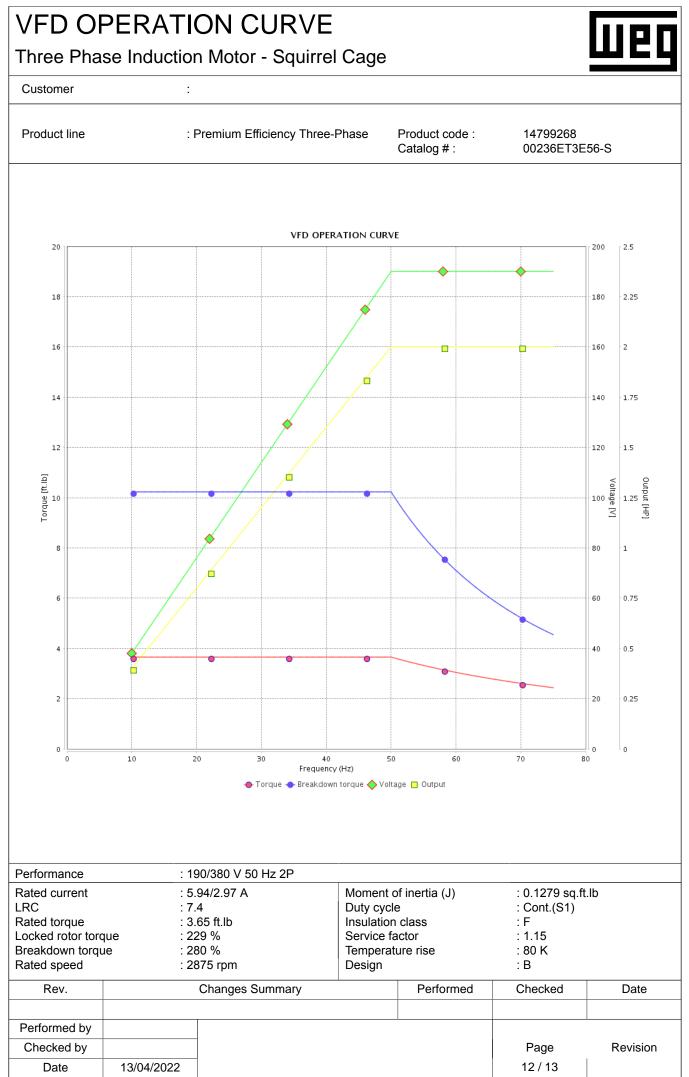
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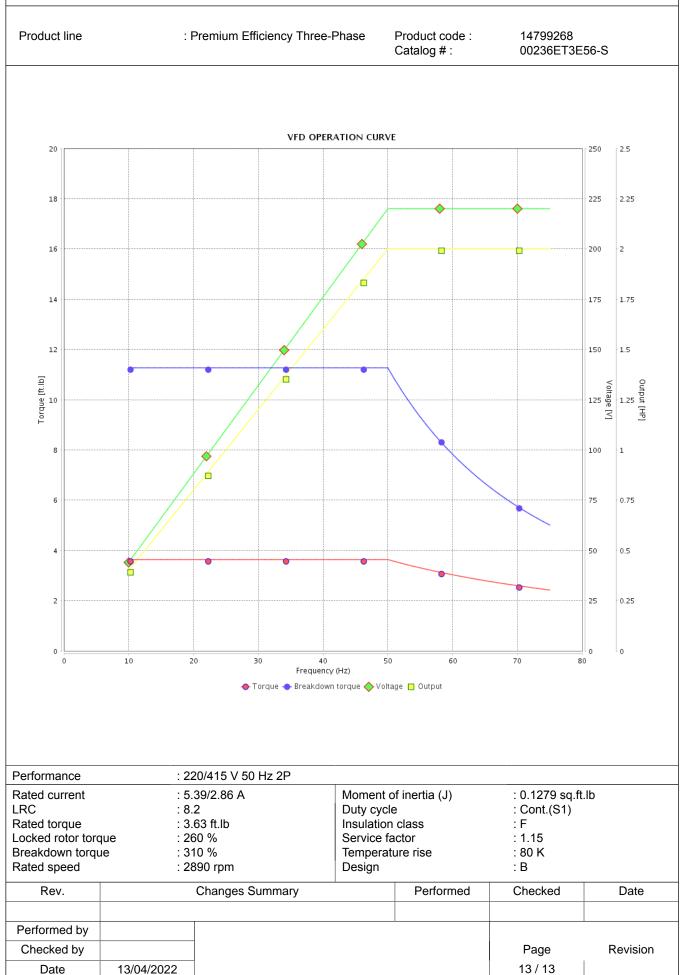


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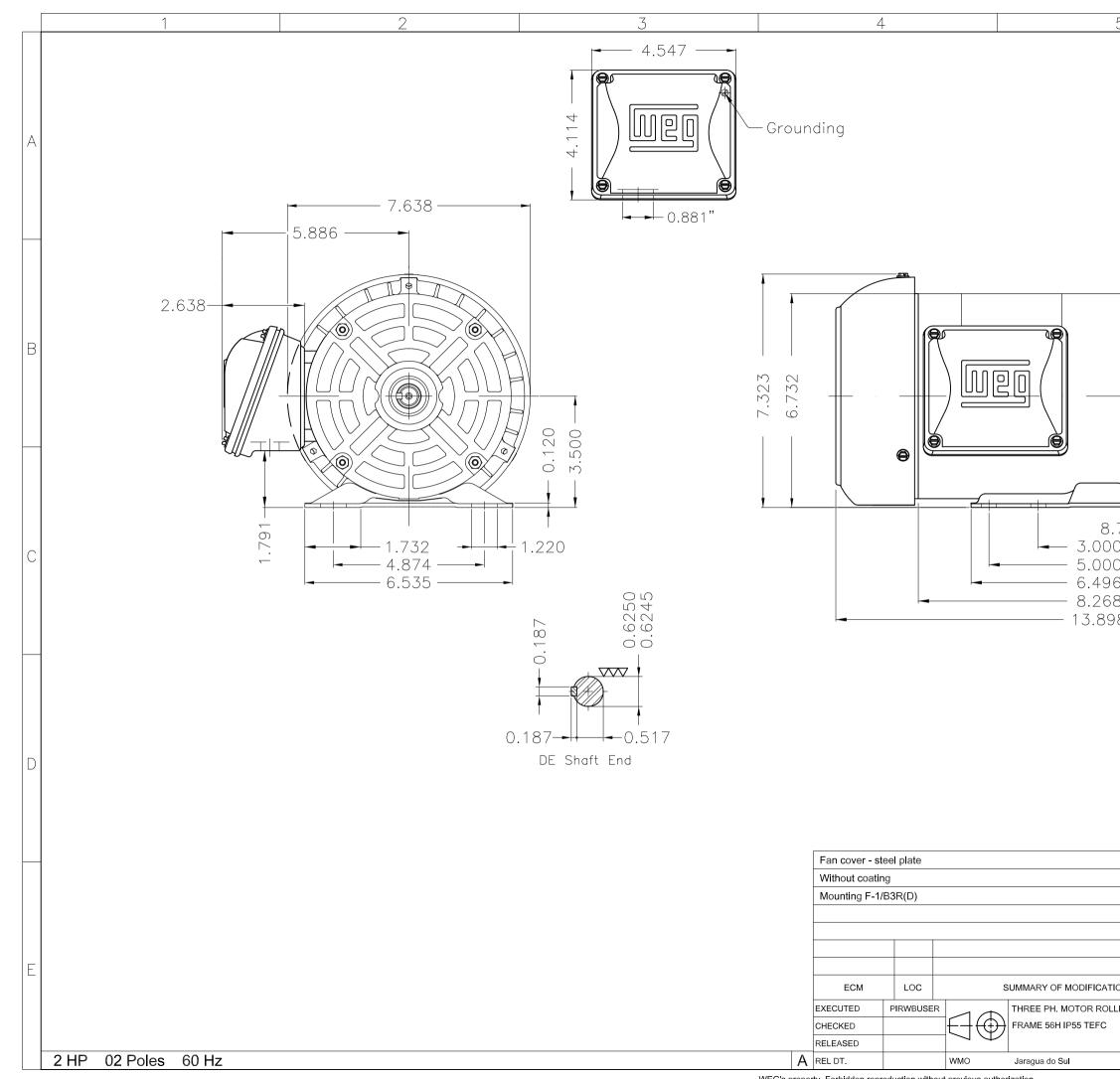
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	1.417 1.874 ±0.008	
	ECUTED CHECKED RELEASED DATE VER	
LED STEEL PREM. EFF.	PREVIEW WDD	
Product Eng		:

CONTREPCTION CONTRACTOR CONTRACTO	For 60H2: Class I, Zone 2, IIC Class I, DIV.2, Gr. A,B,C,D - T3 DIV 2 Inverter Duty (5F1.00) CT 2:1/17 1000:1	3 Hz 50 Ht 20 50 604 tw 12 20 445 1 TY CONT. V 230/460 kw 12 1 CL TEFC DODE L FF 0.89 F1.15 1 ABLE @ 208V 5.40A McM.EF 85.5% SF1.6 6004-1 ABLE @ 208V 5.40A Nomer 85.5% Nomer 85.5% SF1.6 ABLE @ 208V 5.40A Nomer 85.5% Nomer 85.5% SF1.6 ABLE @ 208V 5.40A Nomer 85.5% Nomer 85.5% SF1.6 S.94.5.2277A Z3FRFIM EFF 83.5% Nomer 90-2039-415V 5.15 SF1.6 S.94.5.2375777A Z3FRFIM EFF 83.5% Nomer 90-2039-415V 5.15 SF1.6 S.94.5.237577A Z3FRFIM EFF 83.5% Nomer 90-2039-415V 5.15 SF1.6 S.94.5.217A Z3FRFIM EFF 83.5% TE 83.5% SF1.6 SF1.6	T 13 T9-BRK RED ROTATION with local adding unit. Adding unit. Addin
-C Ri		HP 2.5 V 230(460 A 4.94(2.47 SF 5.68)2.84 SF 1.15 SF 1	YY [1 [2 [3] Y [1 [2]3 [3] Y [1 [2]3 [3] T [3]
	8 CC029A 0X ET3E56-S B/N:	Hz 50 	L2 L3 BE ANY TWO LINE W BE ANY TWO LINE W BE ANY TWO LINE W BE ANY TWO LINE W ANE THOUCH OF A AVERT ROSEMENT COMMINICATION
	MADE IN MÉXICO MAT: 14799268 CC02 W01.TE0IC0X0X MODEL 00236ET3E56-S 07DEC2021 B/N:	PFH 3 Px 50 DUTY CONT DUTY CONT DUTY CONT ALT 000 m.a.sl ALI 000 m.a.sl Ins. 56 CO ANS CF AT 80K C C NAS CF AT 80K C C NAS CF AT 80K C C ANS CF AT 80K C C NOL C C C C ALTERNATE RATING: 5.845.3227.377 ALTERNATE RATING: C SARA-22 DOE C C C OL ALTERNATE RATING: C DOE C OL AC DOE C AC DOE C AC T T AC T T T T	YY L1 INTERCHANK WARNING and and and and and and and and and and