DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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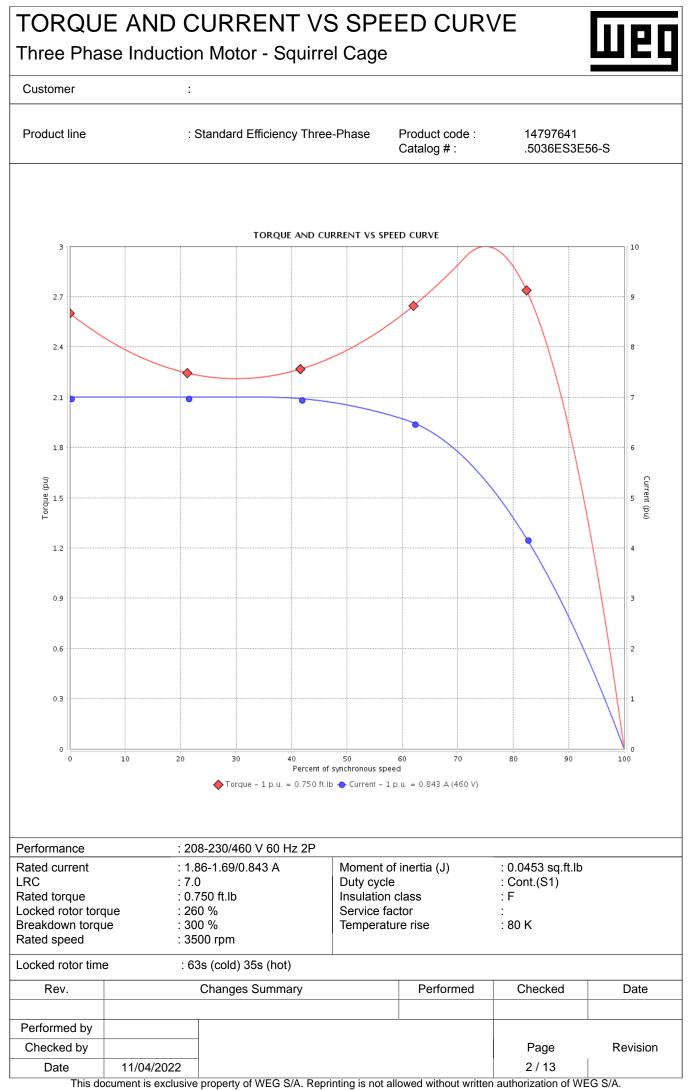
Customer

		: Standard Efficiency Three-Pl	hase Product code : Catalog # :	14797641 .5036ES3E56-S
Frame Insulation class Duty cycle Ambient tempera Altitude	ature	: 56 : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.	Cooling method Mounting Rotation ¹ Starting method Approx. weight ³	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 19.5 lb
Insulation class: FMounting: F-1Duty cycle: Cont.(S1)Rotation1: Both (CW and CCAmbient temperature: -20°C to +40°CStarting method: Direct On Line				
L. R. Amperes [A]		13.0-11.8/5.90	10.7/5.34	10.6/5.60
LRC [A]		7.0x(Code L)	6.0x(Code H)	6.4x(Code J)
No load current [A	1	0.776-0.900/0.450	0.874/0.437	0.951/0.504
Rated speed [RPN		3500	2865	2885
Slip [%]	1	2.78	4.50	3.83
Rated torque [ft.lb]	0.750	0.916	0.910
_ocked rotor torqu		260	200	229
Breakdown torque		300	260	290
Service factor			1.15	1.15
Temperature rise		80 K	80 K	80 K
Locked rotor time		63s (cold) 35s (hot)	77s (cold) 43s (hot)	72s (cold) 40s (hot)
Noise level ²		68.0 dB(A)	65.0 dB(A)	65.0 dB(A)
	25%	50.9	63.0	61.1
Efficiency (%)	50%	55.0	64.8	63.3
	75%	62.0	70.1	69.5
	100%	68.0	71.8	71.8
	25%	0.43	0.45	0.40
Power Factor	50% 75%	0.67 0.75	0.73 0.83	0.67
	100%	0.75	0.88	0.78
Bearing type Sealing Lubrication inter- Lubricant amour Lubricant type	val	Drive end Non drive end 6203 ZZ 6202 ZZ V'Ring Without Bearing Seal Mobil Polyrex EM	Max. traction Max. compression	: 16 lb : 35 lb
	′ SF 1.00			
USABLE @208V				
This revision repl must be eliminate (1) Looking the m	ed. notor from the 1m and with to weight subject ocess.	plerance of +3dB(A).	•	based on tests with sinusoidal ne tolerances stipulated in NEM/
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. notor from the 1m and with to weight subject ocess.	shaft end. blerance of +3dB(A).	power supply, subject to th	
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pr (4) At 100% of ful 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 th MG-1.	e tolerances stipulated in NEM
This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	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 th MG-1.	ne tolerances stipulated in NEMA
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pr (4) At 100% of ful Rev.	ed. notor from the 1m and with to weight subject ocess.	shaft end. blerance of +3dB(A). t to changes after Changes Summary	power supply, subject to th MG-1.	e tolerances stipulated in NEM

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 11/04/2022

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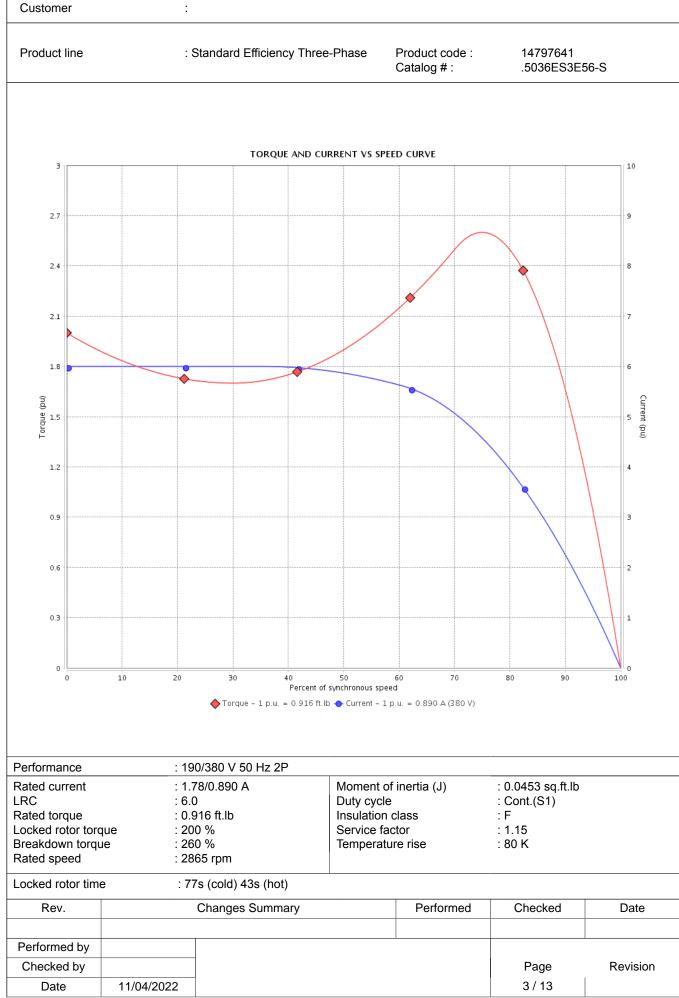


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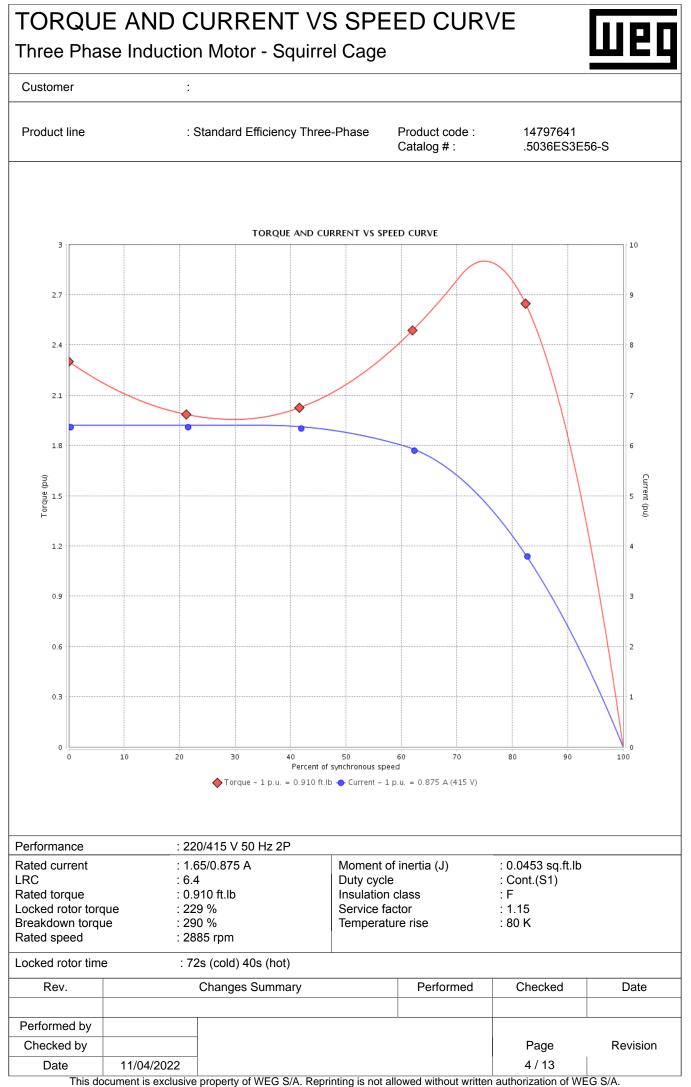
TORQUE AND CURRENT VS SPEED CURVE

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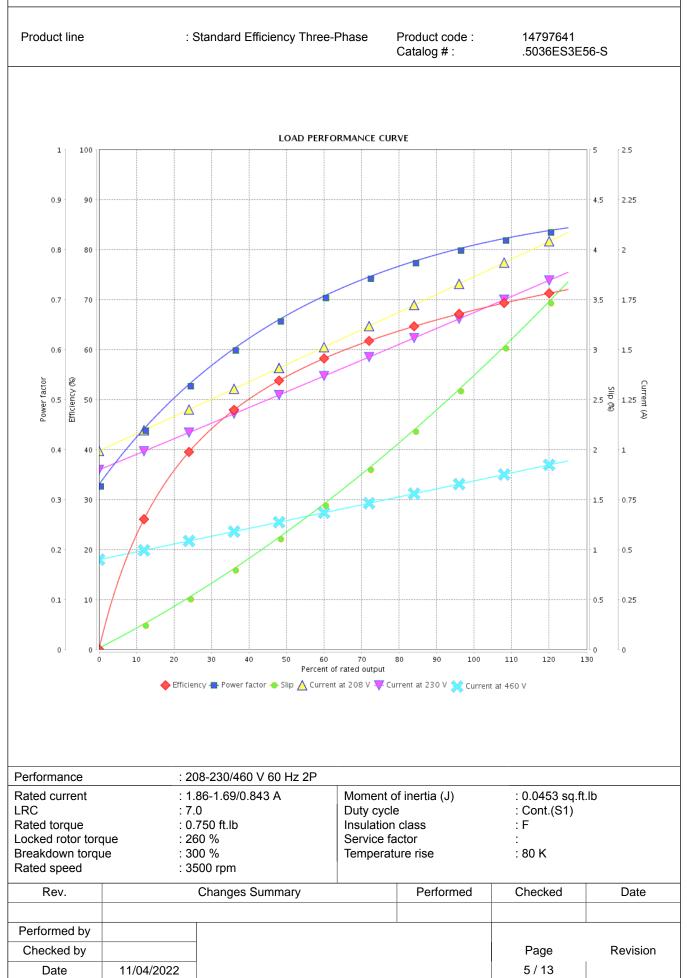
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LOAD PERFORMANCE CURVE

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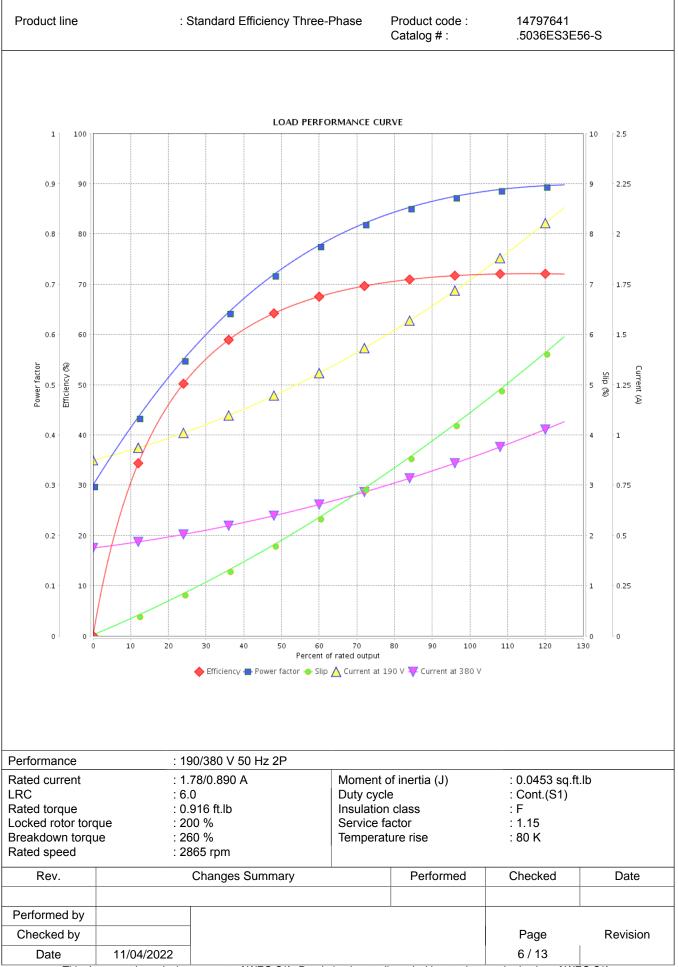
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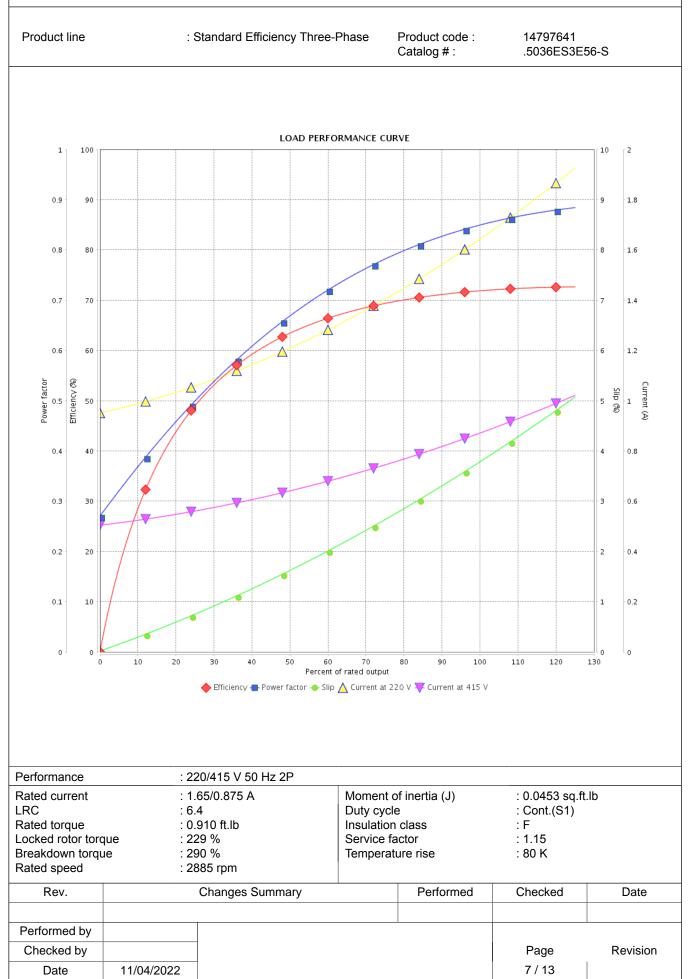
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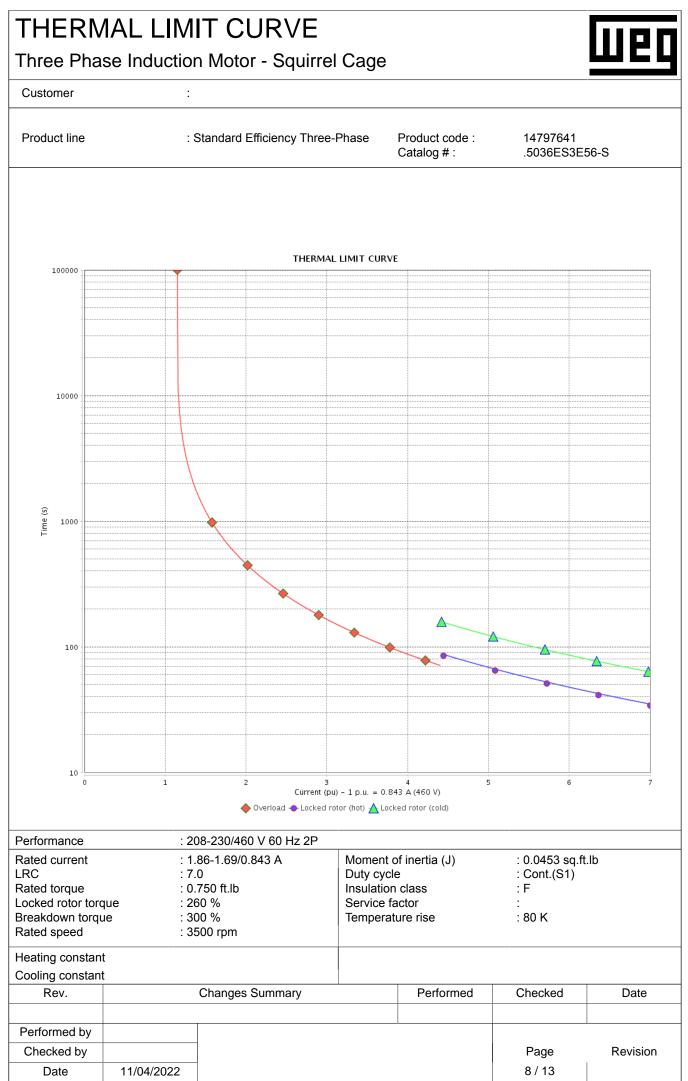
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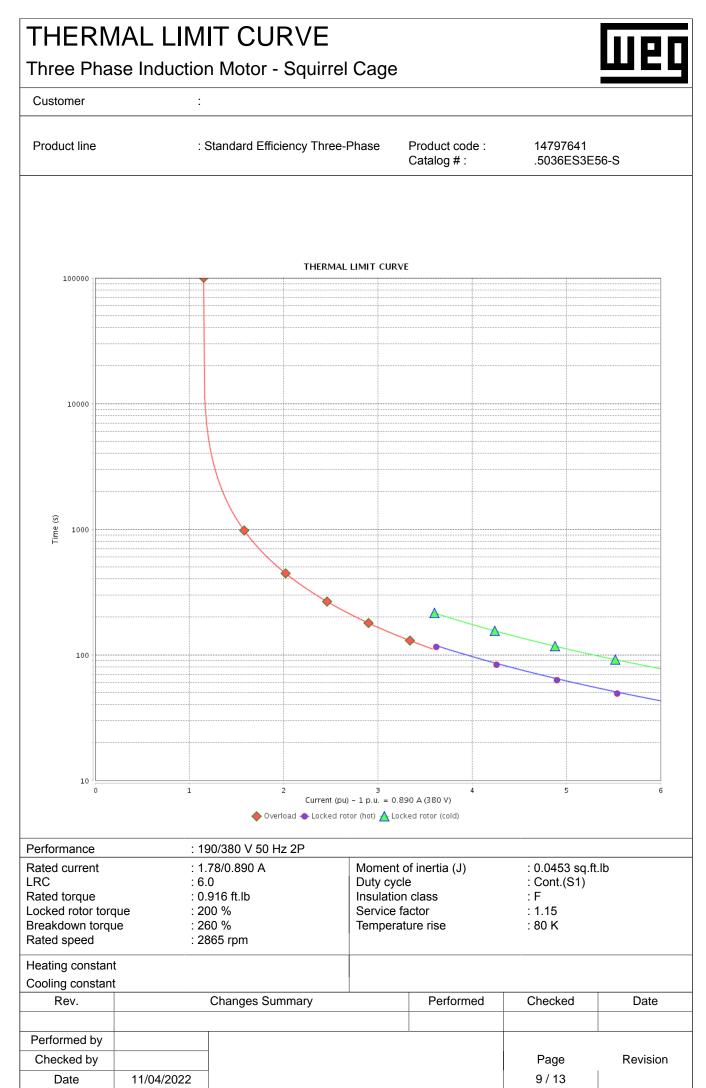
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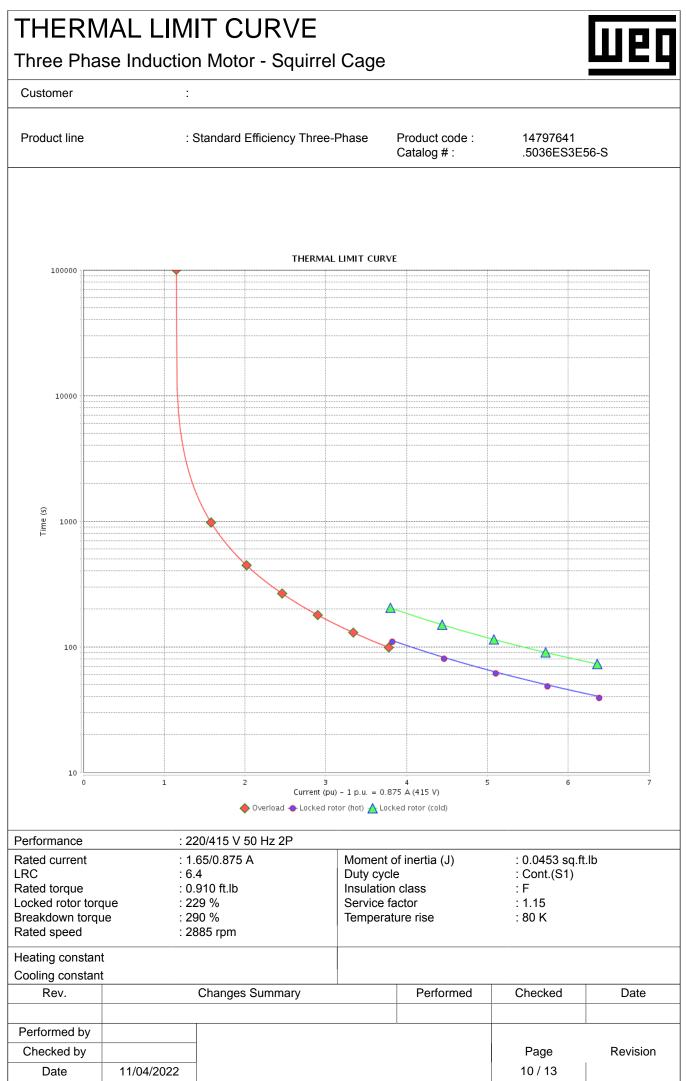
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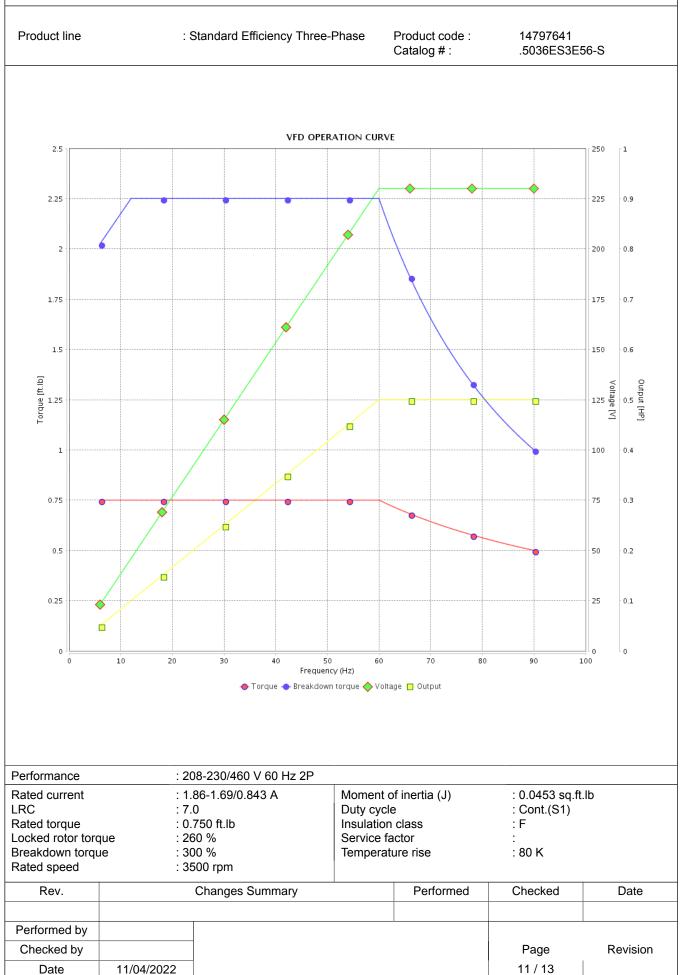
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VFD OPERATION CURVE

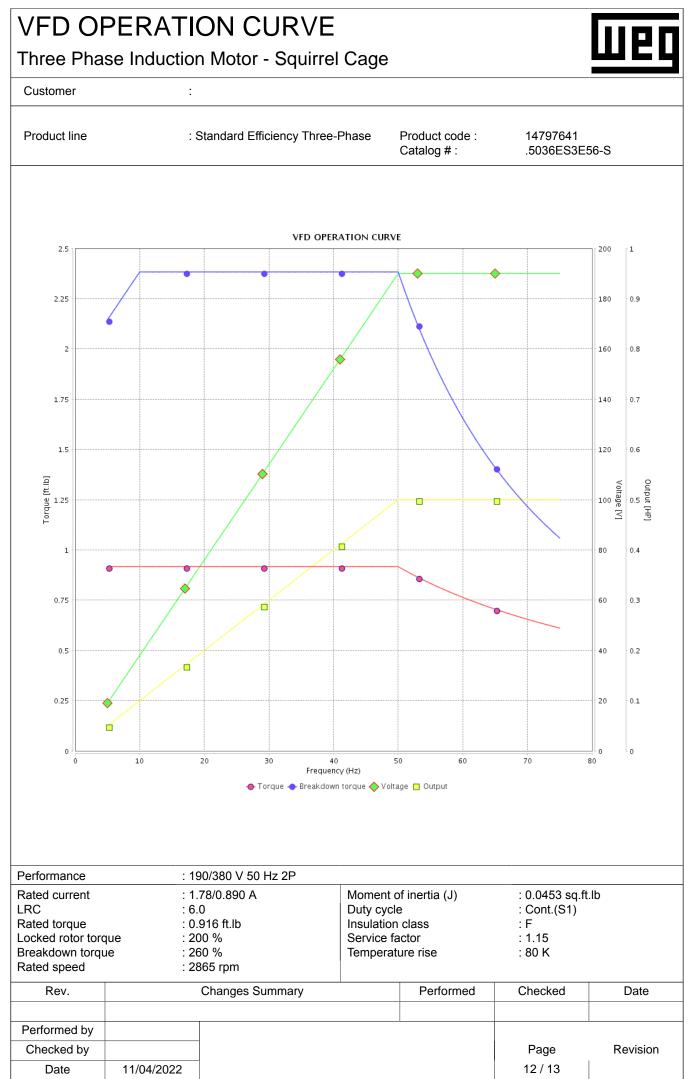
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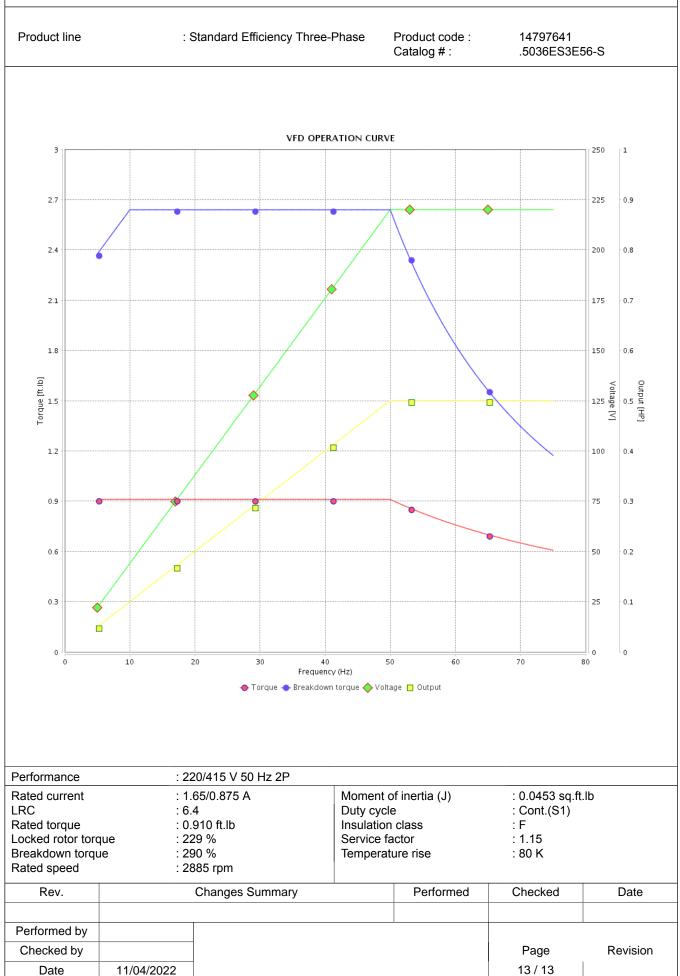
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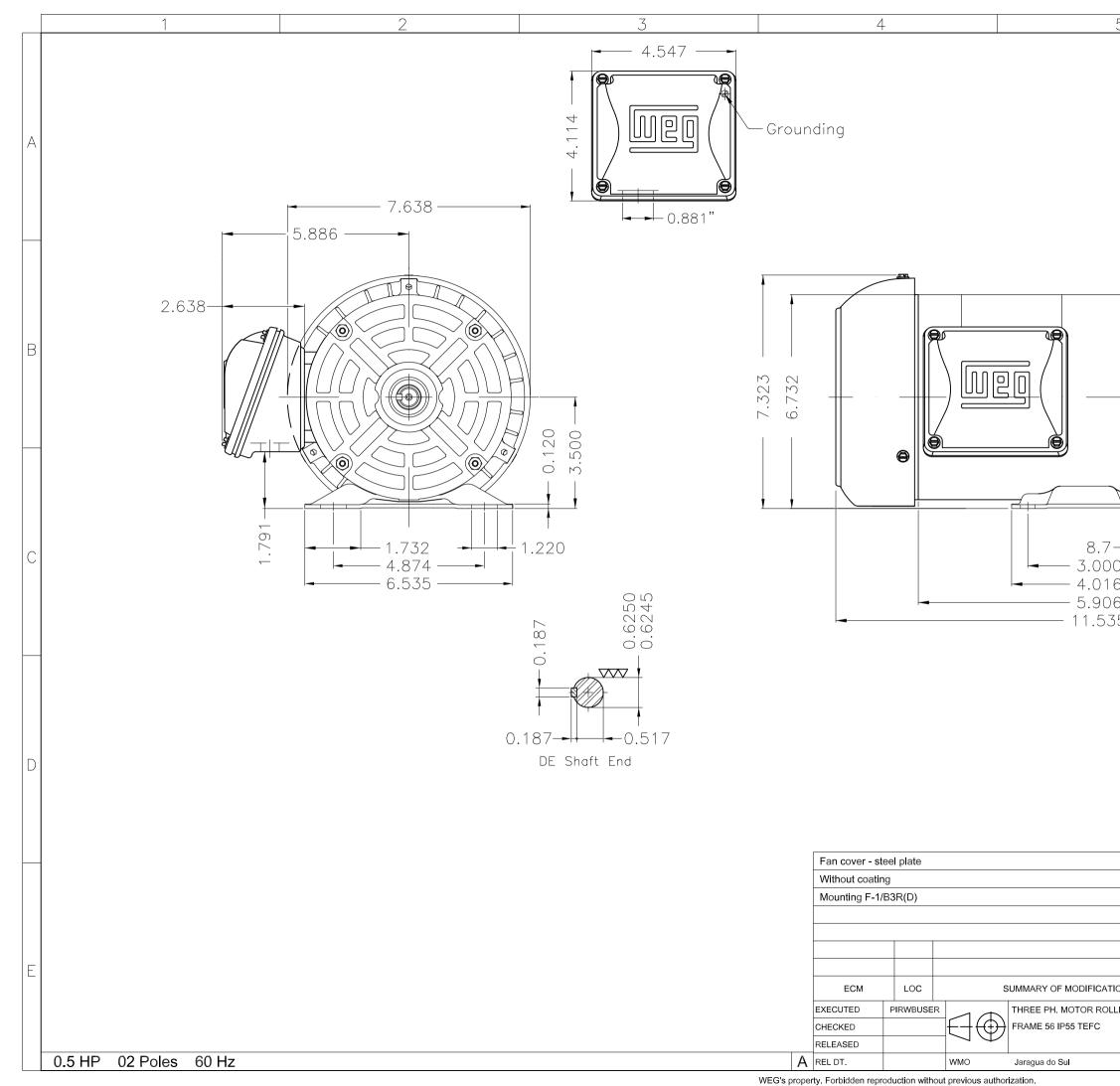
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5			6			
			-17 874 ±0.008			Dimensions in inches
					+	
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
LED STEEL		PREVI	EW	110		A3
Decdured	Engineering		1 / 1	ШВ		XME A
Product	Engineering	SHEET	1 / 1			Х







MADE IN MÉXICO

TEOIC0X0X 14797641 MAT è

.5036ES3E56-S Ē

Class I, DIv.2, Gr. A,B,C,D - T3 Div 2 Inverter Duty (SF1.00)

For 60Hz: Class I, Zone 2, IIC

28M.	28MAR2022	B/N:				-	CT 2:1/VT 1000:1	1000:1
H	3	Hz 60	•	HP 0.	0.50			
Ë	56			KW N	0.37			
S	DUTY CONT.			20	208-230/460	_		
Ā	1000 m.a.s.	_		•	1.86-1.69/0.843	E E		
INS	INS CL F AT 80K	┝	IP55		1.86-1.94/0.969	696		
AMB	40°C	ā	DES -	2	CL.L			
ENCI	ENCL TEFC	Ū	CODE L	_				
ISA	USABLE @ 208V SF1.00	SF1.0	8	NEMA 5300 NEMA 58.0%	68.0%			
ALTE	ALTERNATE RATING: 0.50HP	ÿ		50Hz	190-220/	190-220/380-415V	SF1.15	
÷	1.78-1.66/0.390-0.378A	0.87		2865RPM	EFF 71.5%	.5% (IE2)) IEC 60034-1	034-1
ŝ	For safe area-Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 10:1 CT	verte	r duty mo	tor For 60H	Iz use on	VPWM 1000	:1 VT, 10:	1 CT
Щ	DE 6203-ZZ	B	ODE 6202-ZZ		MOBIL POLYREX EM	EX EM		
				ĺ				

T2-WHT T8-RED T4-YEL F6-GRY **T9-BRK RED I3-ORG** T1-BLU T5-BLK I7-PNK NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION 9 6Ľ 13 Ř 6 Ŀ 4 DLTAGE LOW ≿

NARNING: Motor must be grounded in accordance with local

nentation 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 chos électrique grave. Déconnectez l'alli

