## DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Product line	: St	andard Eff	iciency Three-I	Phase	Product code : Catalog # :	14786457 .5036ES3E	56CFL-S
Frame		: 560	;		Locked rotor time	: 63s (cold)	35s (hot)
Output			HP (0.37 kW)		Temperature rise	: 80 K	
Poles		: 2			Duty cycle	: Cont.(S1)	
			-			: -20°C to +	
Frequency		: 60 I			Ambient temperature		
Rated voltage			-230/460 V		Altitude	: 1000 m.a	.S.I.
Rated current			6-1.69/0.843 A		Protection degree	: IP55	
L. R. Amperes		: 13.0	)-11.8/5.90 A		Cooling method	: IC411 - TI	EFC
LRC		: 7.0>	(Code L)		Mounting	: F-1	
No load current			76-0.900/0.450	) A	Rotation <sup>1</sup>	: Both (CW	and CCW)
Rated speed		: 350	0 rpm		Noise level <sup>2</sup>	: 68.0 dB(A	
Slip		: 2.78			Starting method	: Direct On	
Rated torque			50 ft.lb		Approx. weight <sup>3</sup>	: 18.9 lb	Line
Locked rotor tor		: 260			Approx. weight	. 10.3 10	
Breakdown torqu	le	: 300	70				
Insulation class		: F					
Service factor		: 1.15					
Moment of inerti	a (J)	: 0.04	153 sq.ft.lb				
Dutput	25%	50%	75% 1	100%	Foundation loads		
Efficiency (%)					Max. traction	. 10 lb	
	50.9	55.0		68.0		: 19 lb	
Power Factor	0.43	0.67	0.75 0	).81	Max. compression	: 38 lb	
			<u>Drive er</u>		Non drive en	<u>d</u>	
Bearing type		:	6203 2	<u>77</u>	6202 ZZ		
Sealing		:	V'Rin	g	Without Bearing	y Seal	
Lubrication inter	val	:	-	0	-		
Lubricant amour			-		_		
	it.	-					
Notes	SF 1.00	:		Мс	bil Polyrex EM		
Lubricant type Notes JSABLE @208V	SF 1.00	:		Mc	bil Polyrex EM		
Notes JSABLE @208V This revision repl nust be eliminate 1) Looking the m 2) Measured at 3) Approximate of nanufacturing pr	aces and ed. lotor from Im and wi weight sub ocess.	the shaft e th toleranc	end. e of +3dB(A).		bil Polyrex EM These are average values power supply, subject to t MG-1.		
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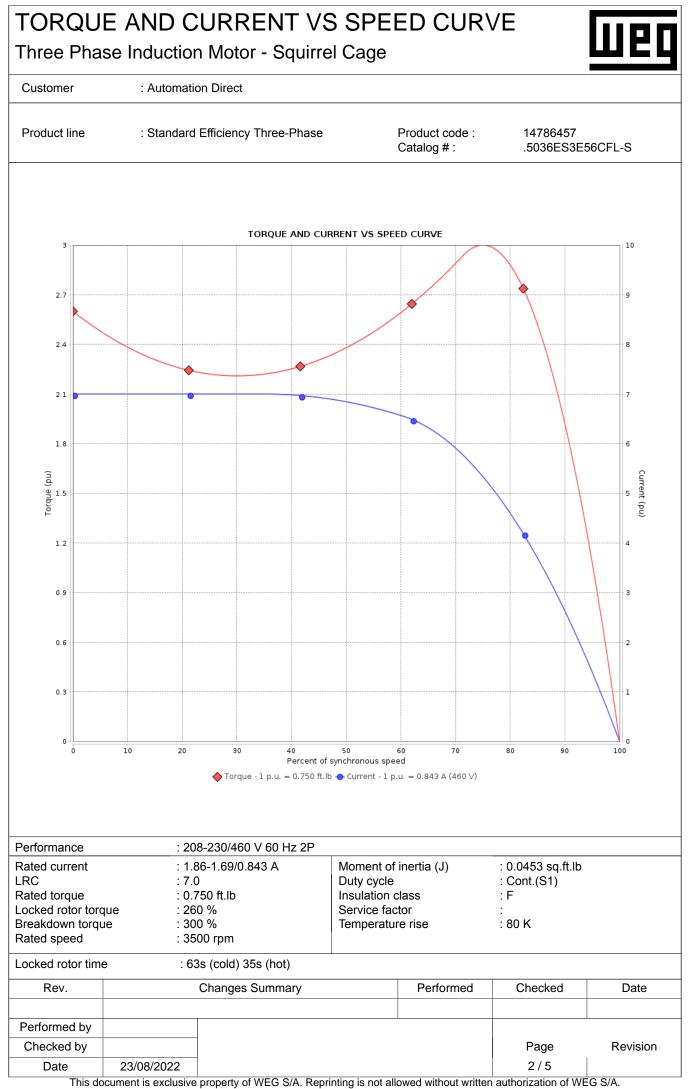
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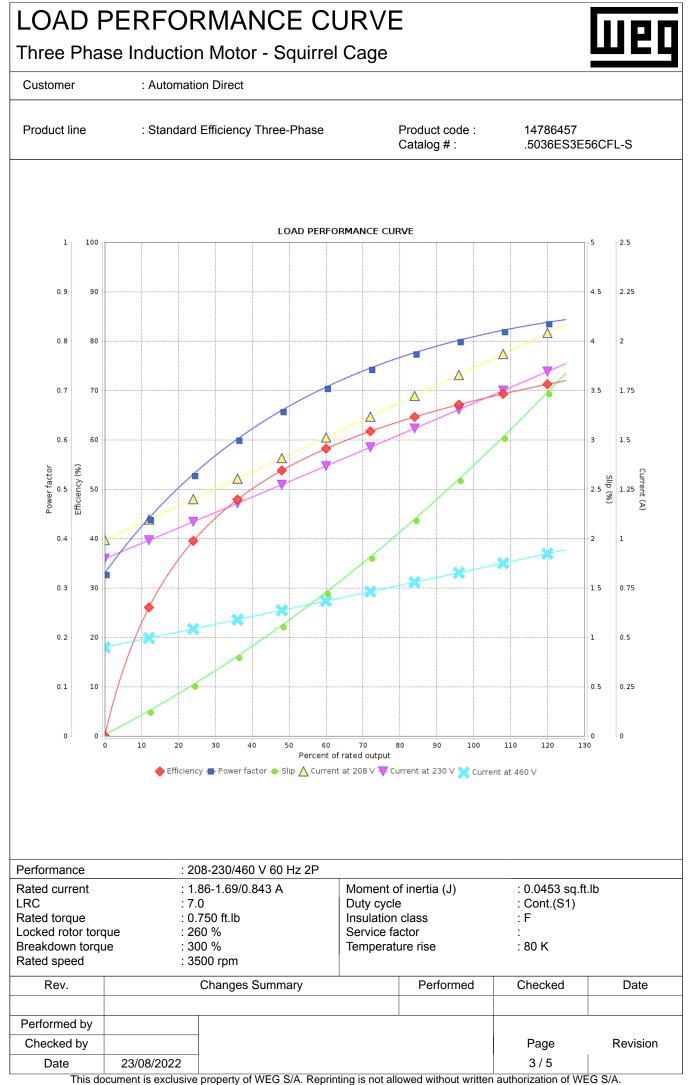
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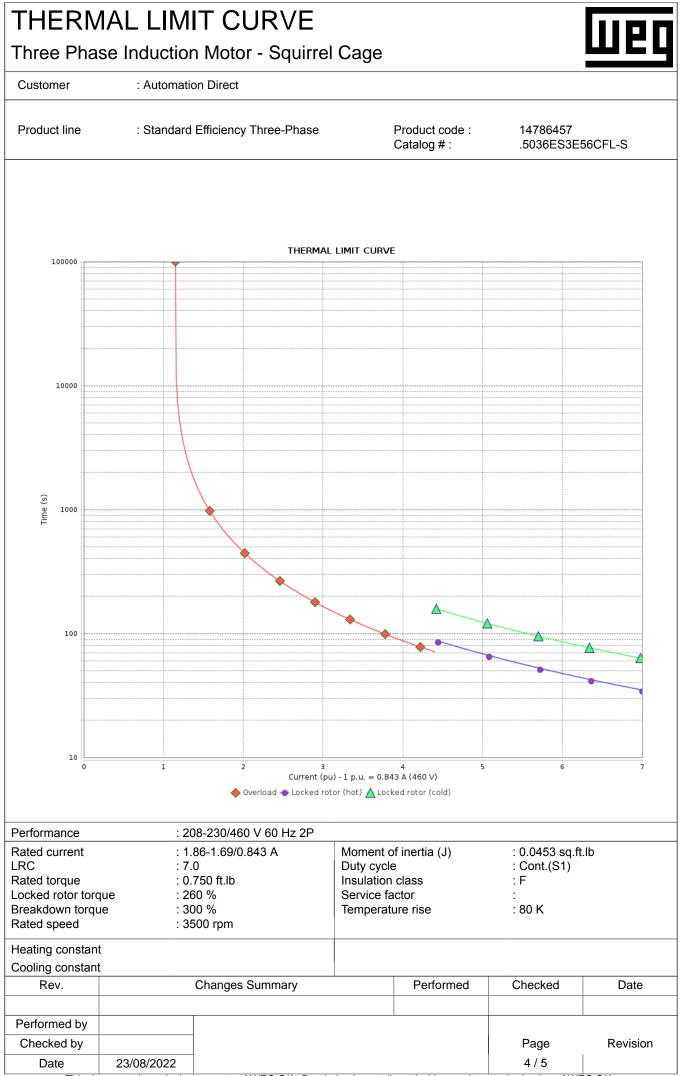
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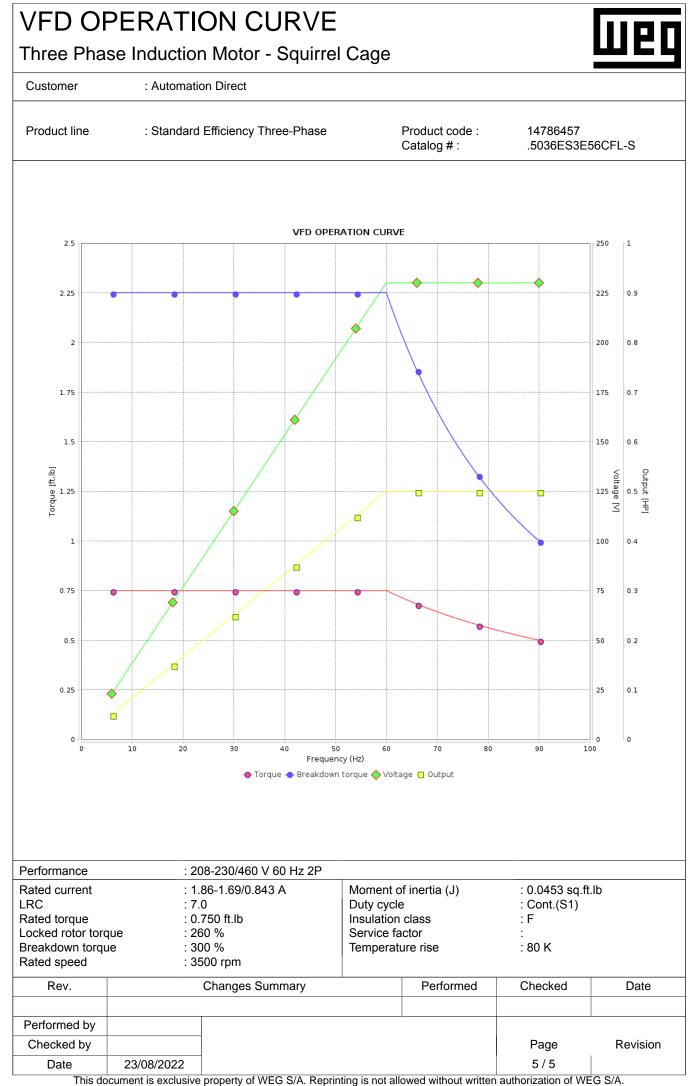
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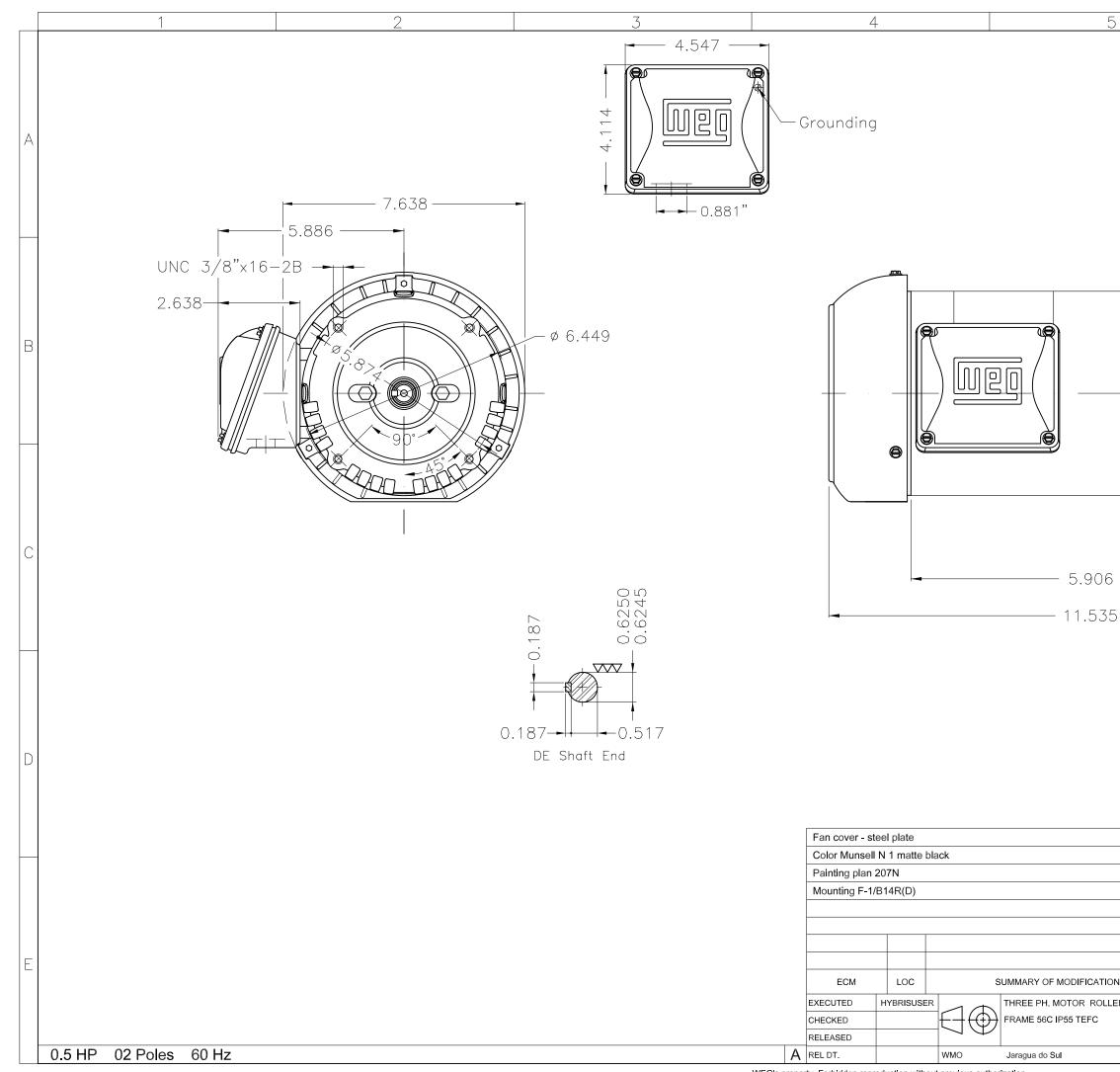
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5	6
	2.062 1.417 005 + 0.157 - 1.874 ±0.008
	Dimensions in inches
	ECUTED CHECKED RELEASED DATE VER
ED STEEL	PREVIEW WDD   SHEET 1 / 1
Product Eng	neering SHEET 1 / 1

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MADE IN BRAZIL

MAT: 14786457 N01.TEOIC0X0X

MODEL 5036ES3E56CFL-S

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

For 60Hz: Class I, Zone 2, IIC

23AUG2022 B	B/N:		CT 2:1/VT 1000:1
PH 3 H	Hz 60	HP 0.50	
FR 56C		kw 0.37	
DUTY CONT.		V 208-230/460	
ALT 1000 m.a.s.l		-	
INS CL F AT 80K	IP55		
AMB 40°C	DES -	SF 1.15	
ENCL TEFC	CODE L	_	
USABLE @ 208V SF1.00		NEMA 5300 NEMA 68.0%	
ALTERNATE RATING: 0.50HP		20/380-415V	SF1.15
1.78-1.66/0.890-0.878A		2865RPM EFF 71.5% (IE2) IEC	IEC 60034-1
For safe area-Inv	erter duty motor	For safe area-Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 10:1 CT	10:1 CT
DE 6203-ZZ (	ODE 6202-ZZ	MOBIL POLYREX EM	

T6-GRY T2-WHT T8-RED T4-YEL **T9-BRK RED I3-ORG** T1-BLU I7-PNK T5-BLK NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION NARNING: Motor must be grounded in accordance with local g 6 23  $\infty$ é EAGE κολ ≿



chocks. Disconnect power source before servicing unit. nd national electrical codes to prevent serious electrical

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