DATA SHEET

Three Phase Induction Motor - Squirrel Cage



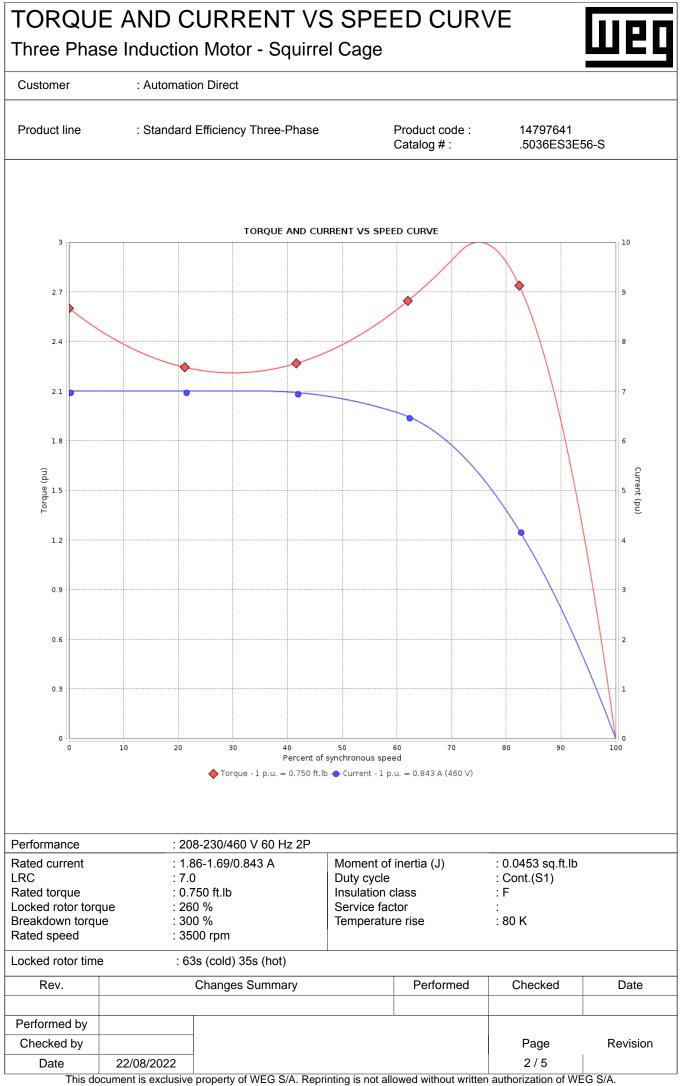
Product line	: St	andard Eff	iciency Thr	ee-Phase		Product code : Catalog # :	14797641 .5036ES3E	56-S
Frame		: 56			Locked rotor time		: 63s (cold)	35s (hot)
Output			HP (0.37 k	W)		rature rise	: 80 K	
Poles		: 2		,	Duty cy		: Cont.(S1)	
Frequency		: 60 I	47			nt temperature	: -20°C to +	
Rated voltage			-230/460 V	/	Altitude		: 1000 m.a.	
Rated current			5-1.69/0.84			, ion degree	: IP55	.5.1.
L. R. Amperes)-11.8/5.90			g method	: IC411 - TE	FC
LRC				A			: F-1	EFC
			(Code L)	450 4	Mountin			
No load current			76-0.900/0.	450 A	Rotatio			and CCW)
Rated speed			0 rpm		Noise le		: 68.0 dB(A : Direct On	
Slip Dated tarrys		: 2.78				g method		Line
Rated torque			50 ft.lb		Approx	. weight ³	: 19.6 lb	
Locked rotor toro		: 260						
Breakdown torqu	le	: 300	%					
Insulation class		: F	_					
Service factor	<i>.</i>	: 1.15						
Moment of inertia	a (J)	: 0.04	453 sq.ft.lb					
Output	25%	50%	75%	100%	Foundatio			
Efficiency (%)	50.9	55.0	62.0	68.0	Max. trac		: 18 lb	
Power Factor	0.43	0.67	0.75	0.81	Max. com	npression	: 38 lb	
				e end		Non drive end		
Bearing type		:		03 ZZ		6202 ZZ		
Sealing		:	V	'Ring		Without Bearing	Seal	
Lubrication interv	val	:		-		-		
Lubrigent				-				
	nt	:		-		-		
Lubricant type		:		-	obil Polyrex	- EM		
Lubricant amour Lubricant type Notes USABLE @208V		:		-	obil Polyrex	EM		
Lubricant type Notes JSABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	SF 1.00 SF 1.00 aces and o ed. lotor from Im and wit weight sub ocess.	the shaft e h toleranc ject to cha	end. e of +3dB(anges after	ne, which	These ar	re average values upply, subject to th	e tolerances stipu	lated in NEM
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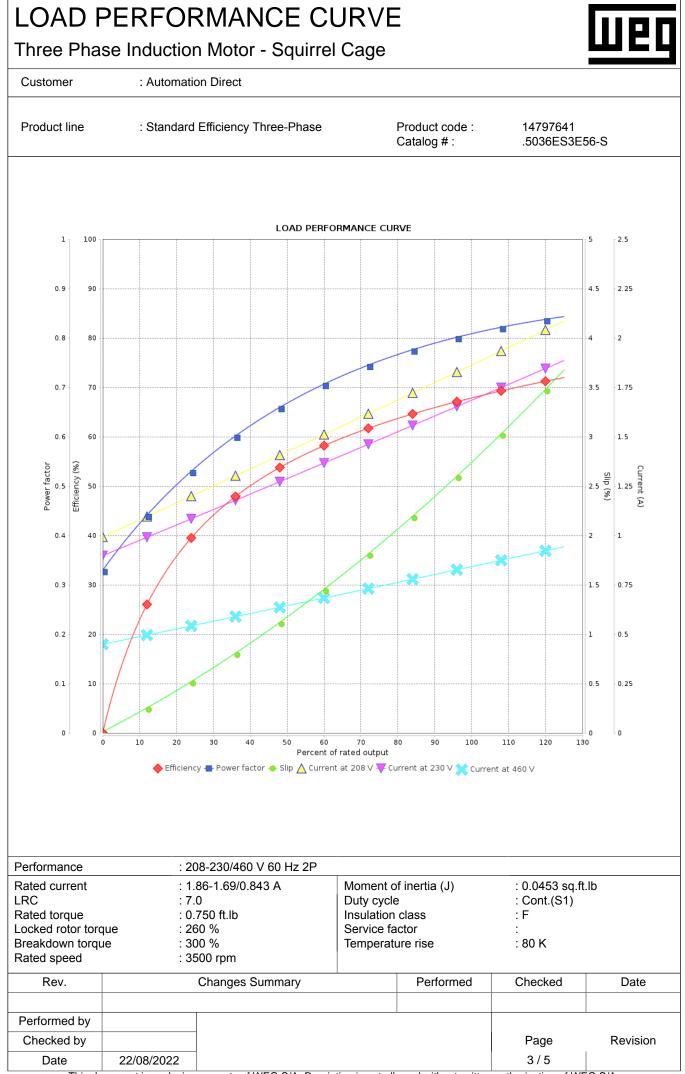
22/08/2022

Date

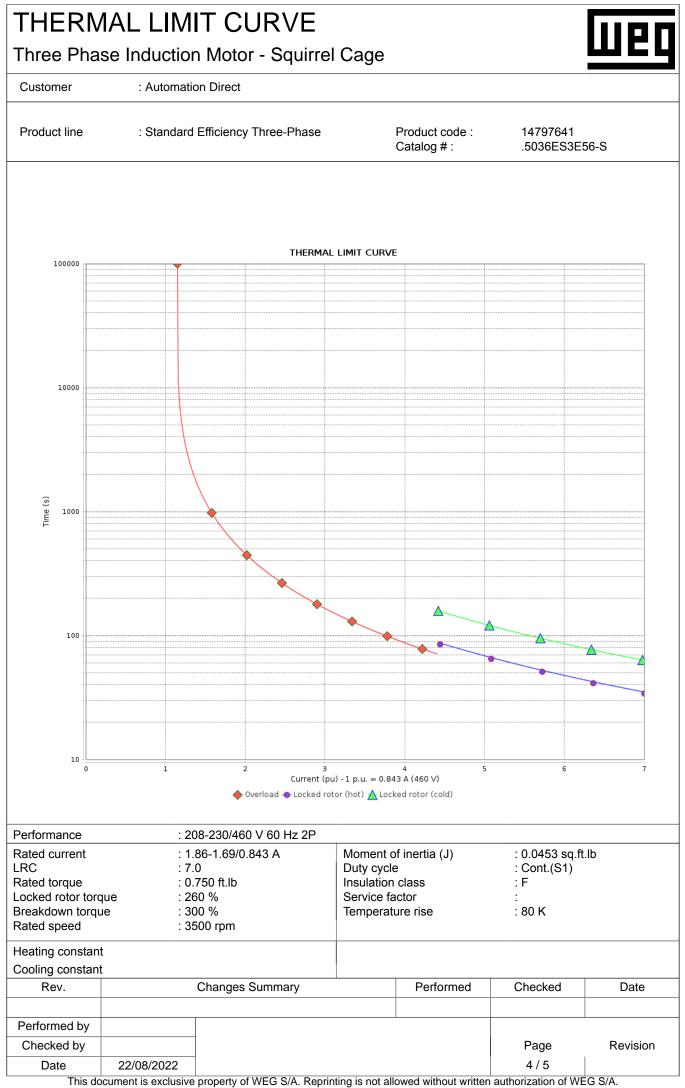
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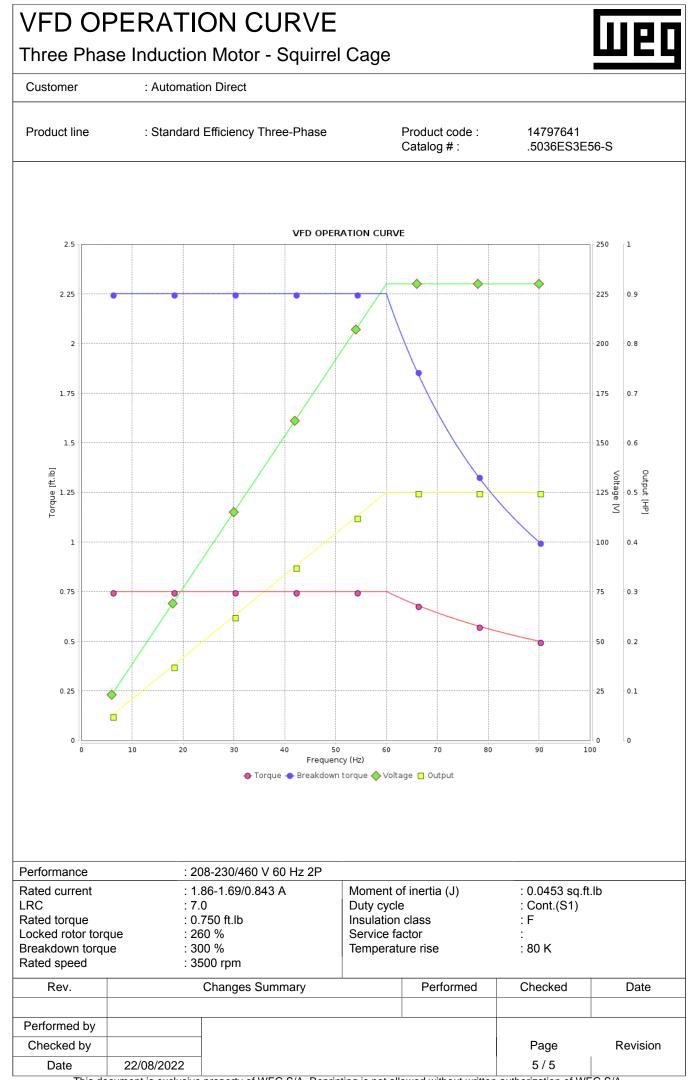
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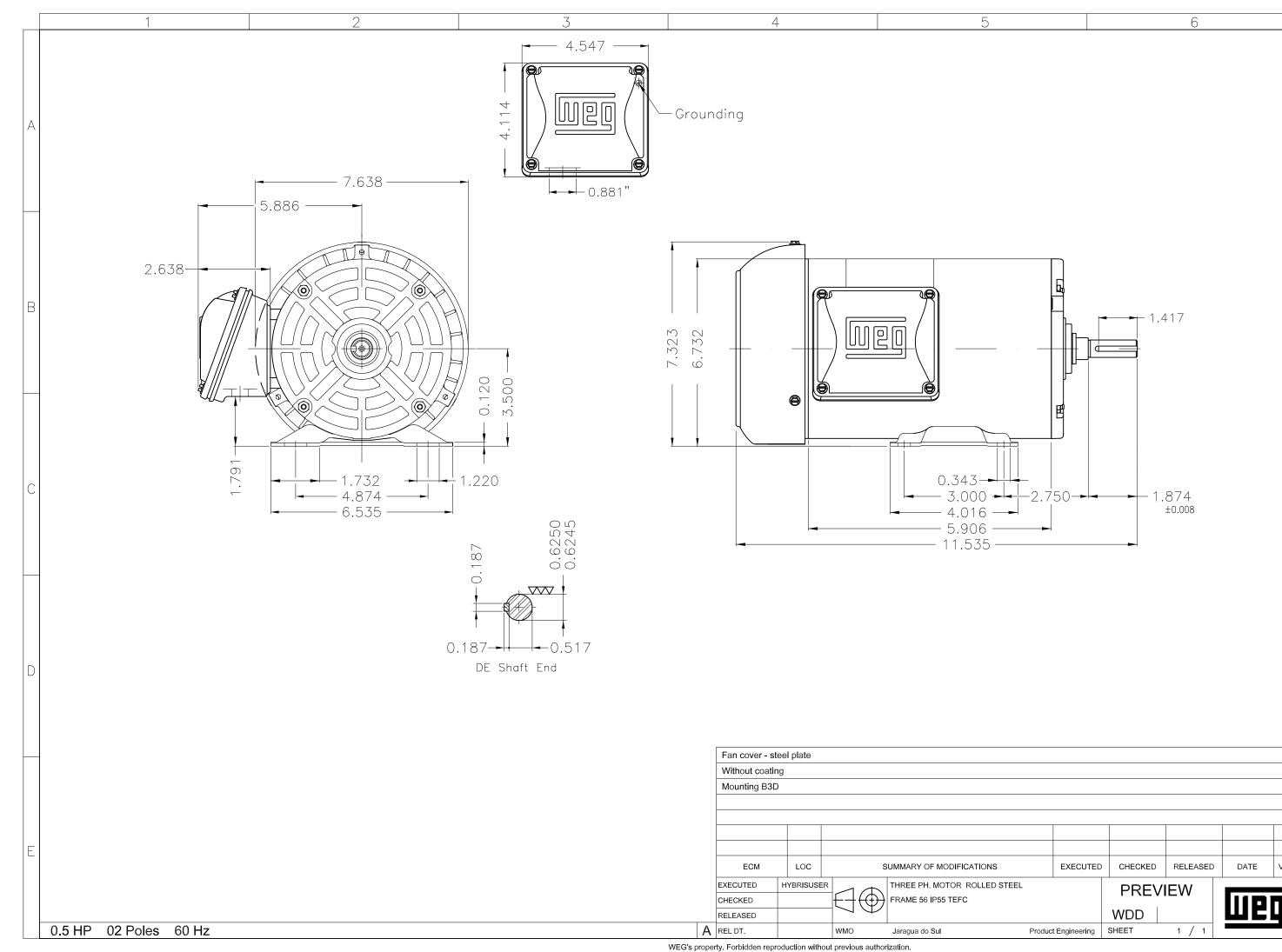
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						Dimensions in inches
NS	EXECUTED	CHECKED	RELEASED	DATE	VER	
ED STEEL		PREV	IEW			
		WDD		ШВ		A3
Produc	t Engineering	SHEET	1 / 1			XME







MAT: 14797641 MO1. TEOICOXOX MODEL .5036ES3E56-S

For 60H2: Class I, Zone 2, IIC Class I, DIV.2, Gr. A,B,C,D - T3 Div 2 Inverter Duty (SF1.00)

							5	2	CI 2:1/VI 10001	- 1
H 3 Hd	Hz 60	0	н	HP 0.50	0					
FR 56			z	N 0.37	-					
DUTY CONT.			Ĺ	/ 208	208-230/460	60				
ALT 1000 m.a.s.l	-			-	1.86-1.69/0.843	0.843				
INS CL F AT 80K	⊢	IP55		SFA 1.8	1.86-1.94/0.969	9.969				
AMB 40°C		DES -	» «		. .					
ENCL TEFC	0	CODE L	- 8 	DDM 9500	- 9					
USABLE @ 208V SF1.00	SF1.	8	z≍ġ	NEMA 5300 NEMA 68.0%	8.0%					
ALTERNATE RATING: 0.50HP	ÿ	0.50HI	1~		190-22	190-220/380-415V	5	SF1.15	15	-
1.78-1.66/0.890-0.878A	-0.87	BA	2865RPM	RPM	EFF	EFF 71.5%	(IE2)	Ü	IEC 60034-1	
For safe area-Inverter duty motor For 60Hz use on VPWM 1000:1 VT, 10:1 CT	vert	er duty i	motor F	Or 60H	z use o	n VPWM	1000:1	۲, ۲,	0:1 CT	
DE 6203-ZZ	ö	ODE 6202-ZZ	z	MOBIL	- POLY	MOBIL POLYREX EM				
T4	15	_T6	_	14	T5	16 T				1
1	l	•	95 	-		•	T1-BLU T2-WHT	1	2-WHT	
W W	<u>۳</u>	18 19 H	HE HE	5	178 1	6L	T3-ORG		T4-YEL	

T6-GRY T8-RED **T9-BRK RED** T7-PNK T5-BLK NTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION 17 17 100



shocks. Disconnect power source before servicing unit. WARNING: Motor must be grounded in accordance with local 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 ¹

