DATA SHEET

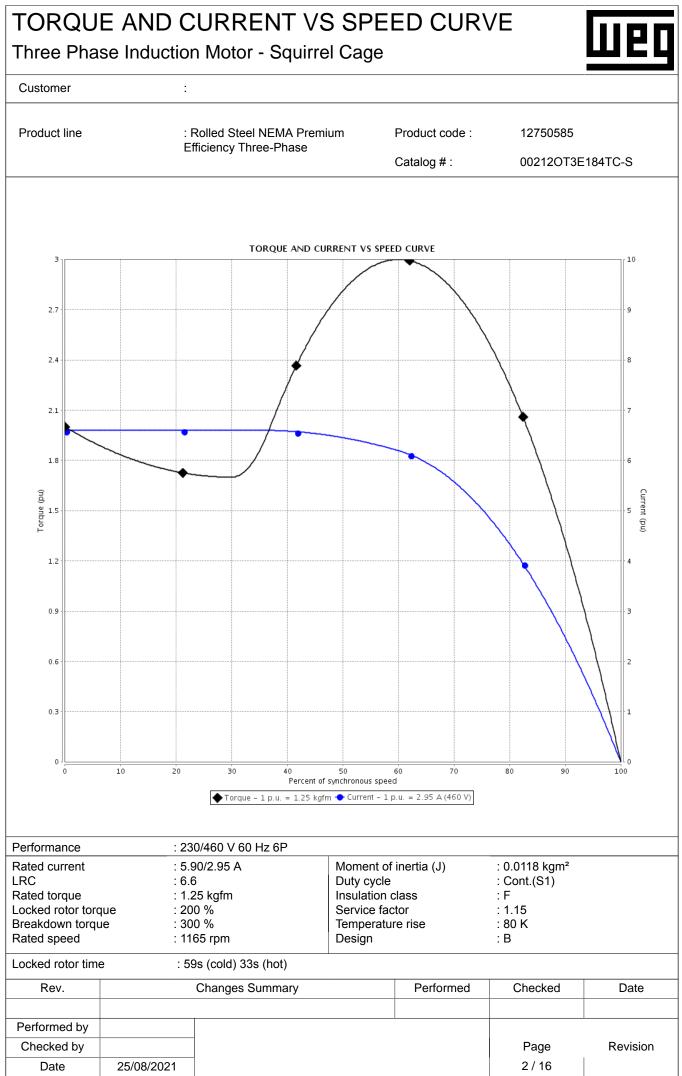
Three Phase Induction Motor - Squirrel Cage

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Customer

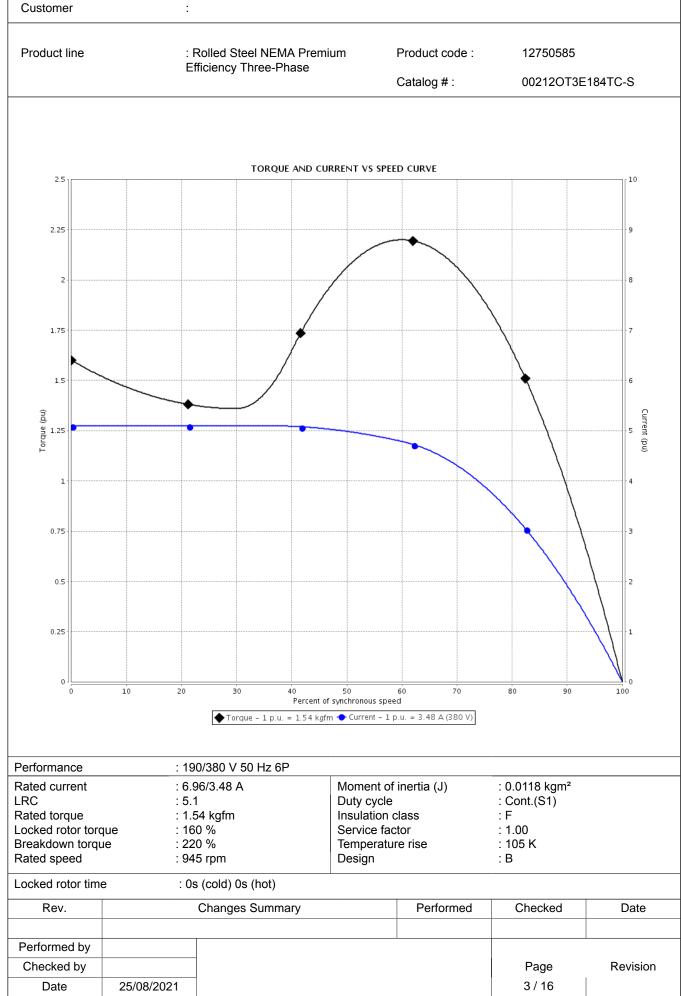
		: Rolled Steel NEMA Premiur Efficiency Three-Phase	n Product code :	12750585	
			Catalog # :	00212OT3E184	TC-S
Frame		: 182/4TC	Cooling method	: IC01 - ODP	
Insulation class		: F	Mounting	: F-1	
Duty cycle		: Cont.(S1)	Rotation ¹	: Both (CW and	CCW)
Ambient tempera	ature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude		: 1000 m.a.s.l.	Approx. weight ³	: 35.4 kg	
Design		: B	Moment of inertia (J)	: 0.0118 kgm ²	
Output [HP]		2	2	2	
Poles		6	6	6	
Frequency [Hz]		60	50	50	
Rated voltage [V]		230/460	190/380	220/4	15
Rated current [A]		5.90/2.95	6.96/3.48	6.41/3	
L. R. Amperes [A]		38.9/19.5	35.5/17.7	36.6/1	
LRC [A]		6.6x(Code J)	5.1x(Code G)	5.7x(Co	
No load current [A	1	3.42/1.71	3.37/1.69	3.50/1	
Rated speed [RPN		1165	945	950	
Slip [%]	••1	2.92	5.50	5.00	
Rated torque [kgfr	nl	1.25	1.54	1.53	
Locked rotor torque		200	1.54	1.53	
Breakdown torque		300	220	250	
	;[70]				
Service factor		1.15	1.00	1.00	
Temperature rise		80 K	105 K	4 08 (blac) c0	
Locked rotor time		59s (cold) 33s (hot)	Os (cold) Os (hot)	0s (cold) 0	
Noise level ²	0534	52.0 dB(A)	50.0 dB(A)	50.0 dE	<u> </u>
	25%	84.4	86.1	84.6	
Efficiency (%)	50%	85.5	84.8	84.0	
	75%	86.5	84.9	85.0	
	100%	87.5	83.0	83.8	
	25%	0.30	0.36	0.32	
Power Factor	50%	0.53	0.61	0.56	
	75%	0.66	0.73	0.69	
	100%	0.73	0.79	0.76	3
		Drive end Non drive end	Foundation loads		
Bearing type		: 6206 ZZ 6205 ZZ	Max. traction	: 62 kgf	
Sealing		: Without Without	Max. compression	: 97 kgf	
5		Bearing Seal Bearing Sea		5	
Lubrication interv	val	:			
Lubricant amour		:			
Lubricant type		: Mobil Polyrex EM			
		,			
MOTES					
Notes USABLE @208V	′ 6.52A SF 1.	00 SFA 6.52A			
USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1	aces and car ed. totor from the Im and with t weight subject ocess.	ncel the previous one, which	These are average values power supply, subject to th MG-1.		
USABLE @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	aces and car ed. totor from the Im and with t weight subject ocess.	ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after	power supply, subject to the MG-1.	ne tolerances stipulate	d in NEMA
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro	aces and car ed. totor from the Im and with t weight subject ocess.	ncel the previous one, which e shaft end. olerance of +3dB(A).	power supply, subject to the		
USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pre (4) At 100% of ful Rev.	aces and car ed. totor from the Im and with t weight subject ocess.	ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after	power supply, subject to the MG-1.	ne tolerances stipulate	d in NEMA
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USABLE @208V This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pre (4) At 100% of ful Rev.	aces and car ed. totor from the Im and with t weight subject ocess.	ncel the previous one, which e shaft end. olerance of +3dB(A). et to changes after	power supply, subject to the MG-1.	ne tolerances stipulate	d in NEMA



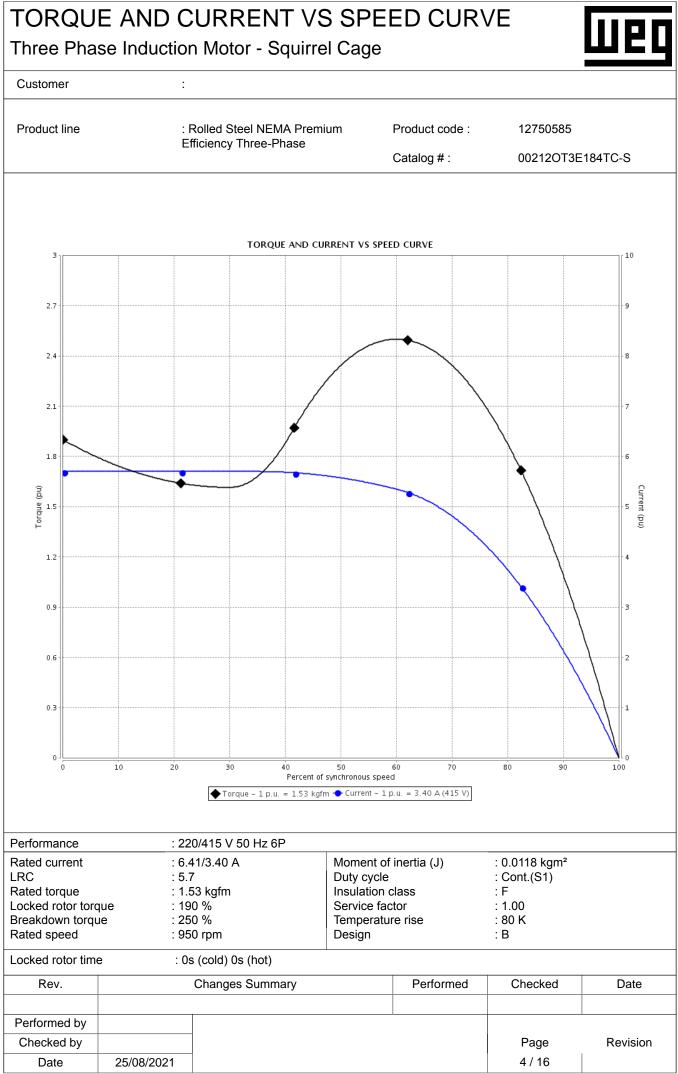
TORQUE AND CURRENT VS SPEED CURVE

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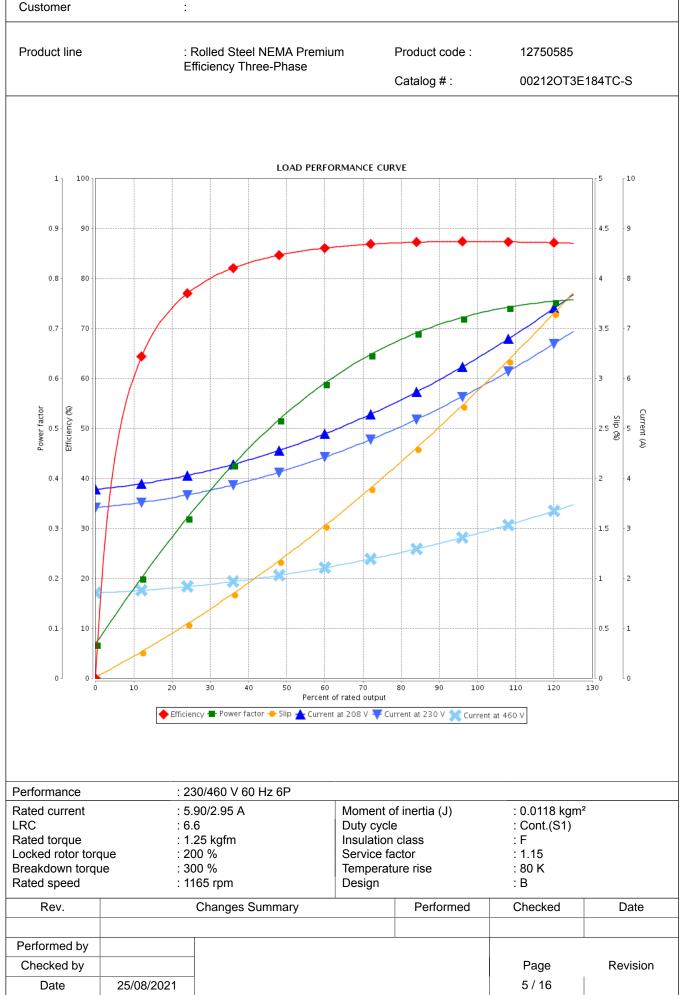
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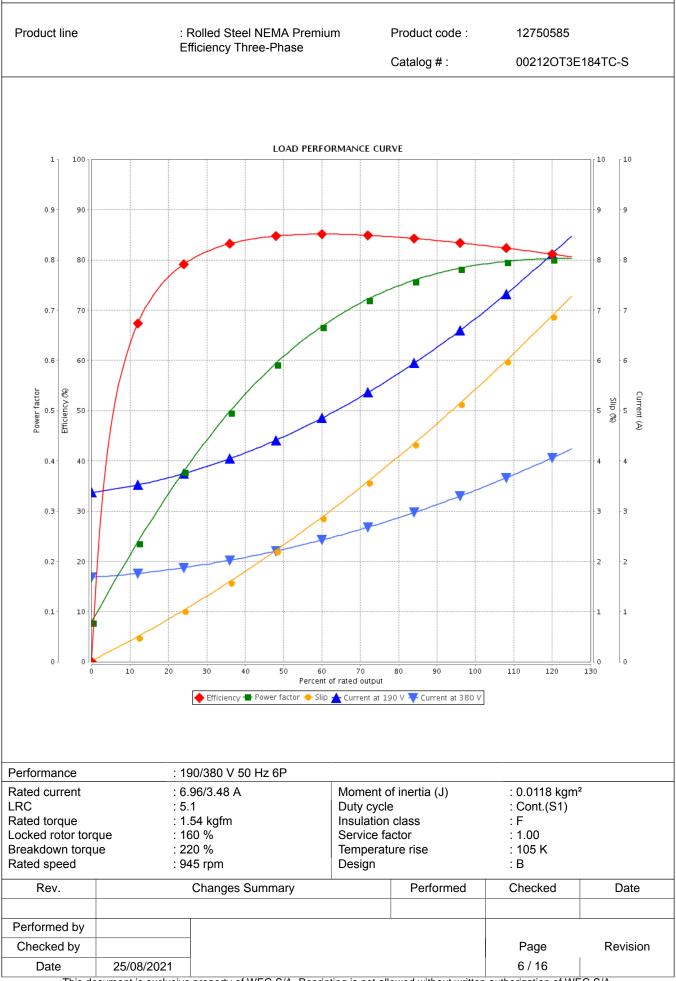
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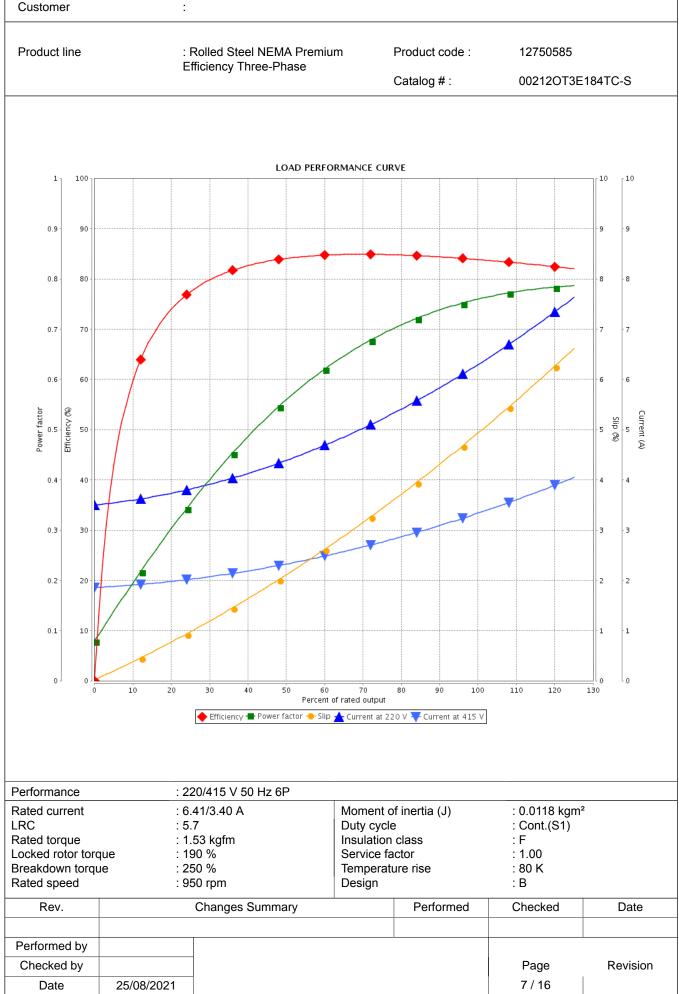
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THERMAL LIMIT CURVE

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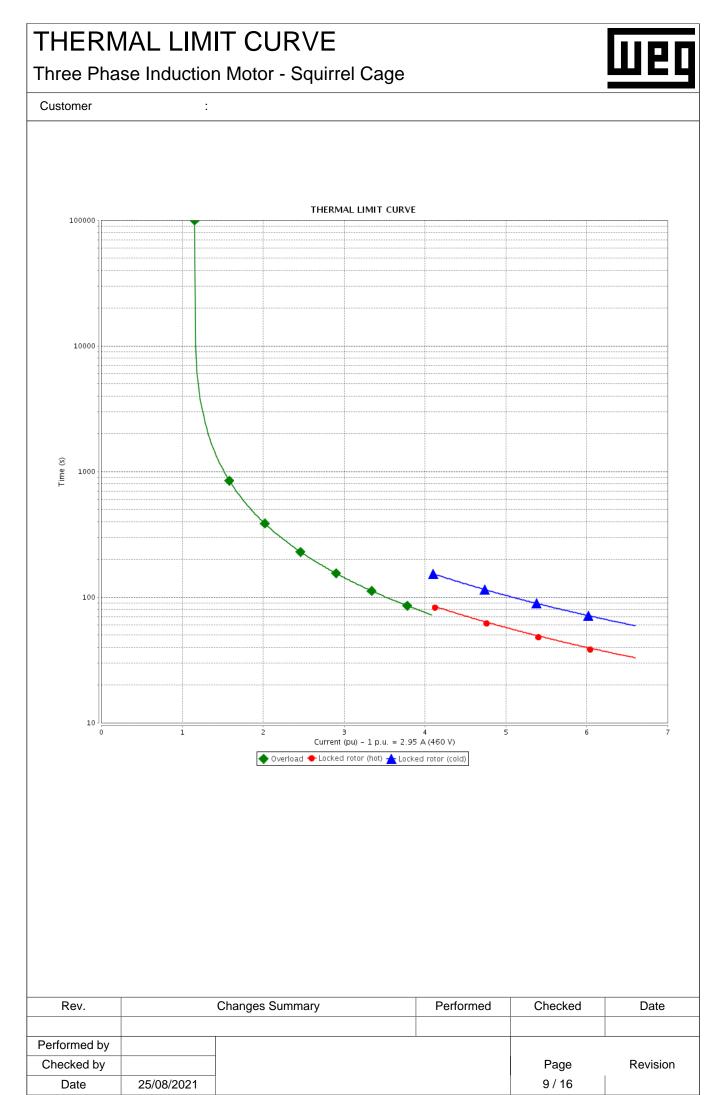


Customer

Product line		Rolled Steel NEMA Premiur fficiency Three-Phase		Product code : Catalog # :	12750585 00212OT3E1	184TC-S
Performance		30/460 V 60 Hz 6P				
Rated current		90/2.95 A	Moment o	f inertia (J)	: 0.0118 kgm ²	
LRC Rated torque	: 6. · 1	6 25 kgfm	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor tor		20 Kgim 20 %	Service fa		: 1.15	
Breakdown torqu	ue : 30	00 %	Temperate	ure rise	: 80 K	
Rated speed	: 11	l65 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	25/08/2021				8 / 16	

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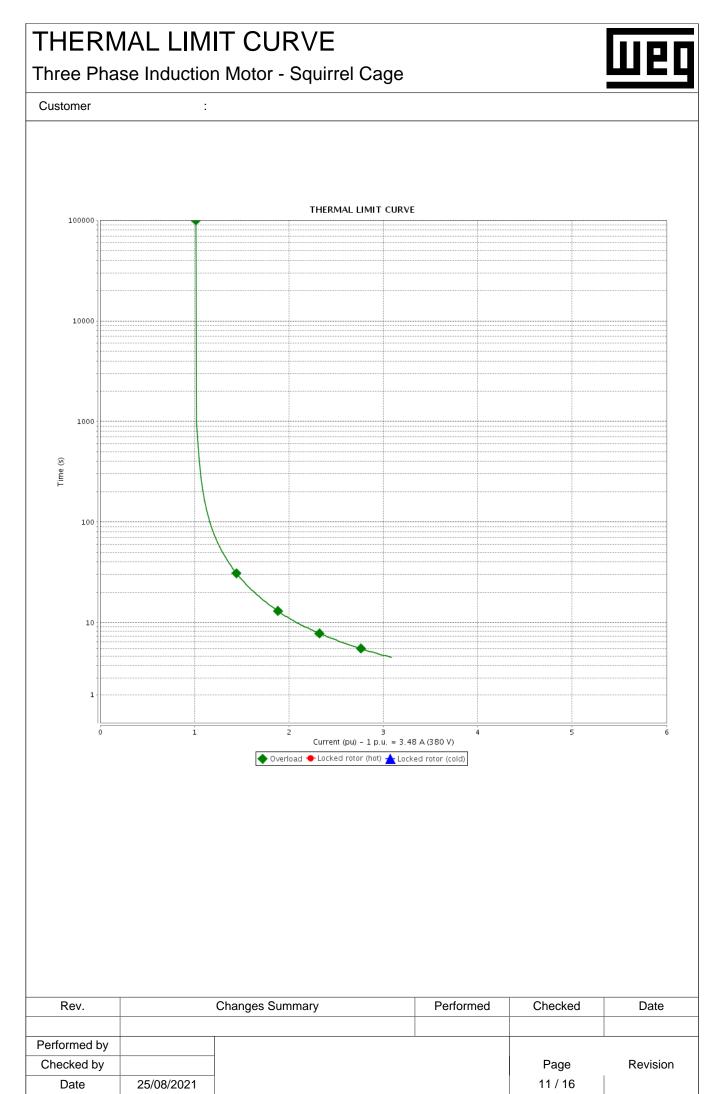


Customer

Product line		Rolled Steel NEMA Premiu	m	Product code :	12750585	
	Ef	fficiency Three-Phase		Catalog # :	00212OT3E1	84TC-S
Performance	: 19	90/380 V 50 Hz 6P				
Rated current		96/3.48 A	Moment o	f inertia (J)	: 0.0118 kgm²	
LRC	: 5.		Duty cycle		: Cont.(S1) : F	
Rated torque Locked rotor toro		54 kgfm 60 %	Insulation Service fa		: 1.00	
Breakdown torqu		20 %	Temperati		: 105 K	
Rated speed		45 rpm	Design		: B	
Heating constan	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	25/08/2021				10 / 16	

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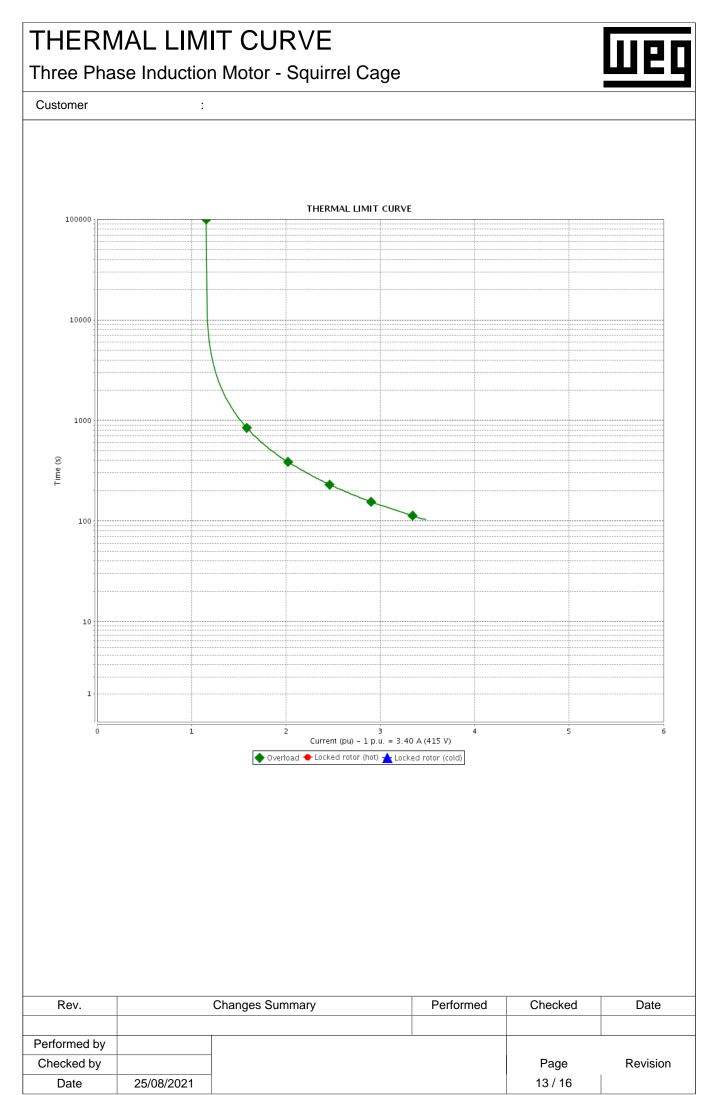


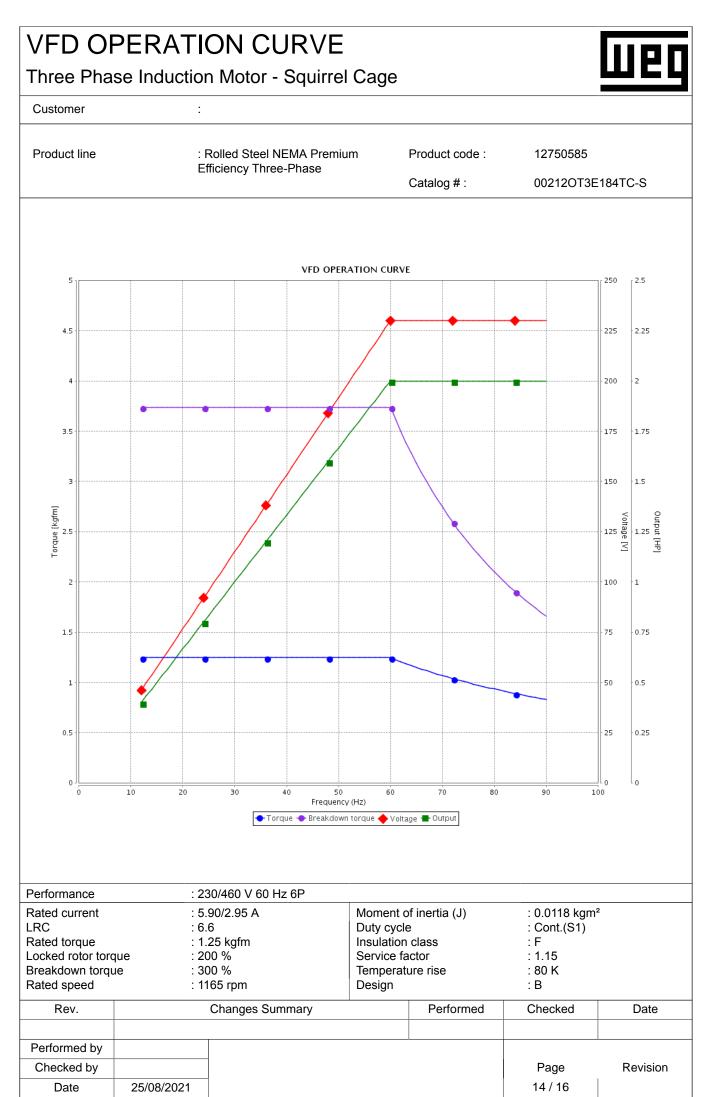
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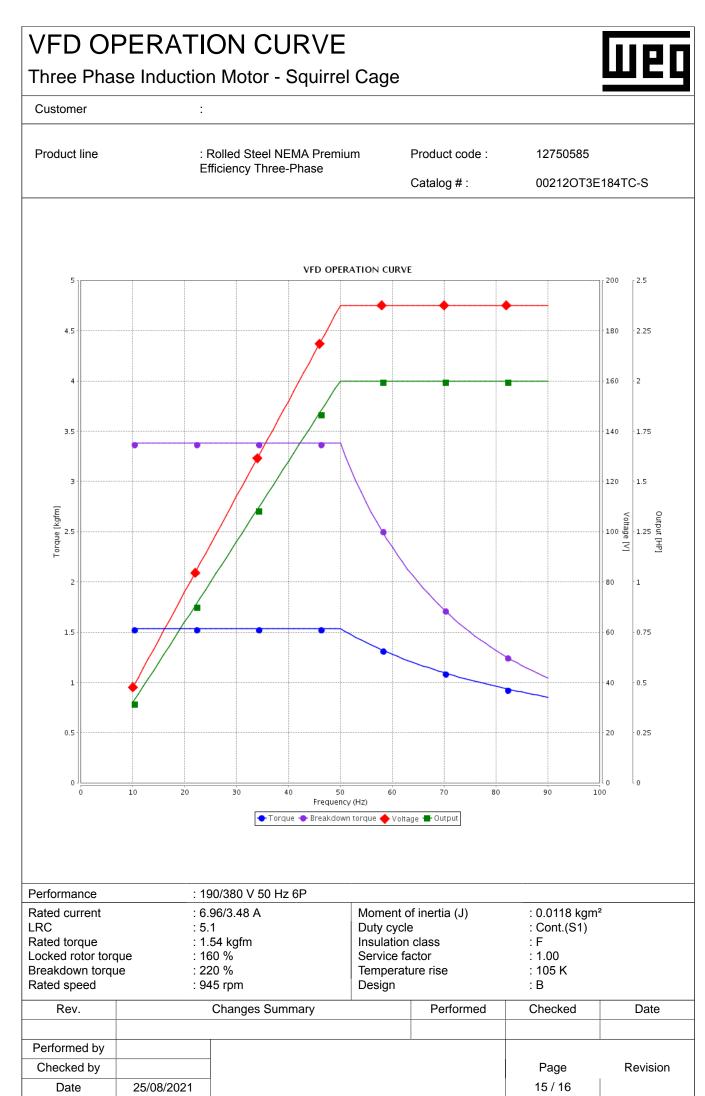
Product line		Rolled Steel NEMA Premiur fficiency Three-Phase	n	Product code :	12750585	
				Catalog # :	00212OT3E1	84TC-S
Performance	: 22	20/415 V 50 Hz 6P				
Rated current LRC	: 5.		Duty cycle		: 0.0118 kgm² : Cont.(S1)	
Rated torque Locked rotor toro		53 kgfm 90 %	Insulation Service fa		: F : 1.00	
Breakdown torqu Rated speed		50 % 50 rpm	Temperatu Design	ure rise	: 80 K : B	
Heating constant		•				
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	25/08/2021				12 / 16	

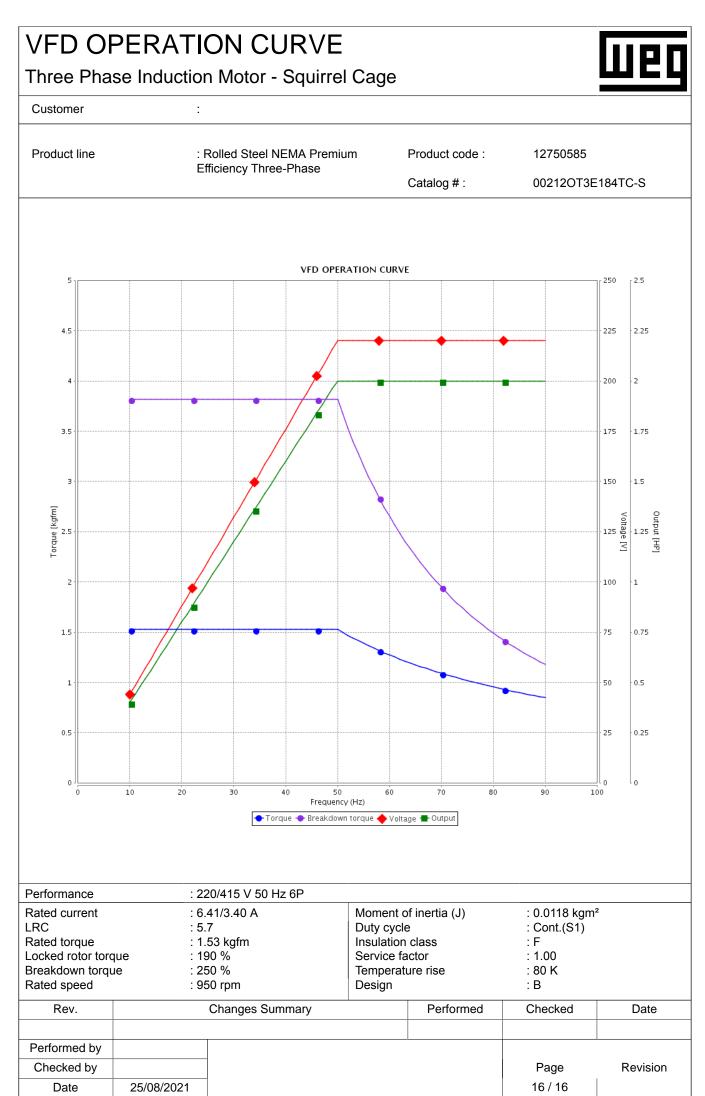
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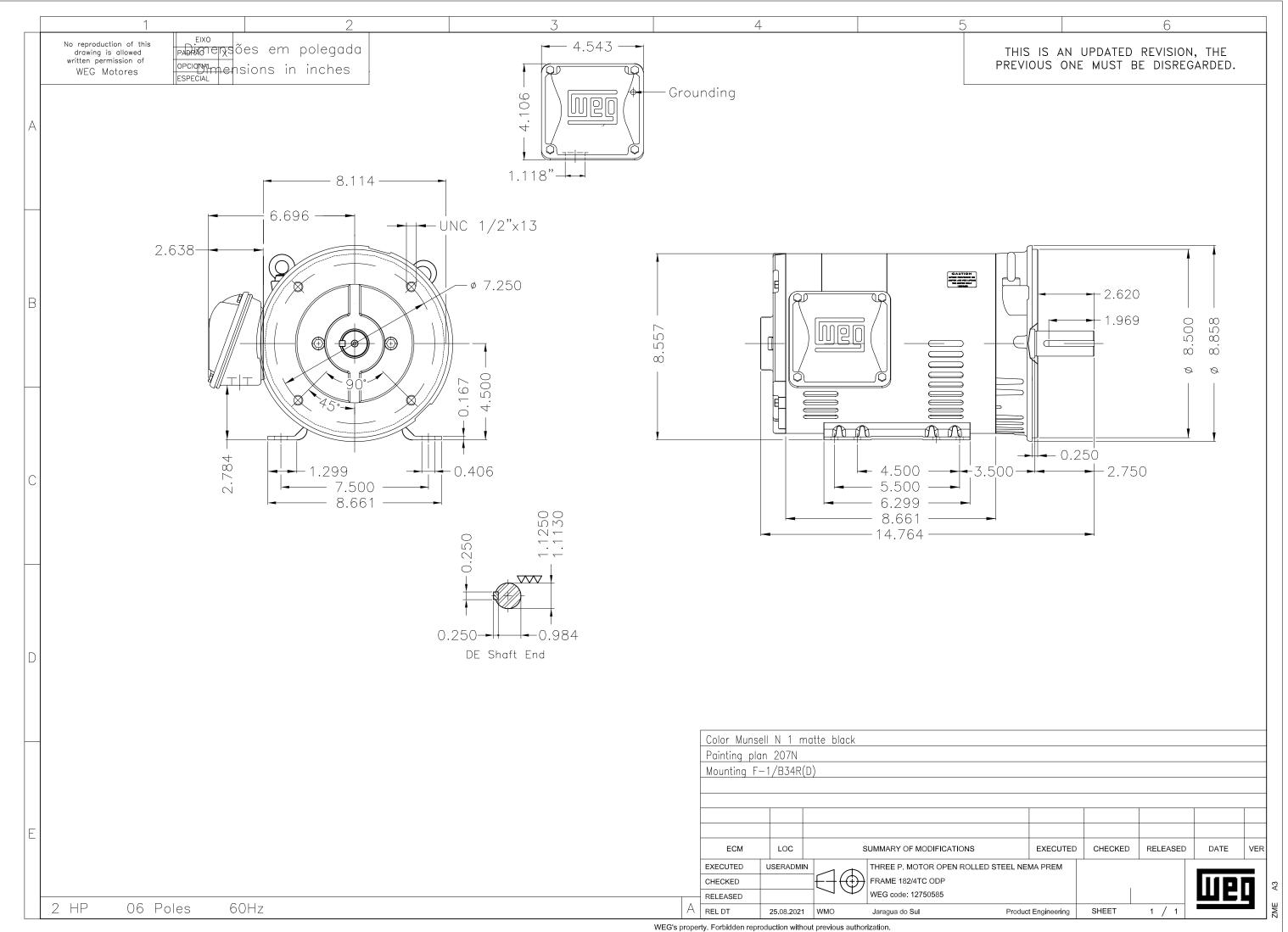
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MADE IN MÉXICO MAT: 12750585 CC029A C C	
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09ABK2021 S/N: PH 3 Hz 60 HP 2.0	
Y CONT.	
ENCL ODP CODE J PF 0.73	
• 4 5	
2.0HP 50Hz 190-220/380-415	
5	(IE3) IEU 00034-1 00:1 VT. 5:1 CT
DE 6206-ZZ DDE 6205-ZZ MOBIL POLYREX EM	
ш өт4 өт5 ө т6 ш өт4 өт5 өт6	
	11-BLU 12-WHI T3-ORG T4-YEL T5-BLK T8-CDV
	2
کمان ای	
INTERCHANGE ANY TWO LINE WRES TO REVERSE THE ROTATION WARNING: WARD remarks by promoted in accordance with local and national electrical codes to prevent sectious electrical shocks. Disconnect power source before servicing unit.	
AVERTISEMENT: Le moteur dolt être mis à la terre conformient aux codes électiques locaux et indontaux afin d'Aviter tout cos électique entre. Décomine cer l'alimentation avant l'entreden de la machite.	re de Contraction tout la machine.