# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

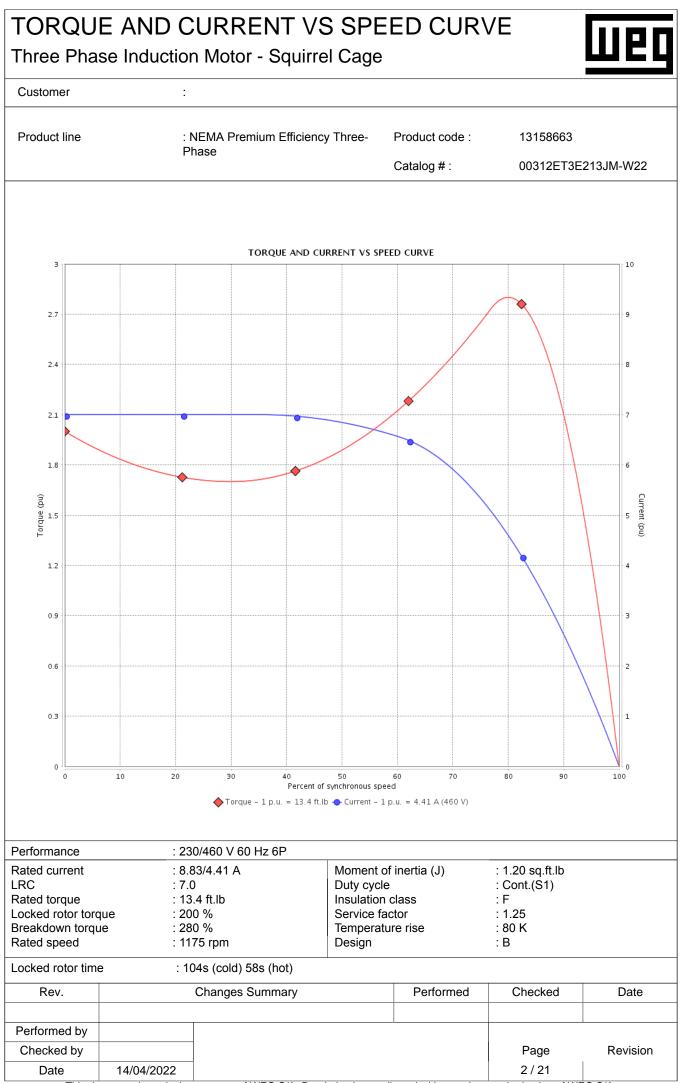
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#### Customer

Product line		: NEMA Premium Effic	ciency T	hree- Prod	luct code :	131586	663
		Phase		Cata	alog # :	003128	ET3E213JM-W22
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 213JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 153 lb : 1.20 sq.ft.lb	
Output [HP]		3			3	3	3
Poles		6		<u>3</u> 6	6		6
Frequency [Hz]		60		50	5		50
Rated voltage [V]		230/460		380	40		415
Rated current [A]		8.83/4.41		5.09	4.9		4.87
L. R. Amperes [A]		61.8/30.9	1	29.5	31		33.1
LRC [A]		7.0x(Code K)	5.8	Bx(Code H)	6.4x(C		6.8x(Code J)
No load current [A	1	5.50/2.75	0.0	2.72	2.9		3.05
Rated speed [RPN		1175		965	97		970
Slip [%]	1	2.08		3.50	3.0		3.00
Rated torque [ft.lb]		13.4		16.3	16		16.2
Locked rotor torque [%]		200		170	20		220
Breakdown torque [%]		280	210		24		270
Service factor		1.25	1.00		1.0		1.00
Temperature rise		80 K	80 K		80		80 K
Locked rotor time		104s (cold) 58s (hot)	72s (cold) 40s (hot		72s (cold)		72s (cold) 40s (hot)
Noise level <sup>2</sup>		55.0 dB(A)	53.0 dB(A)		53.0 0		53.0 dB(A)
	25%	85.4	5	88.0	86		86.1
	50%	86.5		87.5	86		86.5
Efficiency (%)	75%	88.5		88.5			88.5
	100%	88.5	88.5		88		88.5
	25%	0.28		0.33	0.3		0.28
	25% 50%	0.28		0.33			0.28
Power Factor	50% 75%	0.63		0.57	0.8		0.50
	100%	0.63		0.70	0.0		0.64
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type	val	Drive end Non dr   : 6309 Z C3 620   : V'Ring V'   : 20000 h 400	ve end 09 Z C3Non drive end 6207 ZZFoundation loads Max. traction/'RingV'Ring 40000 hMax. compression13 g0 g		: 170 lb : 324 lb		
Notes USABLE @208V	′ 9.76A SF 1.	15 SFA 11.2A		<u> </u>			
must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with t weight subjec ocess.	ncel the previous one, wh e shaft end. olerance of +3dB(A). tt to changes after	nich				sts with sinusoidal stipulated in NEMA
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro-	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. olerance of +3dB(A).		power supply MG-1.			stipulated in NEMA
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). It to changes after		power supply MG-1.	v, subject to th	e tolerances	stipulated in NEMA
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 t weight subjec ocess.	e shaft end. olerance of +3dB(A). It to changes after		power supply MG-1.	v, subject to th	e tolerances Checked	stipulated in NEMA
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). It to changes after Changes Summary		power supply MG-1.	v, subject to th	e tolerances	stipulated in NEMA

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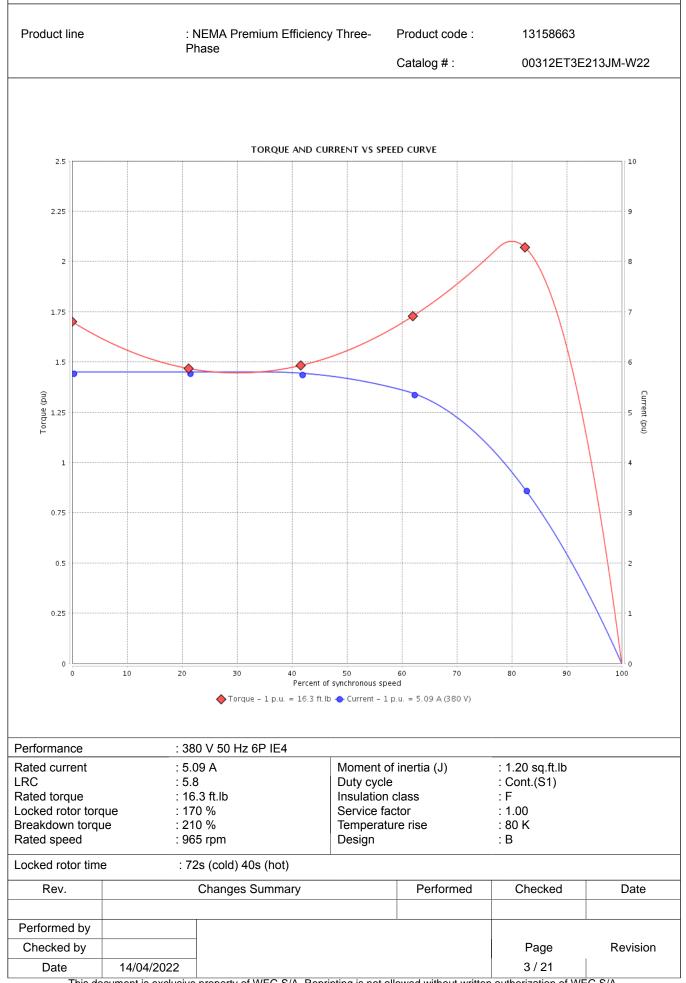
#### TORQUE AND CURRENT VS SPEED CURVE

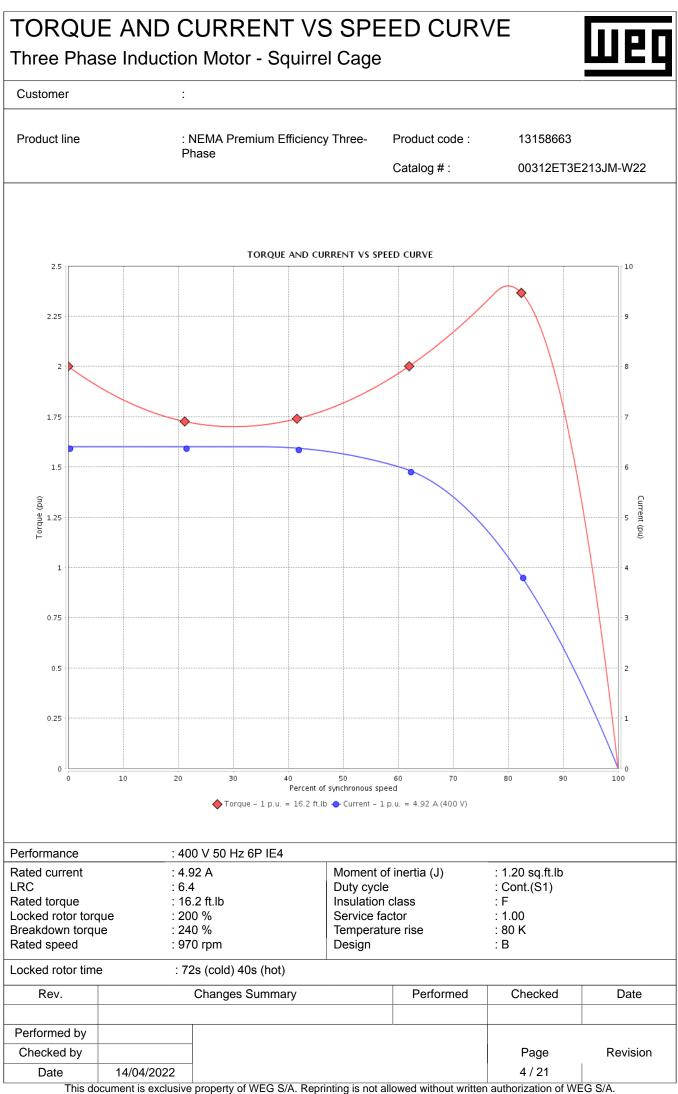
Three Phase Induction Motor - Squirrel Cage

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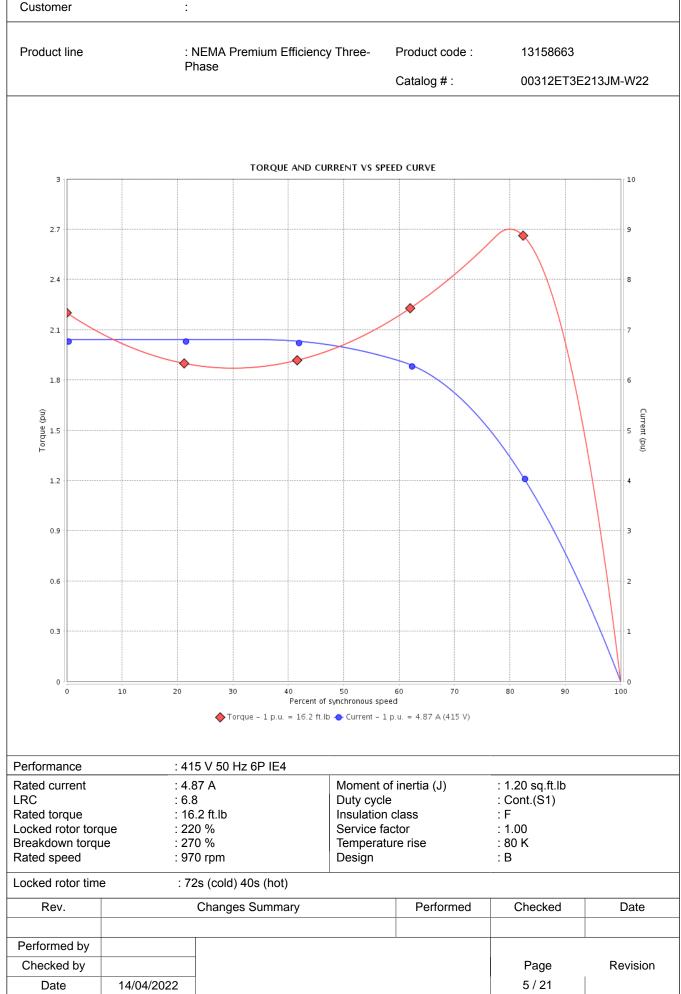




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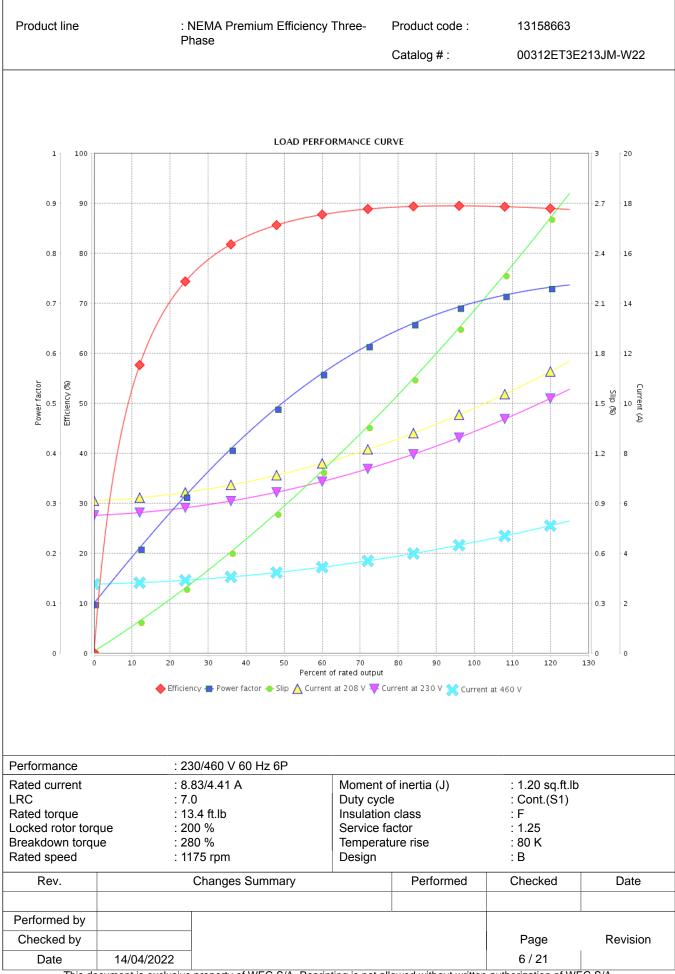
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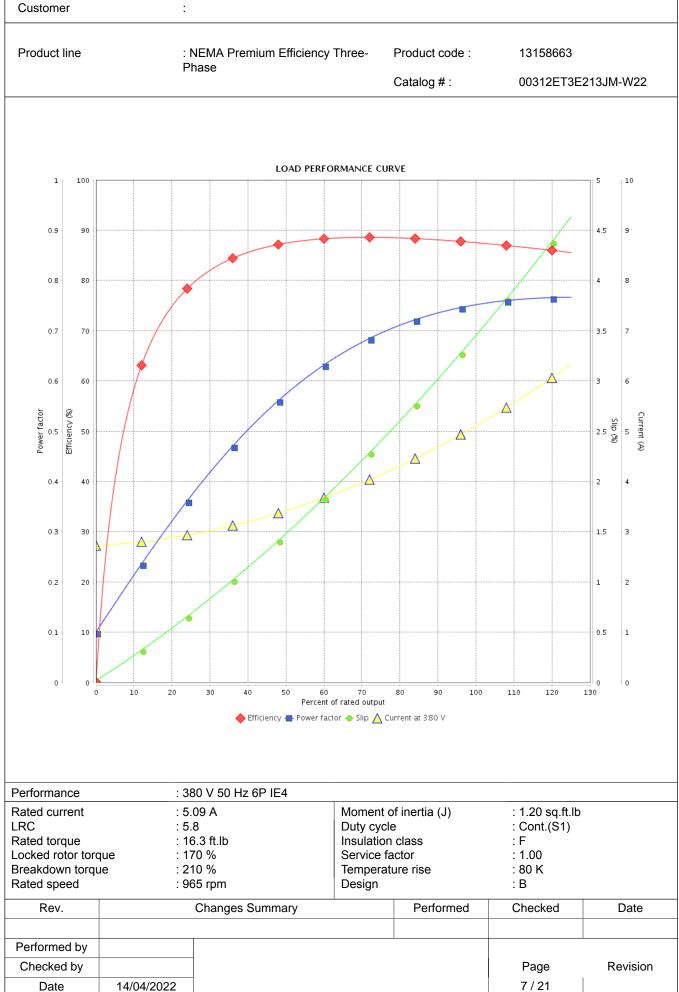


Customer



Three Phase Induction Motor - Squirrel Cage

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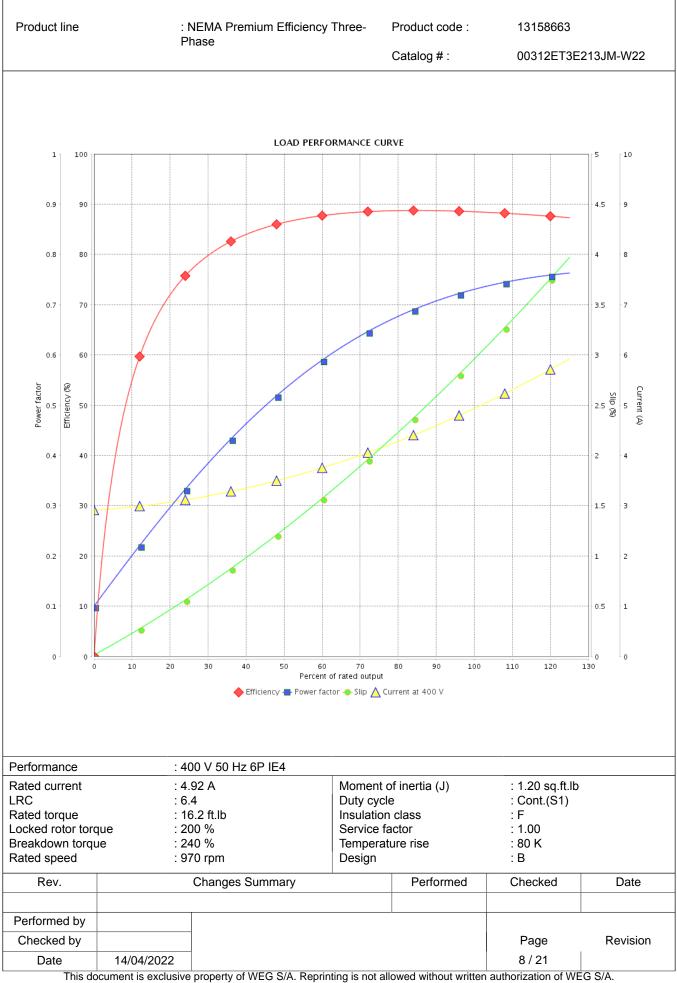
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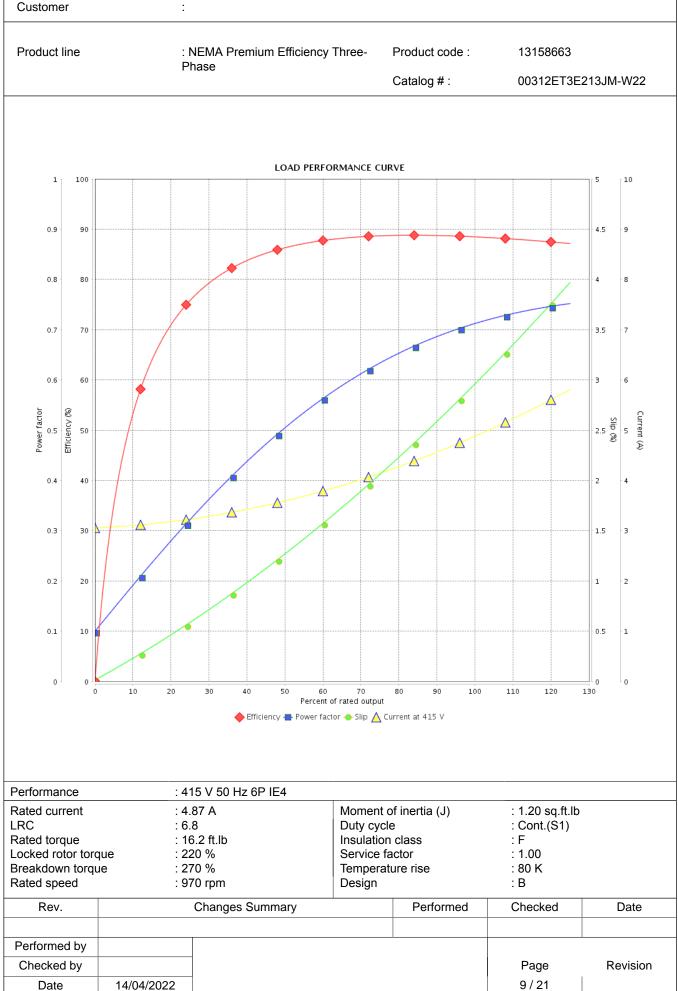


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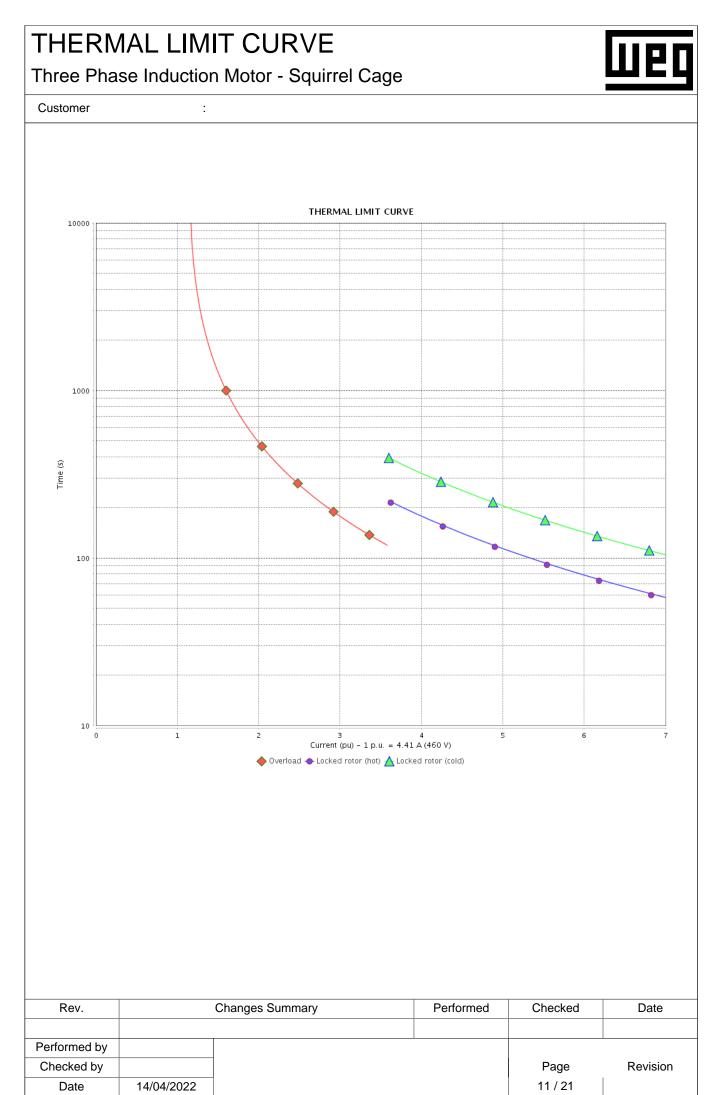
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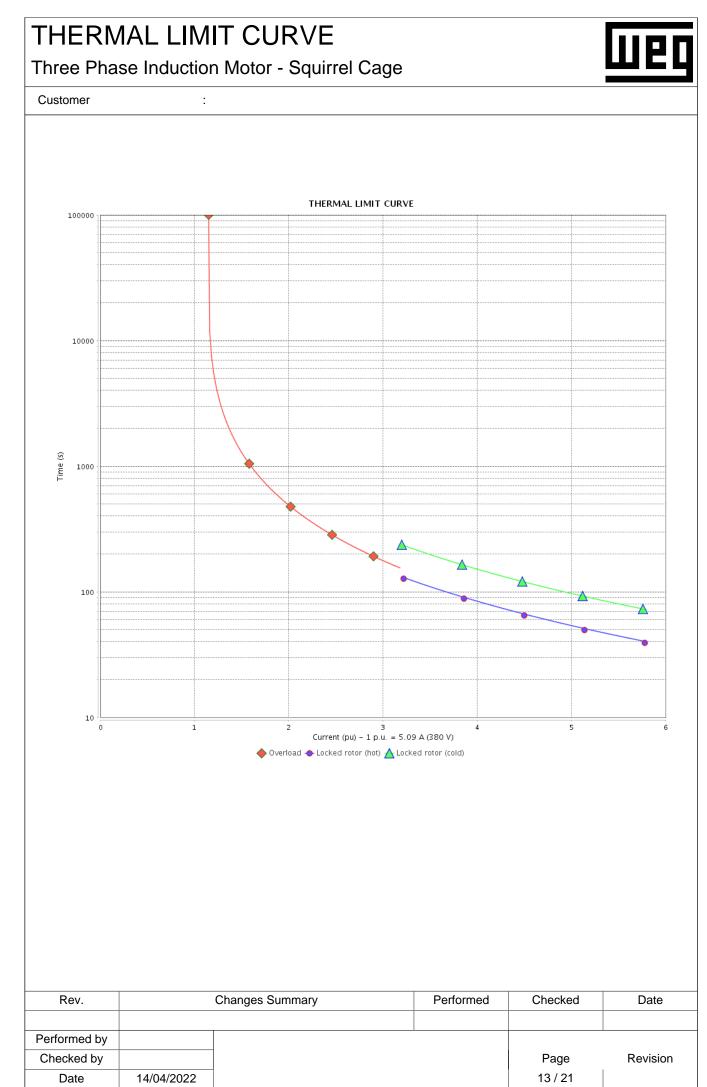
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Three Phase Induc	ction Motor - Squirrel Cage	)	шсч
Customer	:		
Product line	: NEMA Premium Efficiency Three-	Product code :	13158663
	Phase	Catalog # :	00312ET3E213JM-W22

Performance	:	230/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	: ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	8.83/4.41 A 7.0 13.4 ft.lb 200 % 280 % 1175 rpm	Moment Duty cycl Insulatior Service fa Tempera Design	n class actor	: 1.20 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				10/21	
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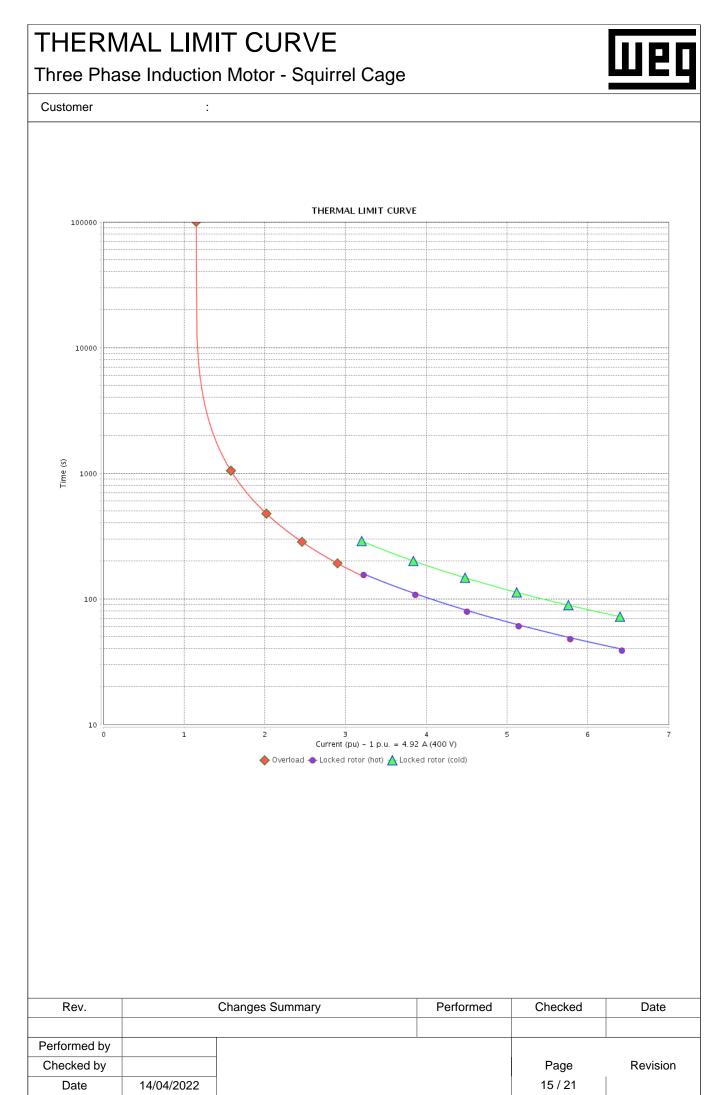
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Three Phase Induc	tion Motor - Squirrel Cage	)	шсч
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	13158663
	1 Habb	Catalog # :	00312ET3E213JM-W22

Performance		: 380 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed		: 5.09 A : 5.8 : 16.3 ft.lb : 170 % : 210 % : 965 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ictor	: 1.20 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Rev.		Changes Summary	L	Performed	Checked	Date
Performed by Checked by Date	14/04/2022	2			Page 12 / 21	Revision
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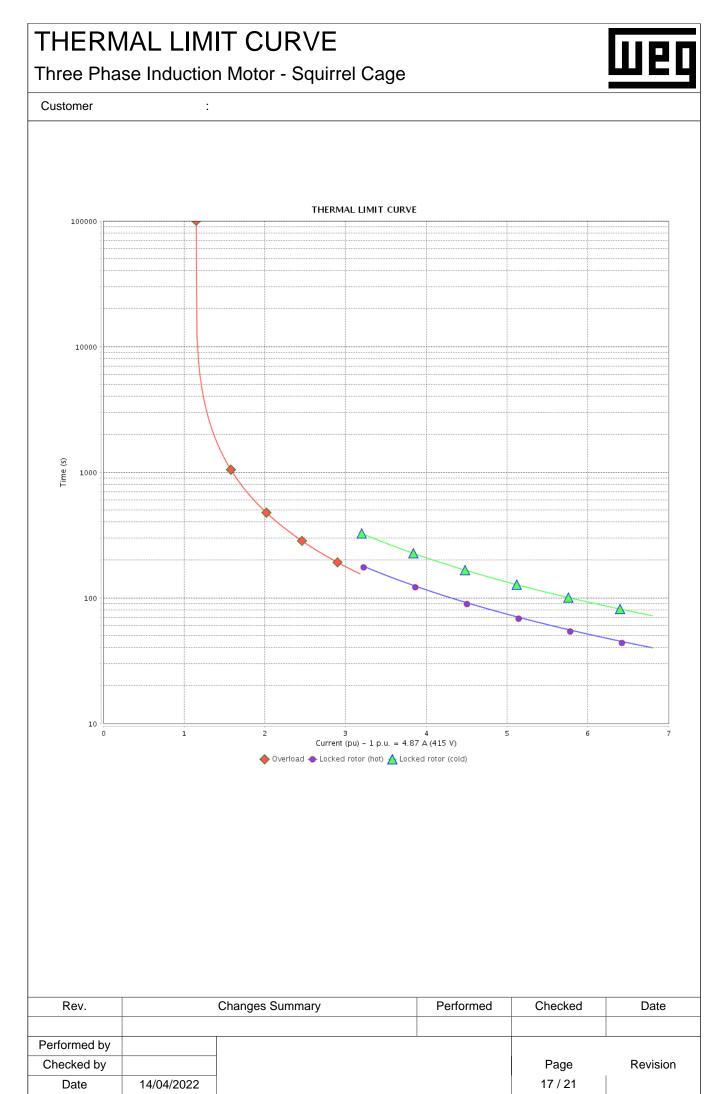
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Three Phase Indu	ction Motor - Squirrel Cage	)	шсч
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Product line	: NEMA Premium Efficiency Three- Phase	Product code :	13158663
	Phase	Catalog # :	00312ET3E213JM-W22

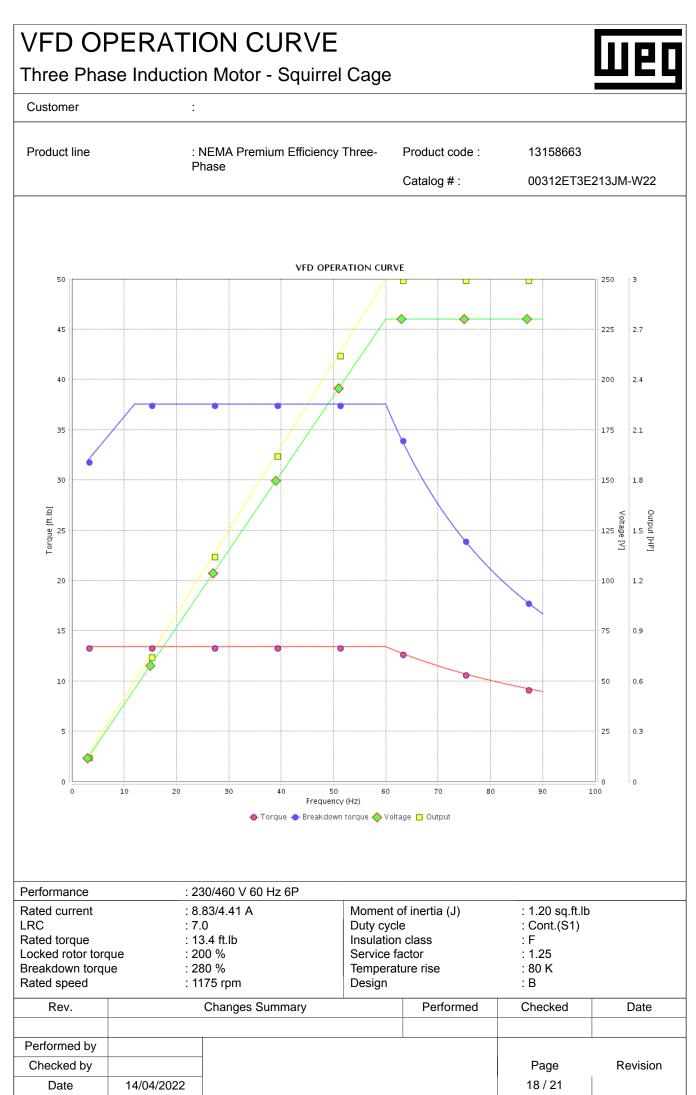
Performance	: 4	00 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 1 jue : 2 ie : 2	.92 A .4 6.2 ft.lb 00 % 40 % 70 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ictor	: 1.20 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	t					
Cooling constant						
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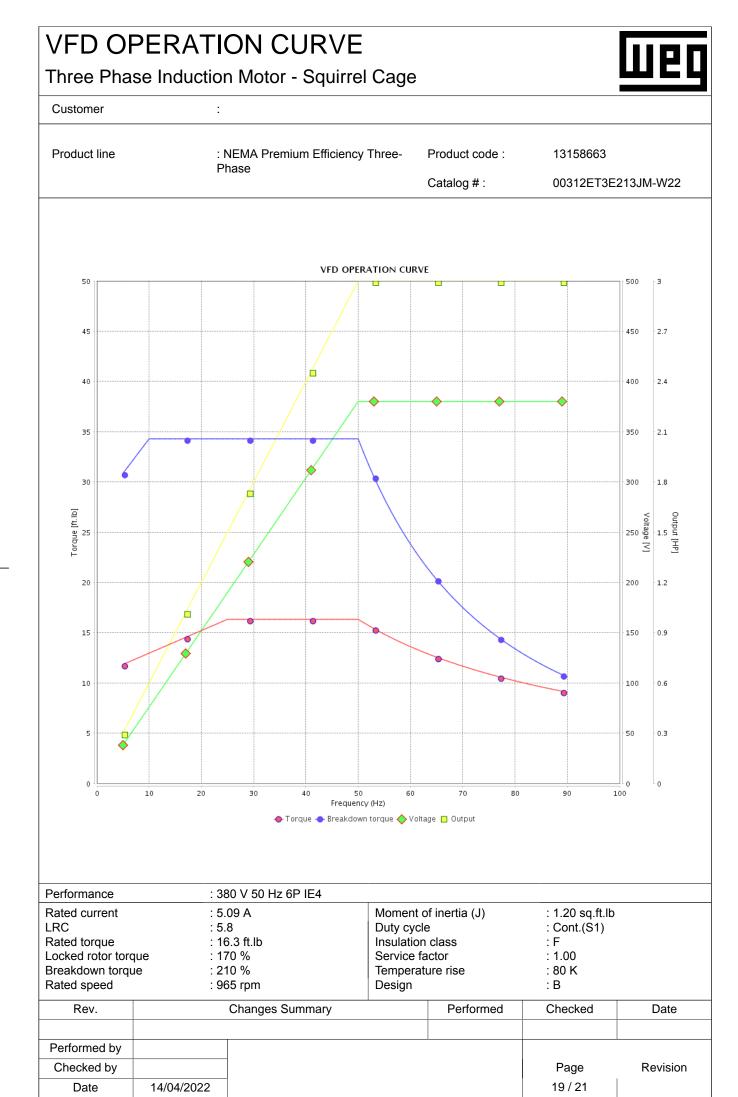
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Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	13158663
	Fliase	Catalog # :	00312ET3E213JM-W22

Performance	: 4	15 V 50 Hz 6P IE4				
Rated current LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	: 6. : 10 iue : 22	87 A .8 6.2 ft.lb 20 % 70 % 70 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 1.20 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	t					
Cooling constant	:					
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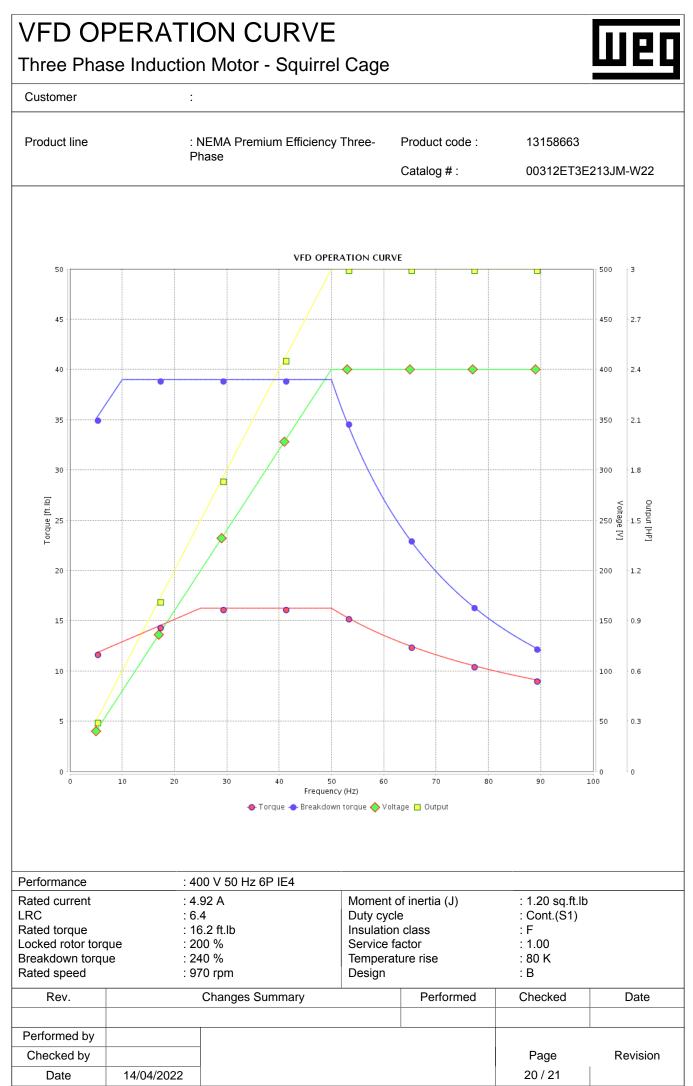




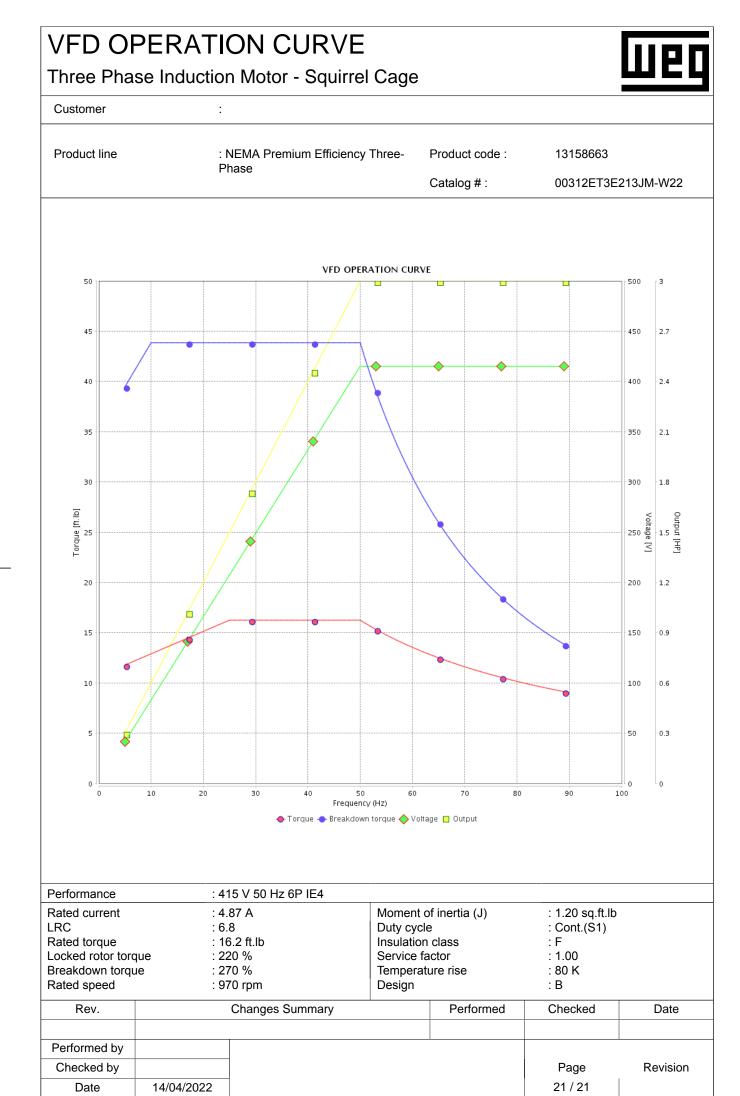
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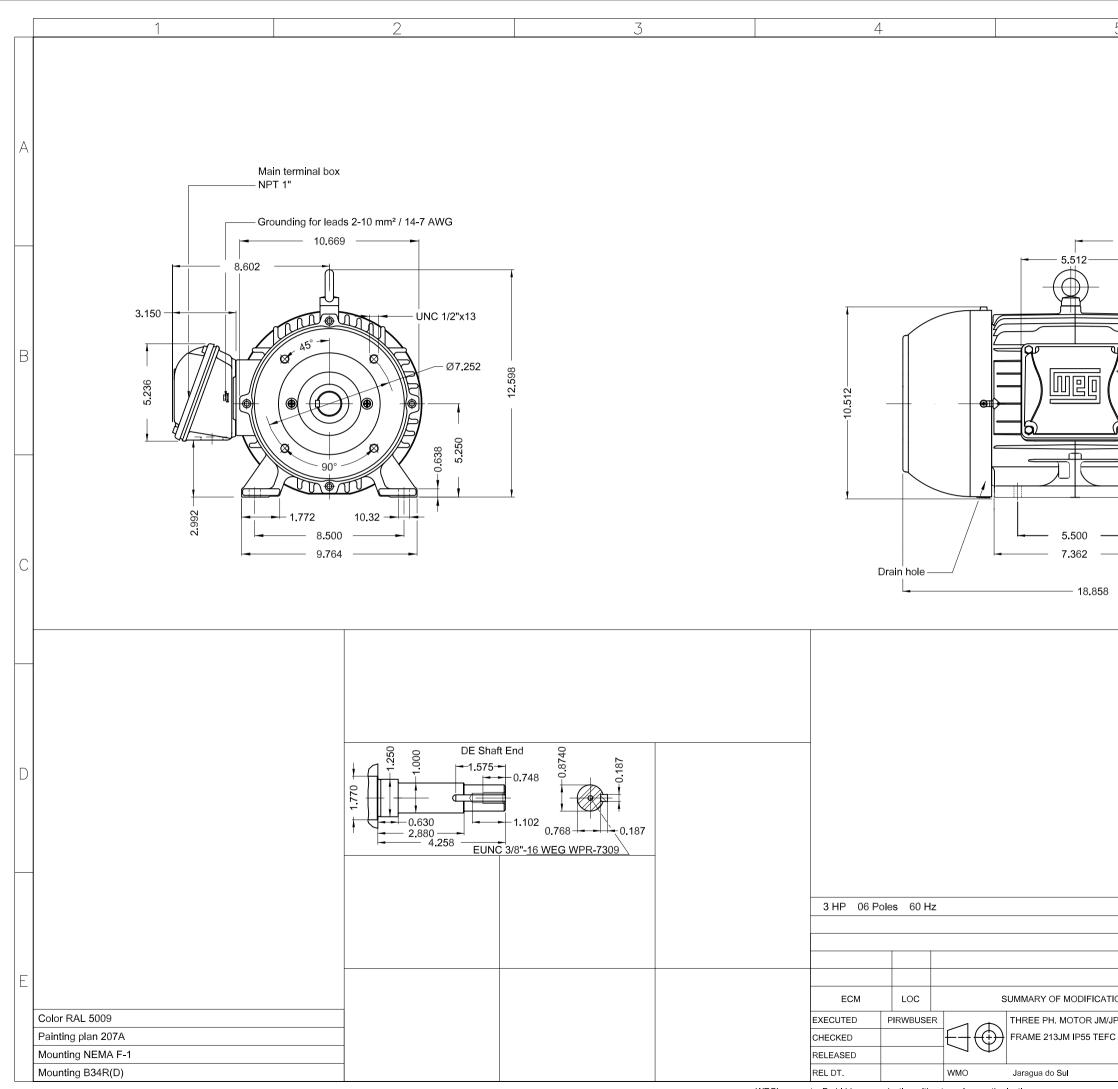
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