## DATA SHEET

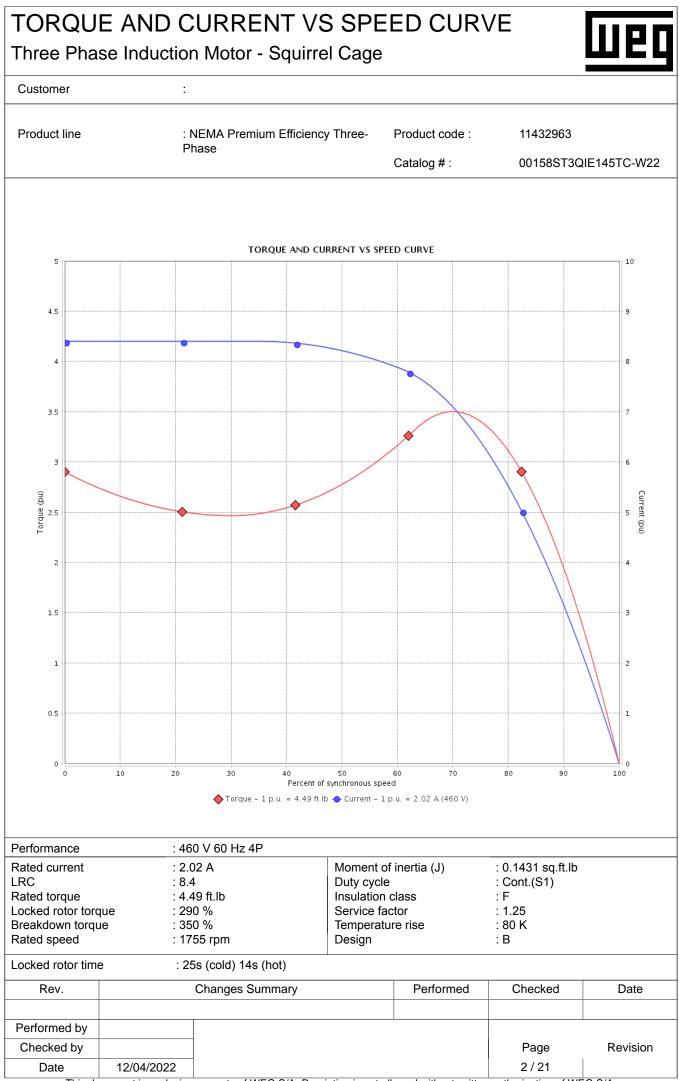
Three Phase Induction Motor - Squirrel Cage

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#### Customer

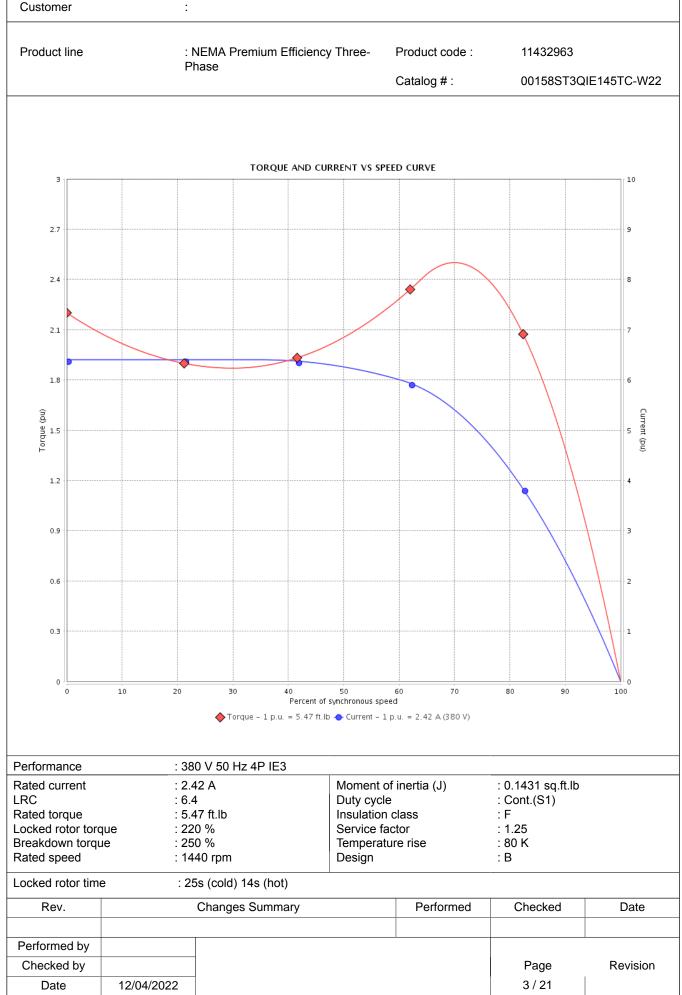
Product line		: NEMA Premium Effi Phase	ciency T	hree- P	roduct code :	11432963	
		1 11035		C	atalog # :	001585	T3QIE145TC-W22
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 143/5TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: F-1 : Both ( : Direct : 59.1 II	- TEFC CW and CCW) On Line o 1 sq.ft.lb
Output [HP]		1.5	1	1.5	1	.5	1.5
Poles		1.5		4		.5 4	4
Frequency [Hz]		60		50		+ 50	50
Rated voltage [V]		460		380		00	415
Rated current [A]		2.02		2.42		33	2.30
		17.0		15.5			2.30
. R. Amperes [A]			<b>^</b>			6.3	
_RC [A]	•	8.4x(Code L)	6.4	4x(Code H)		Code J)	7.4x(Code K)
No load current [A]		1.10		1.10		20	1.30
Rated speed [RPM]		1755		1440		45	1450
Slip [%]		2.50		4.00		67	3.33
Rated torque [ft.lb]		4.49		5.47		45	5.43
Locked rotor torque [%]		290		220		50	280
Breakdown torque	[%]	350		250			320
Service factor		1.25		1.25		25	1.25
Temperature rise		80 K			80 K 80		80 K
ocked rotor time		25s (cold) 14s (hot)			old) 14s (hot) 25s (cold)		25s (cold) 14s (hot)
Noise level <sup>2</sup>		51.0 dB(A)	49.0 dB(A)		49.0	dB(A)	49.0 dB(A)
	25%						
Efficiency (%)	50%	82.5	82.5		82	2.5	81.0
	75%	85.5		84.0	84	1.0	84.0
	100%	86.5		84.1	84	4.1	84.1
	25%						
Power Factor	50%	0.60	0.67			63	0.60
	75%	0.70		0.76		74	0.70
	100%	0.79		0.82	0.8	81	0.79
Bearing type Sealing Lubrication interv Lubricant amoun		: 6205 C3 62 : Inpro/Seal Inpr : 20000 h 20 : 4 g	000 h 4 g	Max. traction: 122 lbIlMax. compression: 181 lb			
Lubricant type		: Mobil Polyrex E					
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	d. otor from the m and with t veight subjec	ncel the previous one, with the previous one, with the previous one, with the previous one, with the previous of +3dB(A). Set to changes after	hich		•		ts with sinusoidal stipulated in NEMA
manufacturing pro (4) At 100% of ful						1	
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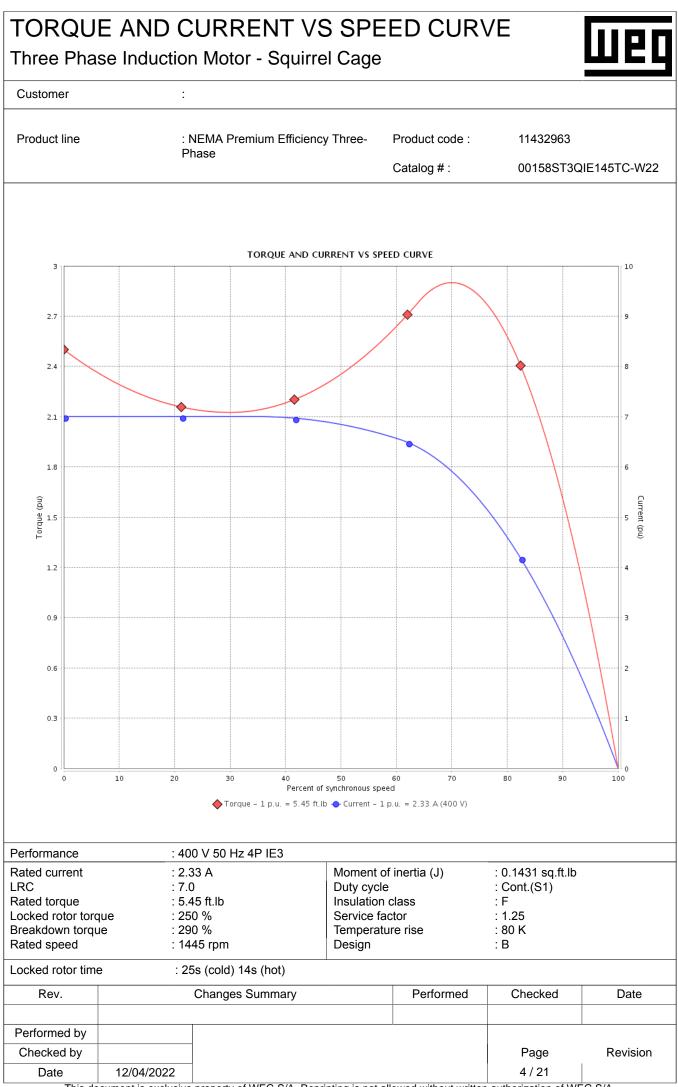
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





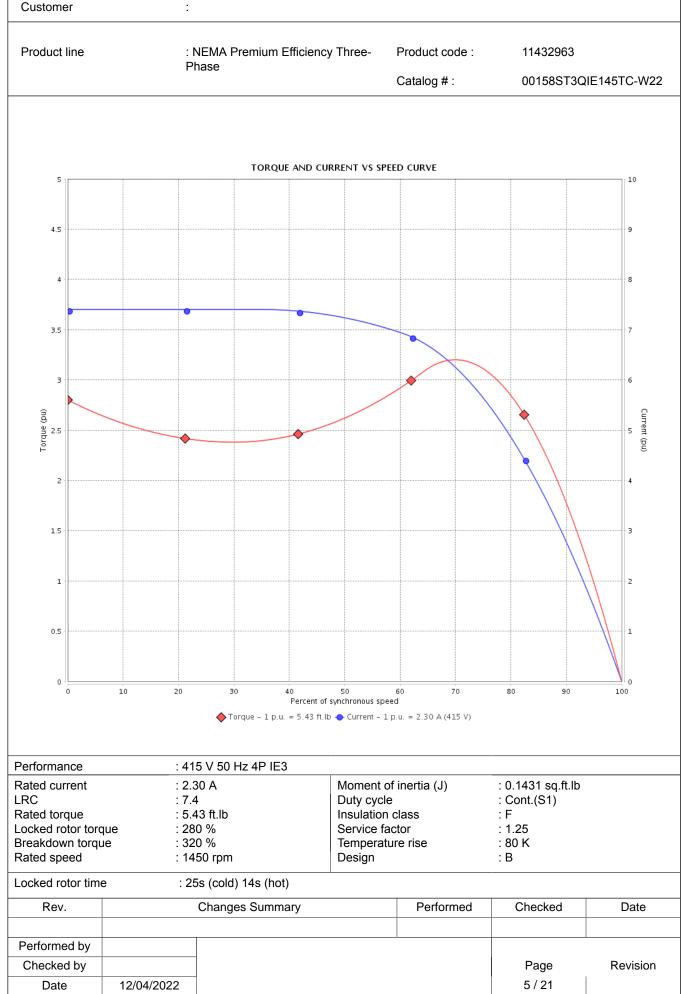
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### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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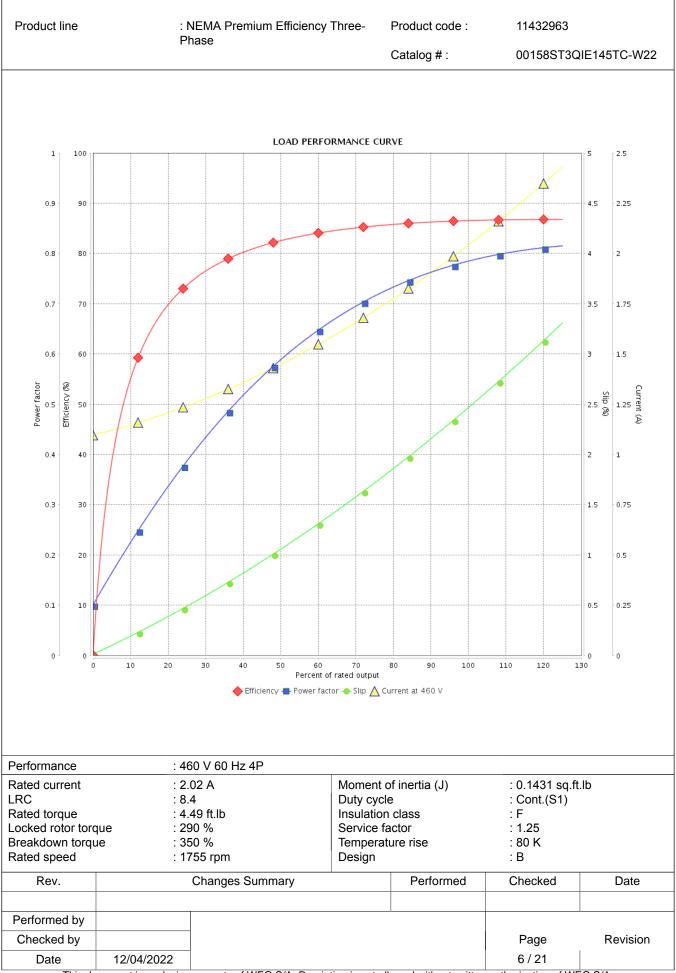
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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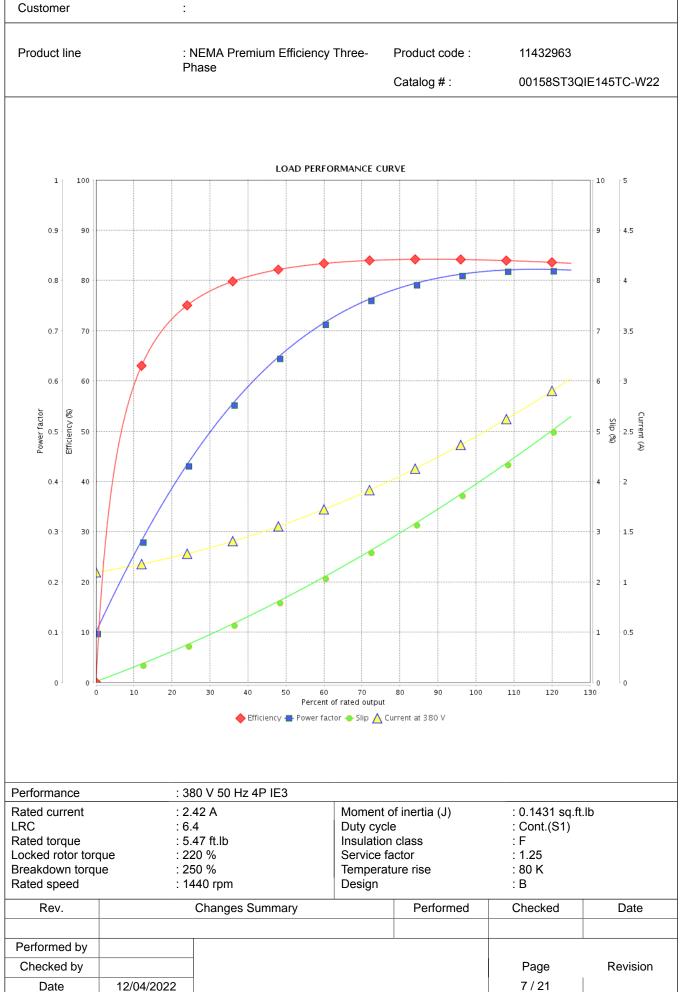
Customer



## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer

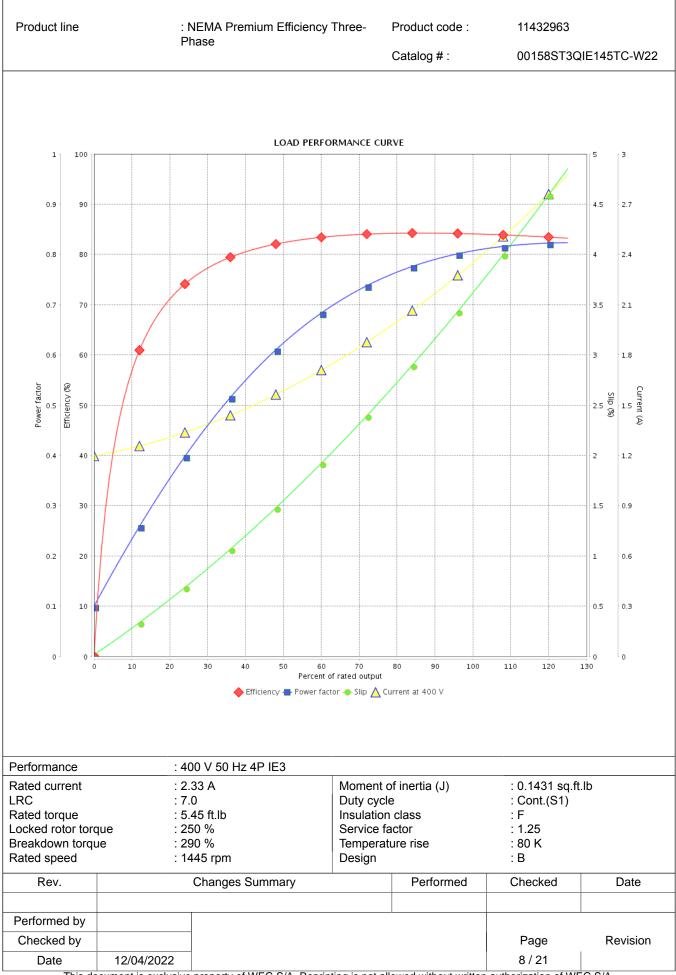


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#### LOAD PERFORMANCE CURVE Three Phase Induction Motor - Squirrel Cage :



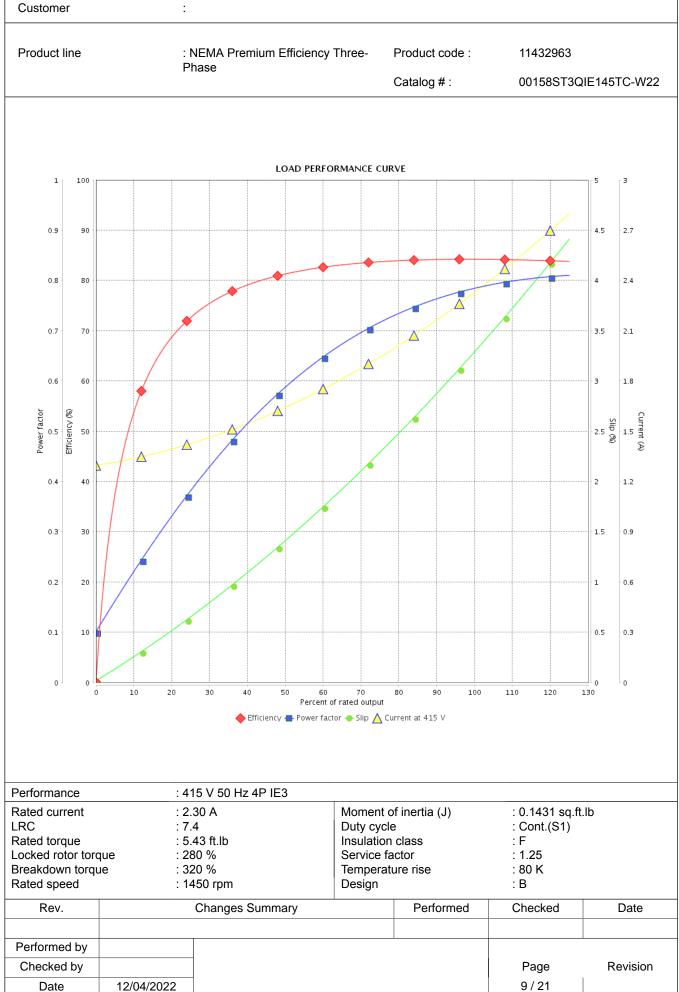
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

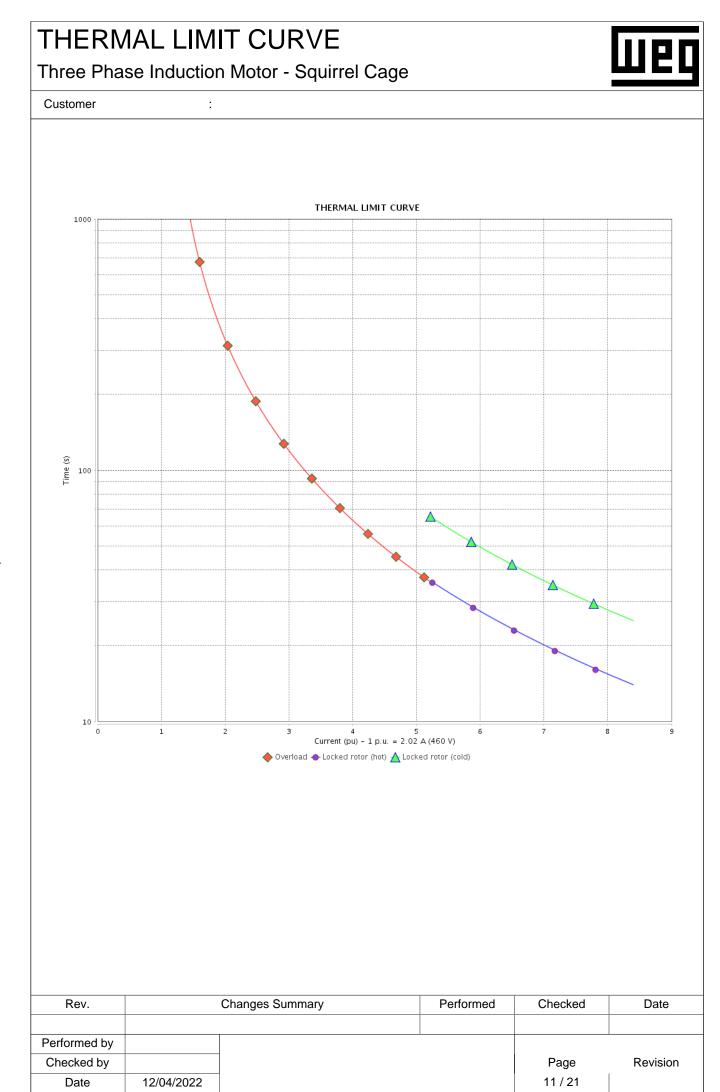
#### Customer



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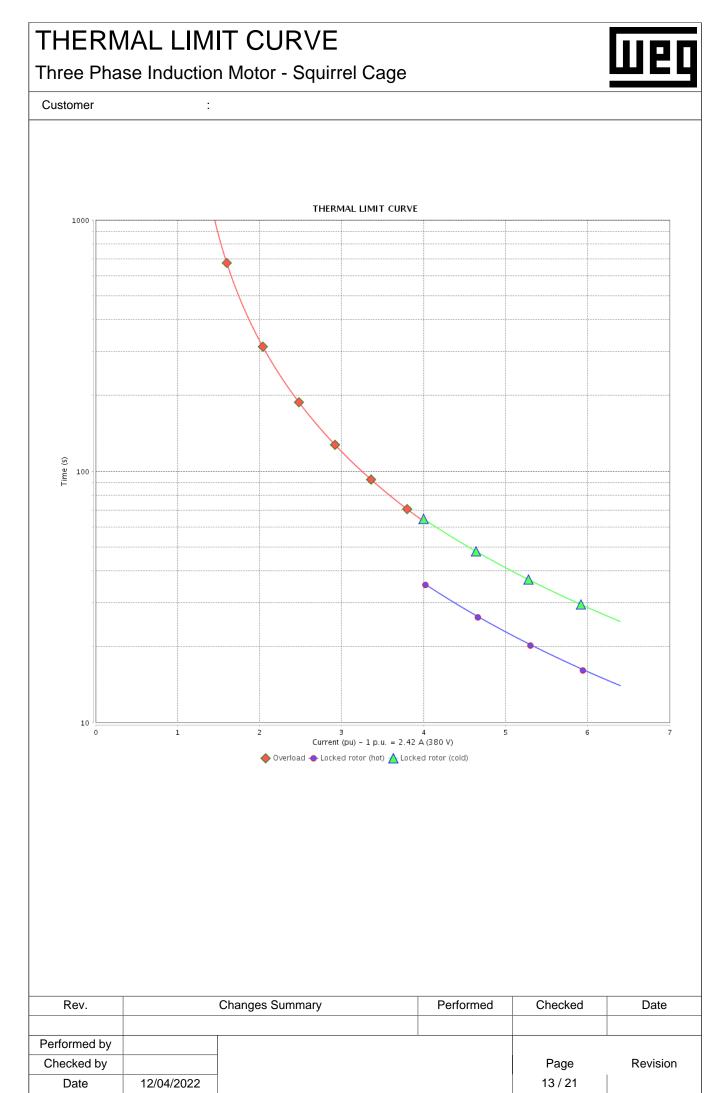
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	11432963
		Catalog # :	00158ST3QIE145TC-W2

Performance		: 460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	and	: 2.02 A : 8.4 : 4.49 ft.lb : 290 % : 350 % : 1755 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	) : 0.1431 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant	t				·	
Cooling constant	t					
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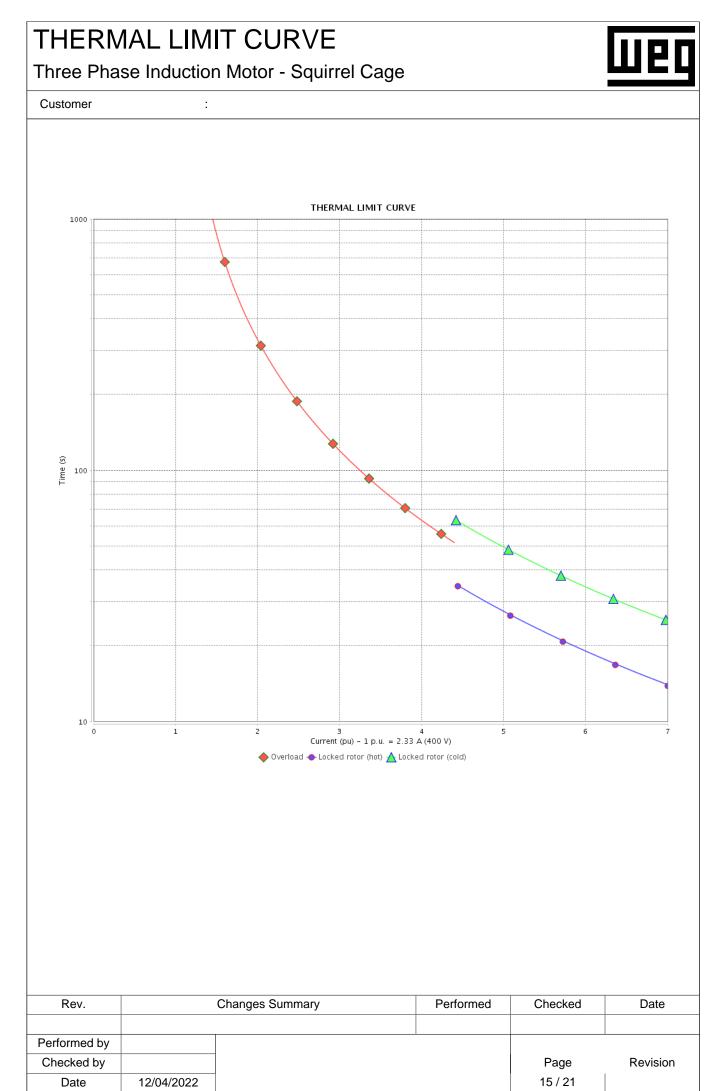
	LIMIT CURVE	age	Шер
Customer	:		
Product line	: NEMA Premium Efficiency Thre Phase	e- Product code : Catalog # :	11432963 00158ST3QIE145TC-W22
Performance	: 380 V 50 Hz 4P IE3		
Rated current LRC Rated torque	: 2.42 A Mo : 6.4 Du	ment of inertia (J) ty cycle ulation class	: 0.1431 sq.ft.lb : Cont.(S1) : F

LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	que : 2 Je : 2	24 5.47 ft.lb 120 % 150 % 440 rpm	Duty cycle Insulation Service fa Temperate Design	class ctor	: Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant	t				·	
Cooling constant	t					
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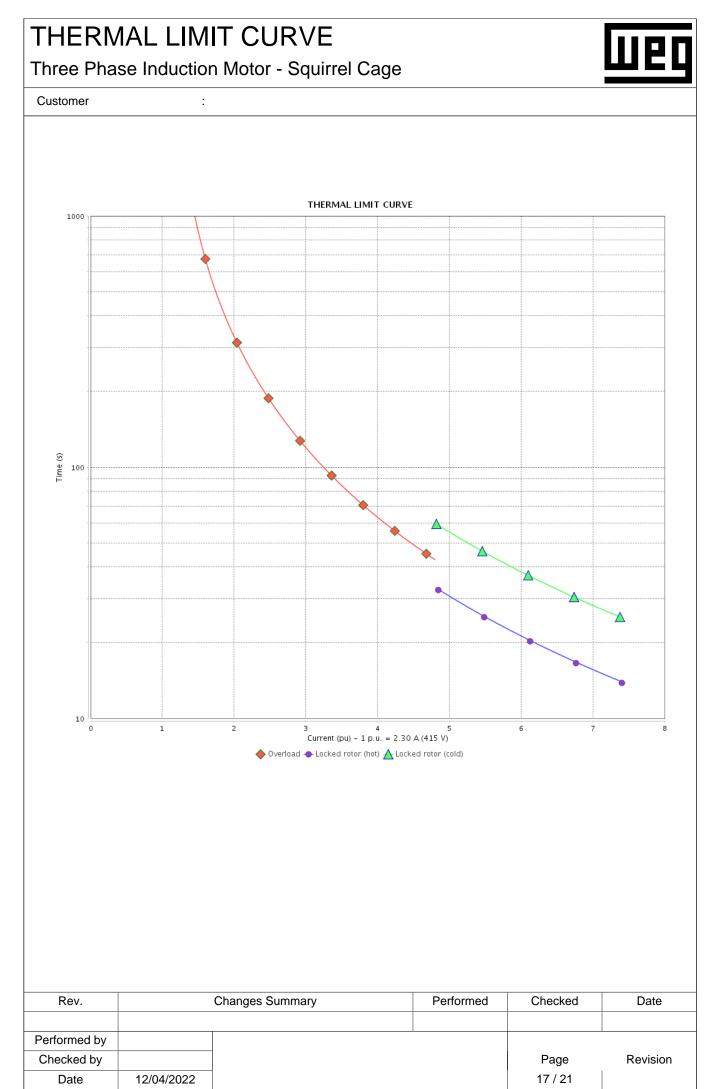
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Three Phase In	duction Motor - Squirrel Cage	;	inter in the international statement in the second statement in the second statement is a second statement in the second statement in the second statement is a second statement in the second statement in the second statement is a second statement in the second statement in the second statement is a second statement in the second statement in the second statement is a second statement in the second stateme
Product line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	11432963 00158ST3QIE145TC-W22

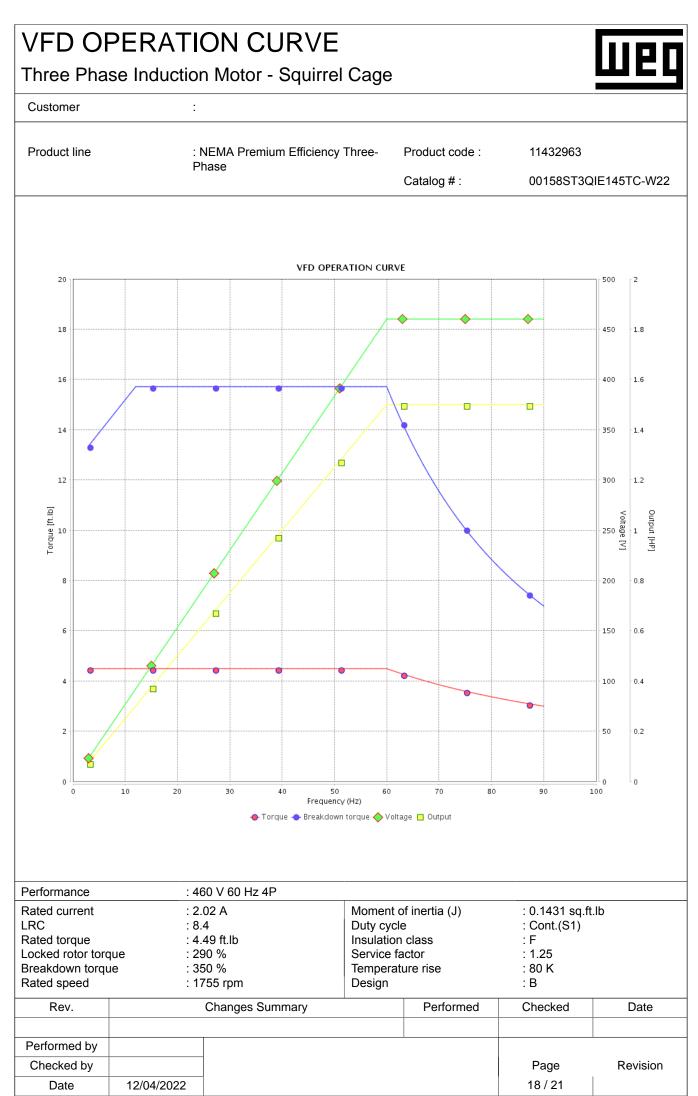
Performance	: 400 V 50 HZ 4P IE3					
LRC: 7.0DutyRated torque: 5.45 ft.lbInsuLocked rotor torque: 250 %ServBreakdown torque: 290 %Term		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1431 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constant	t					
Cooling constant						
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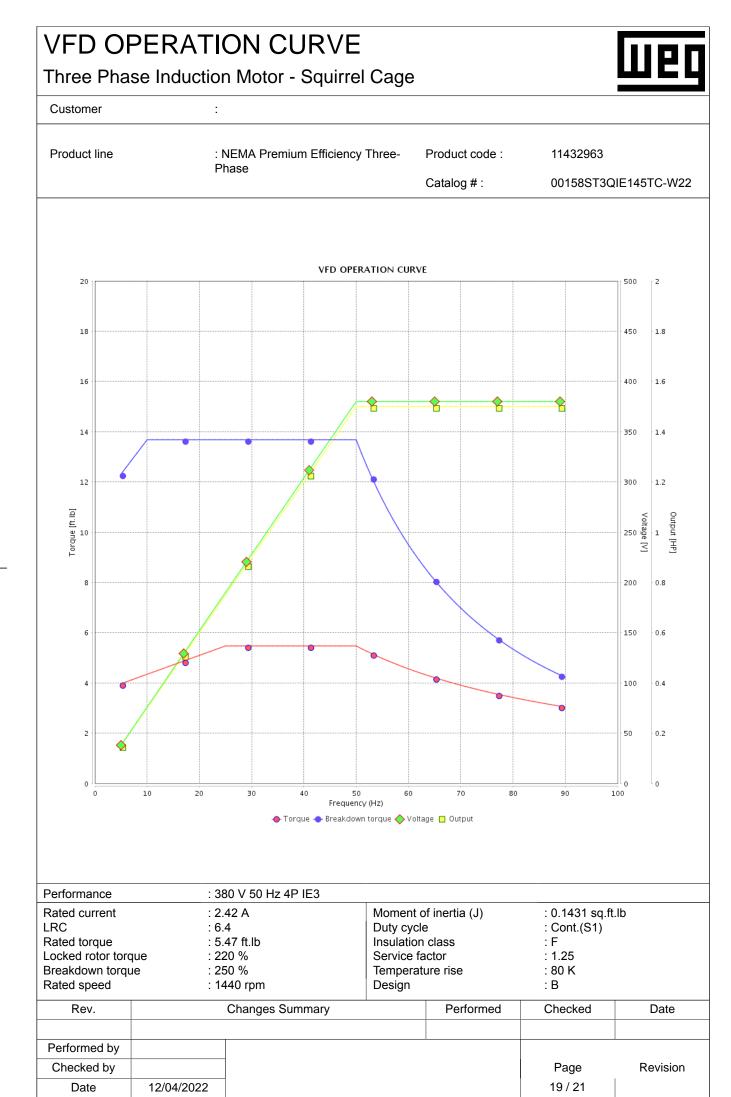


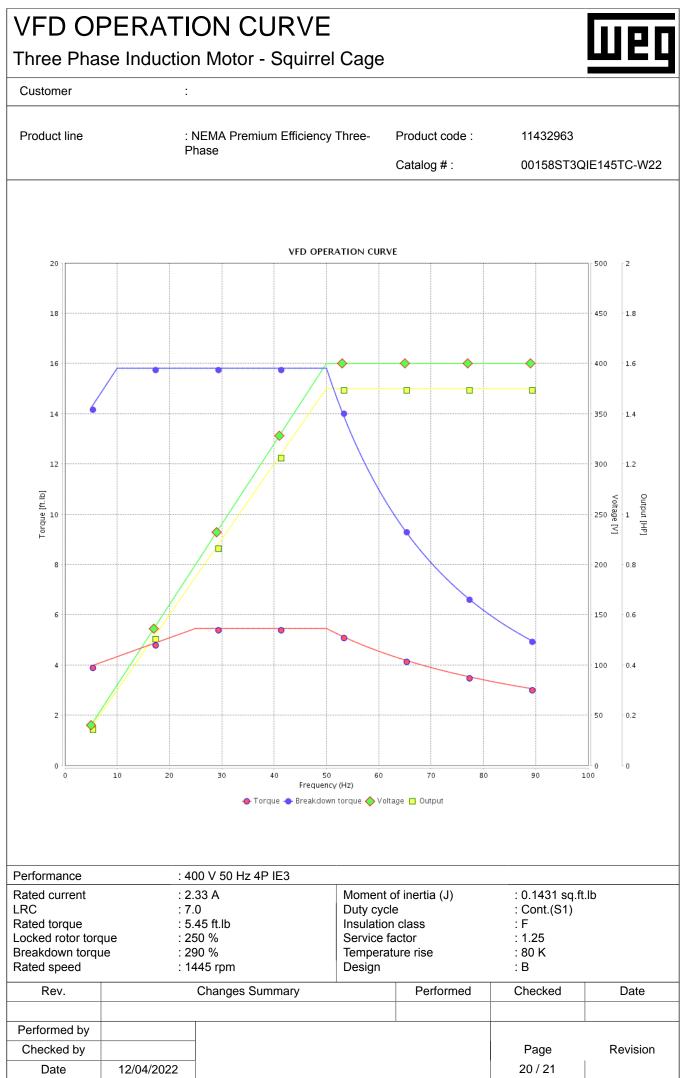
[			
THERMAL	LIMIT CURVE		шео
Three Phase Ind	luction Motor - Squirrel (	Cage	
Customer	:		
Product line	: NEMA Premium Efficiency Tł	nree- Product code :	11432963
	Phase	Catalog # :	00158ST3QIE145TC-W22
Performance	: 415 V 50 Hz 4P IE3		
Rated current	: 2.30 A	Moment of inertia (J)	: 0.1431 sq.ft.lb
LRC Rated torque		Duty cycle Insulation class	: Cont.(S1) : F
Locked rotor torque		Service factor	: 1.25

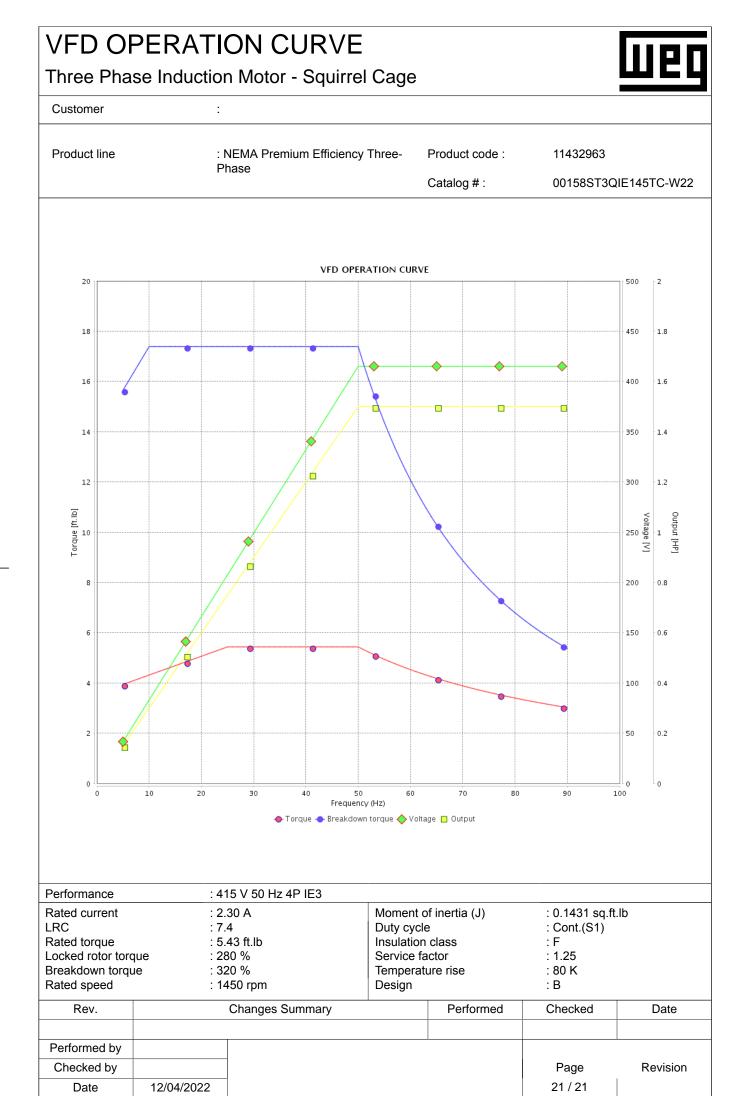
Rated torque Locked rotor toro Breakdown torqu Rated speed	ue :	5.43 ft.lb 280 % 320 % 1450 rpm	Insulation Service fa Temperat Design	actor	: F : 1.25 : 80 K : B	
Heating constant	t					
Cooling constant	t					
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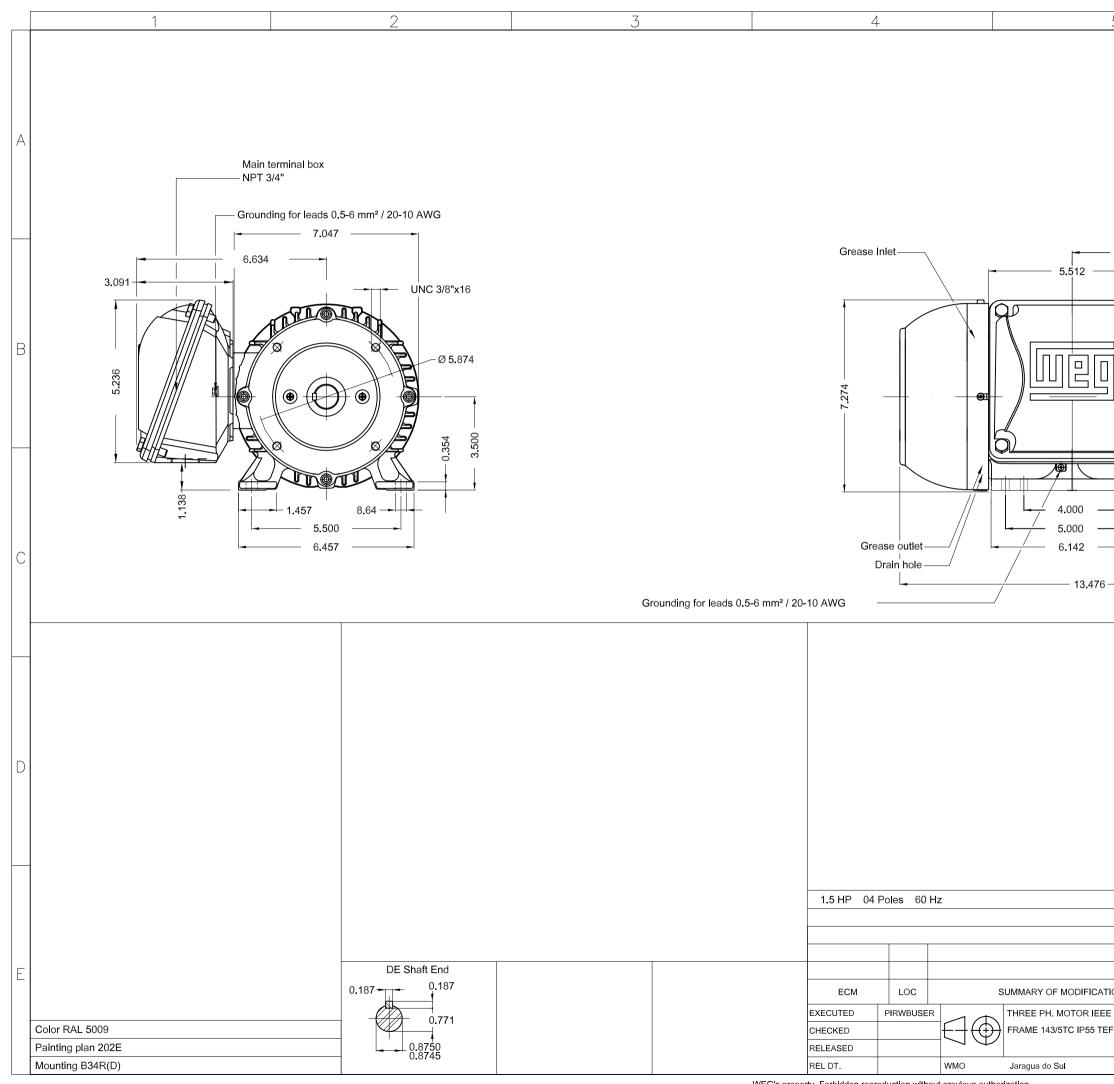












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4.750	Grease	- 1.417	6 			
2.250	0.157	- 2.250 • Grease outlet • Drain hole				Dimensions in inches
					A	Dimension
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FC	•	PREVI	EVV	110		A3
		WDD				
Product	t Engineering	SHEET	1 / 1			XME

