# DATA SHEET

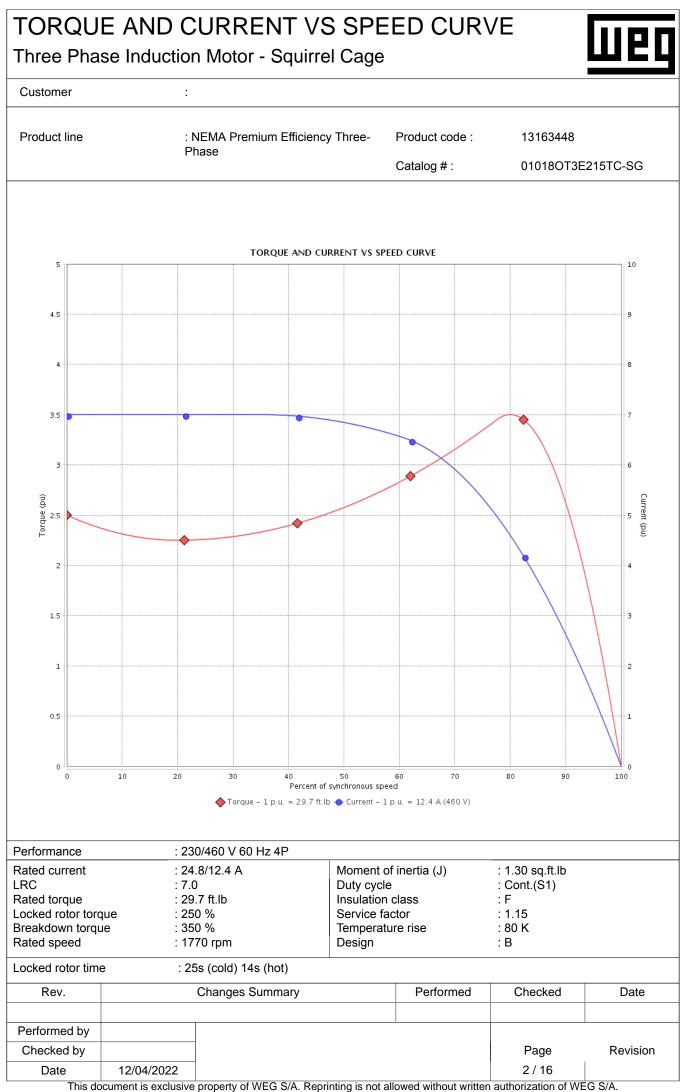
Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: NEMA Premiun Phase	n Efficiency Tl	hree-	Product code :	13163448		
		1 11030			Catalog # :	01018OT3E	215TC-SG	
Frame Insulation class Duty cycle Ambient temperature Altitude		: 213/5TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup>		: F-1 : Both (CW : Direct On : 130 lb	: Both (CW and CCW) : Direct On Line : 130 lb	
Design		: B		Momen	of inertia (J)	: 1.30 sq.ft.		
Output [HP]		10			10		10	
Poles Frequency [Hz]		4 60			<u>4</u> 50		4 50	
Rated voltage [V]		230/46	0		190/380	2	20/415	
Rated current [A]		24.8/12			29.8/14.9		.2/14.4	
L. R. Amperes [A]		174/86			191/95.4		93/102	
LRC [A]		7.0x(Cod		F	6.4x(Code G)		(Code H)	
No load current [A	]	12.0/5.9			11.8/5.89		.2/6.45	
Rated speed [RPN		1770			1460		1465	
Slip [%]		1.67			2.67		2.33	
Rated torque [ft.lb]	1	29.7			36.0		35.8	
Locked rotor torqu		250			200		220	
Breakdown torque		350			250		280	
Service factor		1.15			1.15		1.15	
Temperature rise		80 K			80 K		80 K	
Locked rotor time		25s (cold) 14		0s	(cold) 0s (hot)		ld) 0s (hot)	
Noise level <sup>2</sup>			59.0 dB(A)		56.0 dB(A)		0 dB(A)	
	25%	89.4			91.4		90.4	
Efficiency (0/)	50%	90.2			90.1		89.6	
Efficiency (%)	75%	91.0			89.7		89.8	
	100%	91.7			88.1		88.7	
	25%	0.38			0.45		0.41	
Power Factor	50%	0.64			0.72		0.68	
	75%	0.77			0.82		0.80	
	100%	0.83			0.87		0.85	
Bearing type Sealing Lubrication inter- Lubricant amoun Lubricant type		Drive end N 6208 ZZ Without Bearing Seal - - Mobil Poly	-	Max. trac		: 501 lb : 631 lb		
Notes USABLE @208V	27.4A SF 1.							
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec ocess.	icel the previous or shaft end. olerance of +3dB(A t to changes after			e average values upply, subject to th			
Rev.		Changes Sum	mary		Performed	Checked	Date	
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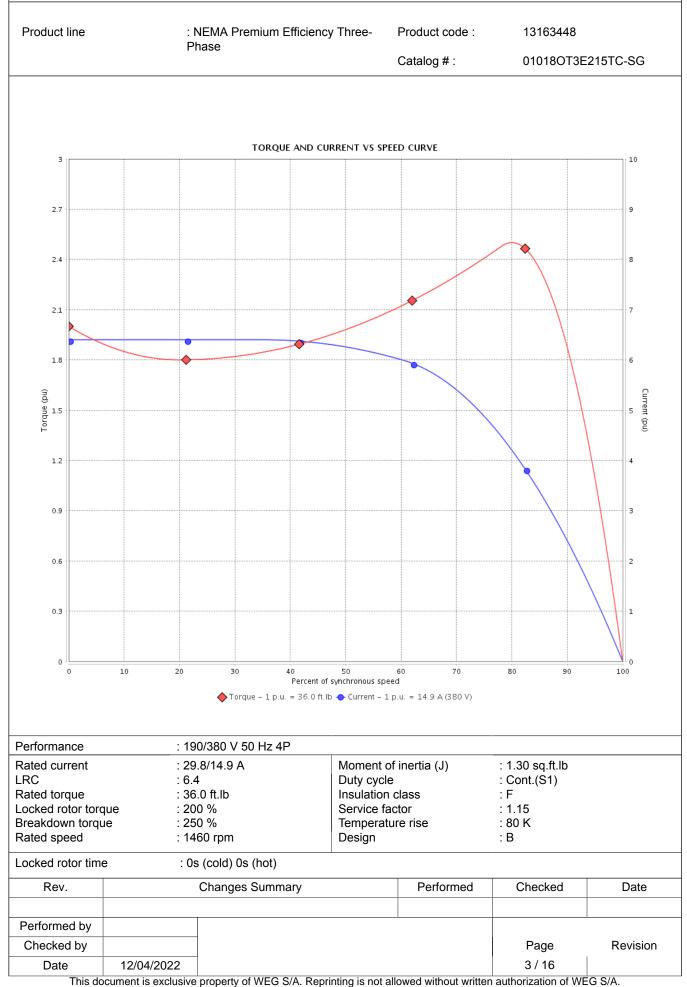
### TORQUE AND CURRENT VS SPEED CURVE

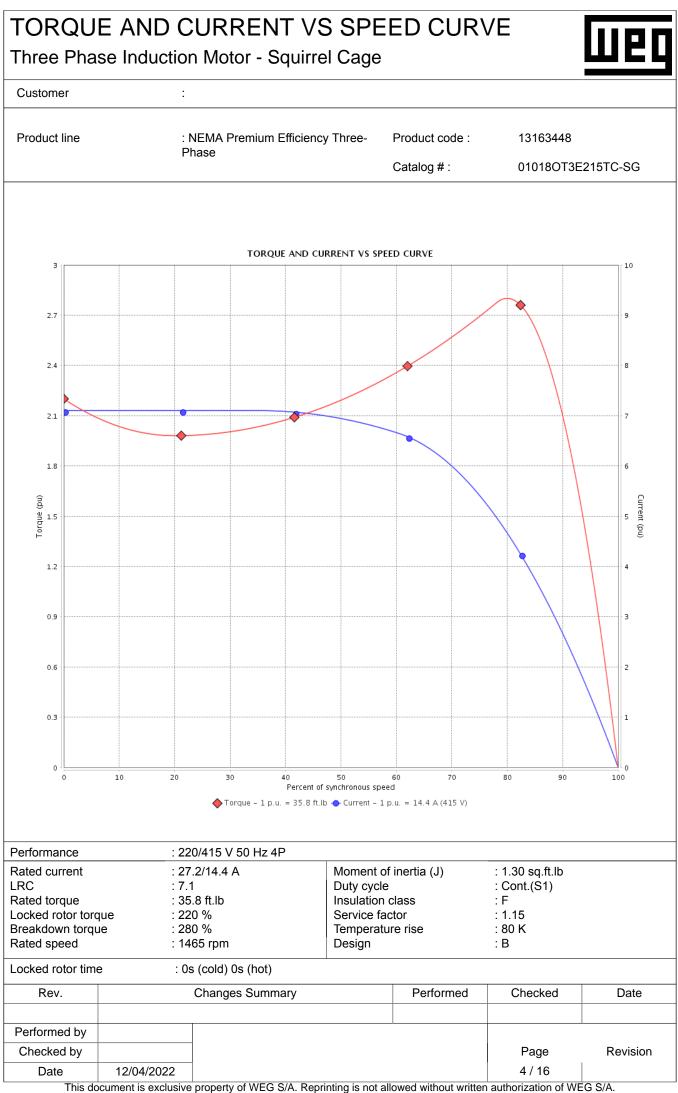
Three Phase Induction Motor - Squirrel Cage

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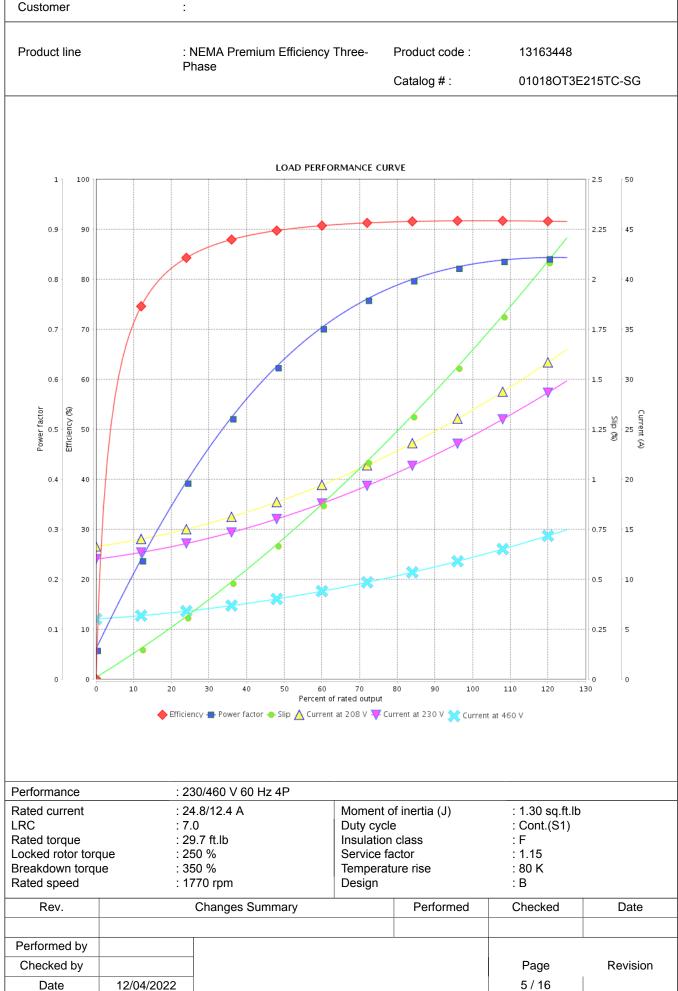




# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



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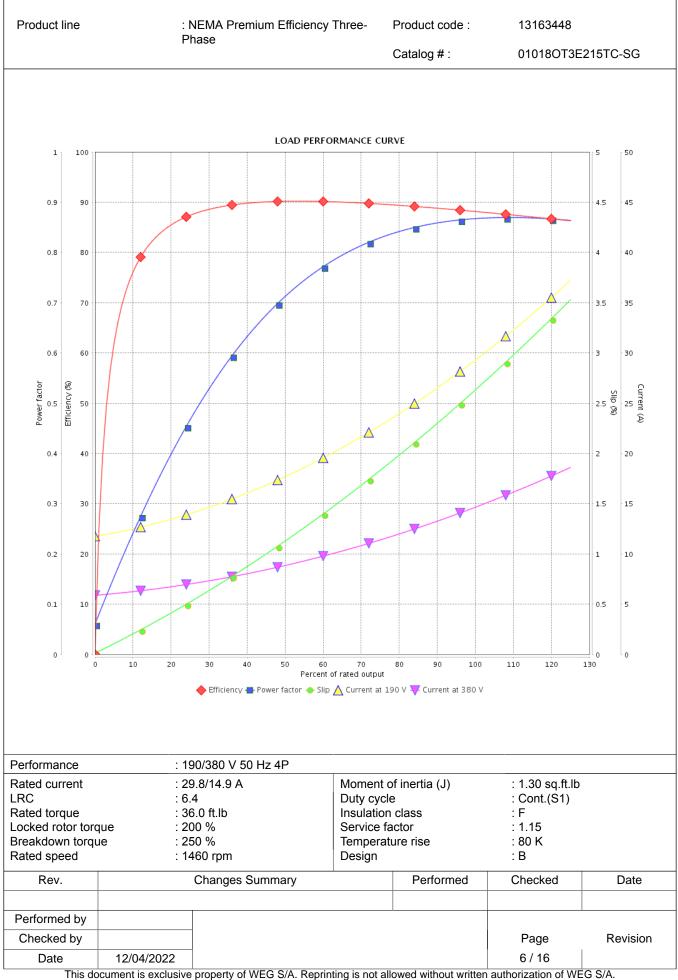
## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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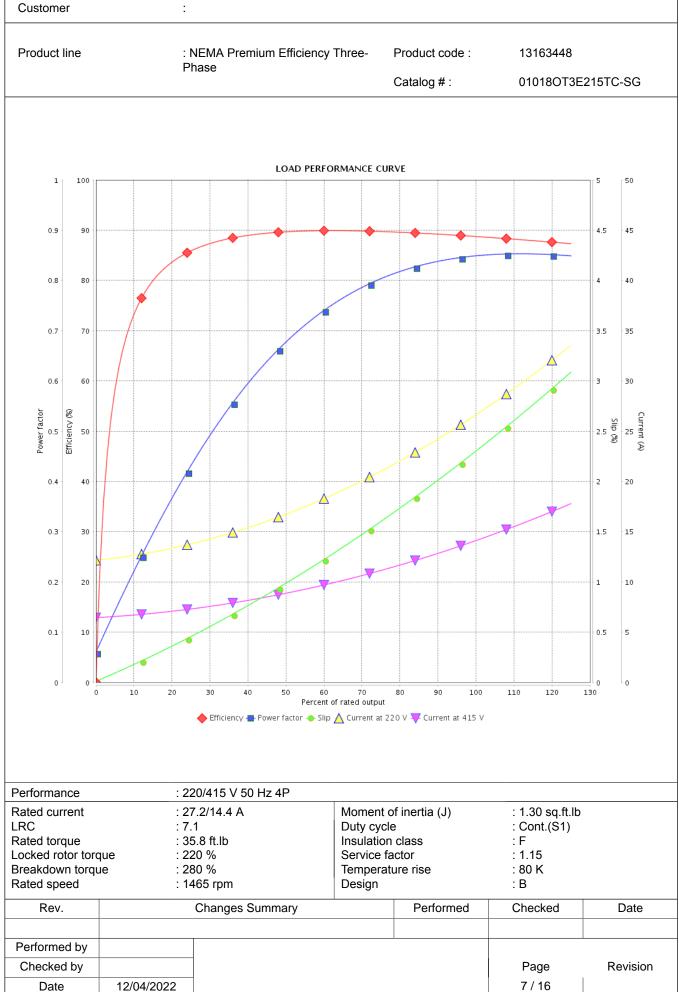
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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

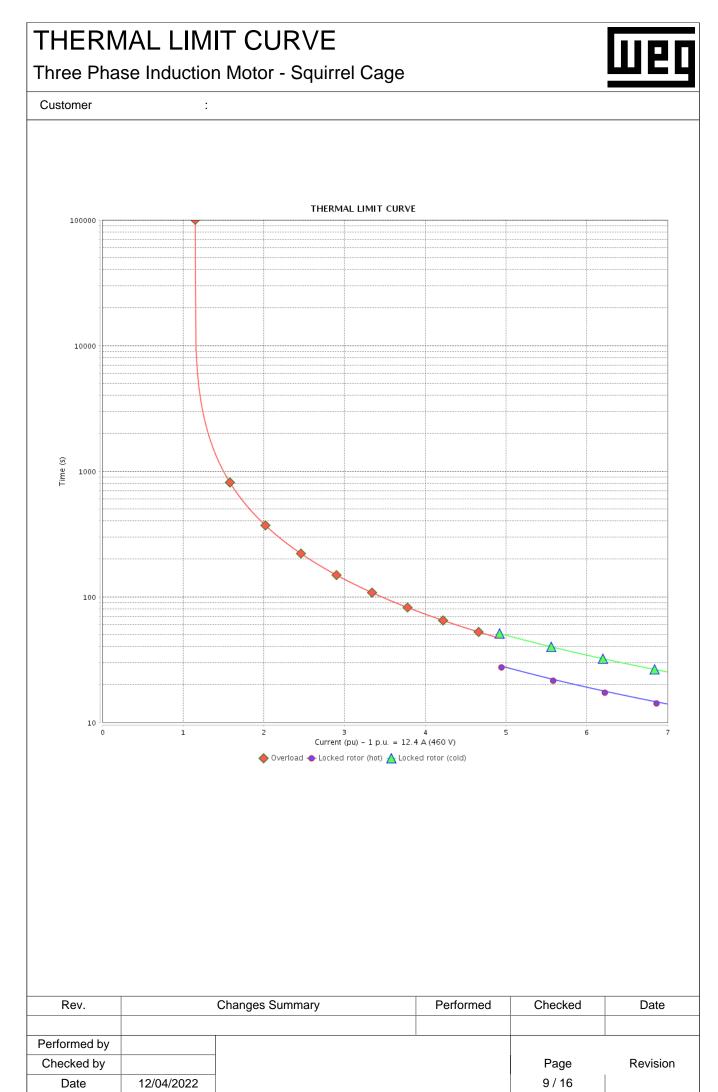
#### Customer



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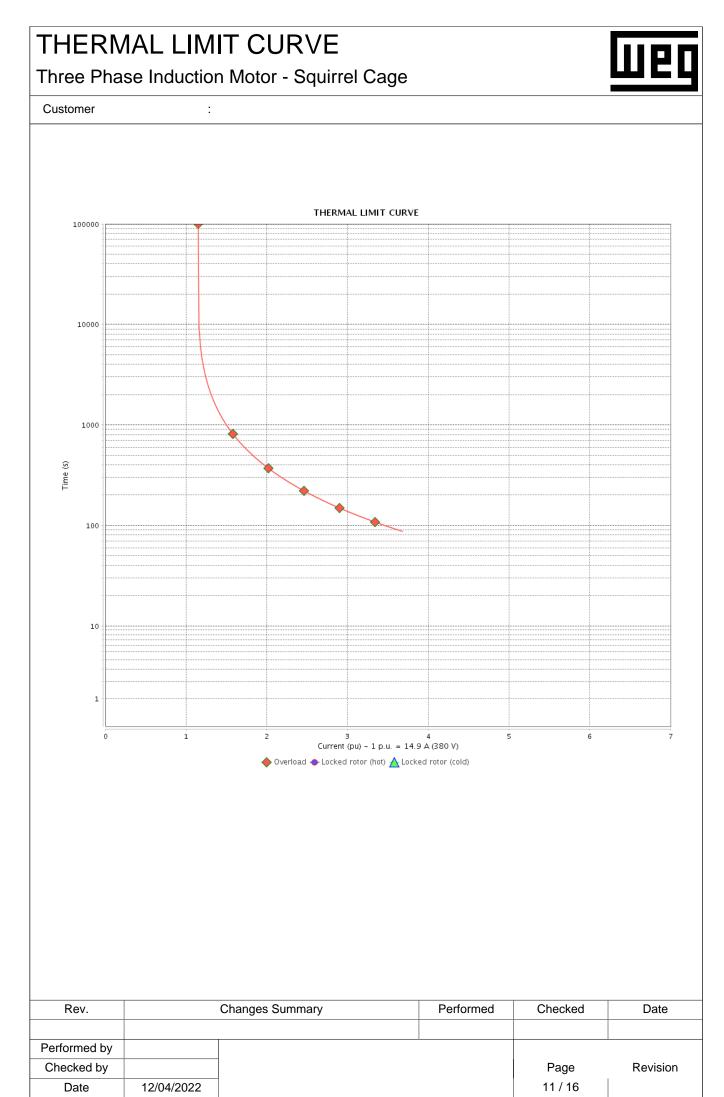
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage							
Customer	:						
Product line	: NEMA Premium Efficiency <sup>-</sup> Phase	Three- Product code : Catalog # :	13163448 01018OT3E215TC-SG				
Performance	: 230/460 V 60 Hz 4P	•• • • • • • •					
Rated current LRC	: 24.8/12.4 A : 7.0	Moment of inertia (J) Duty cycle	: 1.30 sq.ft.lb : Cont.(S1)				
Rated torque	: 29.7 ft.lb	Insulation class	: F				
Locked rotor torque	: 250 %	Service factor	: 1.15				
Breakdown torque Rated speed	: 350 % : 1770 rpm	Temperature rise Design	: 80 K : B				
Heating constant Cooling constant							
Rev	Changes Summary	Performed	Checked Date				

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THERMAL LI	IVIT CURVE	Cage		Шед		
Customer	:					
Product line	: NEMA Premium Efficiency Phase	Three- Product cc Catalog #		13163448 01018OT3E215TC-SG		
Performance	: 190/380 V 50 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 29.8/14.9 A : 6.4 : 36.0 ft.lb : 200 % : 250 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 1.30 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K		
Rated speed	: 1460 rpm	Design		: B		

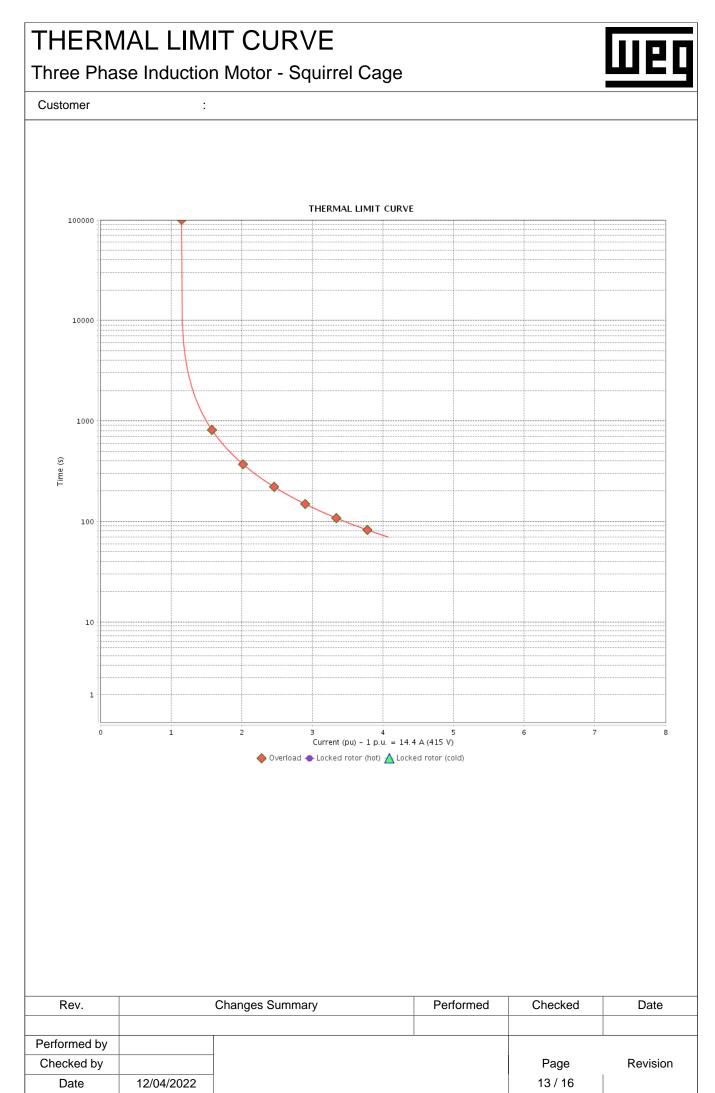
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Heating constan	t					
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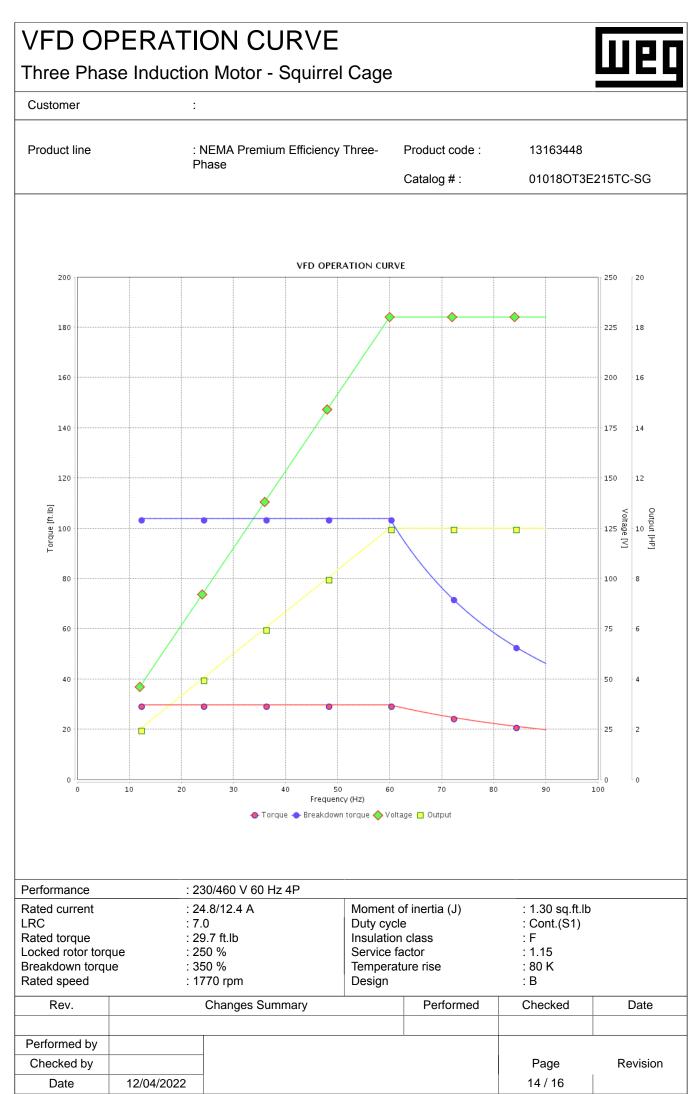


THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage						
Customer		:	Cage			
Product line		: NEMA Premium Efficiency Phase		Product code : Catalog # :	13163448 01018OT3E	215TC-SG
Performance		: 220/415 V 50 Hz 4P	[			
Rated current LRC Rated torque Locked rotor torque Breakdown torque		: 27.2/14.4 A : 7.1 : 35.8 ft.lb : 220 % : 280 %	Duty cycle Insulation Service fa	Moment of inertia (J): 1.Duty cycle: CInsulation class: FService factor: 1.Temperature rise: 80		
Rated speed		: 1465 rpm	Design		: 80 K : B	
Heating constan						
Cooling constan Rev.	t	Changes Summary		Performed	Checked	Date
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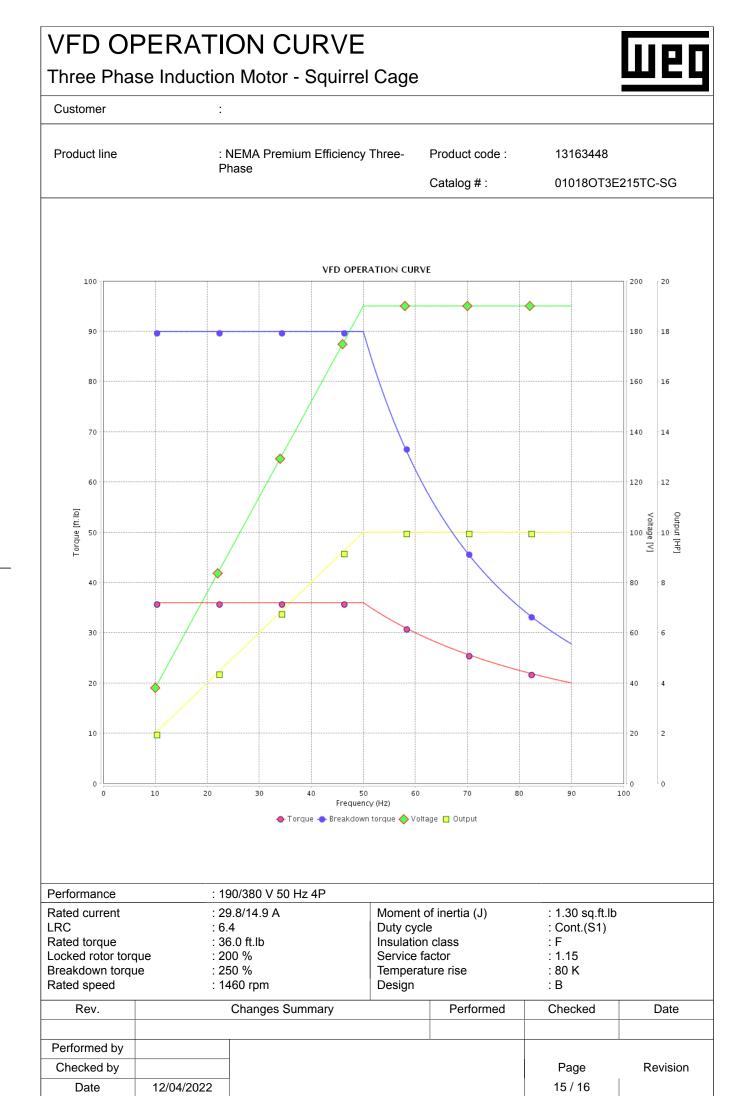
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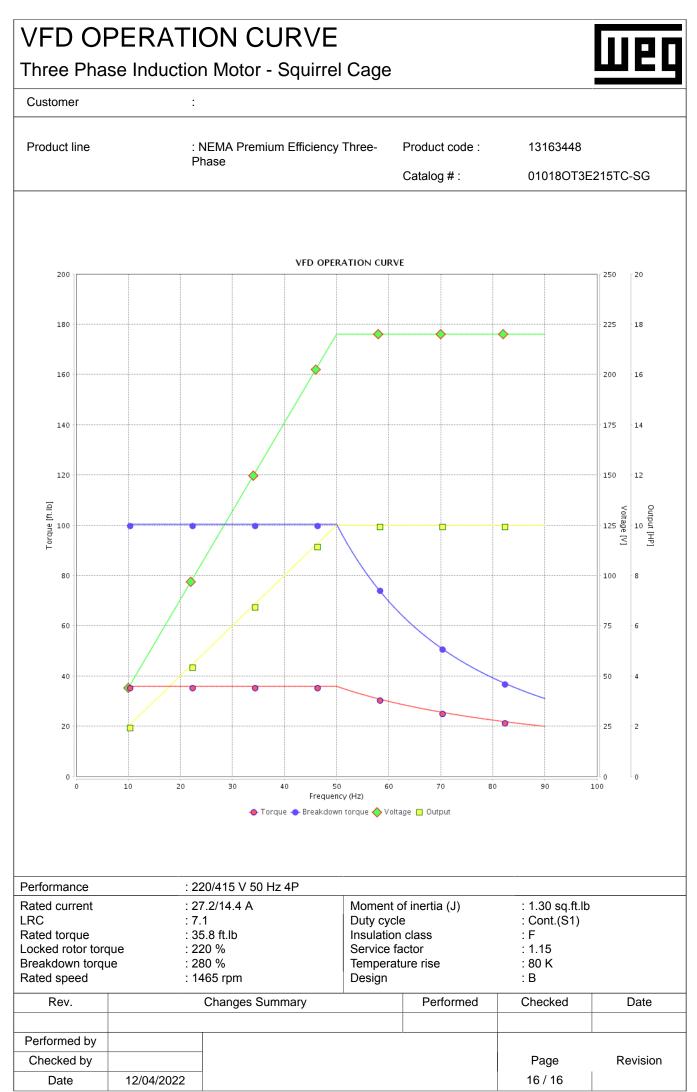




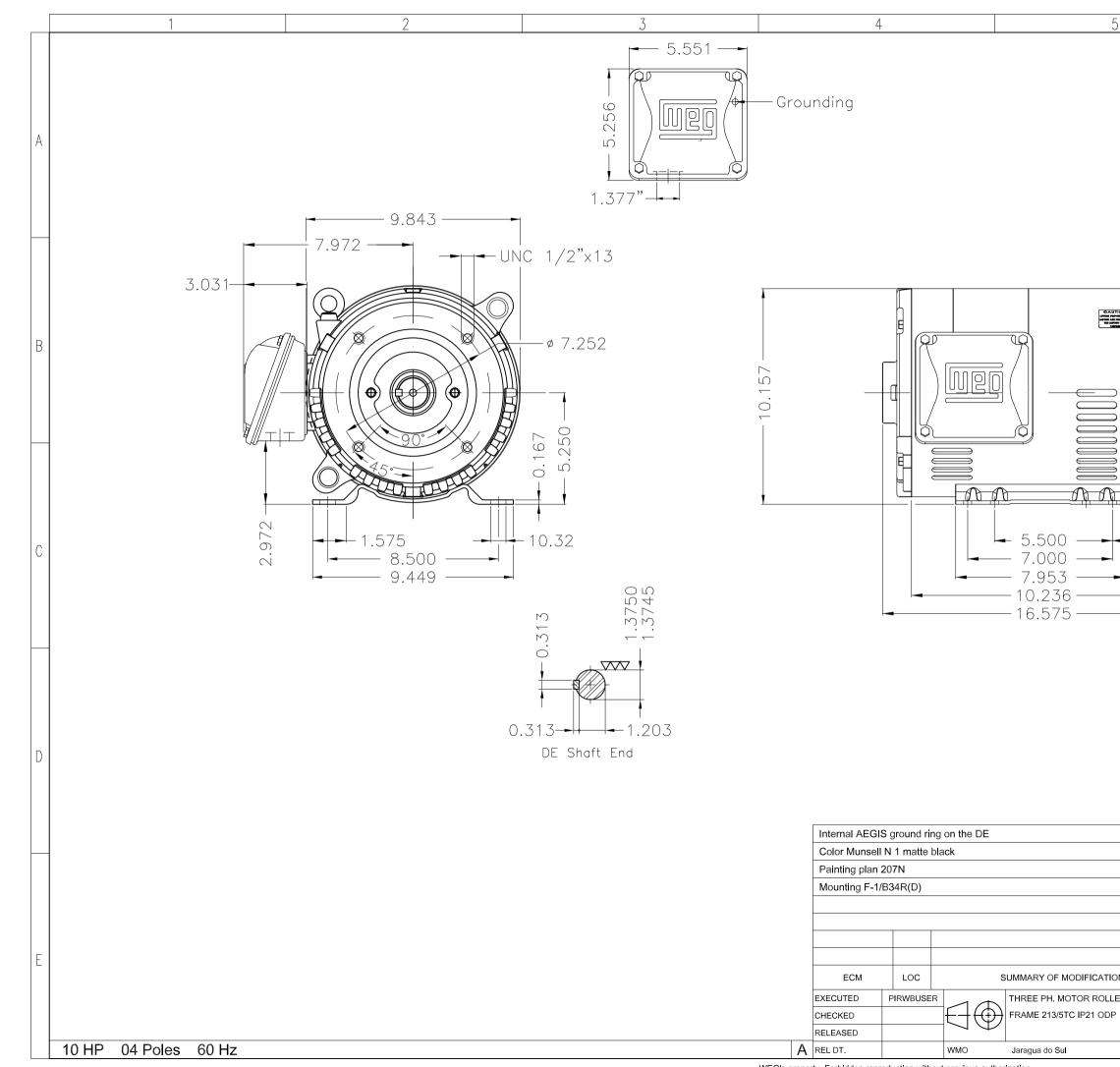
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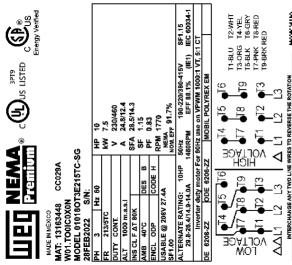


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LED STEEL PREM. E	FF.	PREVI		Шe	
Product	Engineering	WDD SHEET	1 / 1		XWE



choc électrique grave. Déconnectez l'alimentation avant l'entrefien de la machine conformément aux codes électriques locaux et nationaux afin d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre

chocks. Disconnect power source before servicing unit.

WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical

