DATA SHEET

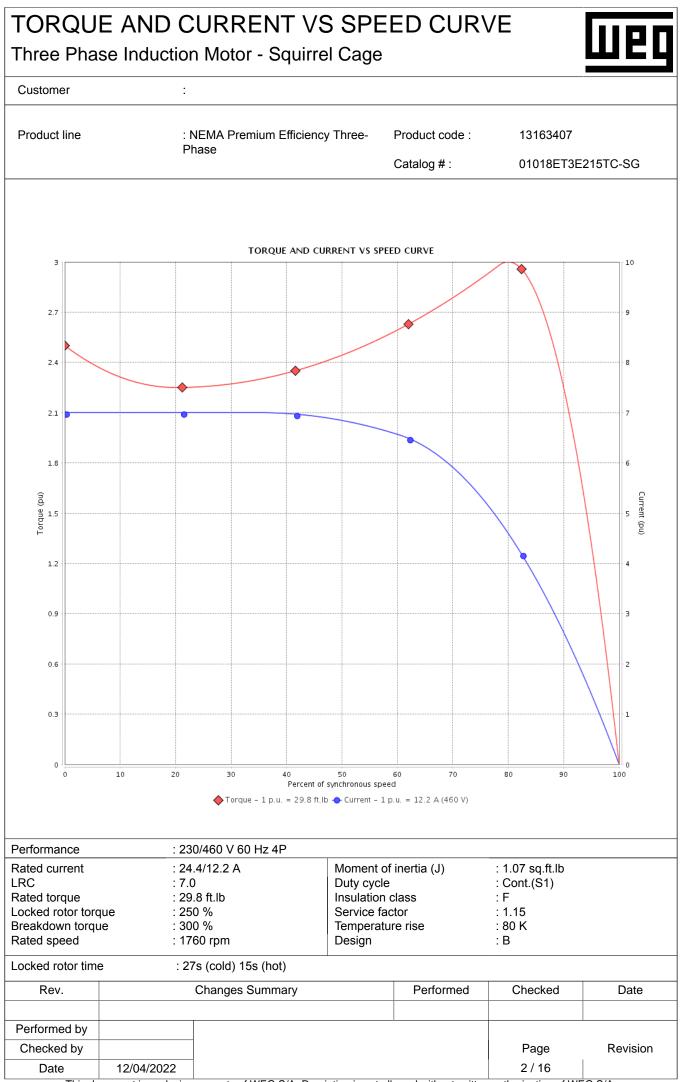
Three Phase Induction Motor - Squirrel Cage

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Customer

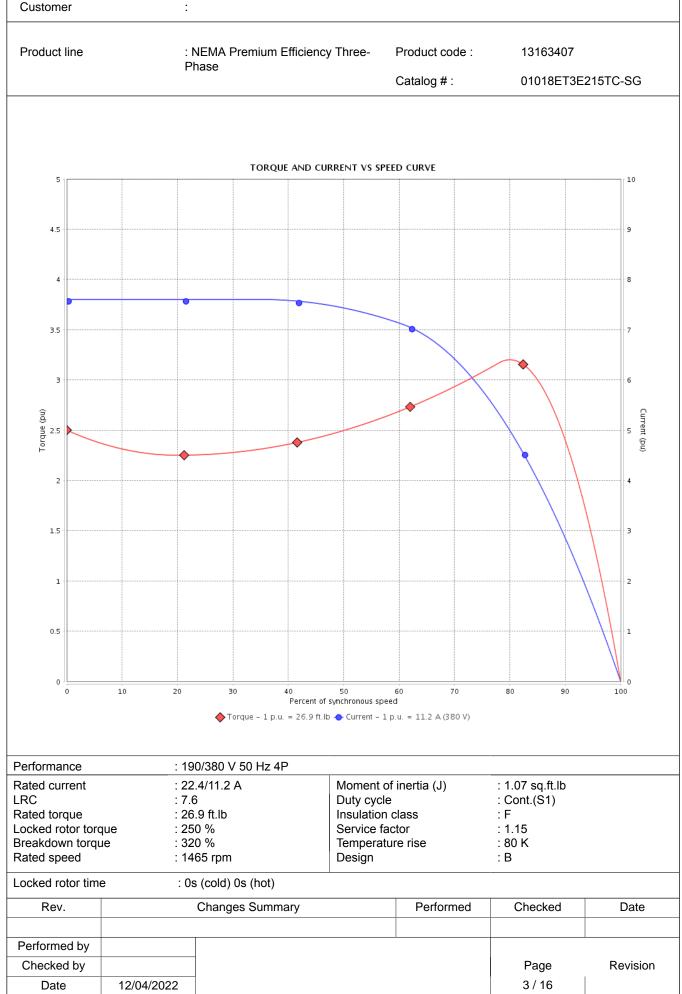
Product line		: NEMA Premi Phase	um Efficiency T	hree- Product code :		13163407	
		Flidse		(Catalog # :	01018ET3E	215TC-SG
Frame Insulation class Duty cycle Ambient tempera Altitude		: 213/5TC : F : Cont.(S1) : -20°C to +40' : 1000 m.a.s.l. : IP55		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TE : F-1 : Both (CW : Direct On : 142 lb	and CCW) Line
Protection degre	e	: IP55 : B		woment	or mertia (J)	: 1.07 sq.ft.l	D
Dutput [HP] Poles		10	-		7.5		7.5
Frequency [Hz]		60			50		50
Rated voltage [V]		230/			190/380	2'	20/415
Rated current [A]		230/			22.4/11.2		0.8/11.0
					170/85.1		/2/91.3
. R. Amperes [A]		171/8					
_RC [A]	1	7.0x(Co		/	.6x(Code J)		(Code K)
No load current [A		11.1/			10.9/5.46		.3/5.97
Rated speed [RPN	vij	170			1465		1470
Slip [%]	-	2.2			2.33		2.00
Rated torque [ft.lb		29			26.9		26.8
Locked rotor torqu		25	0		250		290
Breakdown torque	e [%]	30	0		320		360
Service factor	-	1.1	15		1.15		1.15
Temperature rise		80		<u> </u>	80 K		80 K
Locked rotor time		27s (cold)		٥٩	(cold) 0s (hot)		ld) 0s (hot)
Noise level ²		60.0 c			57.0 dB(A)		0 dB(A)
	25%	90			90.4		89.3
Efficiency (%)	50%	90			90.4		<u>89.4</u>
	75%	91			90.7		90.5
	100%		91.7		90.1		90.3
	25%	0.4			0.38		0.34
Power Factor	50%		0.67 0.78		0.64		0.59
	75%				0.76		0.73
	100%	0.84			0.83		0.80
Pooring type	1	Drive end : 6208 ZZ	Non drive end 6206 ZZ				
Bearing type Sealing		: 0208 22 : V'Ring		Max. trac Max. con		: 473 lb : 615 lb	
Lubrication inter		: -	-				
Lubricant amour	nt	: =	-				
Lubricant type		: Mobil P	olyrex EM				
Notes USABLE @208V	27.0A SF 1.0	00 SFA 27.0A					
This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate w manufacturing pr (4) At 100% of fu	ed. notor from the 1m and with to weight subject ocess.	shaft end. olerance of +3dE	3(A).		e average values l pply, subject to the		
		Changes C:	Immon (Dorformed	Charling	Data
Rev.		Changes Su	ummary		Performed	Checked	Date
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Performed by							
-						Page	Revision
Performed by Checked by Date	12/04/2022					Page 1 / 16	Revision



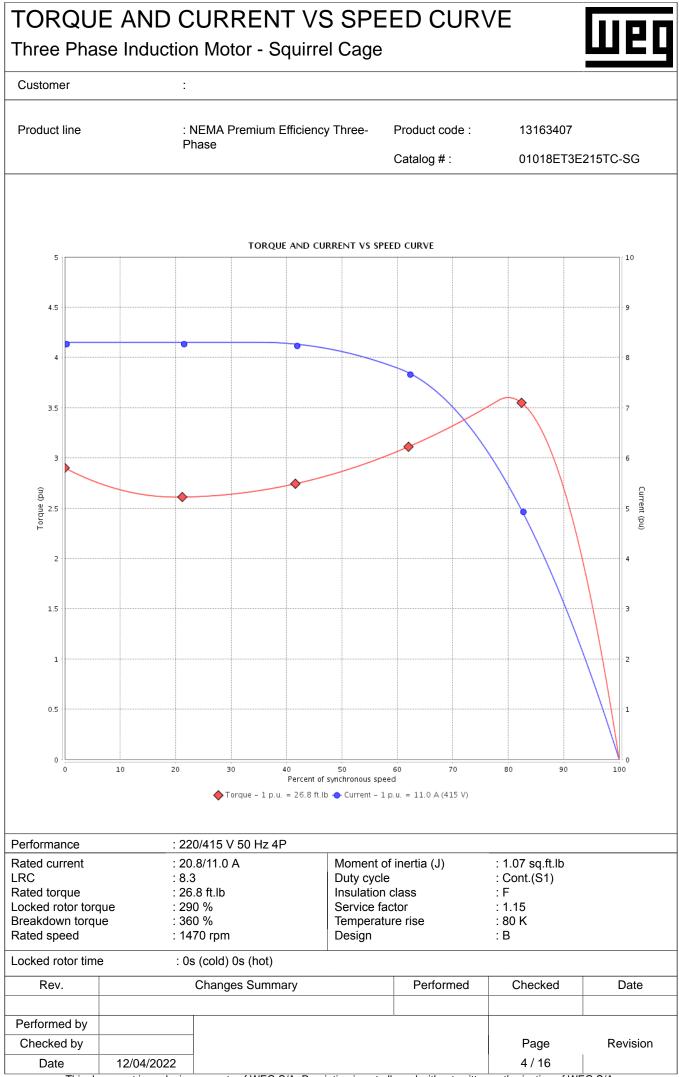
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





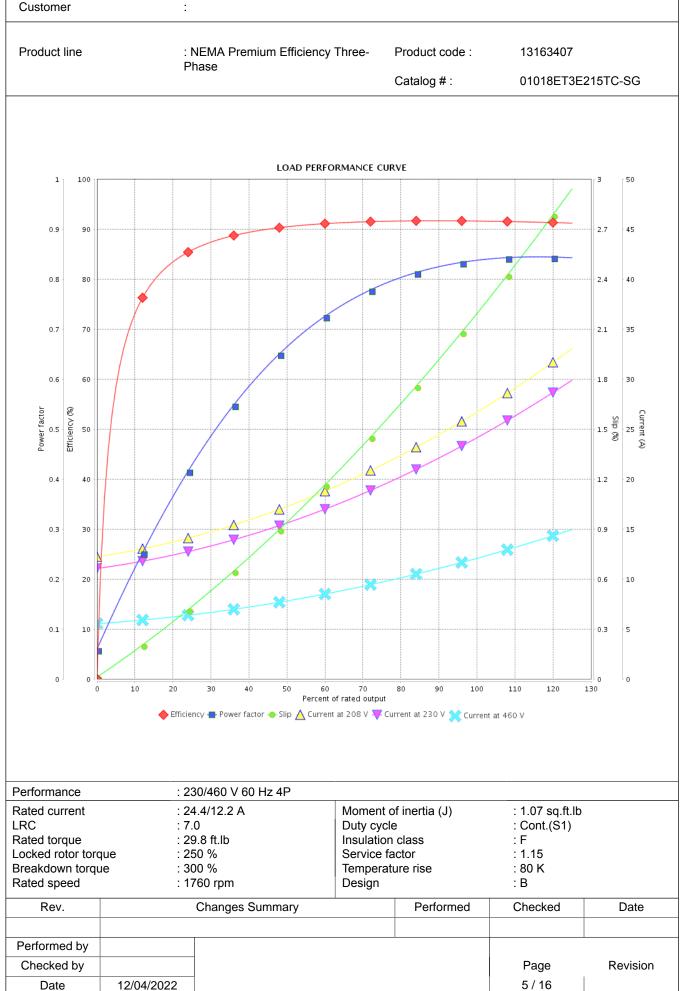
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LOAD PERFORMANCE CURVE

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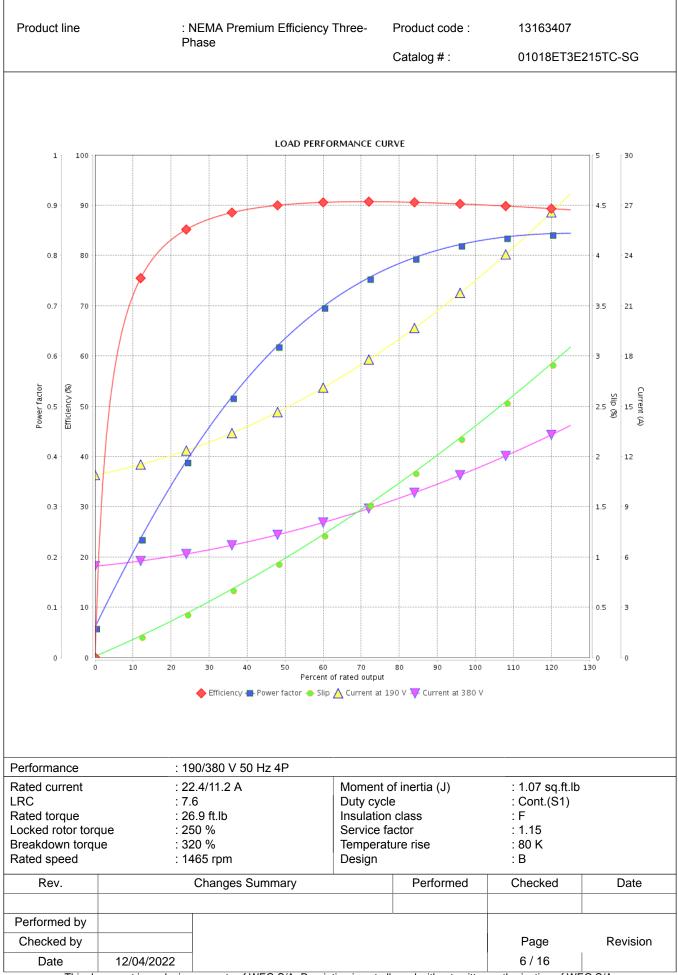
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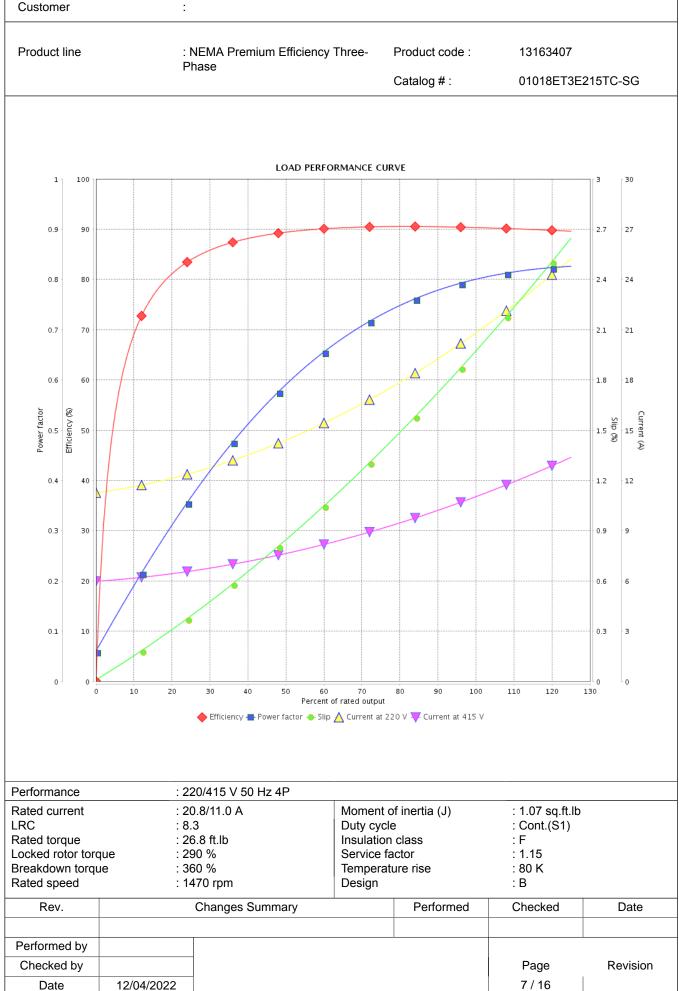
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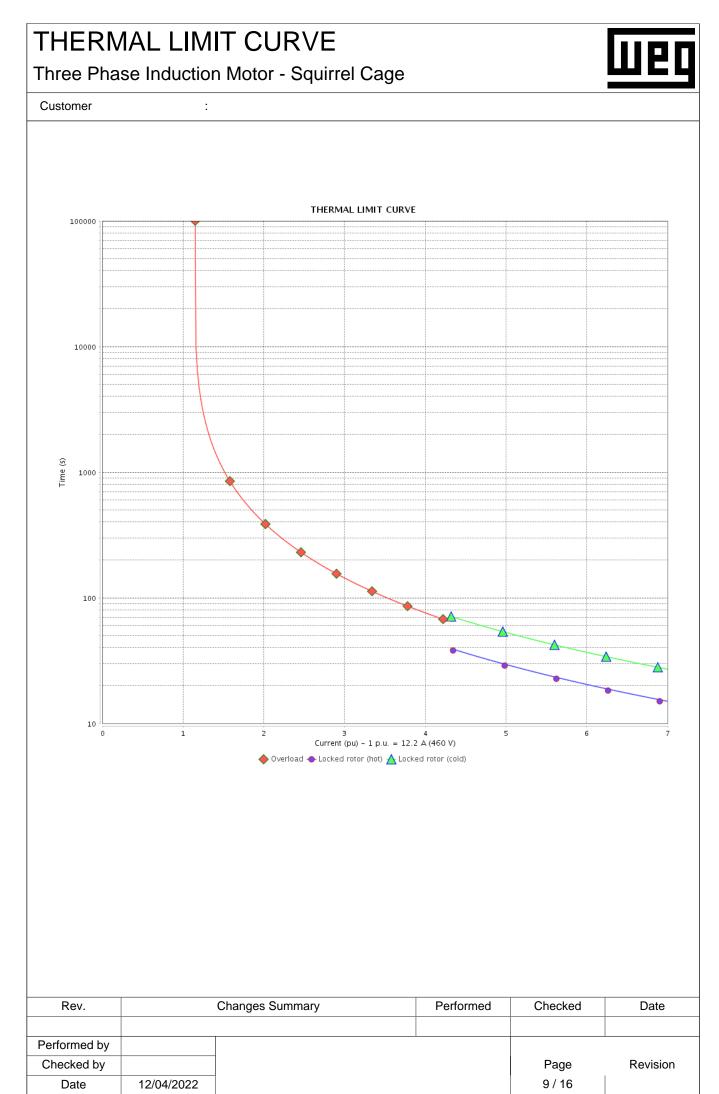


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THERMAL I	_IMIT (CURVE			
Three Phase Ind	uction Mo	tor - Squirre	el Cage		
Customer	:				



Product line	: NEMA Premium Efficiency The	ree- Product code :	13163407	13163407	
	Phase	Catalog # :	01018ET3E	215TC-SG	
Performance	: 230/460 V 60 Hz 4P				
Rated current LRC		loment of inertia (J) outy cycle	: 1.07 sq.ft.lb : Cont.(S1)		
Rated torque	: 29.8 ft.lb Ir	nsulation class	: F		
Locked rotor torque Breakdown torque		ervice factor emperature rise	: 1.15 : 80 K		
Rated speed		esign	: B		
Heating constant					
Cooling constant					
Rev.	Changes Summary	Performed	Checked	Date	
Performed by					
Checked by			Page	Revision	

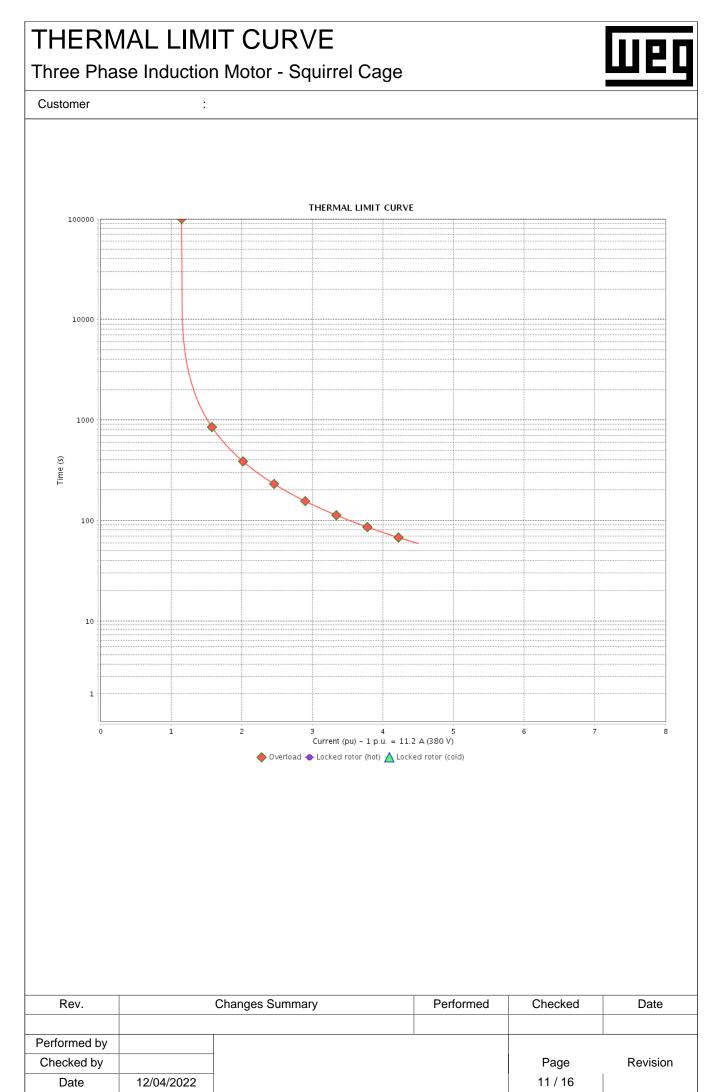


THERMAL LIMIT CURVE
Three Phase Induction Motor - Squirrel Cage
Customer :



Product line

Product line	: NEMA Premium Efficiency Three Phase		Three-	Product code :	13163407	
	Pi	nase		Catalog # :	01018ET3E2	15TC-SG
Performance		90/380 V 50 Hz 4P				
Rated current LRC	: 22 : 7.	2.4/11.2 A	Moment o Duty cycle	f inertia (J)	: 1.07 sq.ft.lb : Cont.(S1)	
Rated torque		5.9 ft.lb	Insulation		: F	
Locked rotor toro		50 %	Service factor		: 1.15	
Breakdown torqu Rated speed		20 % 465 rpm	Temperatu Design	ure rise	: 80 K : B	
		r				
Heating constant Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Performed by						
Checked by					Page	Revision
Date	12/04/2022				10 / 16	



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Three Phase Indu	uction Motor -	Squirrel Cage	
Customer	:		

Product code :

Catalog # :

: NEMA Premium Efficiency Three-Phase

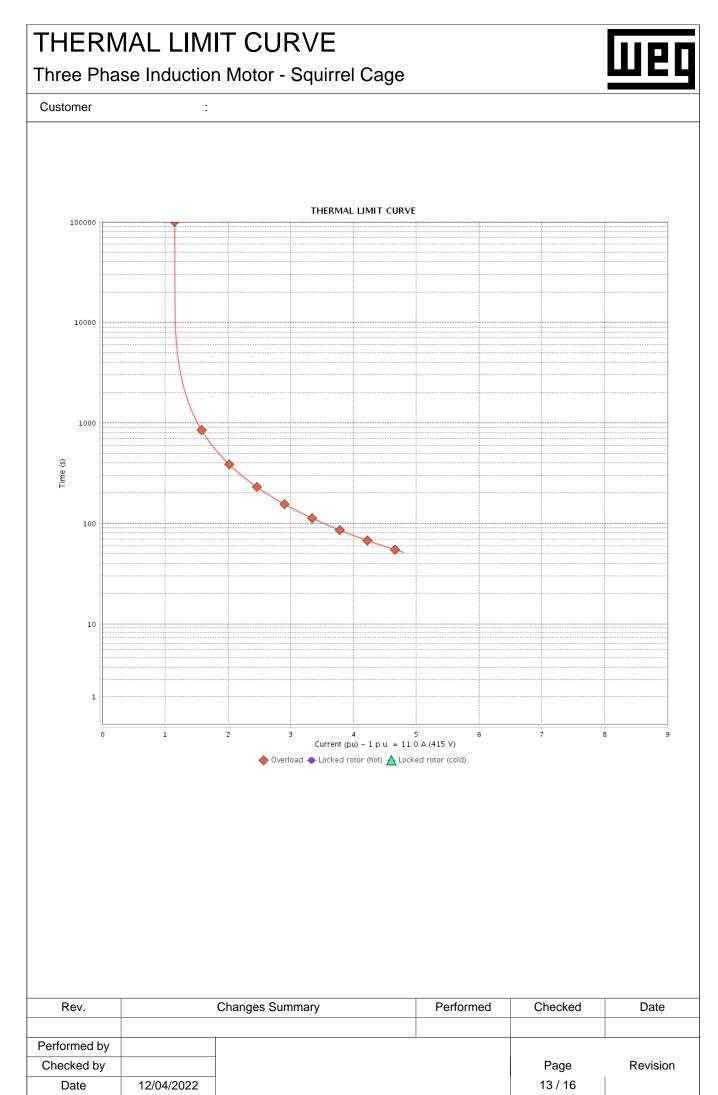
Product line

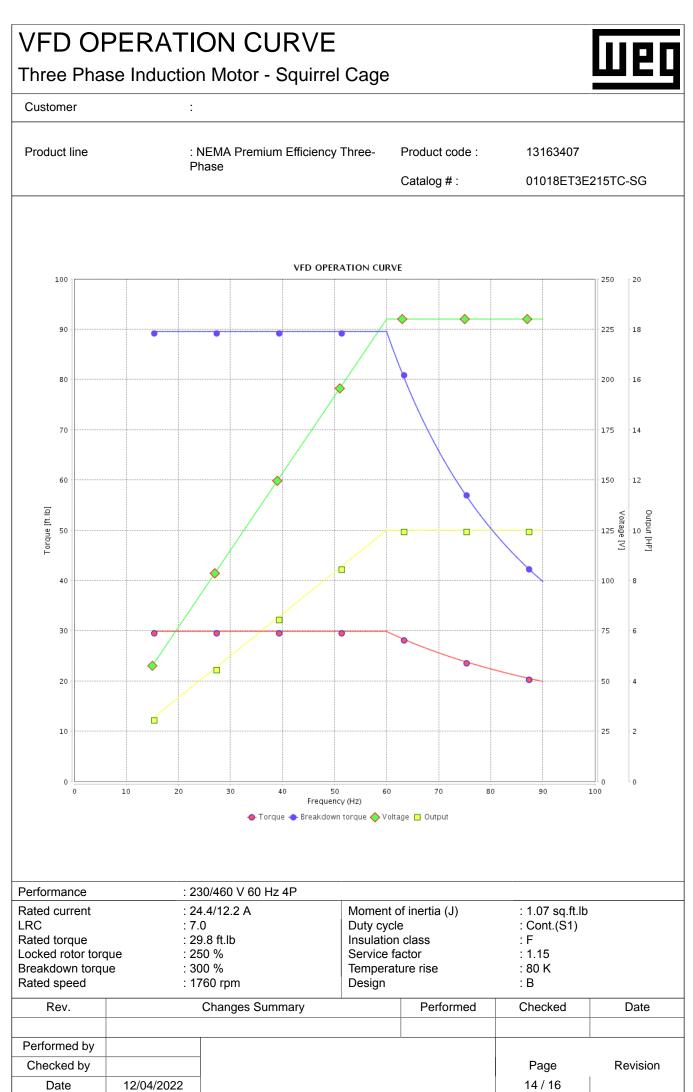
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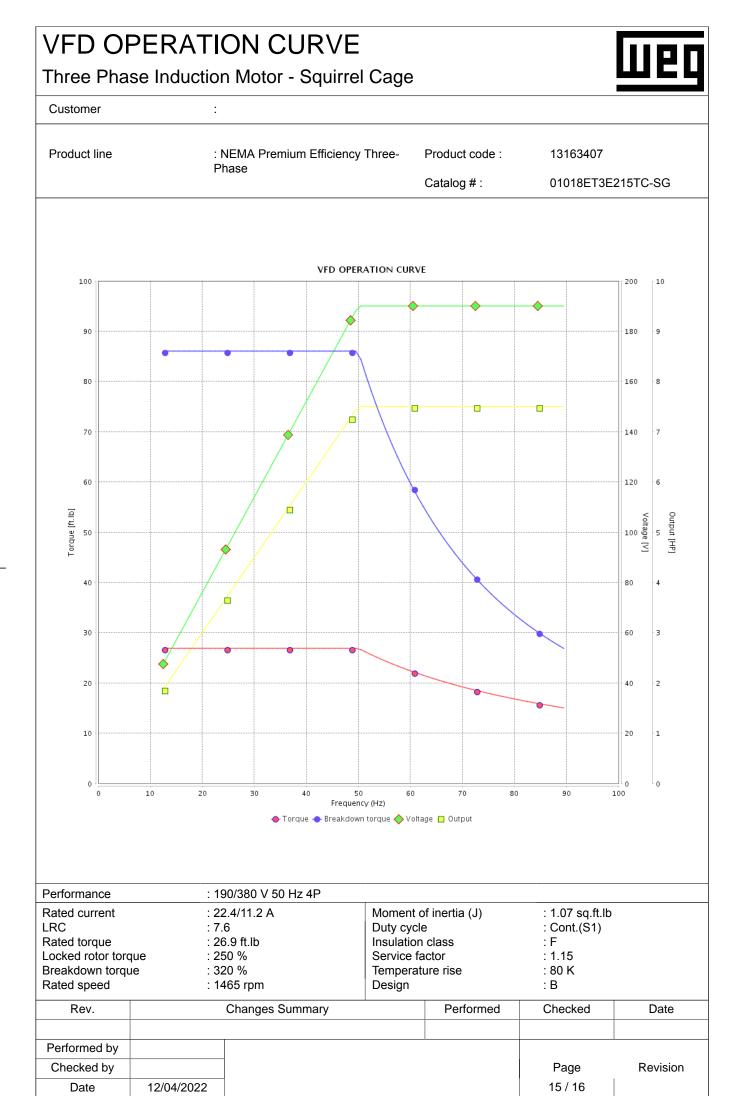
13163407

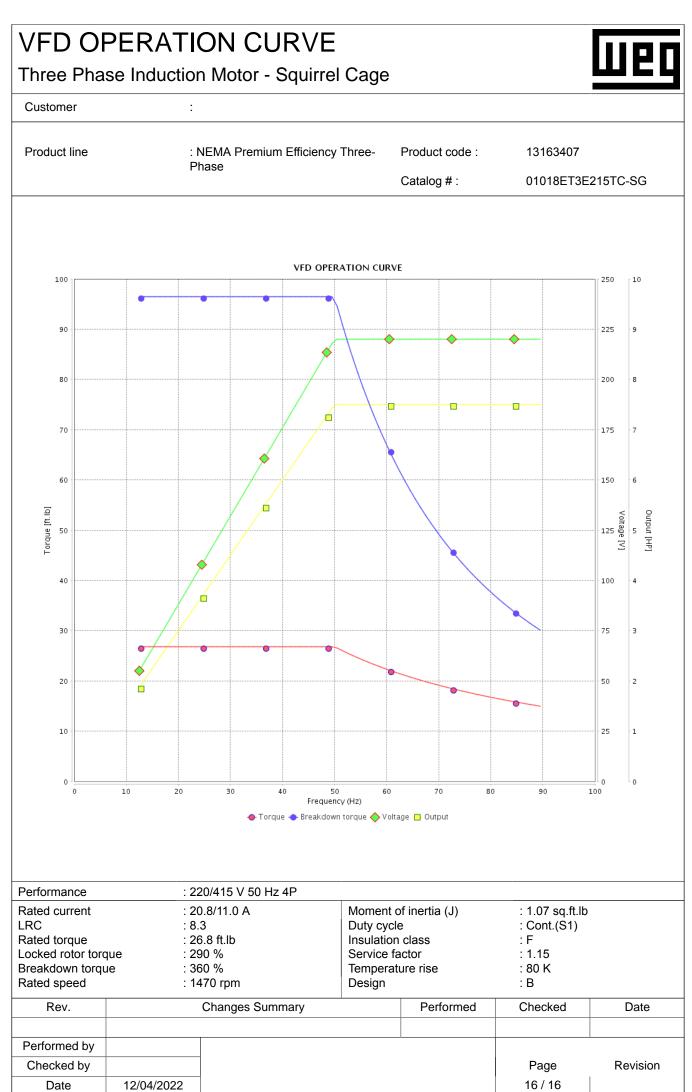
01018ET3E215TC-SG

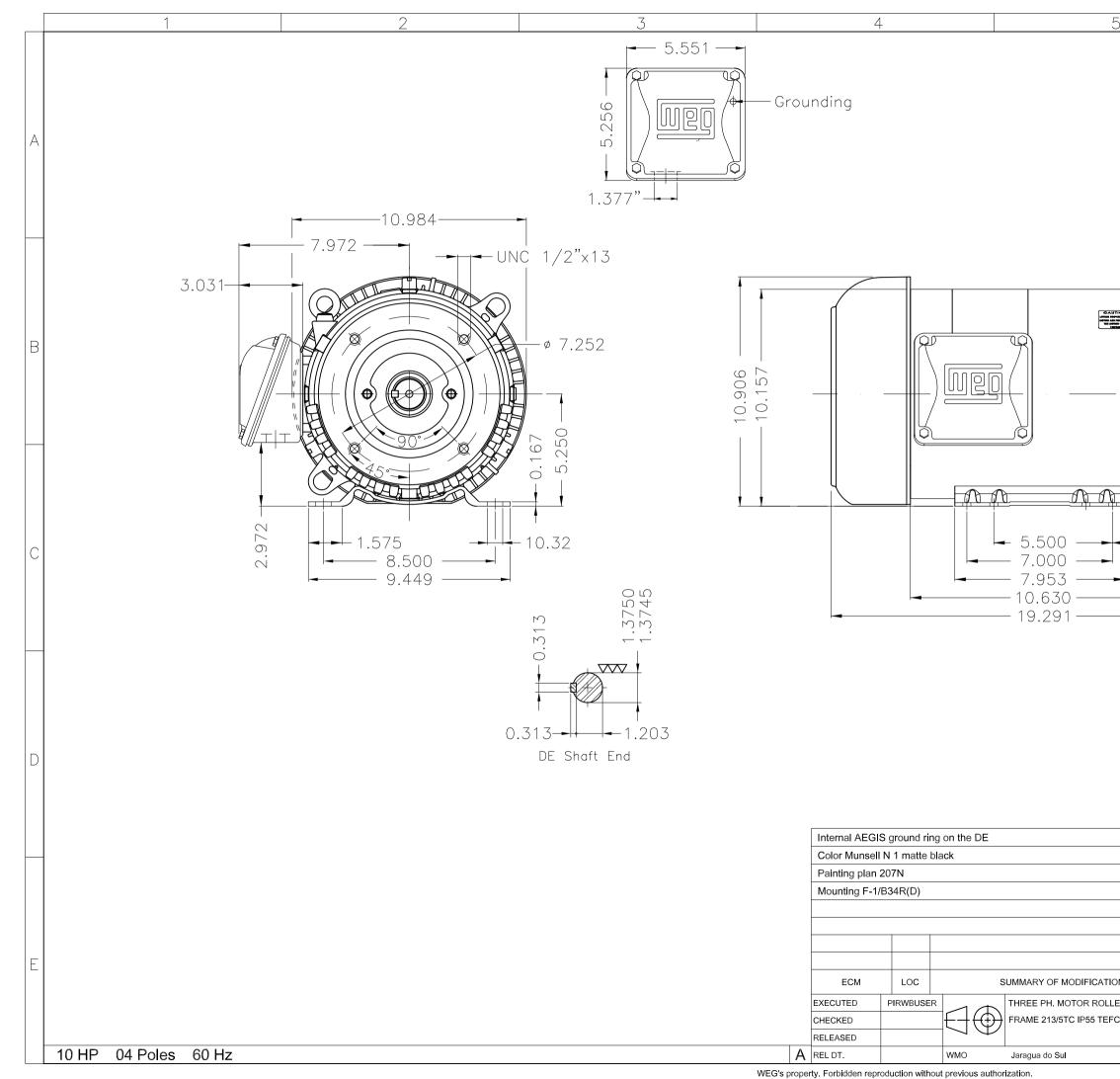
Performance	: 220/415 \		
Rated current	: 20.8/11.0	tia (J) : 1.07 sq.ft.lb	
Rated current LRC	: 20.8/11.0 : 8.3	: Cont.(S1)	
Performance Rated current LRC Rated torque Locked rotor tor	: 20.8/11.0 : 8.3 : 26.8 ft.lb :e : 290 %	: Cont.(S1) : F : 1.15	
Rated current LRC Rated torque Locked rotor tor Breakdown torq	: 20.8/11.0 : 8.3 : 26.8 ft.lb ue : 290 % e : 360 %	: Cont.(S1) : F : 1.15 se : 80 K	
Rated current LRC Rated torque	: 20.8/11.0 : 8.3 : 26.8 ft.lb :e : 290 %	: Cont.(S1) : F : 1.15	
Rated current LRC Rated torque Locked rotor tor Breakdown torq Rated speed Heating constar	: 20.8/11.0 : 8.3 : 26.8 ft.lb ue : 290 % e : 360 %	: Cont.(S1) : F : 1.15 se : 80 K	
Rated current _RC Rated torque _ocked rotor tor Breakdown torq Rated speed Heating constar Cooling constar	: 20.8/11.0 : 8.3 : 26.8 ft.lb : 290 % : 360 % : 1470 rpm	: Cont.(S1) : F : 1.15 se : 80 K : B	
Rated current LRC Rated torque Locked rotor tor Breakdown torq Rated speed Heating constar	: 20.8/11.0 : 8.3 : 26.8 ft.lb ue : 290 % e : 360 %	: Cont.(S1) : F : 1.15 se : 80 K : B	Date
Rated current LRC Rated torque Locked rotor tor Breakdown torq Rated speed Heating constar Cooling constan Rev.	: 20.8/11.0 : 8.3 : 26.8 ft.lb : 290 % : 360 % : 1470 rpm	: Cont.(S1) : F : 1.15 se : 80 K : B	Date
Rated current LRC Rated torque Locked rotor tor Breakdown torq Rated speed Heating constar Cooling constar	: 20.8/11.0 : 8.3 : 26.8 ft.lb : 290 % : 360 % : 1470 rpm	: Cont.(S1) : F : 1.15 : 80 K : B erformed Checked	Date











		- 3.129	6		
	0.25	- 2.480			Dimensions in inches
ONS LED STEEL PREM. E =C Produc		CHECKED PREVI WDD	RELEASED EW	DATE	VER VER B3