# DATA SHEET

#### Three Phase Induction Motor - Squirrel Cage

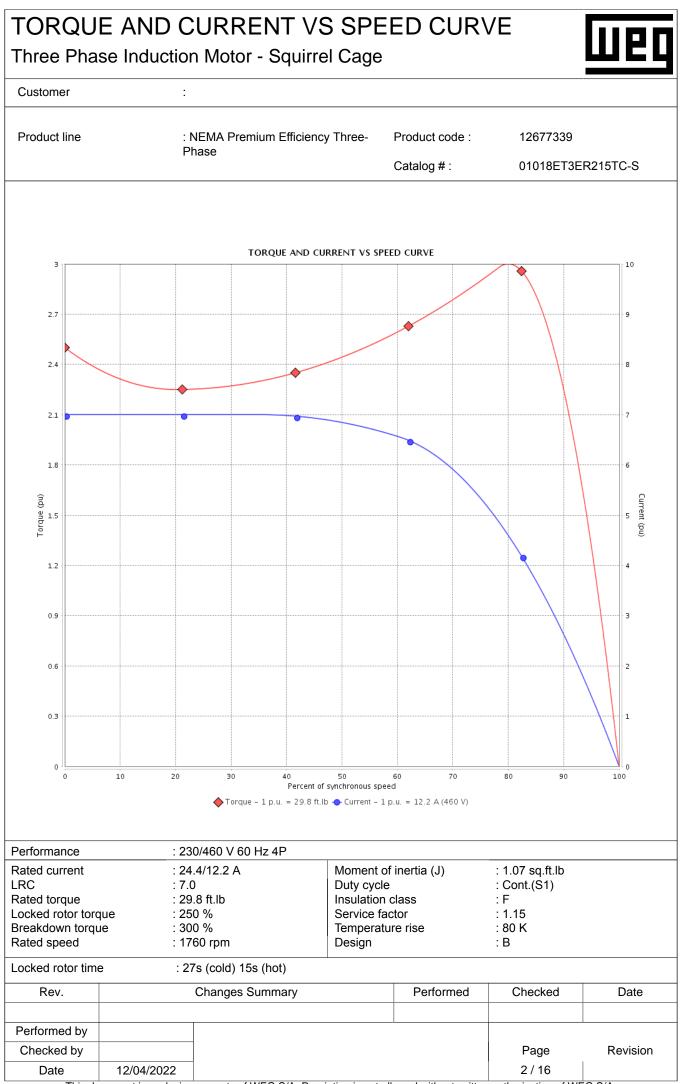
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#### Customer

Product line			: NEMA Premium Efficiency Three- Product code : Phase			12677339	
		Catalog # :		Catalog # :	01018ET3ER215TC-S		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree		: 213/5TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC411 - TEFC : W-6 : Both (CW and CCW) : Direct On Line : 143 lb : 1.07 sq.ft.lb	
Design		: B					
Output [HP]			0		7.5		7.5
			4		4		4
Frequency [Hz]			60 /460		50 190/380		50 20/415
Rated voltage [V] Rated current [A]			/12.2		22.4/11.2		.8/11.0
R. Amperes [A]			/85.4		170/85.1		2/91.3
.RC [A]	,		Code H)		7.6x(Code J)		(Code K)
No load current [A			/5.54		10.9/5.46		.3/5.97
Rated speed [RPN	/]		760		1465		1470
Slip [%]			22		2.33		2.00
Rated torque [ft.lb]			9.8		26.9		26.8
ocked rotor torqu			50		250		290
Breakdown torque	[%]		00		320		360
Service factor		1.	15		1.15		1.15
Temperature rise		80	80 K		80 K		80 K
ocked rotor time			27s (cold) 15s (hot)		(cold) 0s (hot)		ld) 0s (hot)
Noise level <sup>2</sup>			60.0 dB(A)		57.0 dB(A)		0 dB(A)
	25%		90.2		90.4		89.3
	50%		91.0		90.1		89.4
Efficiency (%)	75%		91.0		90.7		90.5
	100%		91.7		90.1		90.3
	25%		41	<u> </u>	0.38		0.34
	50%		0.67		0.64		0.59
Power Factor	75%		0.78		0.76		0.73
	100%		84		0.83		0.80
Bearing type	100,0	Drive end : 6208 ZZ	Non drive end 6206 ZZ	Foundati Max. trac	on loads ction	: 472 lb	
Sealing		: V'Ring	Without Bearing Seal	Max. cor	npression	: 616 lb	
Lubrication interv	/al	: -	-				
Lubricant amoun		: -	-	-			
Lubricant type		: Mobil F	Polyrex EM				
Notes USABLE @208V	27.0A SF 1.	00 SFA 27.0A					
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	d. otor from the m and with t veight subjec ocess.	shaft end. olerance of +3d	B(A).			based on tests wi	
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Date	12/04/202	2				1 / 16	
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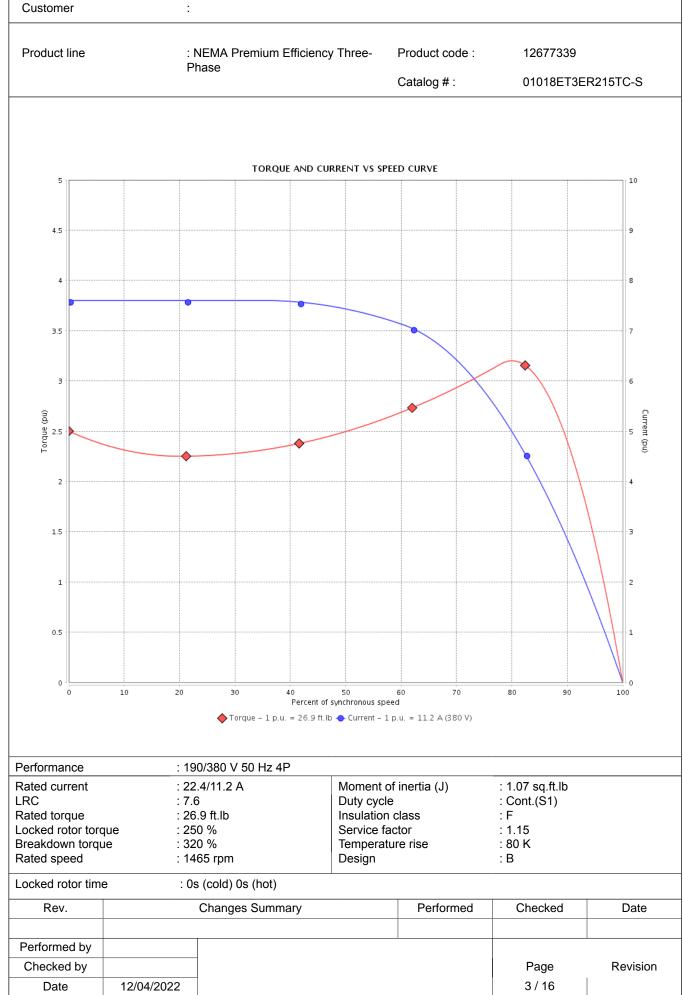
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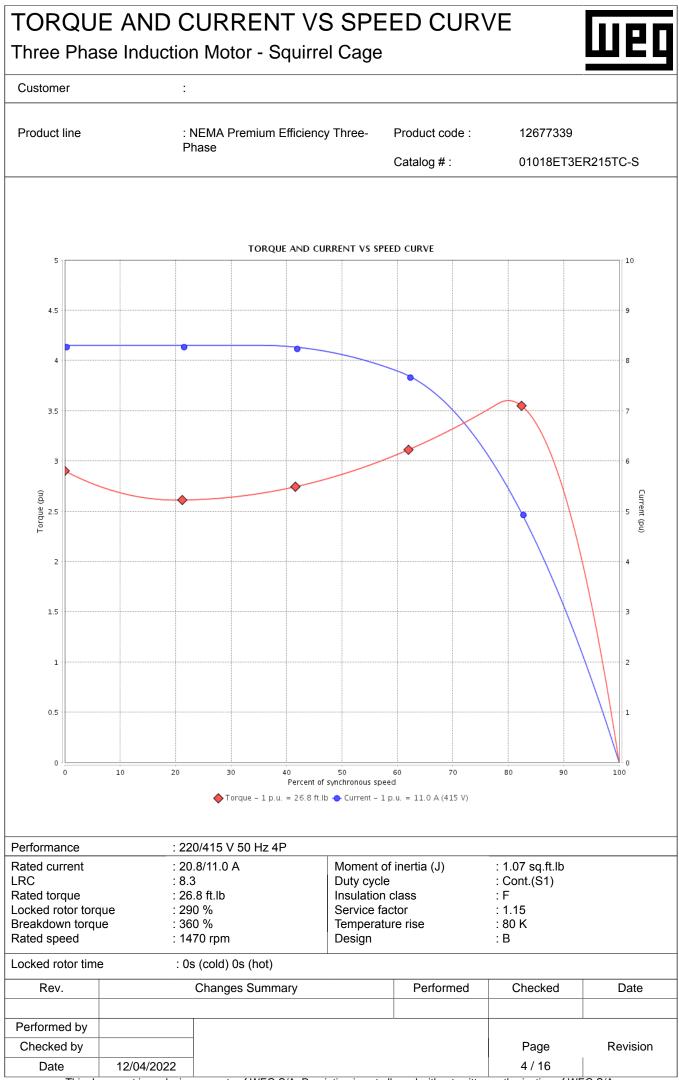
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





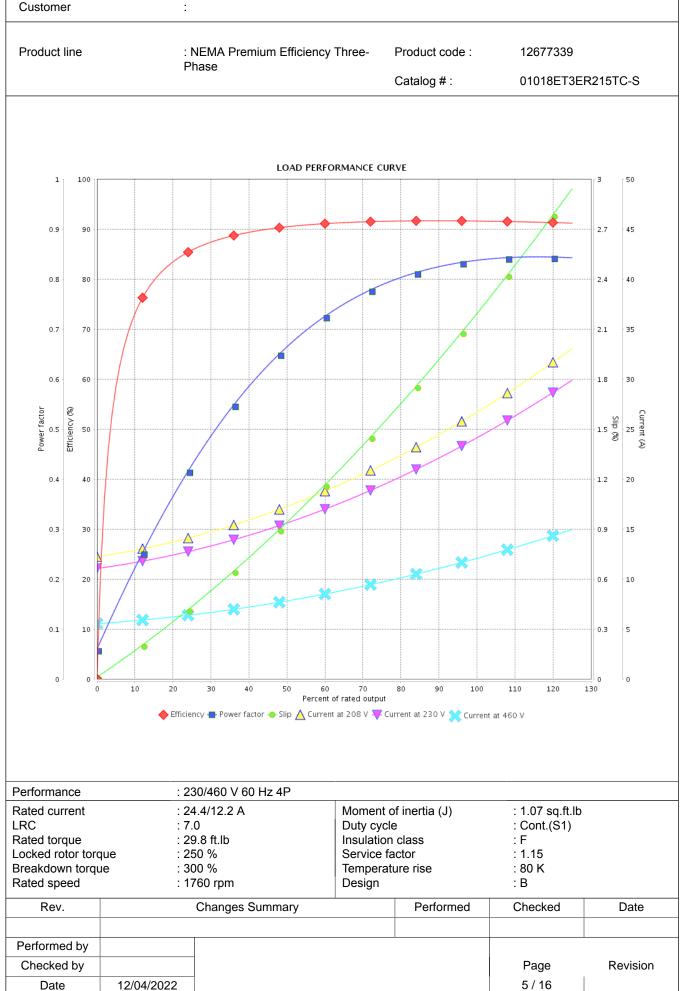
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



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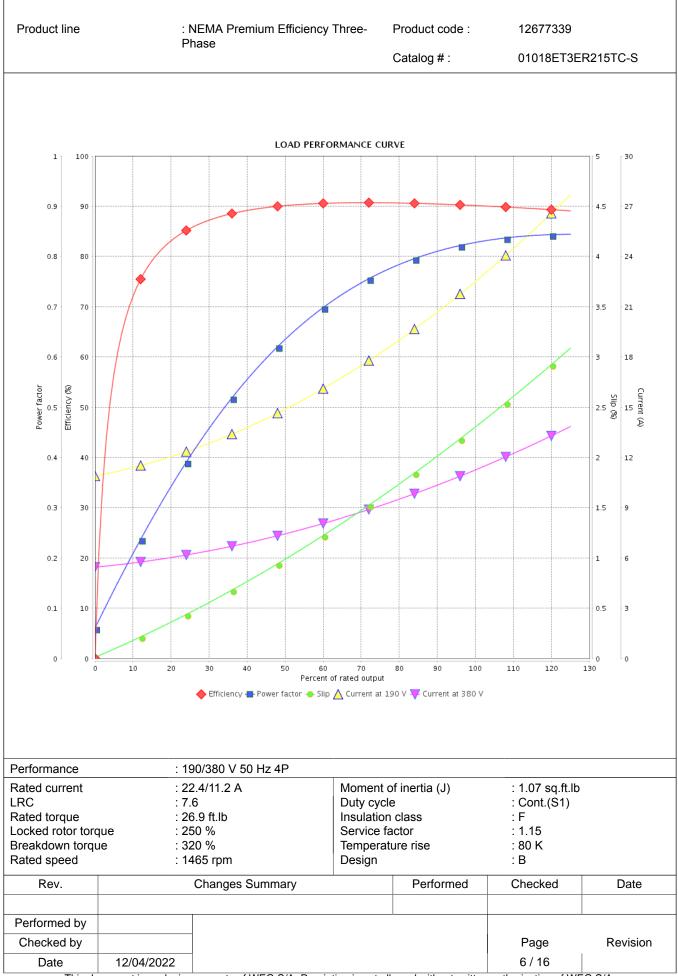
### LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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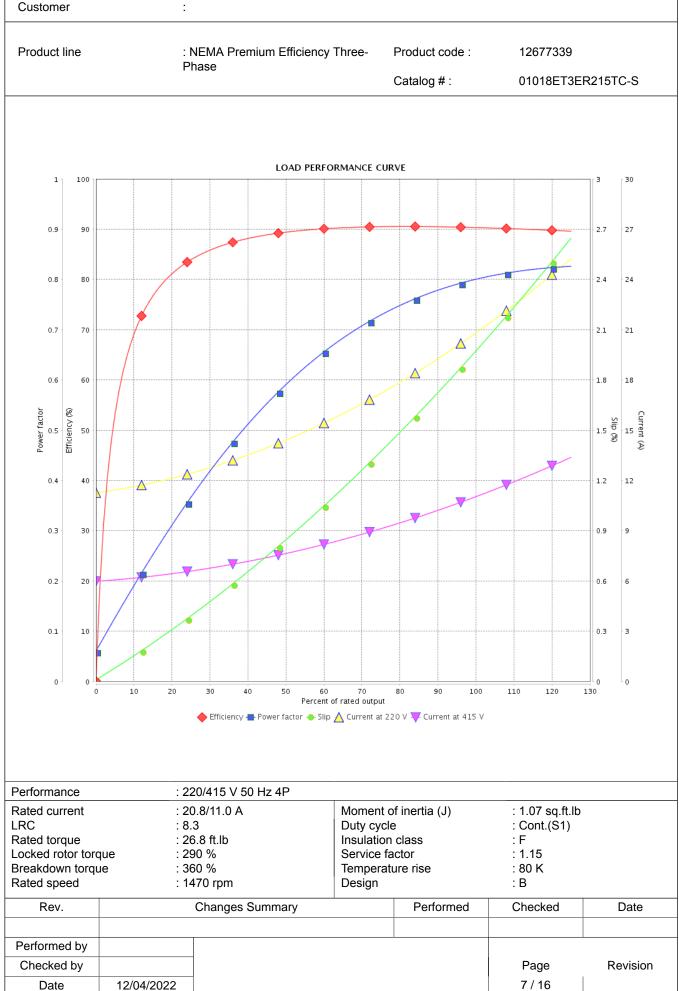
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

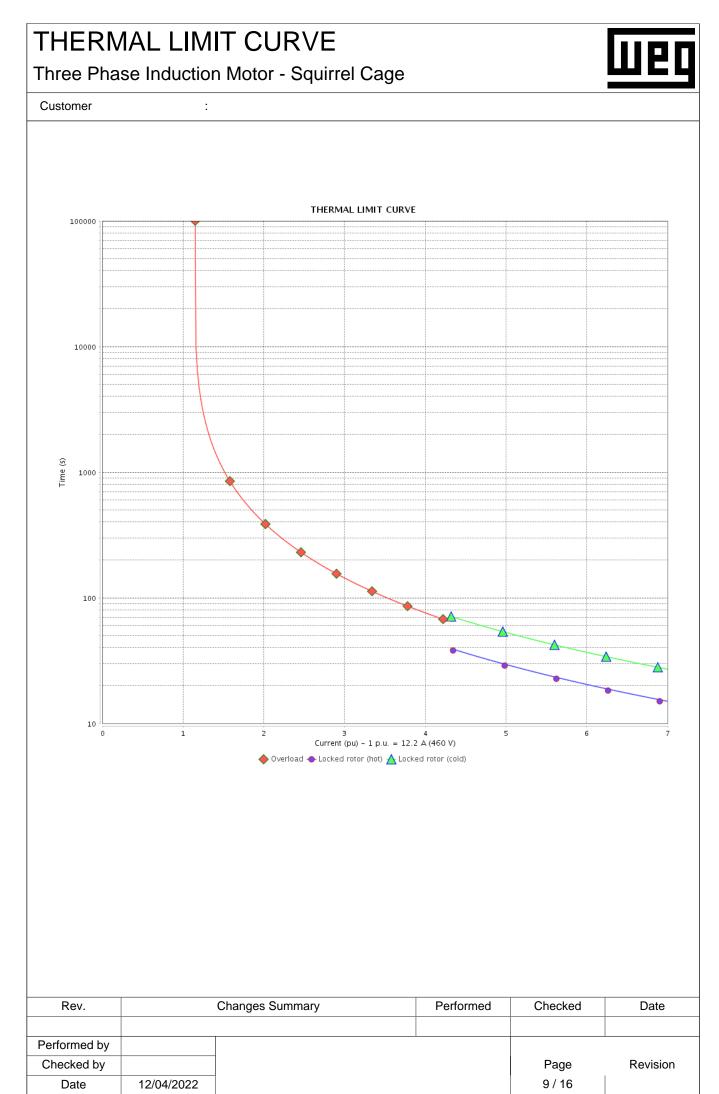
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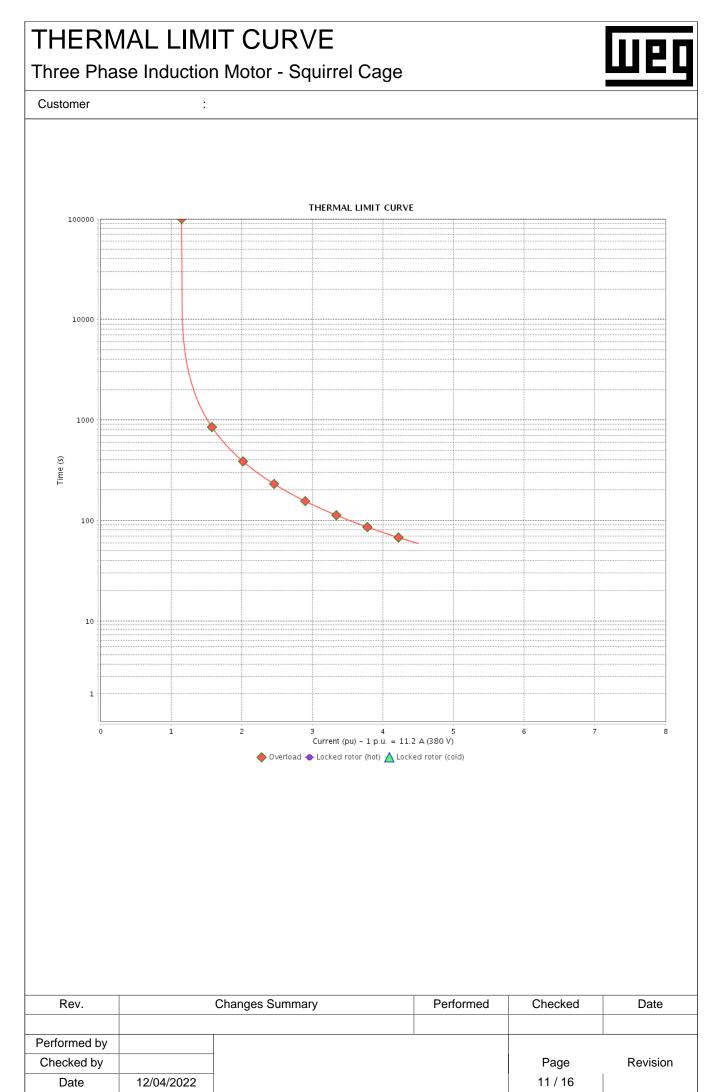
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	LIMIT CURVE		Шер
Three Phase In	duction Motor - Squirrel C	Cage	
Customer	:		
Product line	: NEMA Premium Efficiency Th	ree- Product code :	12677339
	Phase	Catalog # :	01018ET3ER215TC-S
Performance	: 230/460 V 60 Hz 4P	Annont of inartia (1)	· 1 07 og ft lb
Rated current LRC Rated torque	: 7.0	Aoment of inertia (J) Duty cycle nsulation class	: 1.07 sq.ft.lb : Cont.(S1) · F

LRC: 7Rated torque: 2Locked rotor torque: 2Breakdown torque: 3		4.4/12.2 A 9.8 ft.lb 50 % 00 % 760 rpm	Duty cycle Insulation Service fa	Duty cycle Insulation class Service factor Temperature rise Design		
Heating constan	t					
Cooling constant	t					
Rev.	Rev. Changes Summary			Performed	Checked	Date
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Date	12/04/2022				8 / 16	



THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage							
Customer	:						
Product line	: NEMA Premium Efficiency Three-	Product code :	12677339				
	Phase	Catalog # :	01018ET3ER215TC-S				
Performance Rated current	: 190/380 V 50 Hz 4P : 22.4/11.2 A Mome	nt of inertia (J)	: 1.07 sq.ft.lb				

			1			
Rated current: 22.4/11.2 ALRC: 7.6Rated torque: 26.9 ft.lbLocked rotor torque: 250 %Breakdown torque: 320 %Rated speed: 1465 rpm		6 5.9 ft.lb 50 % 20 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.07 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	t					
Cooling constant	t					
Rev. Changes Summary		Changes Summary		Performed	Checked	Date
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Date	12/04/2022				10 / 16	

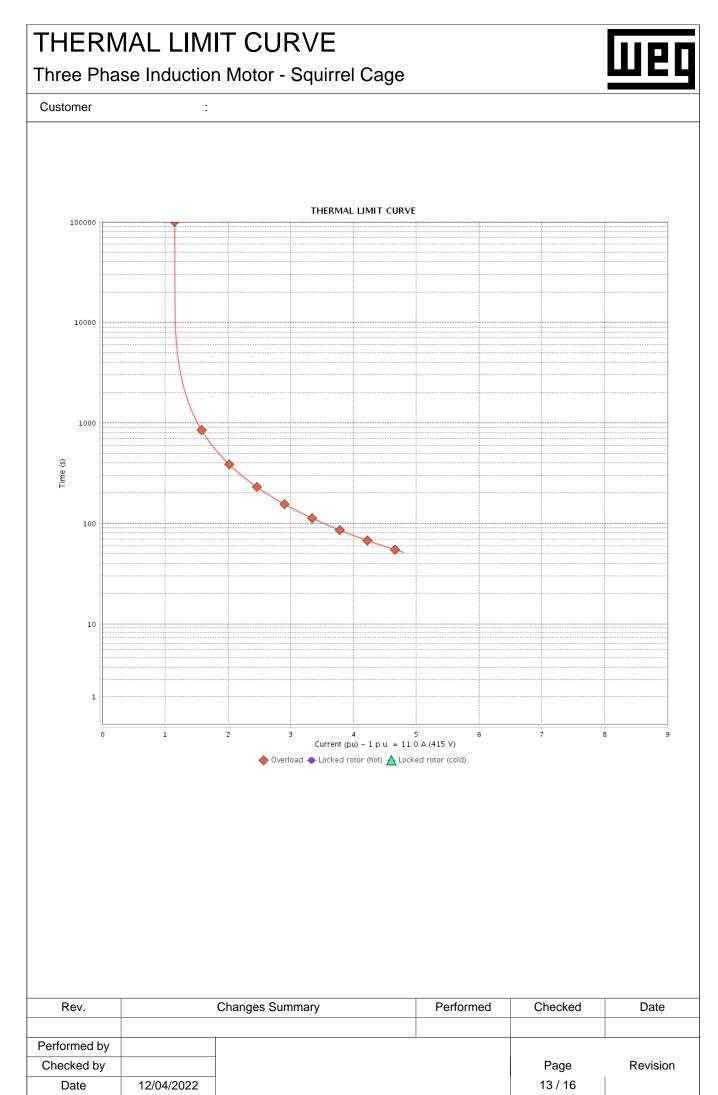


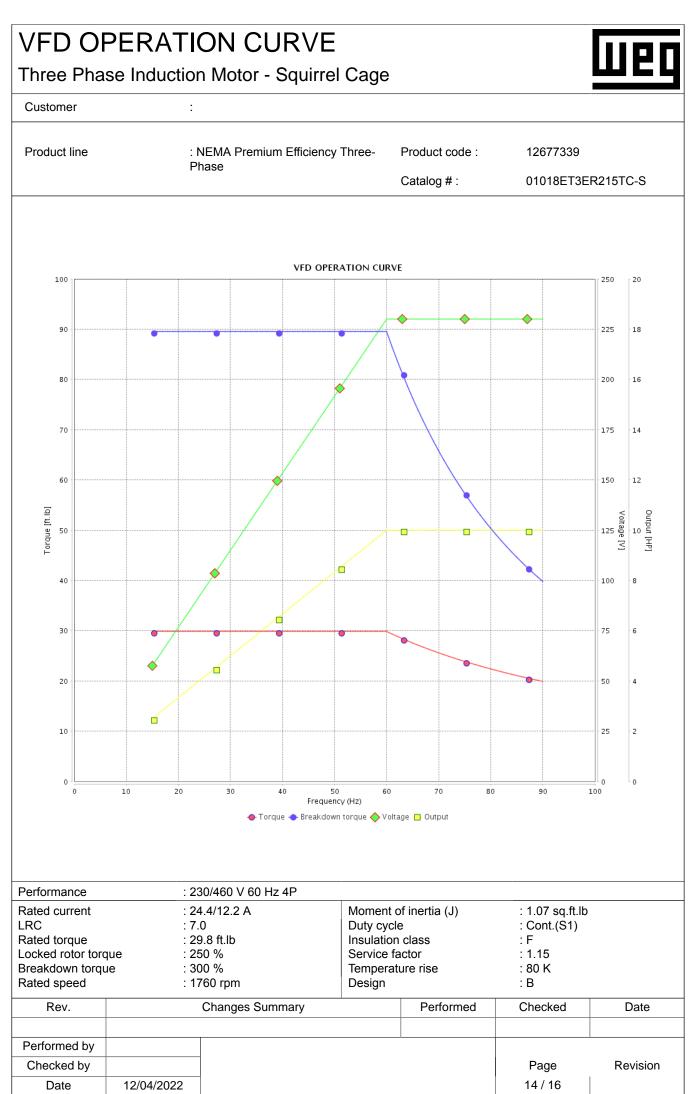
	LIMIT CURVE luction Motor - Squirrel C	Cage	Шео			
Customer	:					
Product line	: NEMA Premium Efficiency Th Phase	ree- Product code : Catalog # :	12677339 01018ET3ER215TC-S			
Performance	: 220/415 V 50 Hz 4P					
Rated current LRC Rated torque	: 20.8/11.0 A N : 8.3 E	Noment of inertia (J) Duty cycle nsulation class	: 1.07 sq.ft.lb : Cont.(S1) : F			
Locked rotor torque Breakdown torque	: 290 % 5 : 360 % 7	Service factor Temperature rise	: 1.15 : 80 K			

LUCKEU IUIUI IUIU	1u <del>c</del> . Z	90 /0			. 1.15	
		60 %Temperate470 rpmDesign		ure rise	: 80 K	
					: B	
Heating constant	t					
Cooling constant	t					
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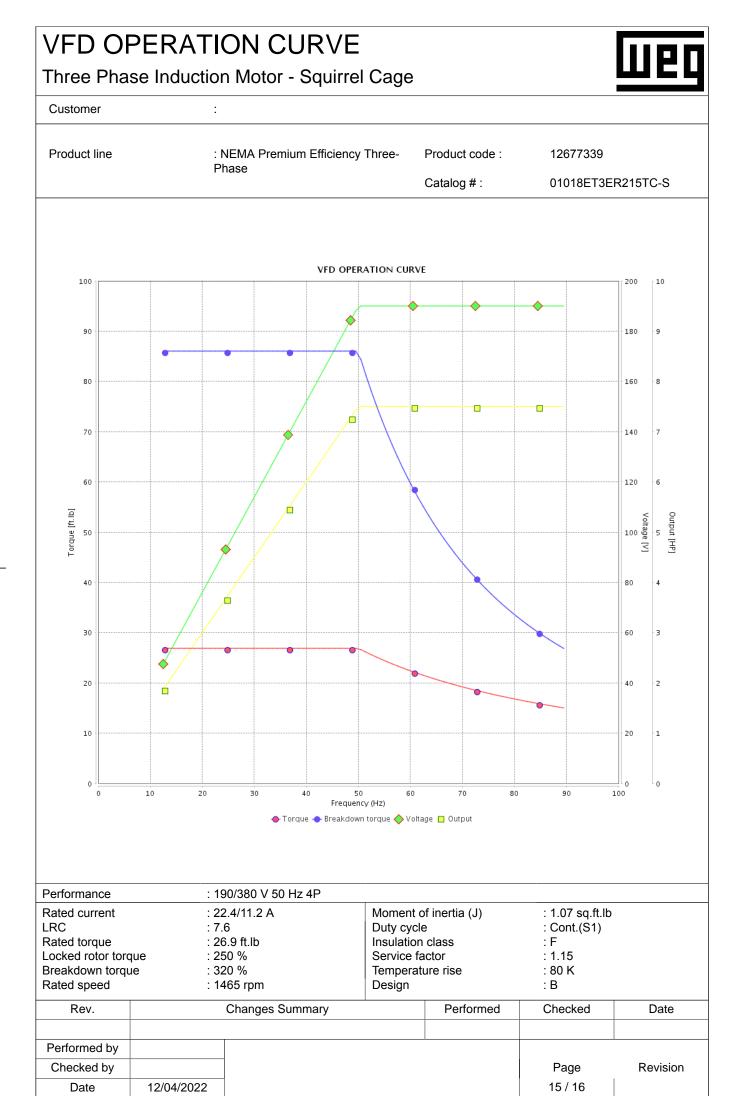
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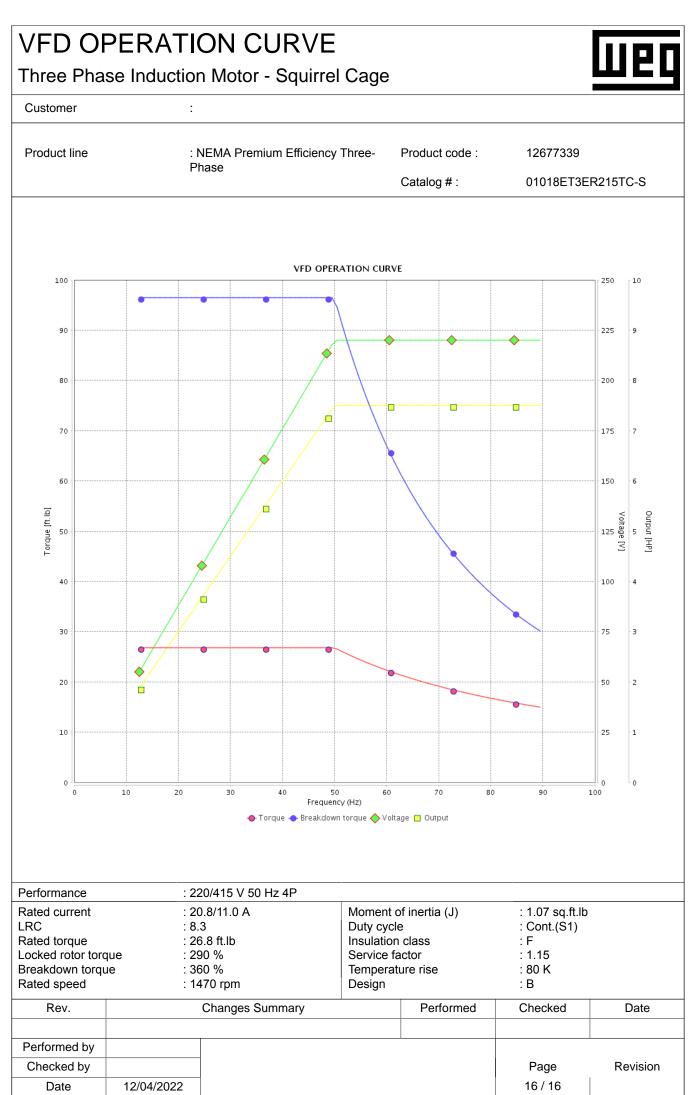




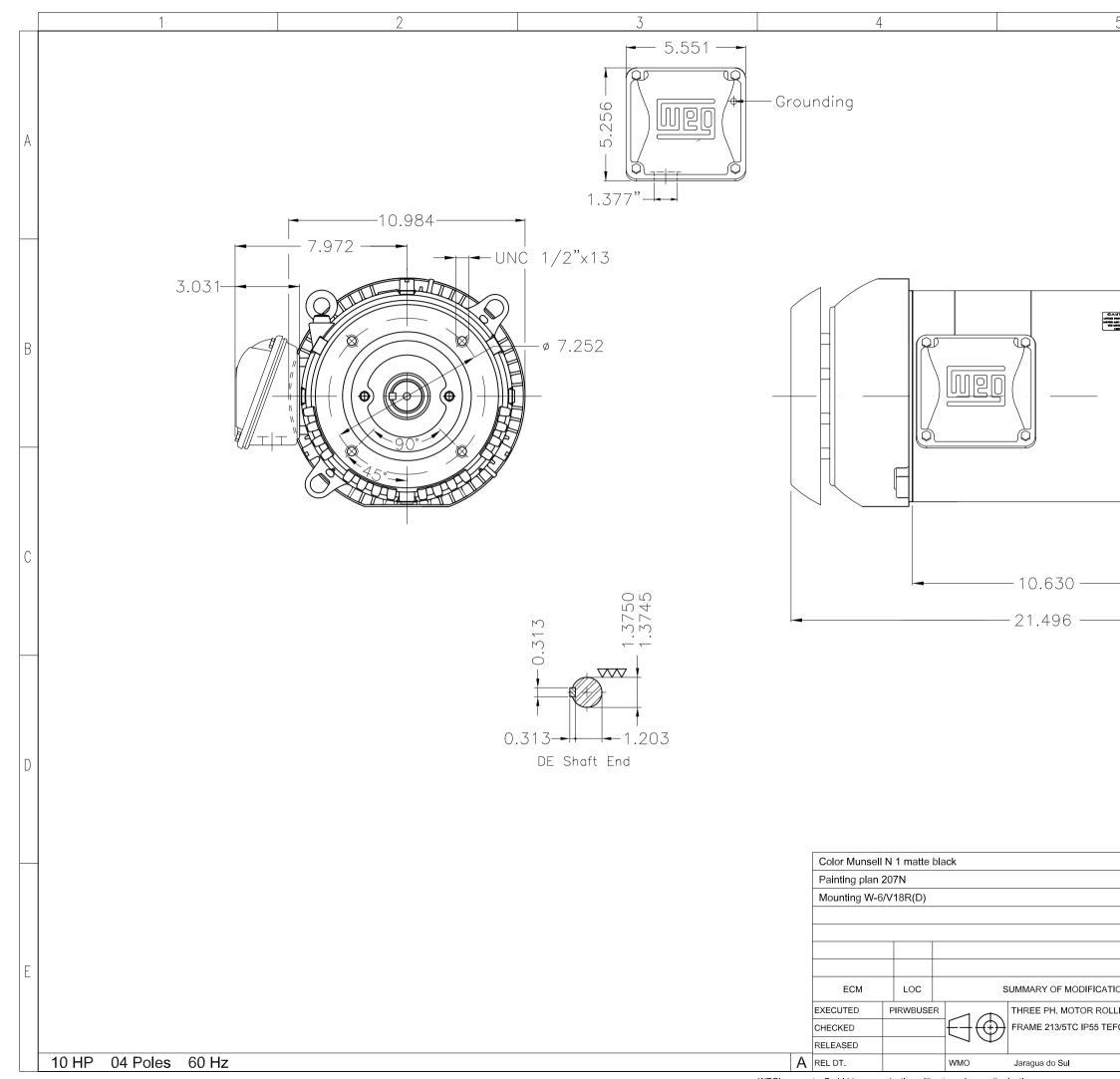
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	0.25	- 3.129 - 2.480 - 3.380	8 200		
					Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER
LED STEEL PREM. E		PREVI			
FC		WDD		Ше	
Produc	t Engineering	SHEET	1 / 1		XME

CONTERNATION CONTRACTOR CONTRACTO	For 60H2: Class I, Zone 2, IIC Class I, Div.2, Gr. A.B,C,D - T3 Div 2 Inverter Duty (5F1.00) CT 2:1/VT 1000:1		TERNATE RATING: 7.5HP 50Hz 190.220/390.415V SF1.15 22.420.8/11.2-10.8A 1485FPM EFF 90.1% (TEO: 100.34-1 For safe as-hyveric dity motor For 60H2 uso NVW 1000:1 VT,4:1 CT 50:safe safe safe safe store.ZZ [MOBIL POLYTERX EM	T T T T T T T T T T T T T T	Romanner eventual folge unit. den gent d'a terre d'a terre d'a mochre.
Por C	S	HP 10 kw 7.5 k 23460 V 230460 A 24.412.3 SFA 28.114.0 SF 1.15 PF 0.84 RPM 1760 NOM.ERA 91.7%	50Hz 190-220/380-41 1485RPM EFF 90.1% otor For 80Hz use on VPWN		INTERCHANGE ANY THO LIVE WIRES TO REVERSE THE ROTATION MARNING, MORT must be provided in accordance with local and national electrical codes to prever services electrical shocks. Disconnect power source before servicing unit. ADMINISSEMENT: In noteward set with a "batter to conforminent aux codes electriques locaux et métraden de la machine choc évertique grave. Déconnecter l'alimentation avant l'entreden de la machine
UED REMA	9 CC029A NN S/N: S/N:	Hz 60 s.I IP55 DES B CODE H 27.0A	1NG: 7.5HP 2-10.9A 14 Inverter duty mo ODE 6206-2Z		BE ANY TWO LINE WIF S: Motor must be gro ational electrical cod cks. Disconnect pow AVERTISSEMENT: L odes électriques loc e. Déconnectez l'allin
	MADE IN MEXICO MAT: 12677339 CC029A W01:TE0ICOXON WODEL 01018ET3ER215TC-S 21APR2022 S/N:	PH         3         Hz 6(         6(         7()         100	ALTERNATE RATING: 22.4-20.6/11.2-10.9A For safe area-Inverter DE 6208-ZZ ODE		INTERCHANK WARNINK and n and n shot conformément aux c choc électrique grave