DATA SHEET

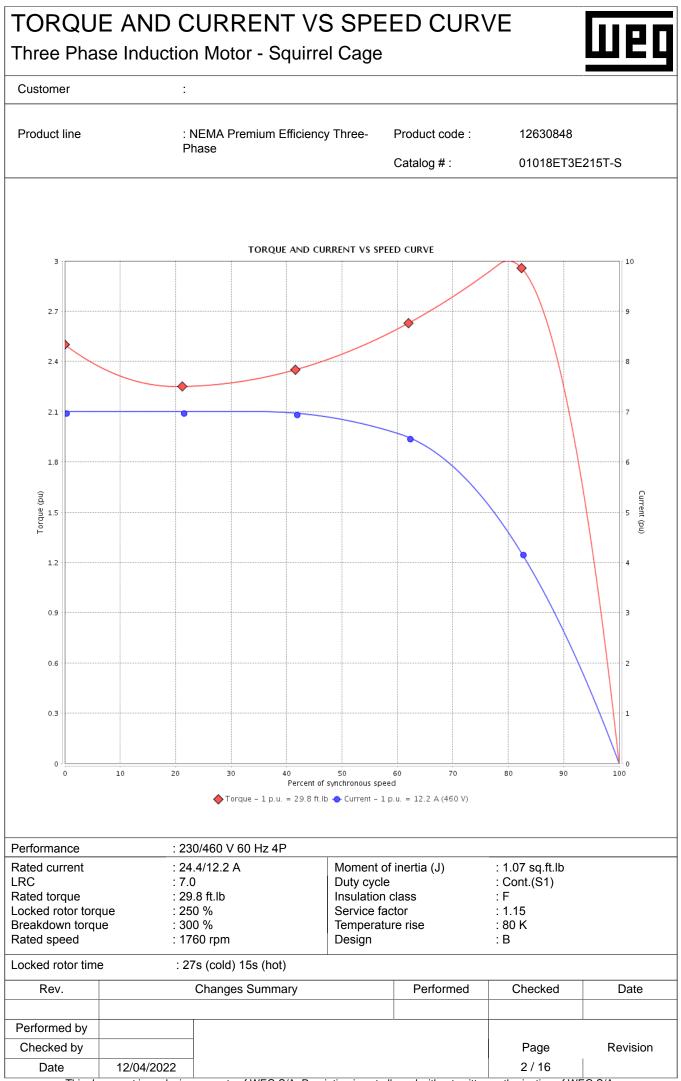
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line			ium Efficiency T	hree-	Product code :	12630848		
		Phase			Catalog # :	01018ET3E	01018ET3E215T-S	
Frame		: 213/5T		Cooling		: IC411 - TE	FC	
Insulation class		: F		Mountin		: F-1		
Duty cycle		: Cont.(S1)		Rotatior		: Both (CW		
Ambient tempera	ature	: -20°C to +40		Starting		: Direct On I	Line	
Altitude		: 1000 m.a.s.	l.	Approx.		: 127 lb		
Protection degre Design	e	: IP55 : B	: IP55 : B		of inertia (J)	: 1.07 sq.ft.l	b	
Dutput [HP]		1	10		7.5		7.5	
oles			4		4		4	
requency [Hz]			60		50		50	
Rated voltage [V]		230	/460		190/380	22	20/415	
ated current [A]		24.4	24.4/12.2		22.4/11.2	20	.8/11.0	
L. R. Amperes [A]		171	/85.4		170/85.1	17	2/91.3	
LRC [A]		7.0x(C	Code H)	7.6x(Code J)		8.3x	(Code K)	
No load current [A]			/5.54		10.9/5.46		.3/5.97	
ated speed [RPN			760		1465		1470	
Slip [%]	1		22		2.33		2.00	
Rated torque [ft.lb]	1		9.8		26.9		26.8	
ocked rotor torqu			50		250		290	
Breakdown torque					320		360	
Service factor	• [/º]	300 1.15			1.15		360 1.15	
		80 K			80 K		80 K	
emperature rise			27s (cold) 15s (hot)					
ocked rotor time				US	(cold) 0s (hot)		d) 0s (hot)	
Noise level ²			60.0 dB(A) 90.2		57.0 dB(A)		0 dB(A)	
Efficiency (%)	25%				90.4		89.3	
	50%		91.0		90.1		89.4	
	75%		1.0		90.7		90.5	
	100%		91.7		90.1		90.3	
	25%		41		0.38		0.34	
Power Factor	50%		0.67		0.64		0.59	
i owei i detoi	75%	0.	0.78		0.76		0.73	
	100%	0.	0.84		0.83		0.80	
Bearing type		<u>Drive end</u> : 6208 ZZ	Non drive end 6206 ZZ			· 191 lb		
				Max. traction Max. compression		: 481 lb		
Sealing		: V'Ring	Without Bearing Seal	wax. cor	11016221011	: 607 lb		
Lubrication interv	val	: -	-					
Lubricant amoun	it	: -	-					
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	ed. Iotor from the	shaft end.				based on tests wi tolerances stipu		
(2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	weight subjeo ocess.							
Rev.		Changes S	ummary		Performed	Checked	Date	
Deuteure - d bui								
Performed by								
Checked by						Page	Revision	
Date	12/04/202	2				1 / 16		
						authorization of W/E		



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

TORQUE AND CURRENT VS SPEED CURVE

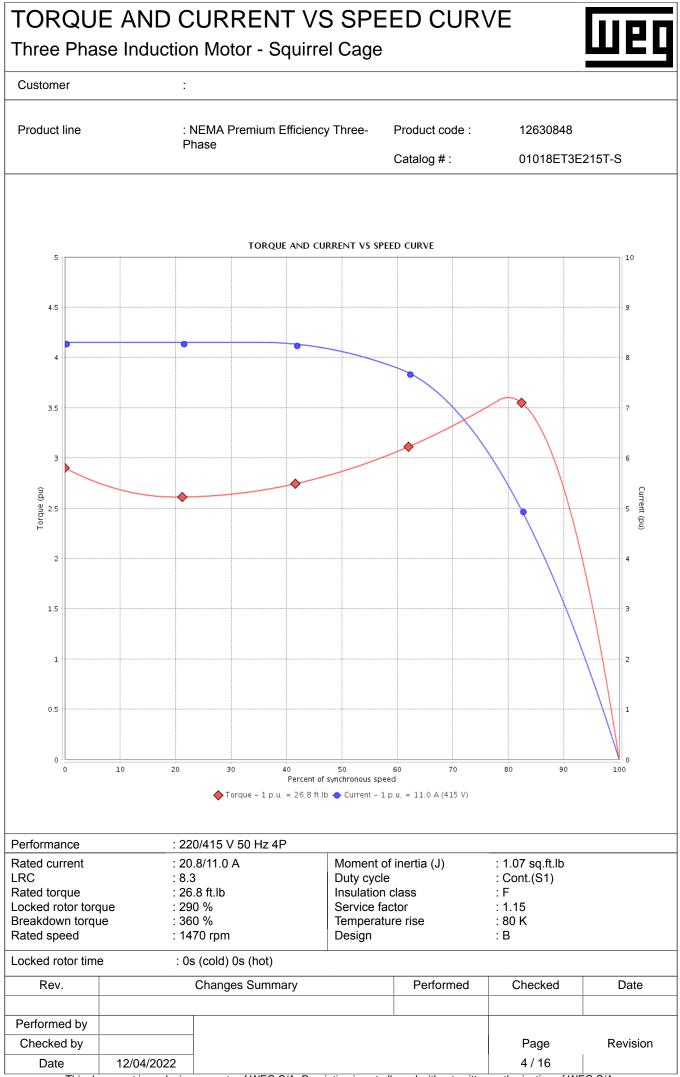
Three Phase Induction Motor - Squirrel Cage

:





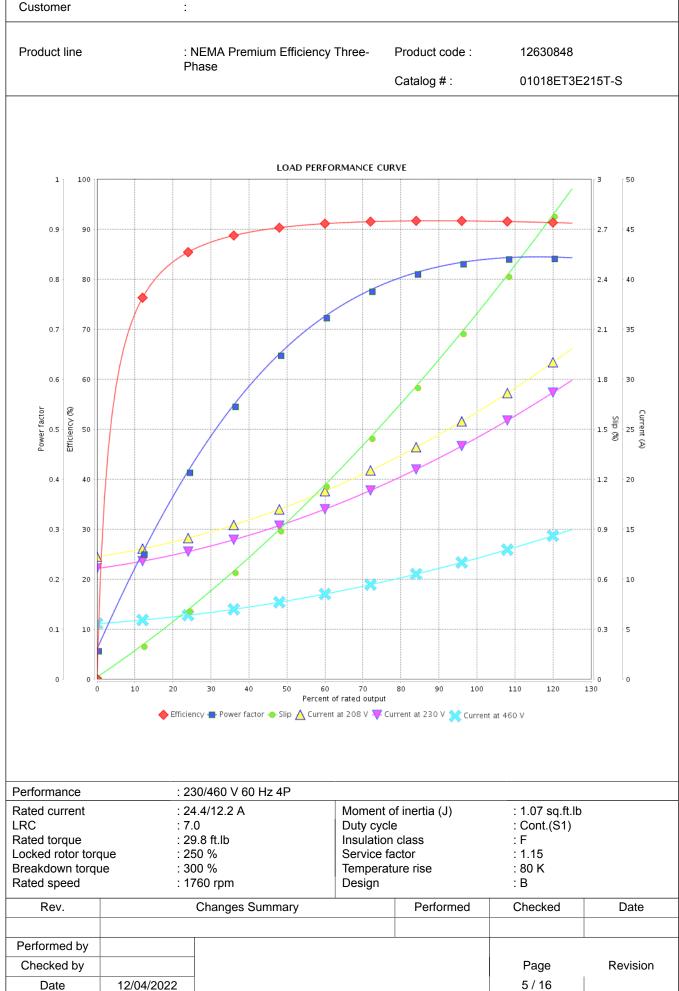
Product line	: NEMA Premium Efficiency Phase		Product code : Catalog # :	12630848 01018ET3E2	215T-S
	TORQUE AND CUR	RENT VS SPEE	D CURVE		
5					10
4.5					
4					8
		+			
3.5 -					7
3 -					6
n d				\setminus	Curre
nd an 2.5					Current (pu)
2					4
1.5					3
1					
1					
0.5					
0.5					
0					
0 10	20 30 40 Percent of s	50 (ynchronous speed	50 70	80 90	100
	♦ Torque - 1 p.u. = 26.9 ft.lb	🔶 Current – 1 p.	u. = 11.2 A(380 V)		
erformance ated current	: 190/380 V 50 Hz 4P : 22.4/11.2 A	Moment of	inertia (I)	: 1.07 sq.ft.lb	
RC	: 7.6	Duty cycle		: Cont.(S1)	
ated torque ocked rotor torque	: 26.9 ft.lb : 250 %	Insulation c Service fac	tor	: F : 1.15	
Breakdown torque Rated speed	: 320 % : 1465 rpm	Temperatur Design	e rise	: 80 K : B	
ocked rotor time	: 0s (cold) 0s (hot)	5			
Rev.	Changes Summary		Performed	Checked	Date
Performed by				Derr	Devisio
Checked by	04/2022			Page 3 / 16	Revision



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

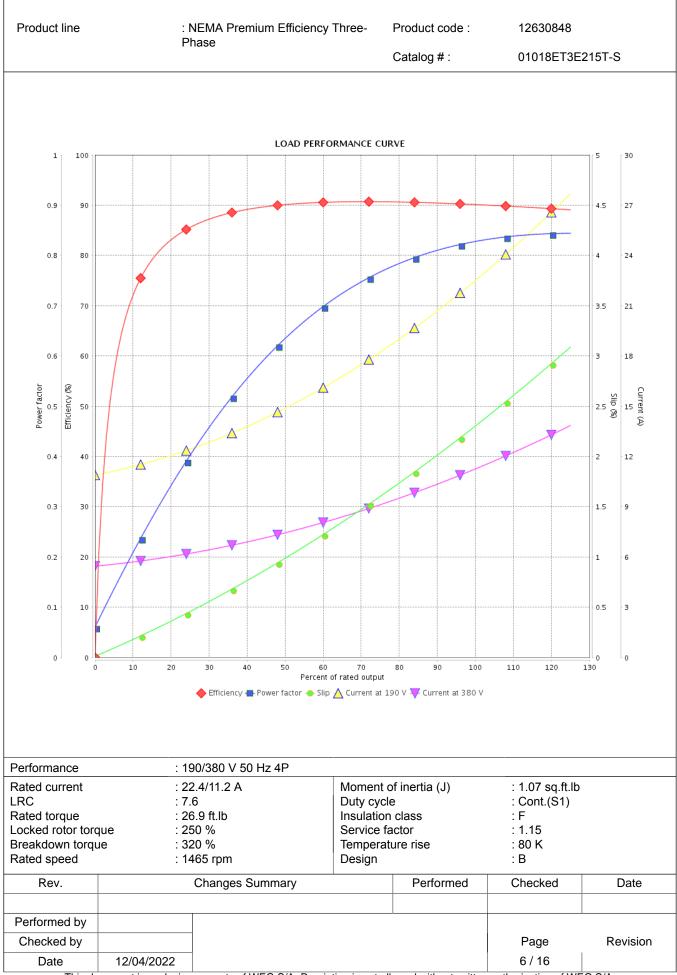
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:



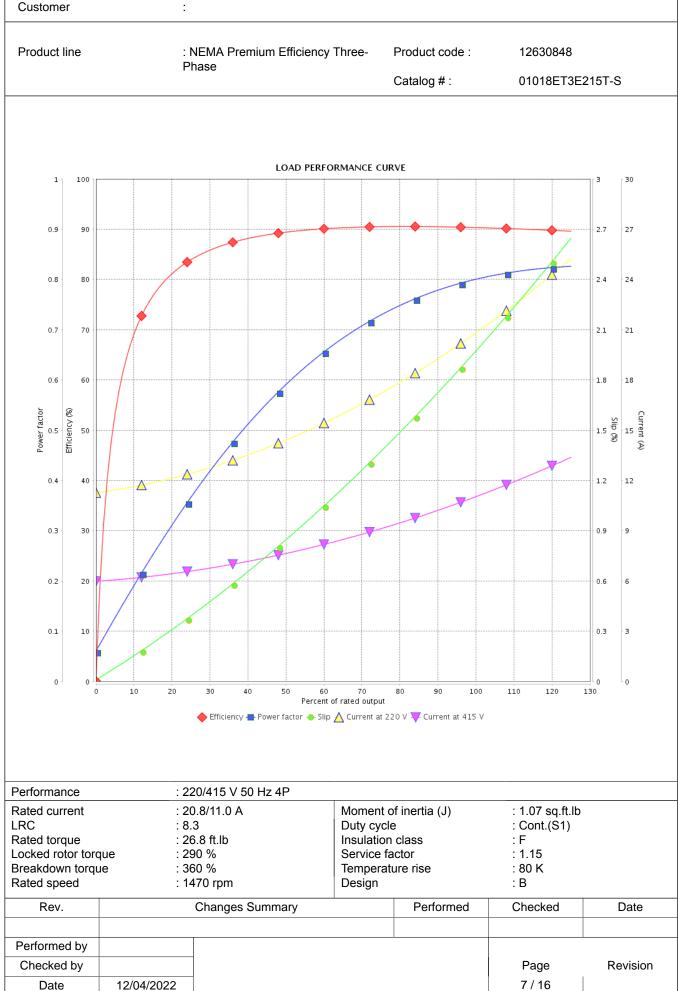
Customer



LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

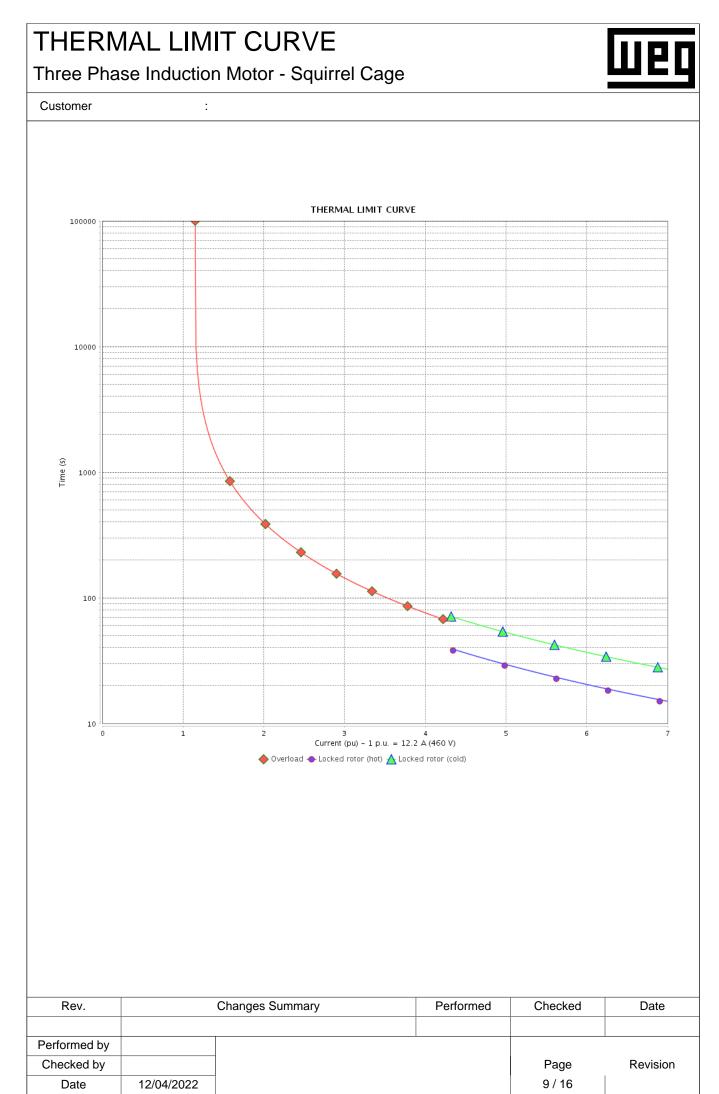
Customer



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

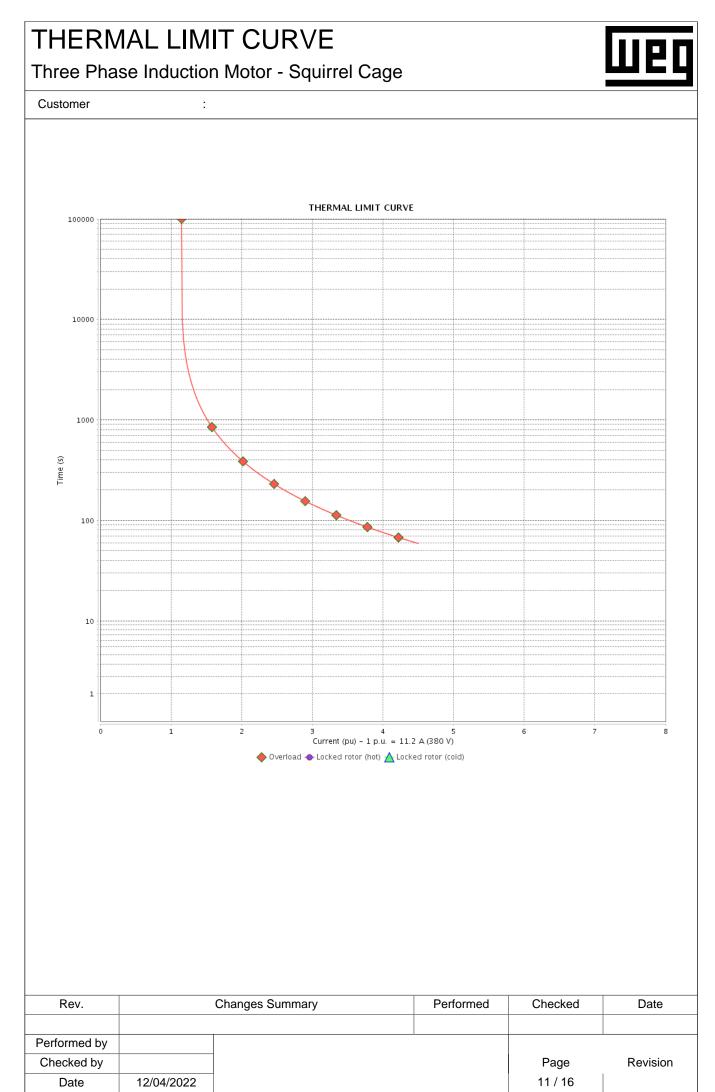
THERMAL	. LIMIT CURVE		lien
Three Phase Ir	nduction Motor - Squirrel Cage)	шсч
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12630848
	Thate	Catalog # :	01018ET3E215T-S

Performance	:2	230/460 V 60 Hz 4P				
Rated current	Rated current : 24.4/12.2 A		Moment of inertia (J)		: 1.07 sq.ft.lb	
LRC	: 7	7.0	Duty cycle		: Cont.(S1)	
Rated torque : 29.8 ft.lb		Insulation class		:F		
Locked rotor toro	que :2	250 % Service factor		ctor	: 1.15	
Breakdown torqu	.e :3	300 %	Temperature rise		: 80 K	
Rated speed	: 1	1760 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision
Date	12/04/2022				8 / 16	



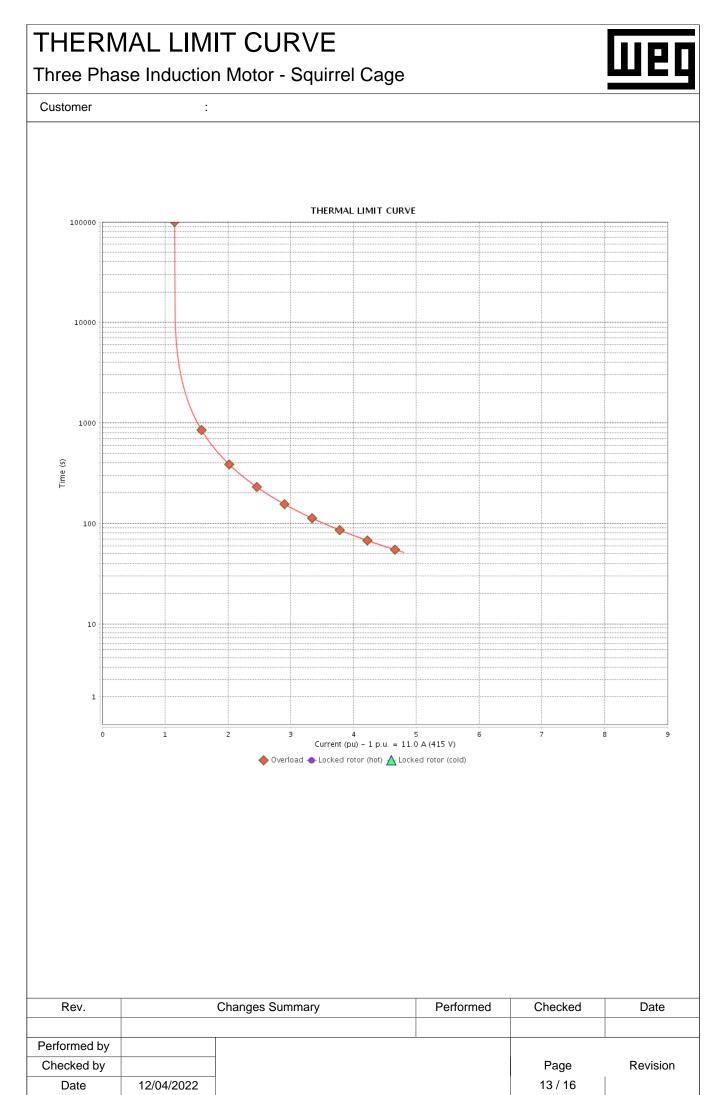
Three Phase Induc	tion Motor - Squirrel Cage	•	шеч			
Customer	:					
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12630848			
	Thase	Catalog # :	01018ET3E215T-S			

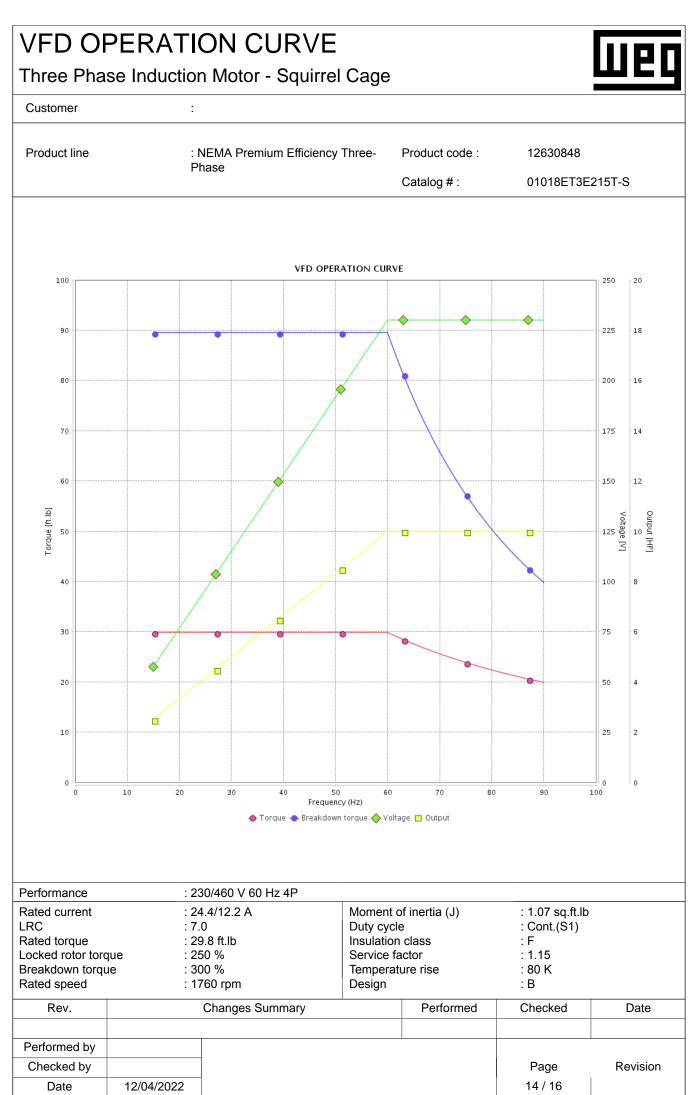
Performance	: 1	90/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7 : 2 jue : 2 ie : 3	22.4/11.2 A C.6 26.9 ft.lb 250 % 220 % 465 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.07 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				10 / 16	



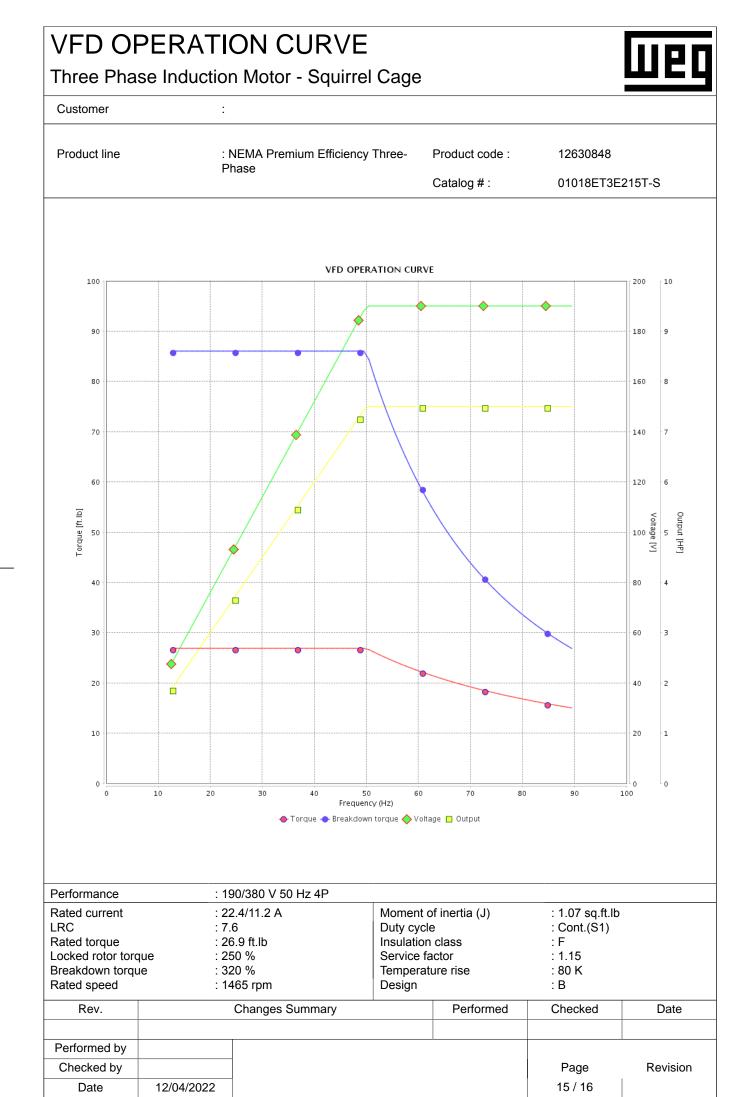
Three Phase Induct	ion Motor - Squirrel Cage					
Customer	:					
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12630848			
		Catalog # :	01018ET3E215T-S			

Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 20.8/11.0 A : 8.3 : 26.8 ft.lb : 290 % : 360 %	Duty cycle Insulation	class	: 1.07 sq.ft.lb : Cont.(S1) : F	
	: 8.3 Duty of the second s		Duty cycle : Cont.(S1)		
Heating constant	·				
Cooling constant					
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date 12/04/	/2022			12 / 16	

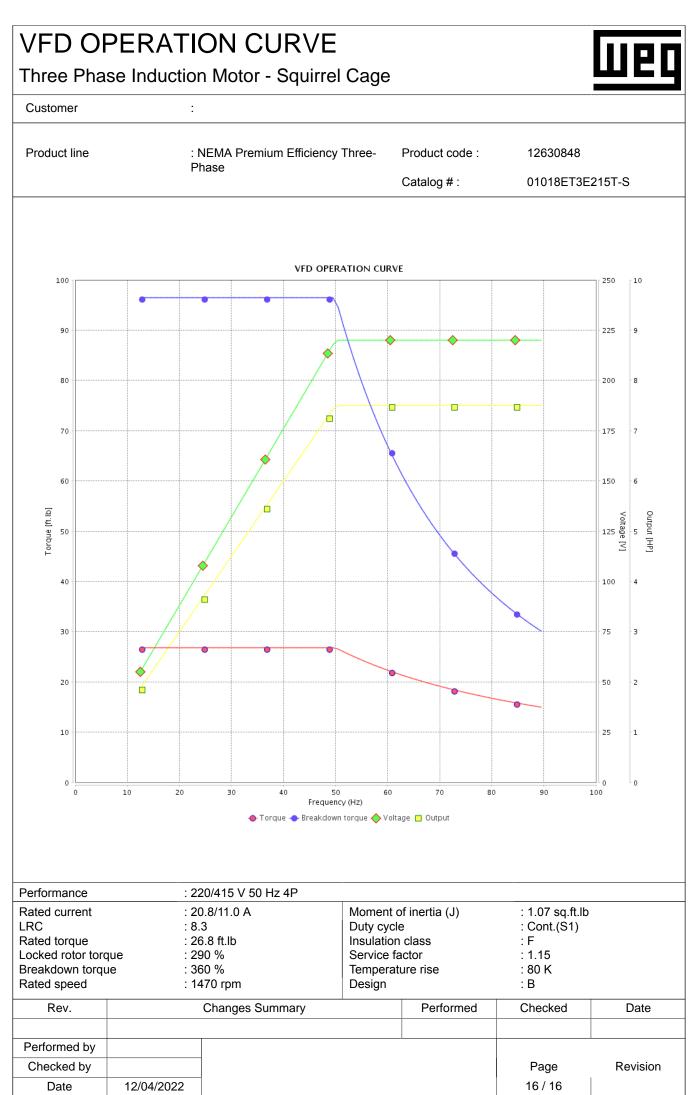




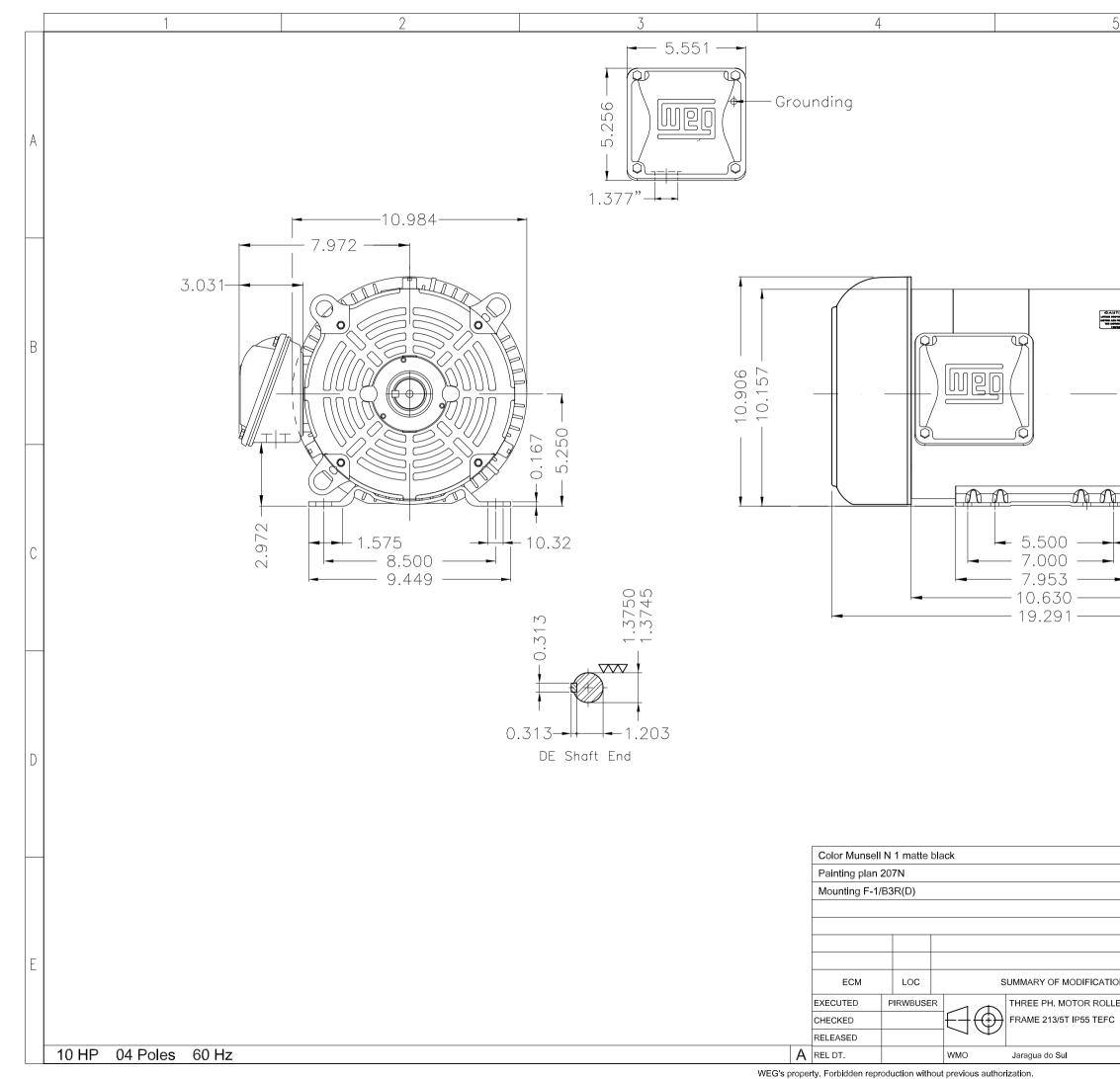
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



5			6			
		- 2.480			Dimensions in inches	
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
LED STEEL PREM. EF	FF.	PREVI WDD	EW	ШР	XMF A3	
Floauct	Logineening		· / ·] ×	:

COUSTED COUSTED COUSTED COUSTER	For 60H2: Class I, Zone 2, IIC Class I, DN2, Gr. A.B.G.D. 73 DN 2 Inverte Duty (5F1.00) CT 2:1/YT 1000:1	10 27.55 24.1450 24.11540 24.1144.0 0.34 0.34 1760 1760	: 190-220/380-415V SF1.15 PM EFF 90.1% (IES) IEC 60034-1 or 60Hz use on VPWM 1000:1 VT, 4:1 CT MOBIL POLYREX EM		VERSE THE ROTATION coordence with local The before servicing unit.
	MADE IN MEXICO MAT: 12630848 CC029A W01.TEDICOXON 22APR2022 S/N: 22APR2022 S/N:	PH 3 Hz 60 HP 10 FR 213/97 MX 7 24 26 26 24 26 26 24 26 26 24 26 26 26 24 26 26 26 24 26 26 24 26	ALTERNATE RATING: 7.5HP 50Hz 100-220/380-415V SF1 22-420.001-12-10.5A 1486RHz EF 501-15A (EE) EEC FOT 620-690-11-12-10.5A (EE) ED)HZ US 00 (PPWM 1000-11/T DE 6208-2Z DOE 6206-2Z MOBIL POLYREX EM	W T T T T T OW T T T T T OW T T T T T VOL T T T T T VOL T T T T	INTERCHANGE ANY TWO LINE WRES TO REVERSE THE ROTATION MARNING: MORTINEL BOTOMICAL BOOKS TO REVEAL FOR ANY and national electrical codes to prevent revious electrical shocks. Disconnect power source before servicing unit. AMERIPSEMENT: La mode under due the and sha terre conforminent arx codes electriques locaux stan d'avier tout choce electrique grave. Deconnecter 1'allimentation areant l'entreden de la macilite.