DATA SHEET

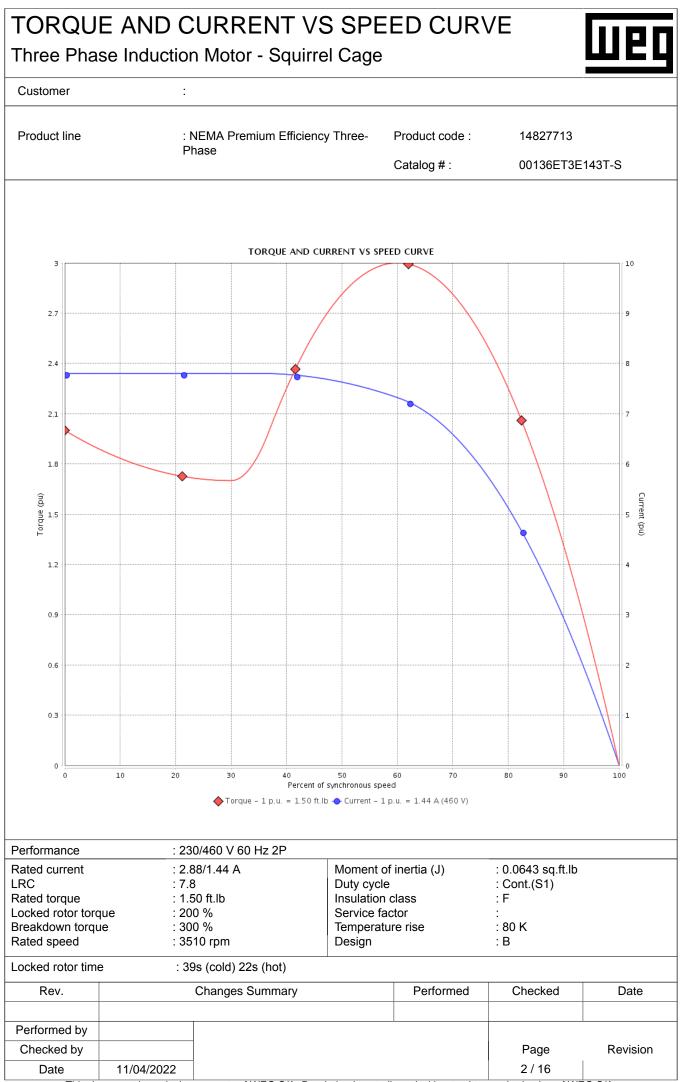
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficiency Th Phase		Product code :	14827713		
		. 11000		Catalog # :	00136ET3E1	43T-S	
Frame Insulation class Duty cycle Ambient temperature		: 143/5T : F : Cont.(S1) : -20°C to +40°C		oling method unting tation ¹ ırting method	: F-1 : Both (CW a	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line	
Altitude Protection degree Design		: 1000 m.a.s.l. : IP55 : B		prox. weight ³ ment of inertia (J)	: 26.4 lb : 0.0643 sq.ft.lb		
Output [HP]		1		1		1	
Poles		2		2		2	
Frequency [Hz]		60		50		50	
Rated voltage [V]		230/460		190/380		220/415	
Rated current [A]		2.88/1.44		3.26/1.63		3.02/1.60	
L. R. Amperes [A]		22.5/11.2		20.9/10.4		3/11.0	
LRC [A]	_	7.8x(Code K)		6.4x(Code H)		Code J)	
No load current [A		1.40/0.700		1.55/0.775		/0.876	
Rated speed [RPN	/]	3510		2885		2900	
Slip [%]		2.50		3.83		3.33	
Rated torque [ft.lb]		1.50		1.82		1.81	
Locked rotor torqu		200		170		200	
Breakdown torque	[%]	300		260	290		
Service factor				1.15		.15	
Temperature rise		80 K		80 K		0 K	
Locked rotor time		39s (cold) 22s (hot)		0s (cold) 0s (hot)		l) 0s (hot)	
Noise level ²		68.0 dB(A)		65.0 dB(A)	65.0	dB(A)	
	25%	70.4		76.8		5.0	
Efficiency (0/)	50%	72.0		77.0	7	5.8	
Efficiency (%)	75%	77.0		79.5	7	9.3	
	100%	78.5		79.2		9.7	
	25%	0.40		0.43		.38	
-	50%	0.65		0.71		.66	
Power Factor	75%	0.76		0.82		.78	
	100%	0.83		0.88		.85	
Bearing type	1	<u>Drive end</u> <u>Non dri</u> : 6205 ZZ 620	0 77	ndation loads	: 32 lb		
Sealing		5	hout Max ng Seal	c. compression	: 58 lb		
Lubrication interv Lubricant amoun		: - : -	-				
Lubricant type		: Mobil Polyrex E	M				
Notes USABLE @208V	3.19A SF 1.0	00 SFA 3.19A					
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with to veight subjec ocess.	icel the previous one, wh shaft end. olerance of +3dB(A). t to changes after		se are average values b rer supply, subject to the -1.			
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with to veight subjec ocess.	shaft end. olerance of +3dB(A).	pow	er supply, subject to the			
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. lotor from the Im and with to veight subjec ocess.	shaft end. olerance of +3dB(A). t to changes after	pow	rer supply, subject to the	tolerances stipula	ated in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with to veight subjec ocess.	shaft end. olerance of +3dB(A). t to changes after	pow	rer supply, subject to the	tolerances stipula	ated in NEMA	



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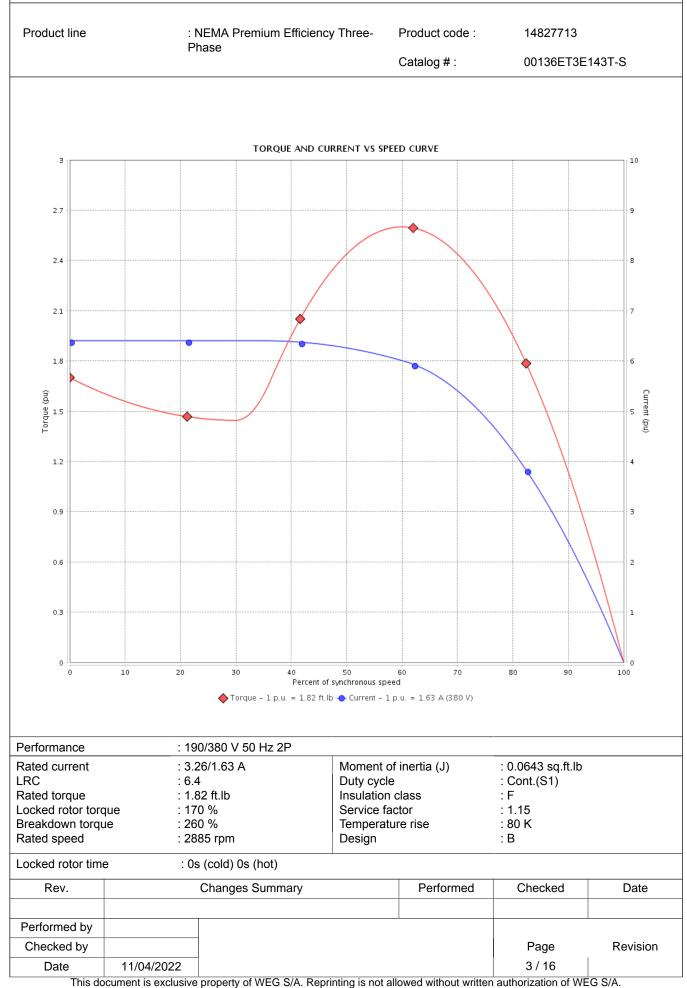
TORQUE AND CURRENT VS SPEED CURVE

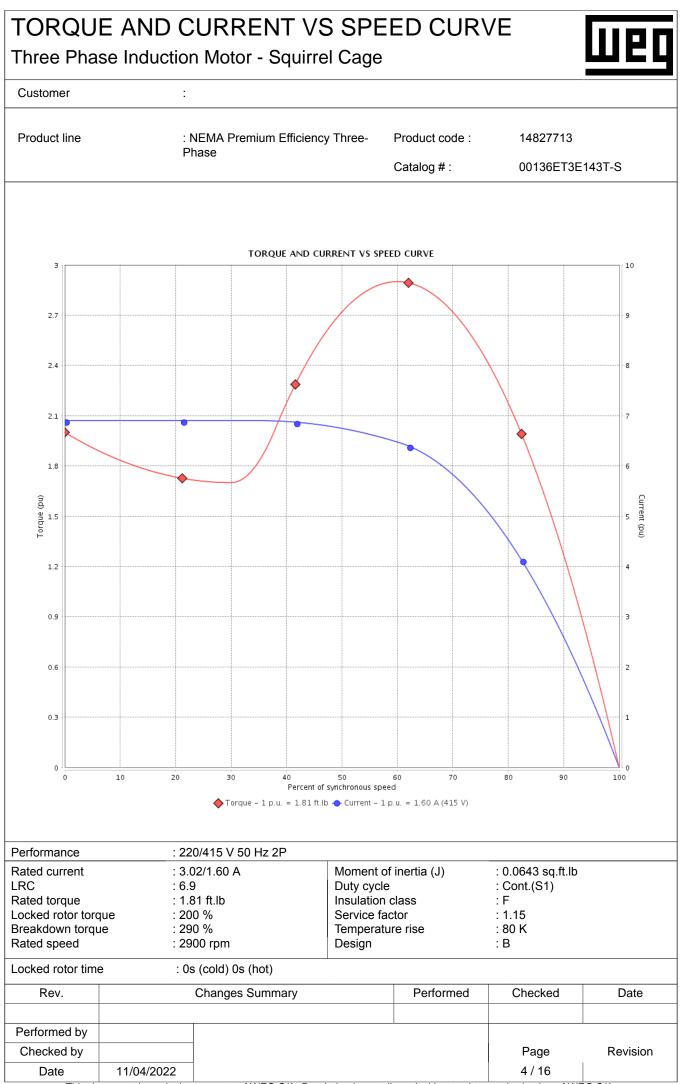
Three Phase Induction Motor - Squirrel Cage

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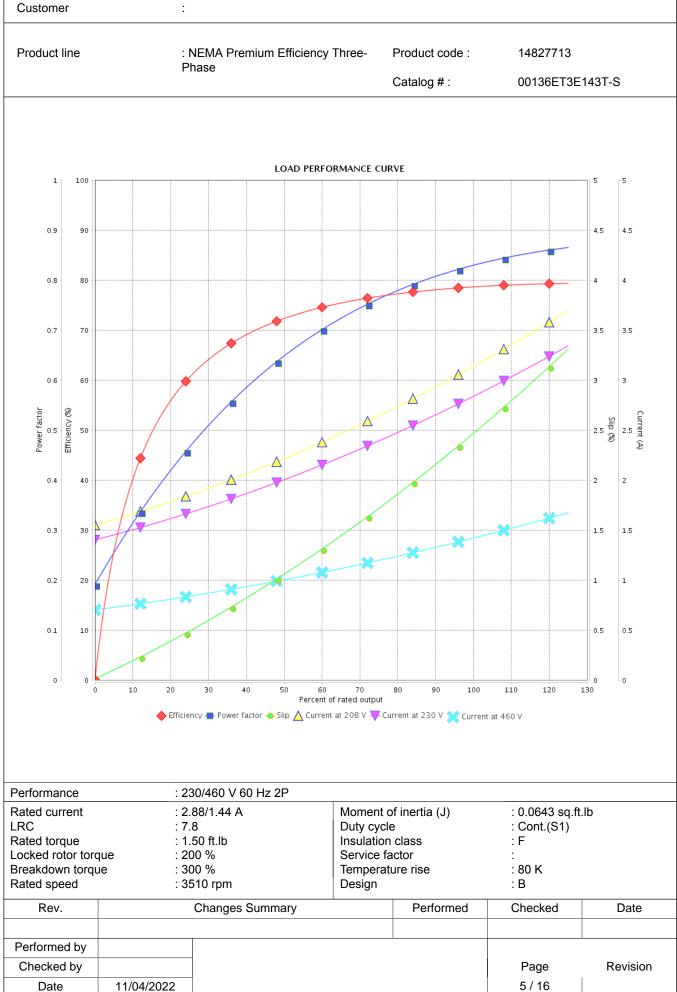




LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



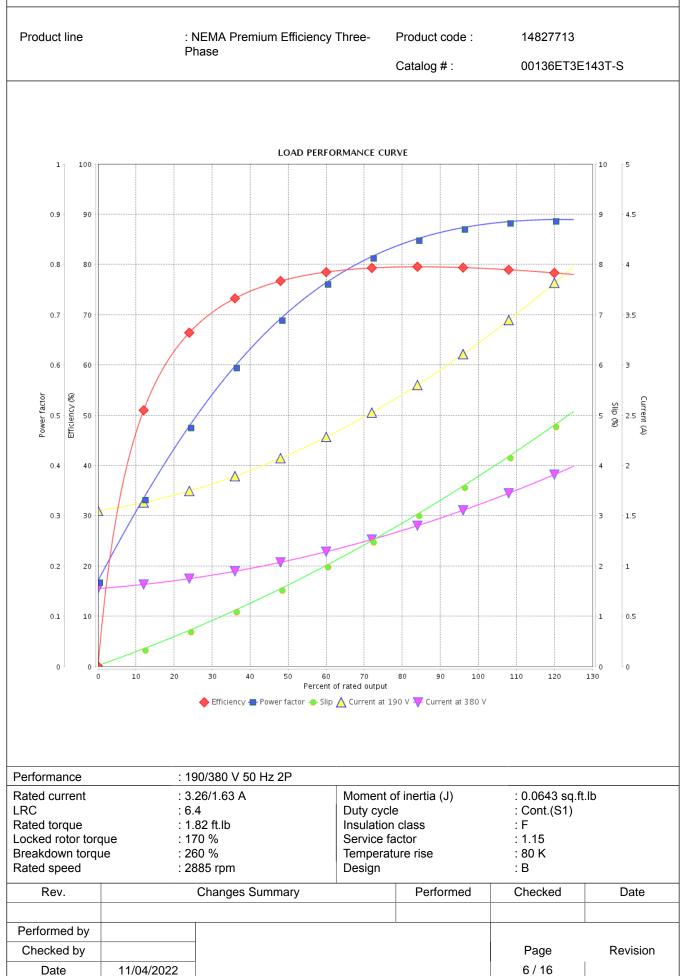
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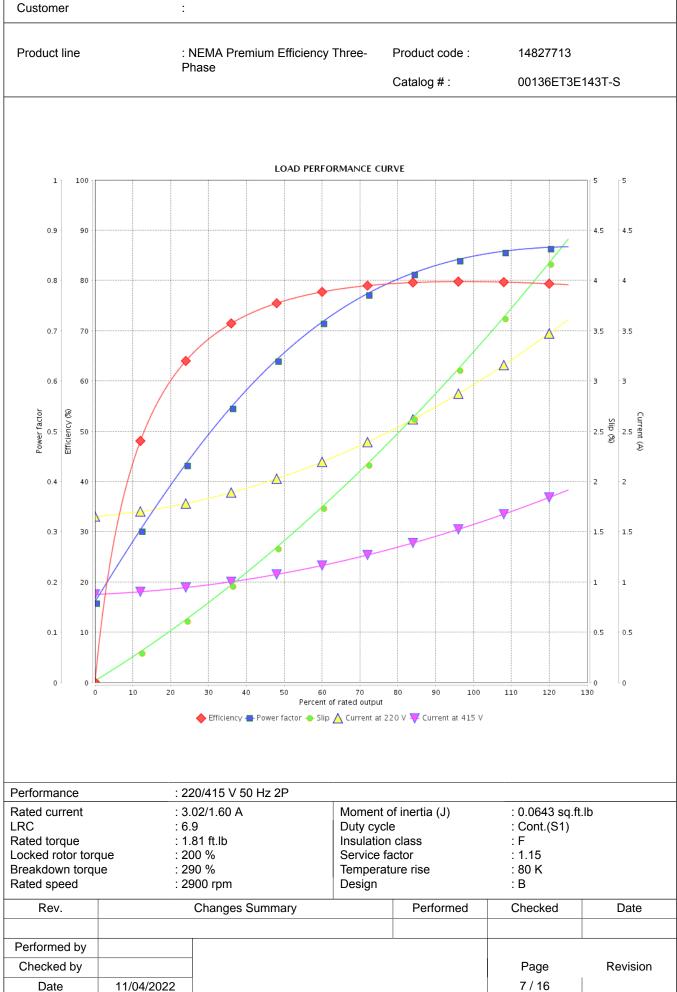




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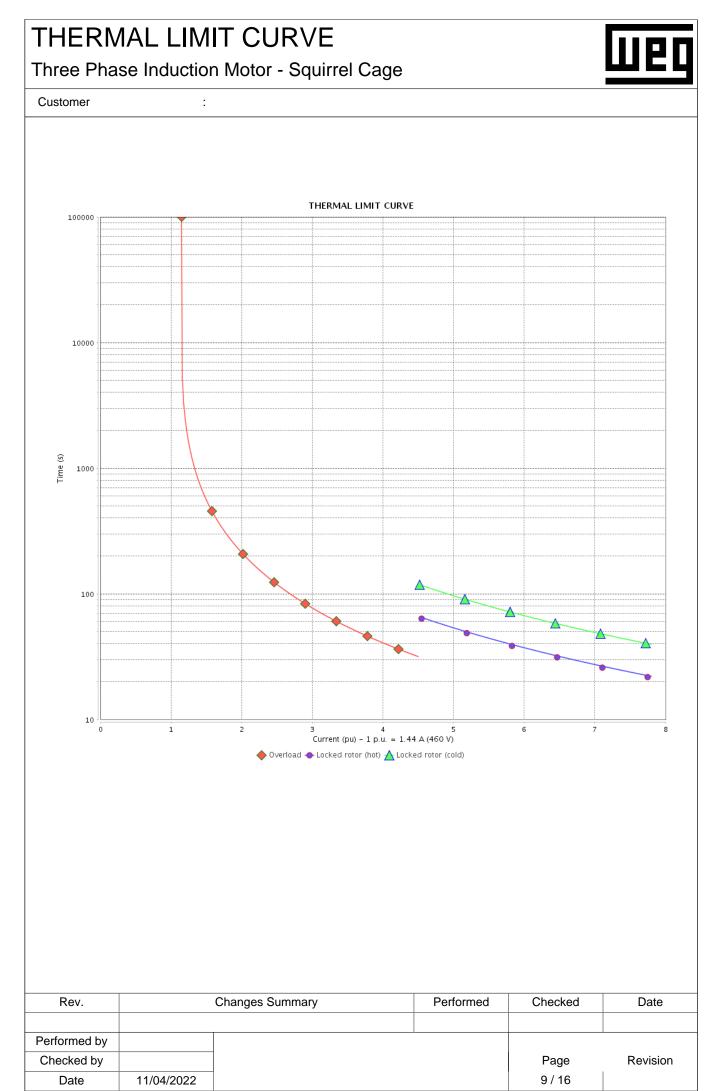
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: NEMA Premium Efficiency	Three-	Product code :	14827713	
		Phase		Catalog # :	00136ET3E1	43T-S
Performance		230/460 V 60 Hz 2P				
Rated current		2.88/1.44 A 7.8	Moment o	of inertia (J)	: 0.0643 sq.ft.	b
LRC Rated torque		7.8 1.50 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor toro	que :	200 %	Service fa	ictor	:	
Breakdown torqu		300 % 3510 rpm	Temperat	ure rise	: 80 K	
Rated speed		3510 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Three Phase Induction Motor - Squirrel Cage



Heating constant Cooling constant Rev.

Performed by Checked by

Date

11/04/2022

Customer	:		
Product line	: NEMA Premium Efficiency T	hree- Product code :	14827713
	Phase	Catalog # :	00136ET3E143T-S
		Catalog # .	0013021321431-3
Performance	: 190/380 V 50 Hz 2P		
Rated current LRC	: 3.26/1.63 A : 6.4	Moment of inertia (J) Duty cycle	: 0.0643 sq.ft.lb : Cont.(S1)
Rated torque		Insulation class	: F
Locked rotor torque	: 170 %	Service factor	: 1.15
Breakdown torque		Temperature rise	: 80 K
Rated speed	: 2885 rpm	Design	: B

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Performed

Checked

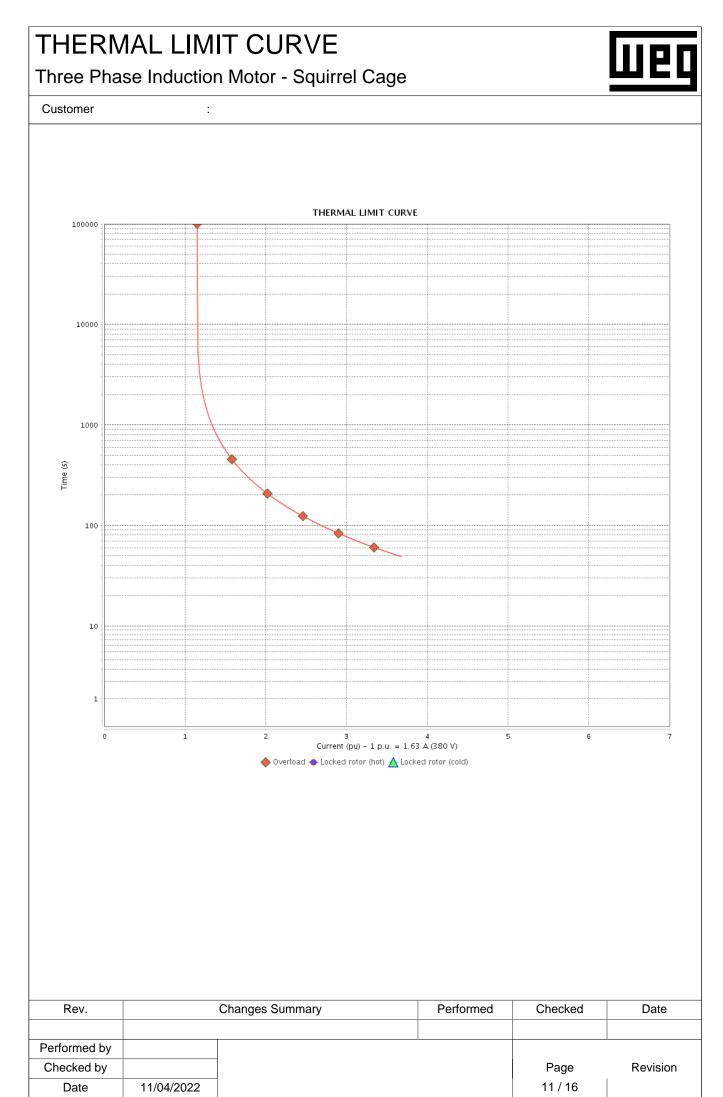
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Revision

Changes Summary



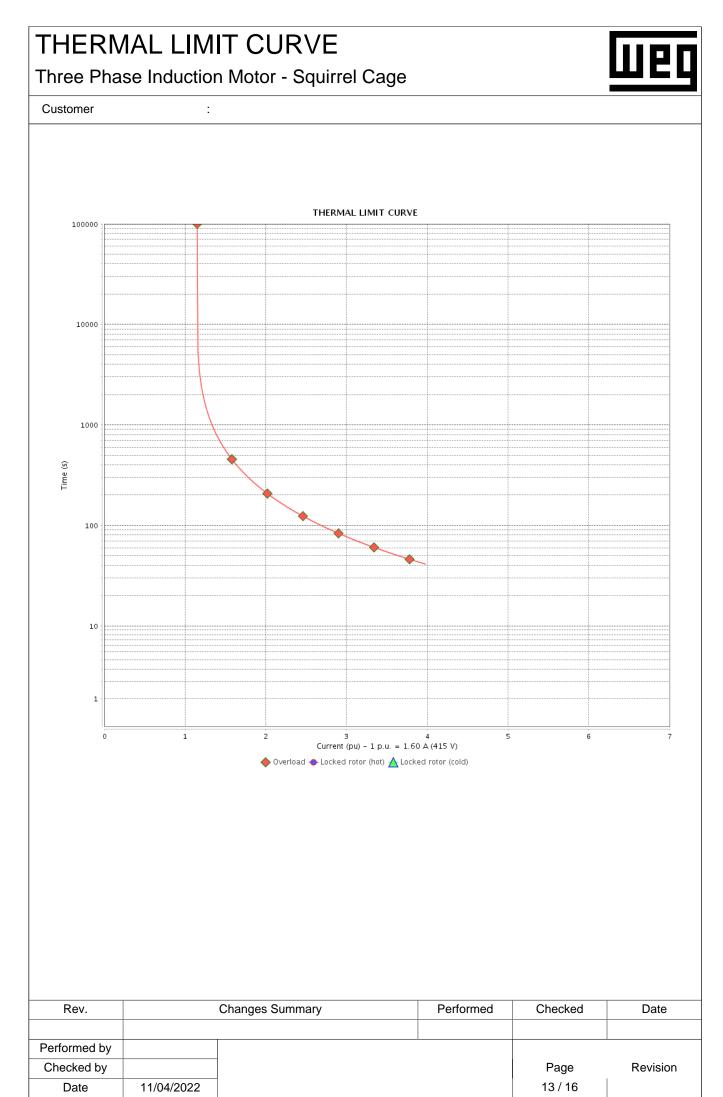
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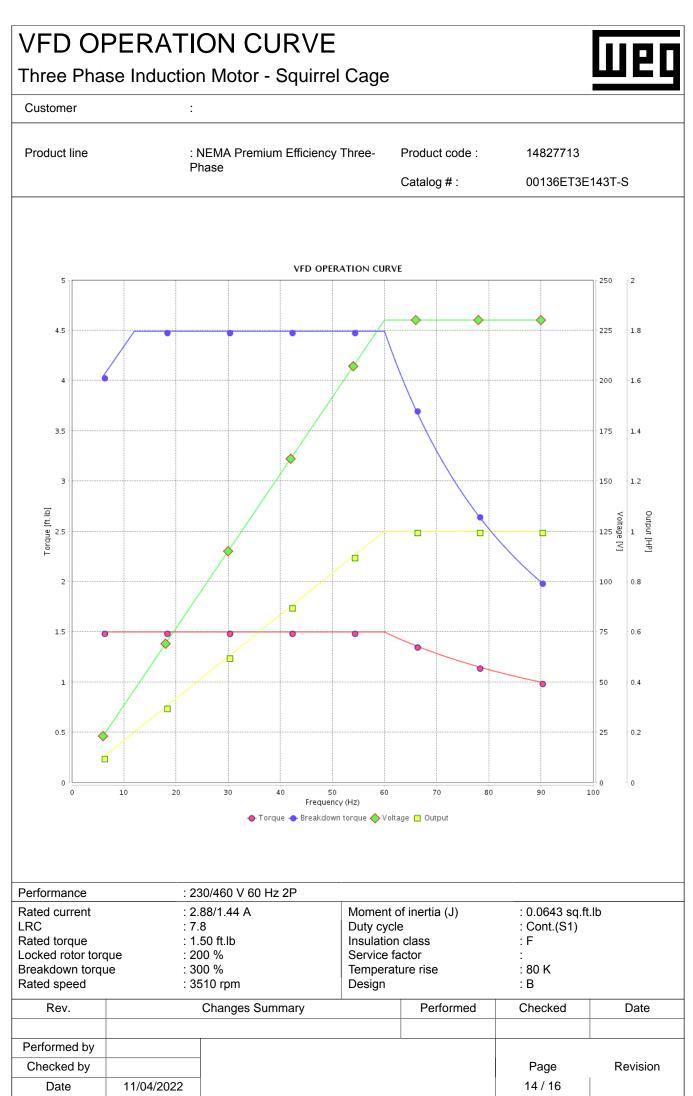
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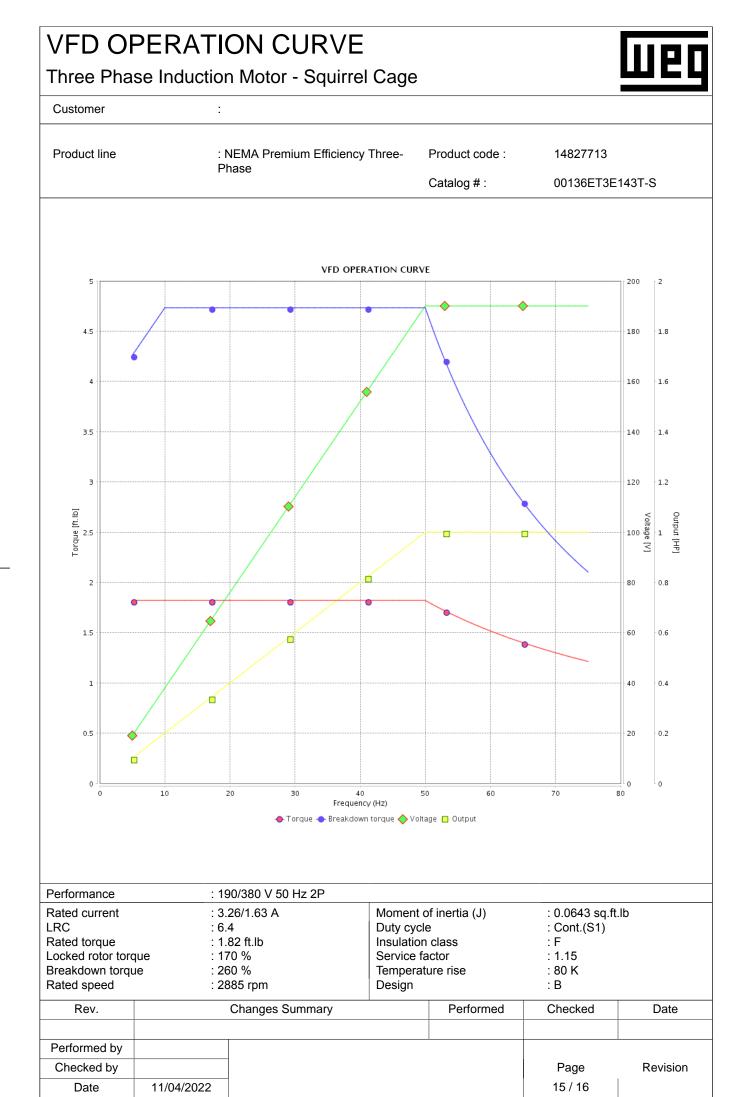
Customer

Product line		: NEMA Premium Efficiency Phase	Three-	Product code :	14827713	
		Thase		Catalog # :	00136ET3E1	143T-S
Performance		: 220/415 V 50 Hz 2P		6 · · · · · · · · · · · · · · · · · · ·	0.0040	
Rated current LRC		: 3.02/1.60 A : 6.9	Moment of Duty cycl	of inertia (J) e	: 0.0643 sq.ft. : Cont.(S1)	D
Rated torque		: 1.81 ft.lb	Insulation	n class	: F	
Locked rotor torc Breakdown torqu		: 200 % : 290 %	Service fa		: 1.15 : 80 K	
Rated speed		: 2900 rpm	Design		: B	
Heating constant	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Checked by					Page	Revision
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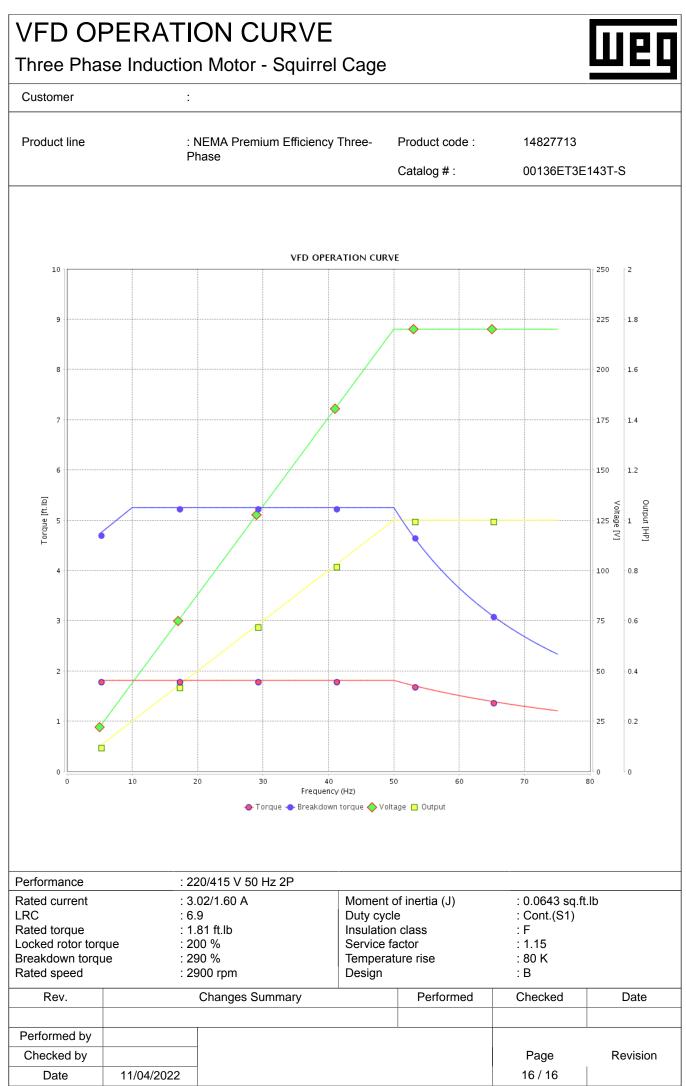


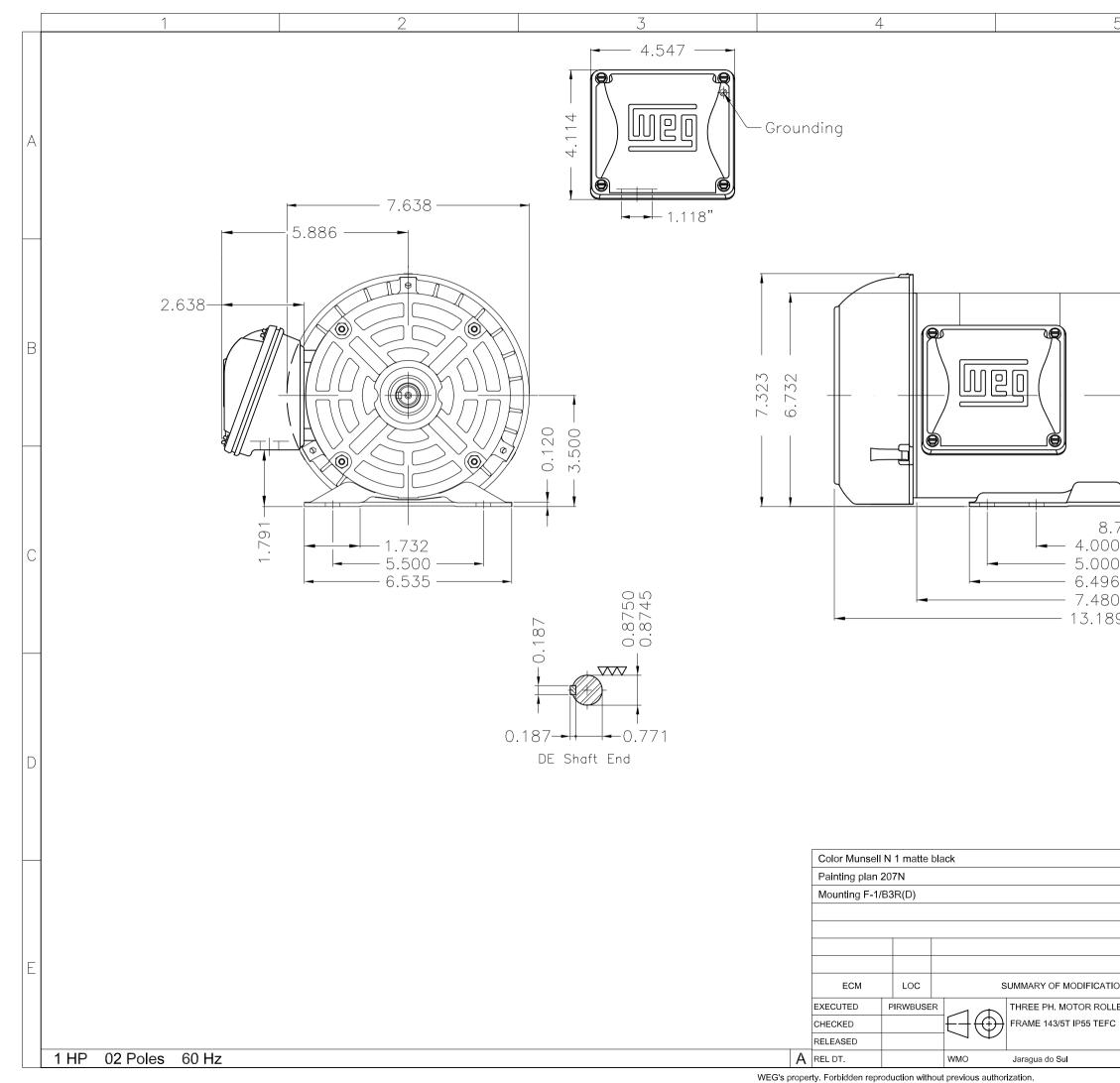


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Product	t Engineering	SHEET	1 / 1		×

COUS USTED COUS FOR SAFE AREA Energy verified	For 60H2: Class I, Zone 2, IIC Class I, DIV.2, Gr. A,B,C,D - T3 DIV 2 Inverted DUV (511.00)	Image: Constraint of the state of the st	MERCIANGE ANT TYO LINE MARES TO REVERSE THE ROTATION MARTING. Moor must be prounded th accordance with local MARTING. Moor must be prounded th accordance with local and the according and the accordance with local and the according and the accordance with local According the according and the according and the according according to grave. Docomector is climated on acord the must are ac- and the according the according and the according and the according according to according and the according
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NEMA Premium	3 CC029A DN ET3E143T-S B/N	Hz 60 Hz 60 3.19A 3.19A 3.1.58A 3.1.58A 1.0HP 1.0CER 1.0HP 1.15B 1.15	HIGH AND
	NADE IN MEXICO MAT: 14827713 CC029A W01.TE0IC0X0N MODEL 00136ET3E143T-S 02MAP2022 R.N.	PH 3 Hz 50 DUTY CONT All 7 DUTY CONT All 7 MIS CL CONT MIS CL INS CL CON CONT MIS CL CON CON MIS CL CON CON <	MERCALANGE ANY TWO LIVE WREES TO REVEASE THE ROYATON METRICALANGE ANY TWO LIVE WREES TO REVEASE THE ROYATON WARNING: More must be grounded in accordance with local \ and national selecting codes to prevent electric selectes and shock. Discontest power source before sending unit.