DATA SHEET

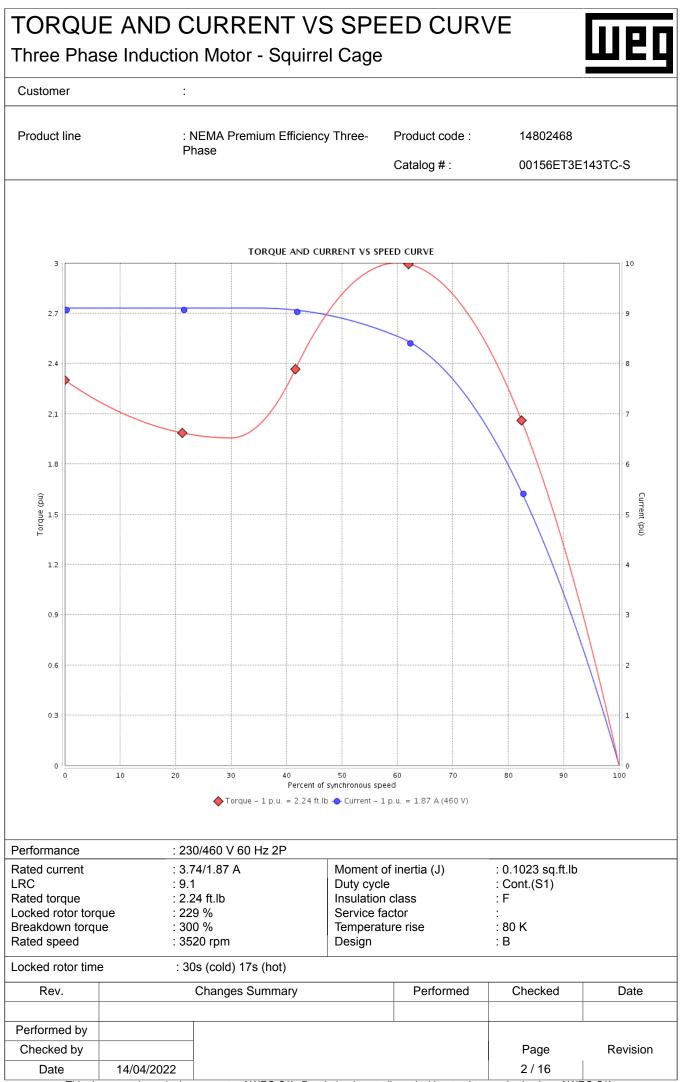
Three Phase Induction Motor - Squirrel Cage

:



Customer

	Product line		um Efficiency Tl	hree- Product code :	14802468		
Phase				Catalog # :	00156ET3E	143TC-S	
Frame		: 143/5TC		Cooling method	: IC411 - TE	FC	
Insulation class		: F		Mounting	: F-1		
Duty cycle		: Cont.(S1)		Rotation ¹	: Both (CW a	: Both (CW and CCW)	
Ambient tempera	ature	: -20°C to +40°	C	Starting method	: Direct On L		
Altitude		: 1000 m.a.s.l.	Ũ	Approx. weight ³	: 35.5 lb		
Protection degree	0	: IP55		Moment of inertia (J)	: 0.1023 sq.f	t lh	
Design		: B			. 0. 1023 Sq.1	1.10	
Output [HP]		1.5		1.5		1.5	
oles		2		2		2	
requency [Hz]		60)	50		50	
Rated voltage [V]		230/4	460	190/380	22	0/415	
Rated current [A]		3.74/	1.87	4.44/2.22	4.0	2/2.13	
. R. Amperes [A]		34.0/		32.0/16.0		1/17.0	
RC [A]		9.1x(Cc		7.2x(Code H)		Code J)	
	1	1.72/0					
lo load current [A				1.69/0.845		2/0.914	
Rated speed [RPN	/I]	352		2895		905	
Slip [%]		2.2		3.50		3.17	
Rated torque [ft.lb]		2.2	4	2.72	2	2.71	
ocked rotor torqu		22	9	190	:	220	
Breakdown torque		30	0	280		310	
Service factor	<u></u>			1.15		1.15	
Temperature rise		80	ĸ	80 K		30 K	
Locked rotor time		30s (cold) 17s (hot)		Os (cold) Os (hot)		d) 0s (hot)	
Noise level ²		68.0 dB(A)		65.0 dB(A)) dB(A)	
	25%	78.		83.1		32.2	
Efficiency (%)	50%	80.		82.6		32.2	
	75%	82.	5	83.8	3	34.0	
	100%	84.	0	82.9		33.6	
	25%	0.4		0.49).46	
	50%	0.7		0.77).73	
Power Factor							
	75%	0.8		0.87).84	
	100%	0.8	8	0.91	().89	
		Drive end	Non drive end	Foundation loads			
Bearing type		: 6205 ZZ	6203 ZZ	Max. traction	: 55 lb		
Sealing		: V'Ring		Max. compression	: 91 lb		
			Bearing Seal				
	(al	: -	-				
Lubrication interv	al						
		: -	-				
Lubricant amoun		: - · Mohil Pr	- Jvrex FM				
Lubricant amoun Lubricant type		: - : Mobil Po	- blyrex EM				
Lubricant amoun	ıt		- blyrex EM				
Lubricant amoun Lubricant type Notes	ıt		- blyrex EM				
Lubricant amoun Lubricant type Notes	ıt		- blyrex EM				
Lubricant amoun Lubricant type Notes USABLE @208V	4.13A SF 1.	00 SFA 4.13A		These are average value	es hased on tests wit	h sinusoidal	
Lubricant amoun Lubricant type Notes USABLE @208V	4.13A SF 1.	00 SFA 4.13A		These are average value			
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate	4.13A SF 1.	00 SFA 4.13A		power supply, subject to			
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m	4.13A SF 1. aces and car d. notor from the	00 SFA 4.13A	one, which				
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1	4.13A SF 1.4 aces and car ed. notor from the Im and with t	00 SFA 4.13A ncel the previous e shaft end. colerance of +3dB	one, which (A).	power supply, subject to			
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	4.13A SF 1. aces and car ed. notor from the Im and with t weight subject	00 SFA 4.13A ncel the previous e shaft end. colerance of +3dB	one, which (A).	power supply, subject to			
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	4.13A SF 1. aces and car ed. lotor from the Im and with t weight subject occess.	00 SFA 4.13A ncel the previous e shaft end. colerance of +3dB	one, which (A).	power supply, subject to			
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	4.13A SF 1. aces and car ed. lotor from the Im and with t weight subject occess.	00 SFA 4.13A ncel the previous e shaft end. colerance of +3dB ct to changes afte	one, which (A). r	power supply, subject to MG-1.	the tolerances stipul	ated in NEMA	
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	4.13A SF 1. aces and car ed. lotor from the Im and with t weight subject occess.	00 SFA 4.13A ncel the previous e shaft end. colerance of +3dB	one, which (A). r	power supply, subject to			
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	4.13A SF 1. aces and car ed. lotor from the Im and with t weight subject occess.	00 SFA 4.13A ncel the previous e shaft end. colerance of +3dB ct to changes afte	one, which (A). r	power supply, subject to MG-1.	the tolerances stipul	ated in NEMA	
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	4.13A SF 1. aces and car ed. lotor from the Im and with t weight subject occess.	00 SFA 4.13A ncel the previous e shaft end. colerance of +3dB ct to changes afte	one, which (A). r	power supply, subject to MG-1.	the tolerances stipul	ated in NEMA	
Lubricant amoun Lubricant type Notes USABLE @208V This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	4.13A SF 1. aces and car ed. lotor from the Im and with t weight subject occess.	00 SFA 4.13A ncel the previous e shaft end. colerance of +3dB ct to changes afte	one, which (A). r	power supply, subject to MG-1.	the tolerances stipul	ated in NEMA	



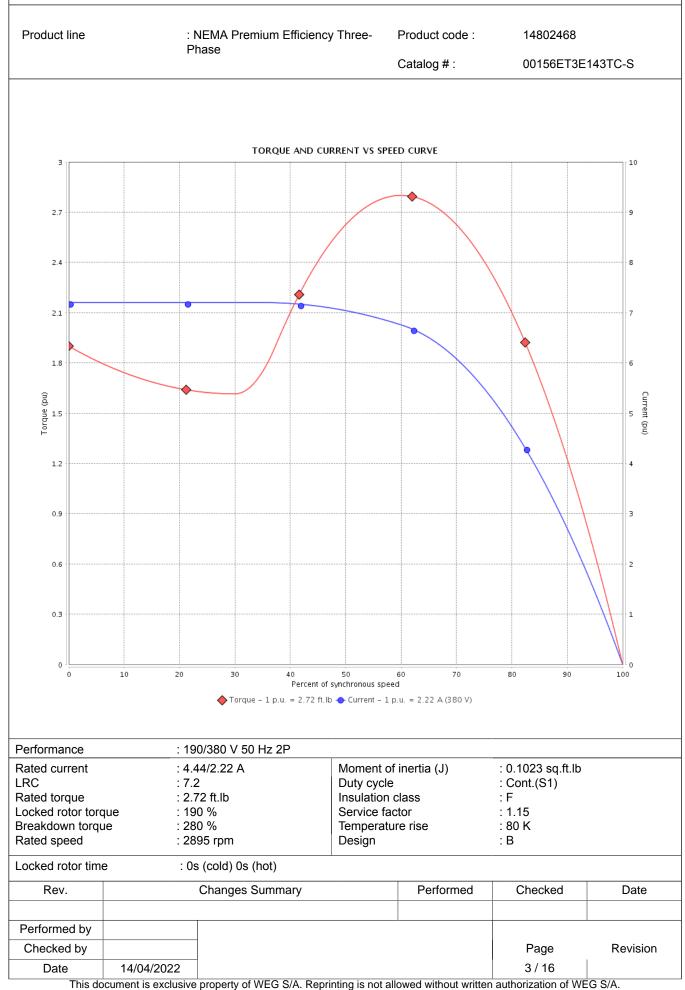
TORQUE AND CURRENT VS SPEED CURVE

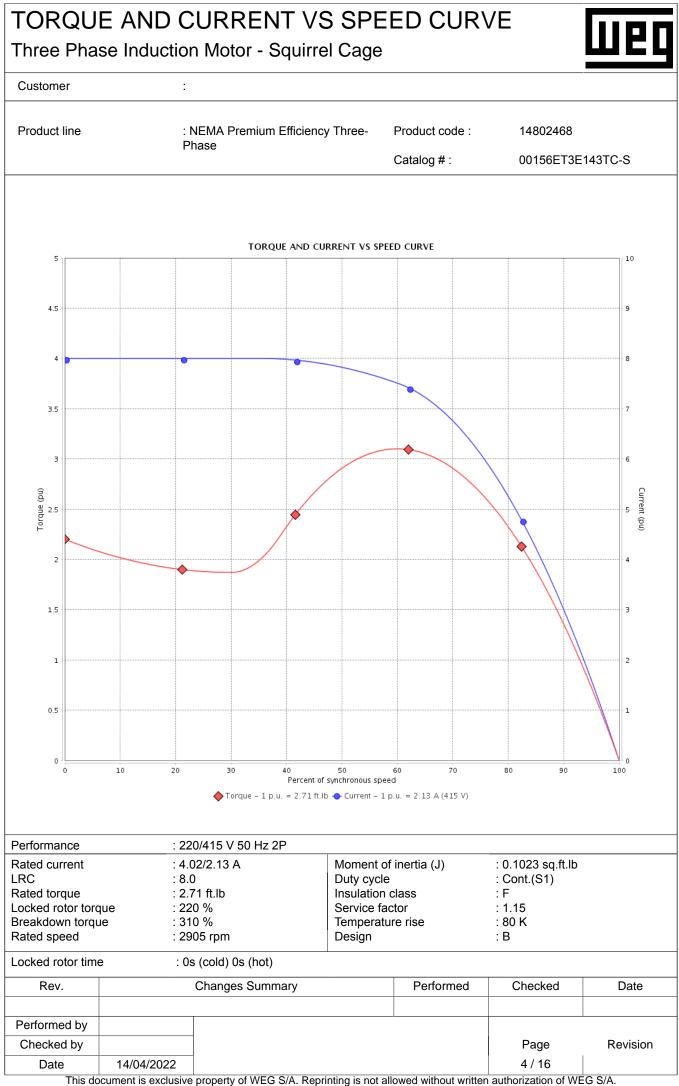
Three Phase Induction Motor - Squirrel Cage

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Customer

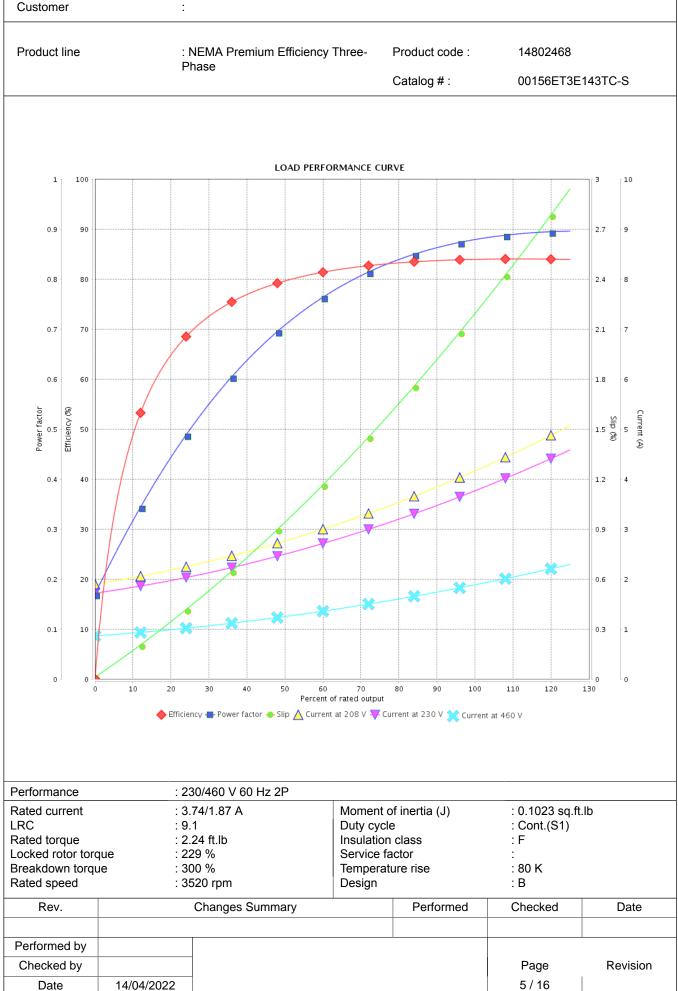




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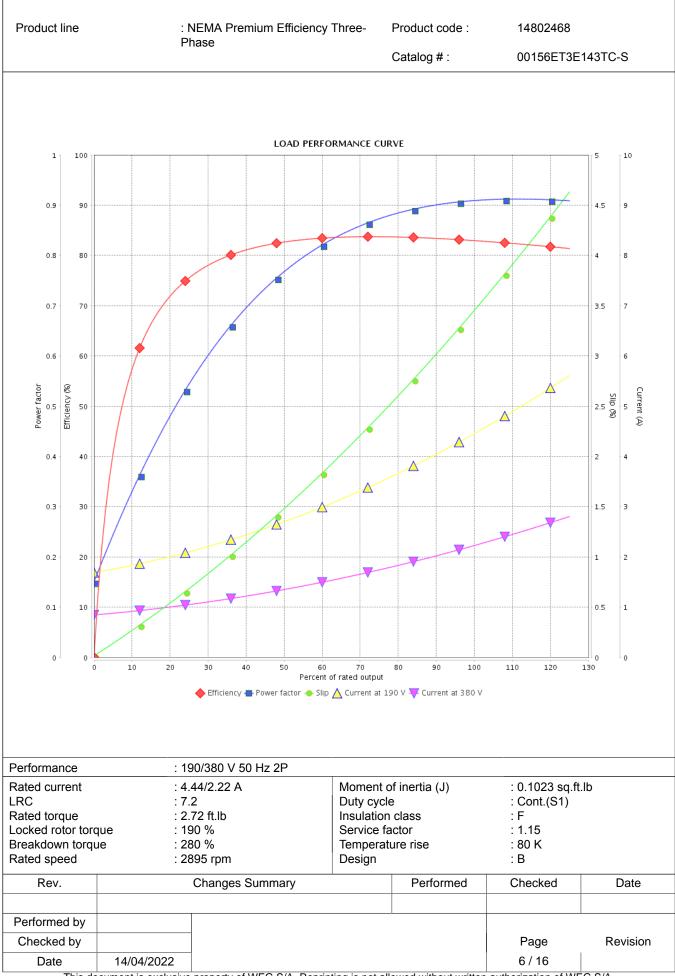
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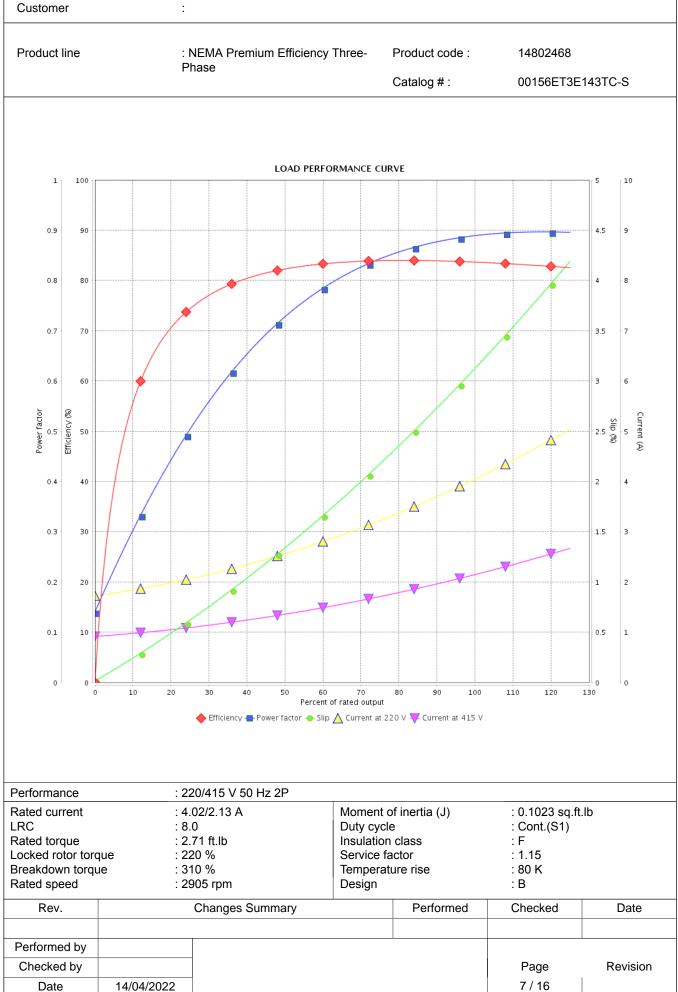
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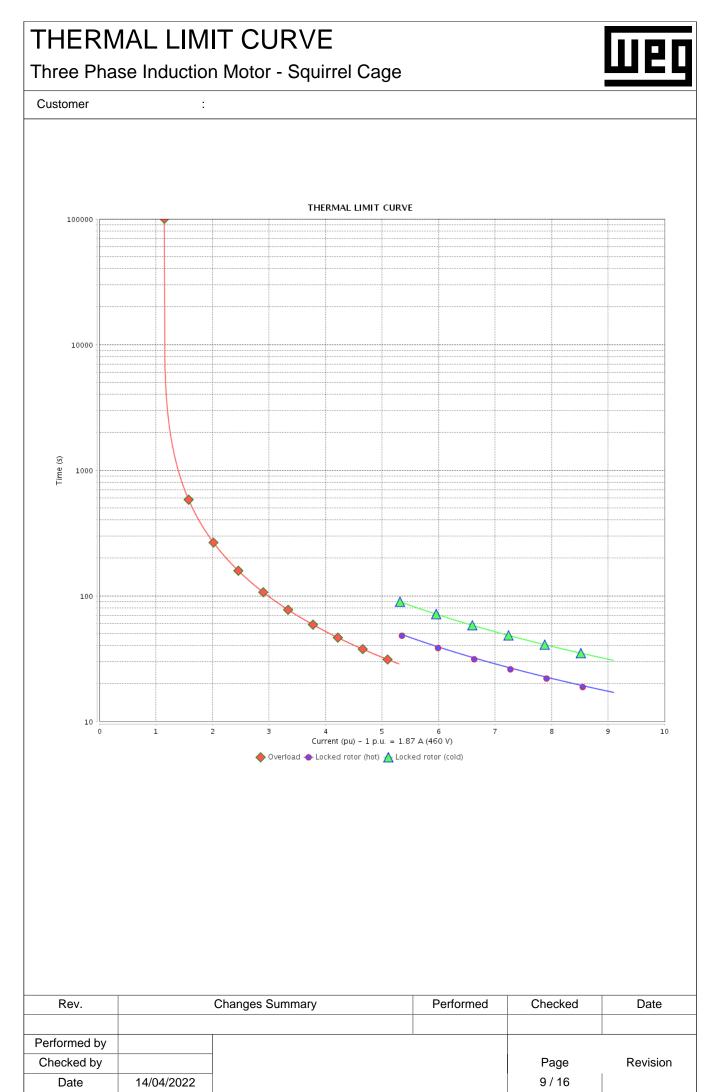
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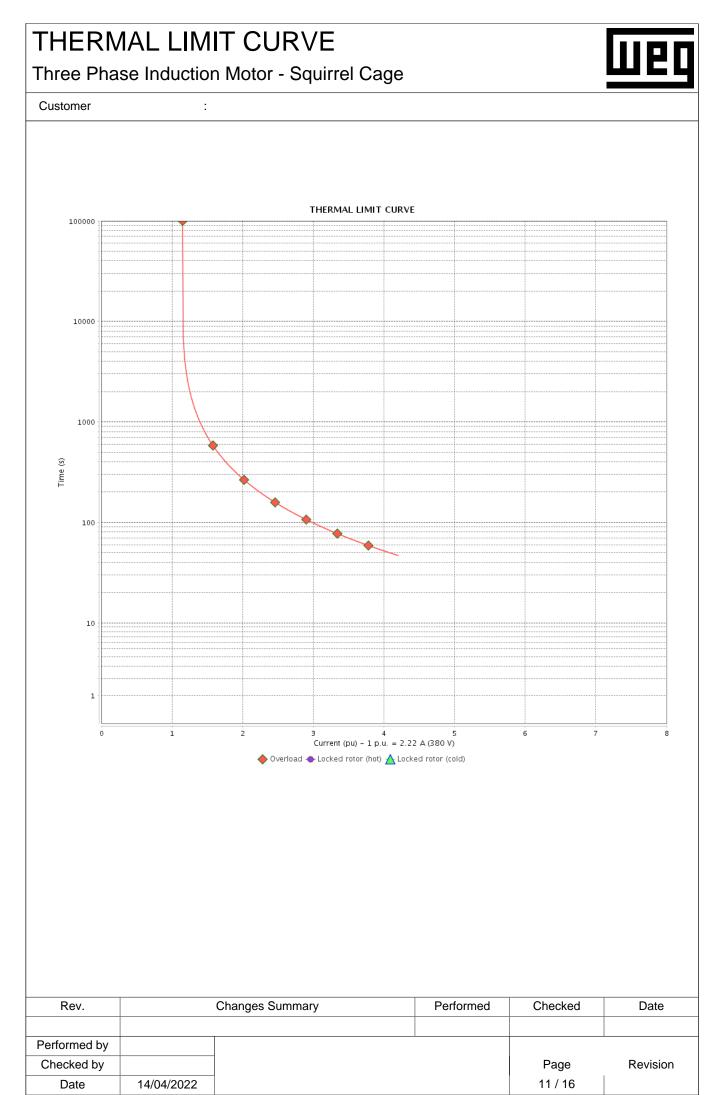
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14802468
		Catalog # :	00156ET3E143TC-S

Performance	mance : 230/460 V 60 Hz 2P					
Rated current : 3.74/1.87 A		Moment of inertia (J)		: 0.1023 sq.ft.lb		
LRC	: 9	.1	Duty cycle	;	: Cont.(S1)	
Rated torque	: 2	.24 ft.lb	Insulation	class	: F	
Locked rotor toro	que : 2	29 %	Service fa	ctor	:	
Breakdown torqu	.e::3	00 %	Temperatu	ure rise	: 80 K	
Rated speed : 3520 rpm		Design : B				
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		7			Page	Revision
Date	14/04/2022	1			8 / 16	



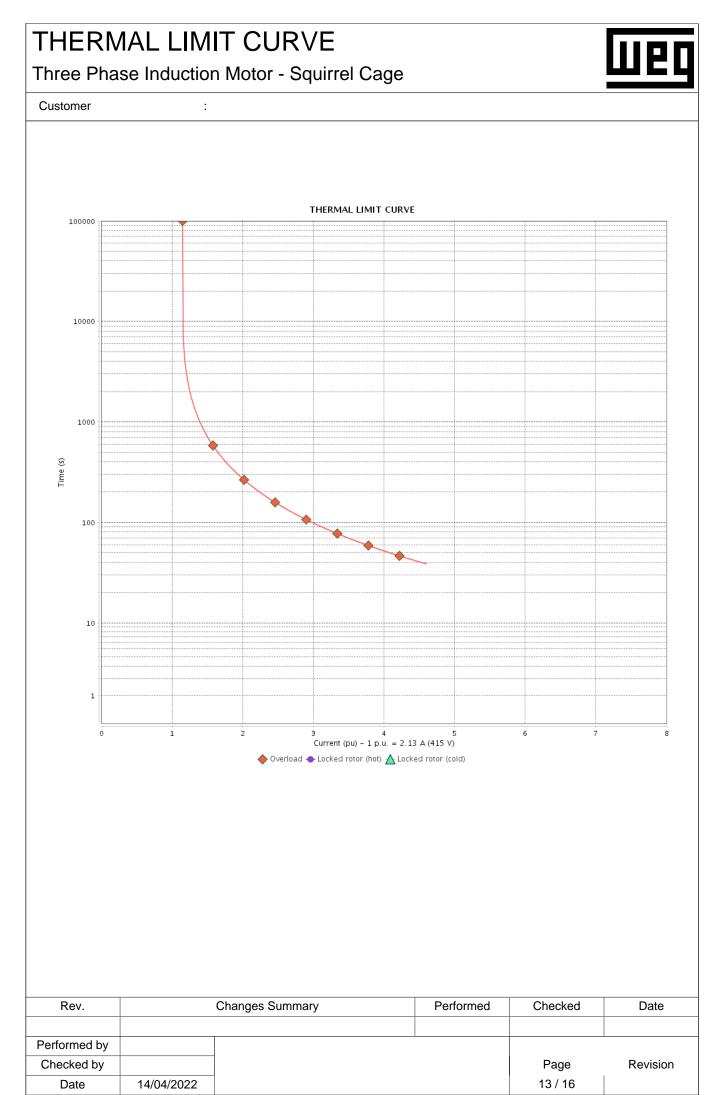
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	14802468 00156ET3E143TC-S

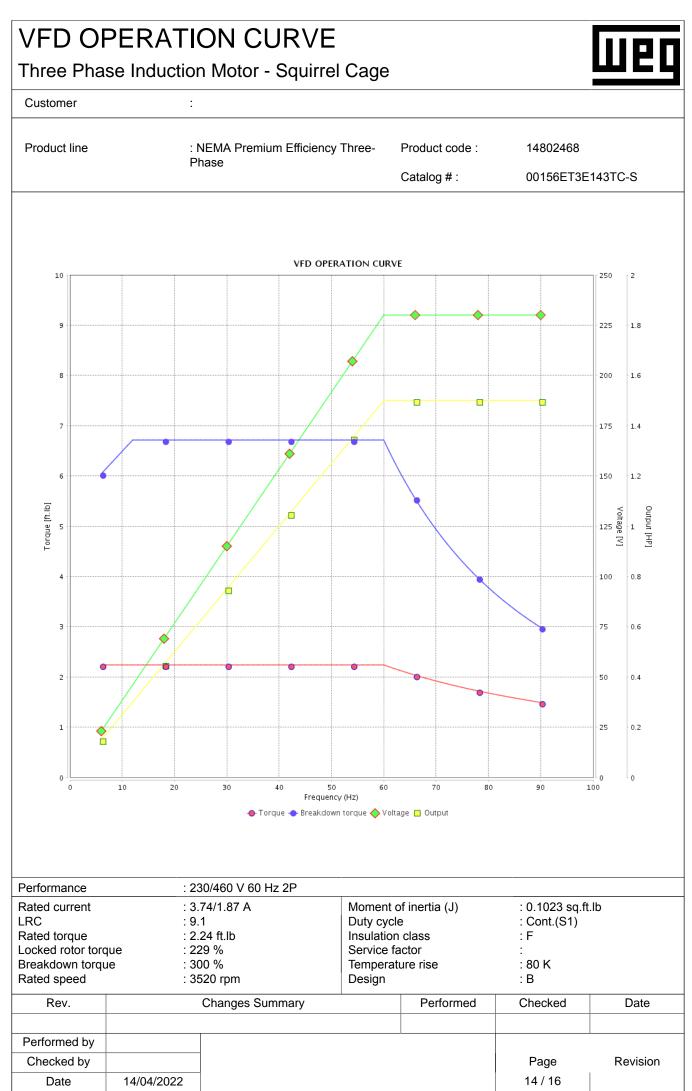
Performance : 190/380 V 50 Hz 2P						
Rated current: 4.44/2.22 ALRC: 7.2Rated torque: 2.72 ft.lbLocked rotor torque: 190 %Breakdown torque: 280 %Rated speed: 2895 rpm		7.2 2.72 ft.lb 190 % 280 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1023 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constan	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				10 / 16	



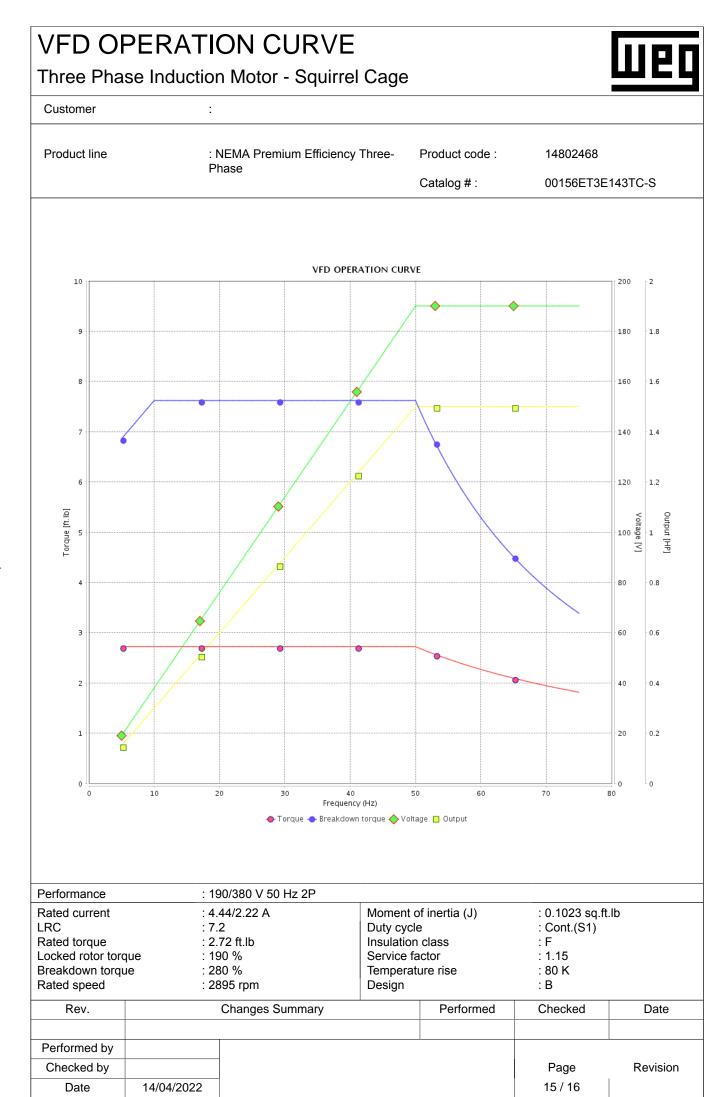
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	14802468
		Catalog # :	00156ET3E143TC-S

Performance	::	220/415 V 50 Hz 2P				
Rated current: 4.02/2.13 ALRC: 8.0Rated torque: 2.71 ft.lbLocked rotor torque: 220 %Breakdown torque: 310 %Rated speed: 2905 rpm		8.0 2.71 ft.lb 220 % 310 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1023 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	14/04/2022				12 / 16	

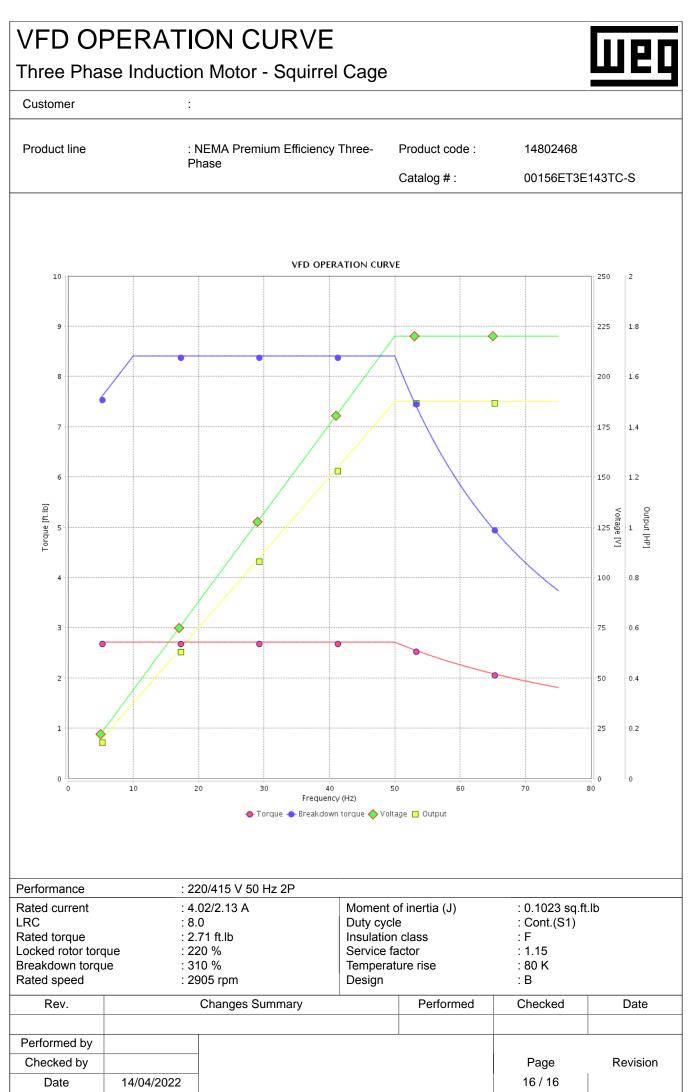




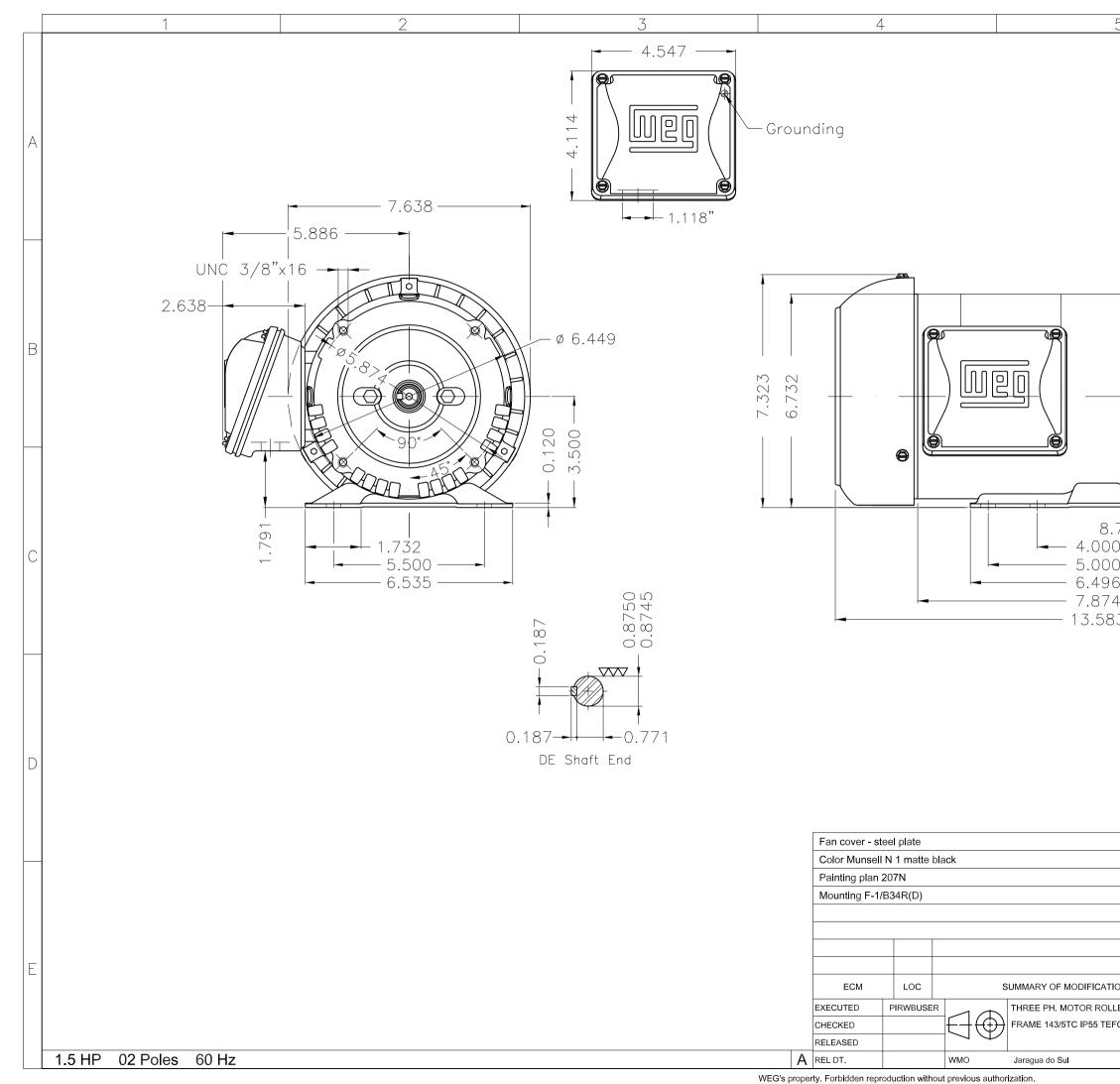
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			7 005 7 8		
					Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER
LED STEEL PREM. E	FF.	PREVI	EW	Ше	
Product	Engineering	SHEET	1 / 1		XME

FOR SAFE AREA Energy Verified	For 60Hz: Claas I, Zone 2, IIC Class I, DIVZ, Gr. A.B.G.D. 73 DIV 2 Inverter Duty (5F1.00) of 2:1V/T 1000:1	1 3 Hz 60 HP 15 17 1000 m.a.s.i KW 11 17 1000 m.a.s.i S.241/87 1 100 m.a.s.i S.241/87 1 100 m.a.s.i S.241/87 1 100 m.a.s.i S.241/87 1 100 m.a.s.i S.241/87 1 10 100 m.a.s.i 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10 1 10 10	REVERSE THE ROYATION In accordance with local revent rections exciting to before servicing unit. The revent rection events of the terre andersearce of a la muchloa.
LIED Remium	MAVE IN MEXICO MAT: 14802468 CC029A WO1. TEOICDXON MODEL 00156F13E143TC-S OSNOVZ021 BIN:	FR 3 IMZ 50 KW 1. FR 4.1 1435FC KW 1. 1. NUTY CONT. 201 WP 4. 2. 3. 3. ALT 100 m.a.s.l PR 3. 3. 3. 3. 3. ALT 100 m.a.s.l PE 7. 2. 2. 3. 3. AMB LT 100 m.a.s.l PE 1. 2. 3. 3. 1. 2. 3. 3. 1. 2. 3. 3. 1. 4. 3. 3. 1. 2. 3. 1. 4. 3. 3. 1. 1. 1. 3. 3. 3. 3. 3. 3. 3. 3. 1. 1. 1. 4	INTERCANDER ANY TWO LIVE WREES TO EXPERISE THE EXTATION INTERCANDER ANY TWO LIVE WREES TO EXPERISE THE EXTATION WARNING: Motor must be grounded in accordance with local and mission betaches localed by prevent evaluation betaches and the beauter and the second second and the second conformation are any conformed to local work for the option for the second second second to local work for the dot conformed and the second second to account the second second second second to account the second second second up grave. Deconnection 1 signates the modifies