DATA SHEET

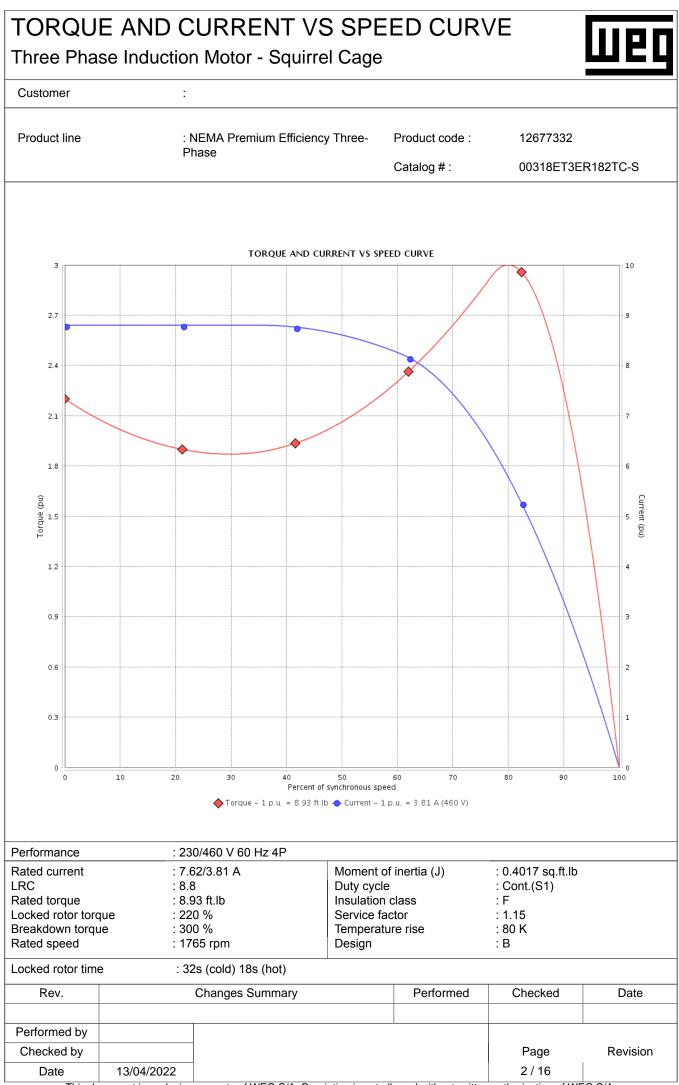
Three Phase Induction Motor - Squirrel Cage

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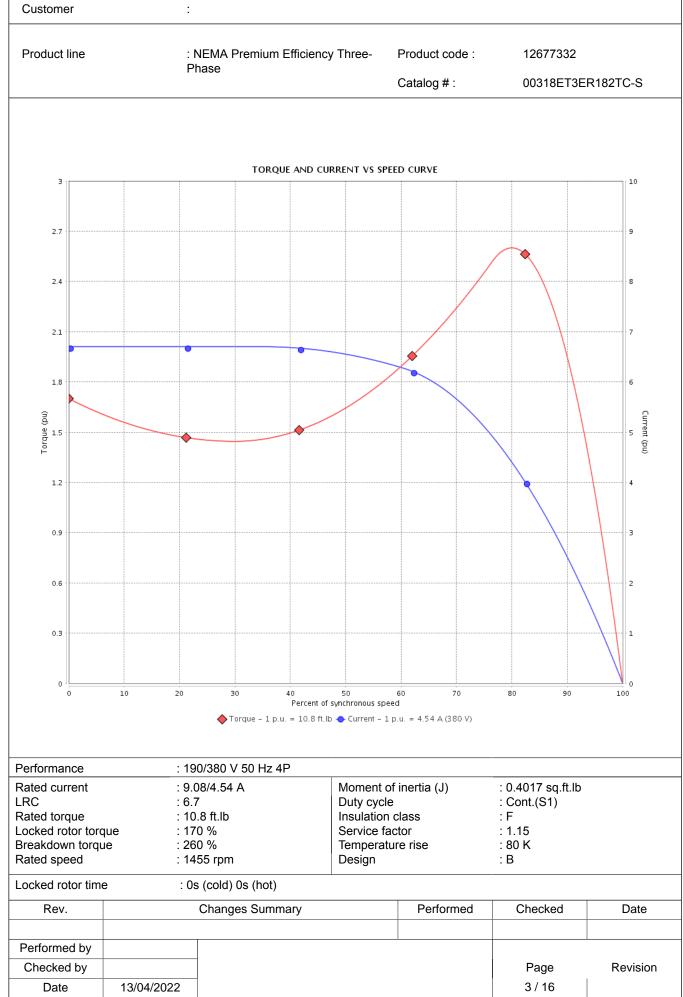
Customer

Product line		: NEMA Premiu Phase	Im Efficiency T	hree- I	Product code :	12677332	
		1 11030		(Catalog # :	00318ET3E	R182TC-S
Frame		: 182/4TC		Cooling	method	: IC411 - TE	FC
Insulation class		: F		Mounting	9	: W-6	
Duty cycle		: Cont.(S1)		Rotation	1	: Both (CW	and CCW)
Ambient temperature		: -20°C to +40°	С	Starting	method	: Direct On	Line
Altitude		: 1000 m.a.s.l.		Approx.		: 93.2 lb	
Protection degre	е	: IP55		Moment	of inertia (J)	: 0.4017 sq.	ft.lb
Design		: B					
Dutput [HP] Poles		3			3 4		3
		60			50		50
Frequency [Hz] Rated voltage [V]		230/4			190/380		20/415
Rated current [A]		7.62/3			9.08/4.54		30/4.40
		67.1/3			60.8/30.4		.3/33.0
. R. Amperes [A]							
RC [A]	1	8.8x(Co 4.00/2		6	.7x(Code H)		(Code J)
No load current [A					3.95/1.97		99/2.11
Rated speed [RPN	/I]	176			1455		1460
Slip [%]	1	1.9			3.00		2.67
Rated torque [ft.lb]		8.9			10.8		10.8
_ocked rotor torqu		220			170		200
Breakdown torque	e [%]	300			260		290
Service factor		1.1			1.15		1.15
Temperature rise		80			80 K		80 K
_ocked rotor time		32s (cold)			(cold) 0s (hot)		ld) 0s (hot)
Noise level ²		56.0 dB(A)			53.0 dB(A)		0 dB(A)
	25%	86.			88.2		87.8
Efficiency (%)	50%	87.5			87.5		87.2
	75%	88.5			87.7		87.9
	100%	89.5			86.7		87.0
	25%	0.36			0.42		0.39
Power Factor	50%	0.61 0.74		0.68 0.79			0.65
FOWER FACIO	75%						0.77
	100%	0.81			0.85		0.83
		Drive end	Non drive end	Foundatio	on loads		
Bearing type		: 6206 ZZ	6205 ZZ	Max. trac	tion	: 153 lb	
Sealing		: V'Ring	Without	Max. con	pression	: 246 lb	
5		5	Bearing Seal				
Lubrication interv	/al	: -	-				
Lubricant amoun	t	: -	-				
Lubricant type		: Mobil Po	olyrex EM				
Notes USABLE @208V	8.43A SF 1.	00 SFA 8.43A					
This revision replaying the eliminate (1) Looking the million (2) Measured at 1 (3) Approximate with manufacturing products of fullion (4) At 100% of fullion (5) (4) (5) (5) (5) (5) (5) (5) (5) (5) (5) (5	ed. lotor from the Im and with t weight subjec ocess.	shaft end. olerance of +3dB	(A).			based on tests wi e tolerances stipu	
(4) At 100% of ful	i iuau.						
		Changes Su	mmary		Performed	Checked	Date
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Performed by						Page	Revision
-	13/04/202					Page 1 / 16	Revision

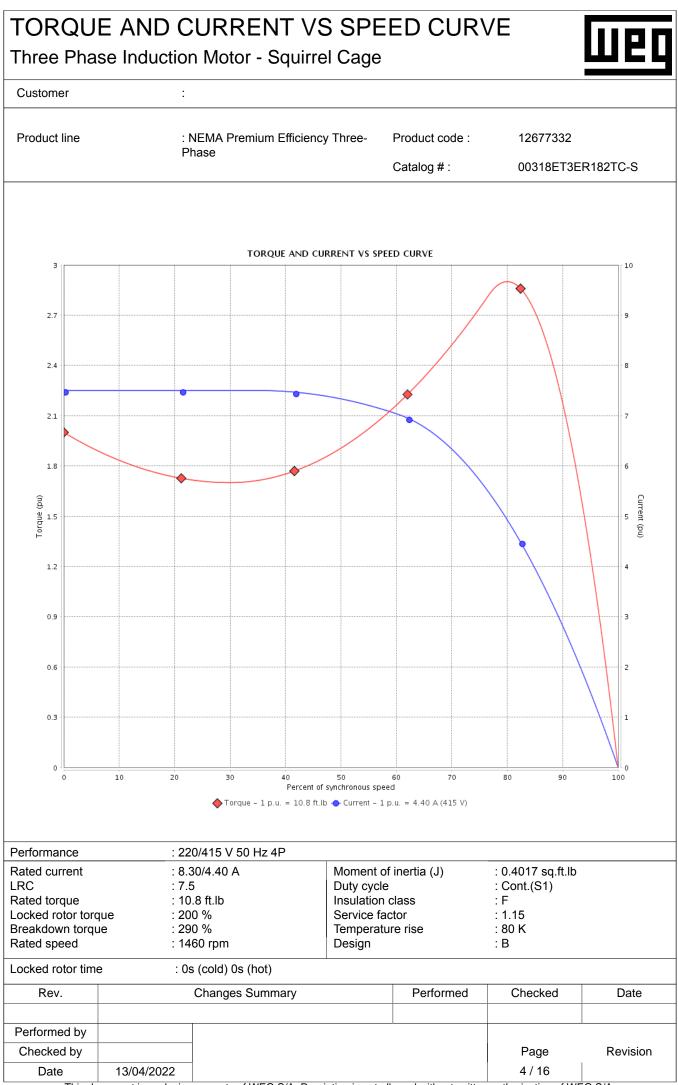


TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



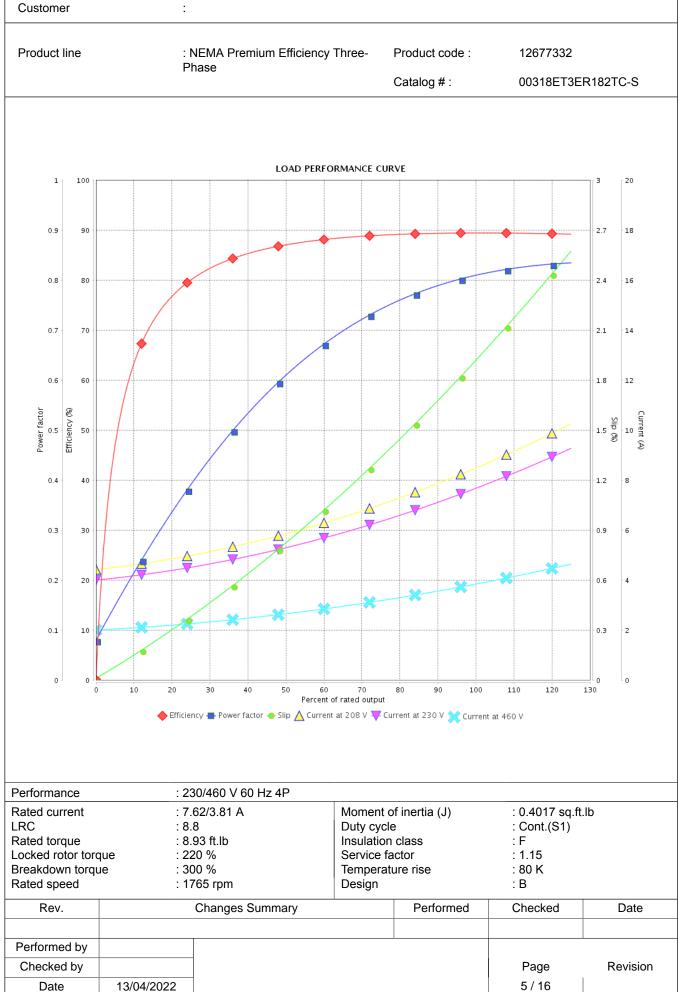
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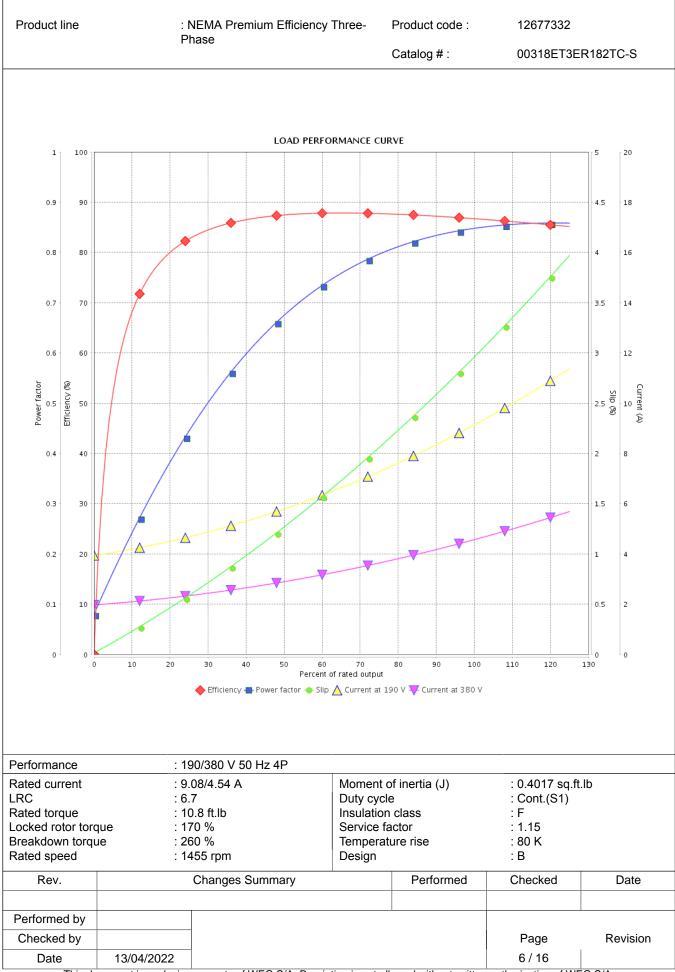
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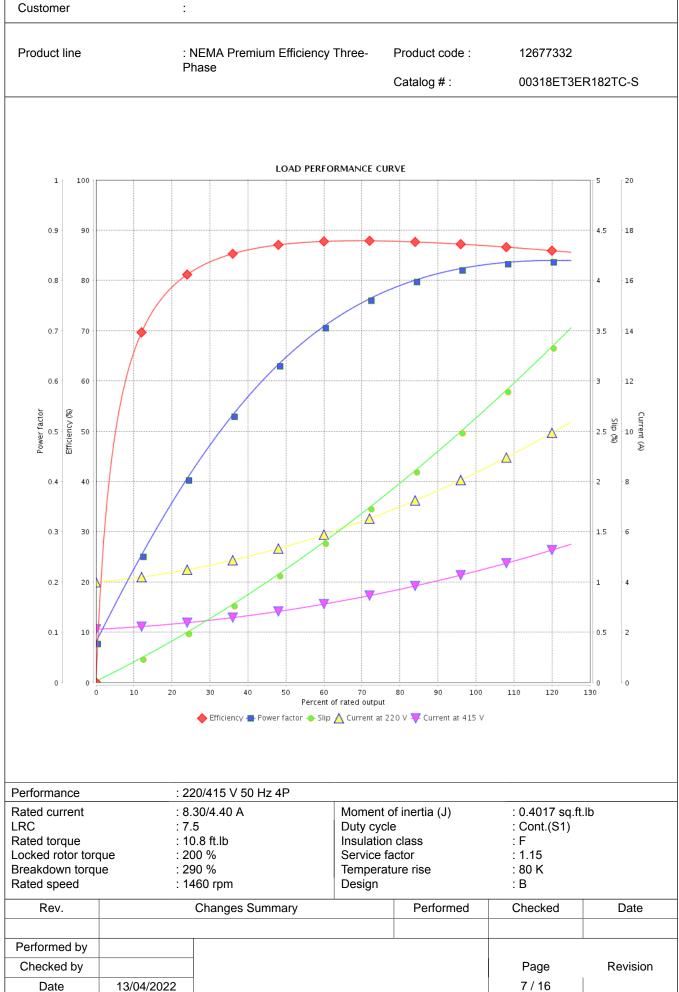
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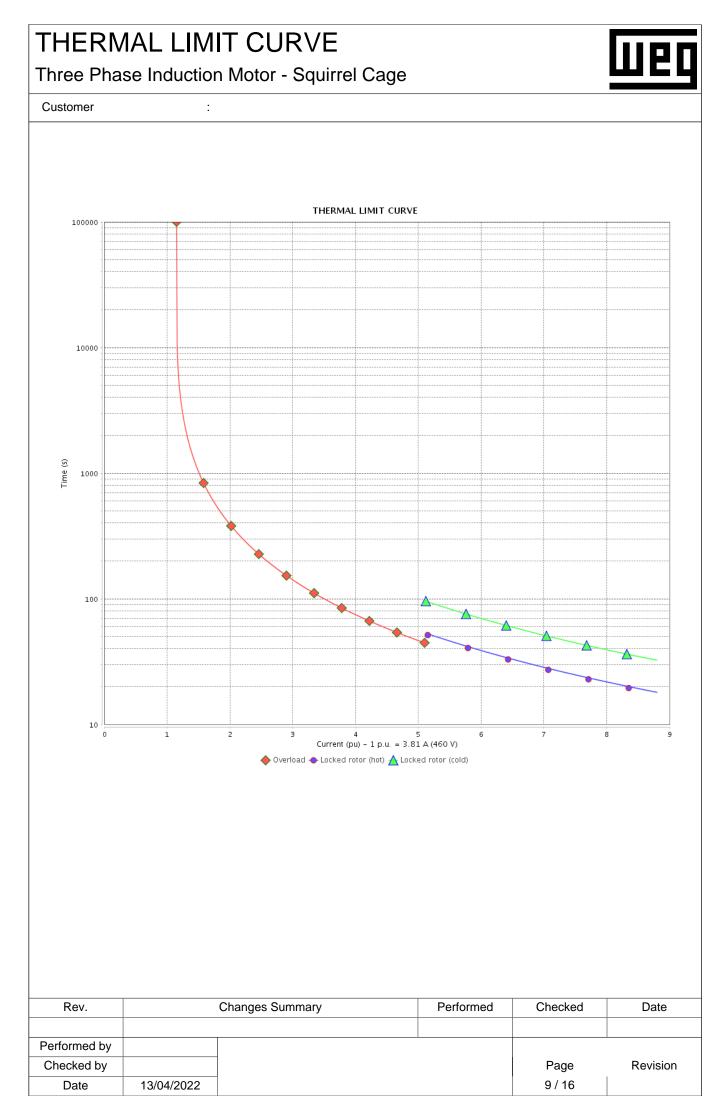
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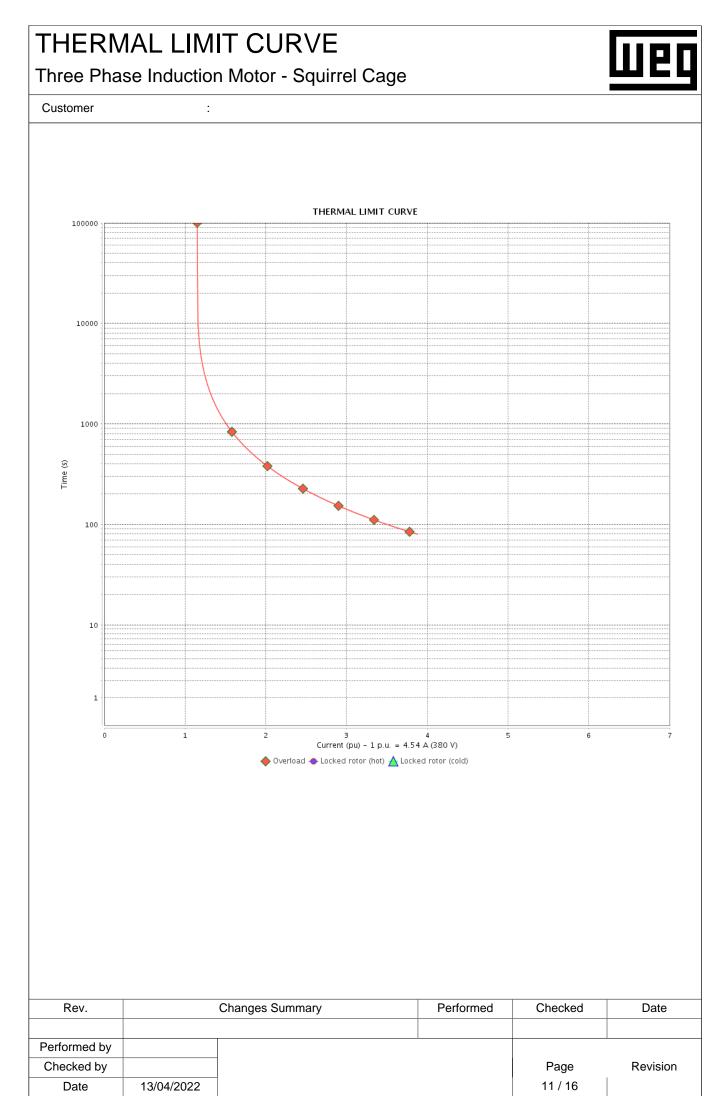
			
	IMIT CURVE	9	Шер
Customer	:		
Product line	: NEMA Premium Efficiency Three-	Product code :	12677332
	Phase	Catalog # :	00318ET3ER182TC-S

Performance	: 2	30/460 V 60 Hz 4P				
Rated current: 7.62/3.81 ALRC: 8.8Rated torque: 8.93 ft.lbLocked rotor torque: 220 %Breakdown torque: 300 %Rated speed: 1765 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.4017 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B		
Heating constan						
Cooling constant	t					
Rev. Changes Summary			Performed	Checked	Date	
Performed by						
Checked by					Page	Revision
Date	13/04/2022				8 / 16	



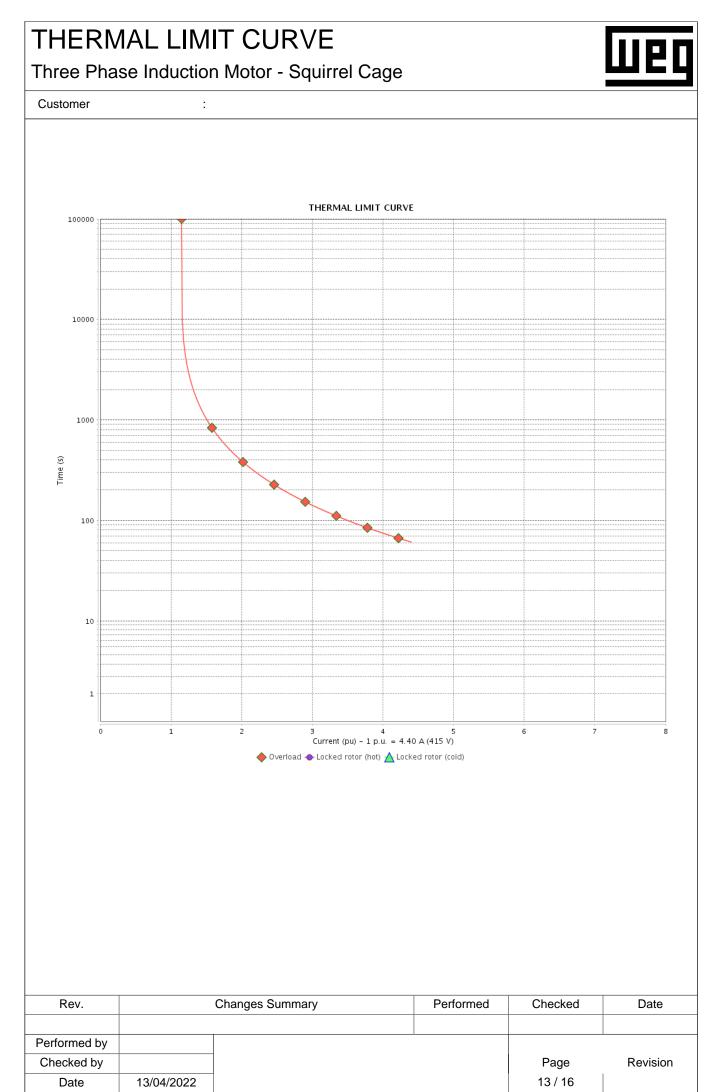
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage							
Customer	:						
Product line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	12677332 00318ET3ER182TC-S				

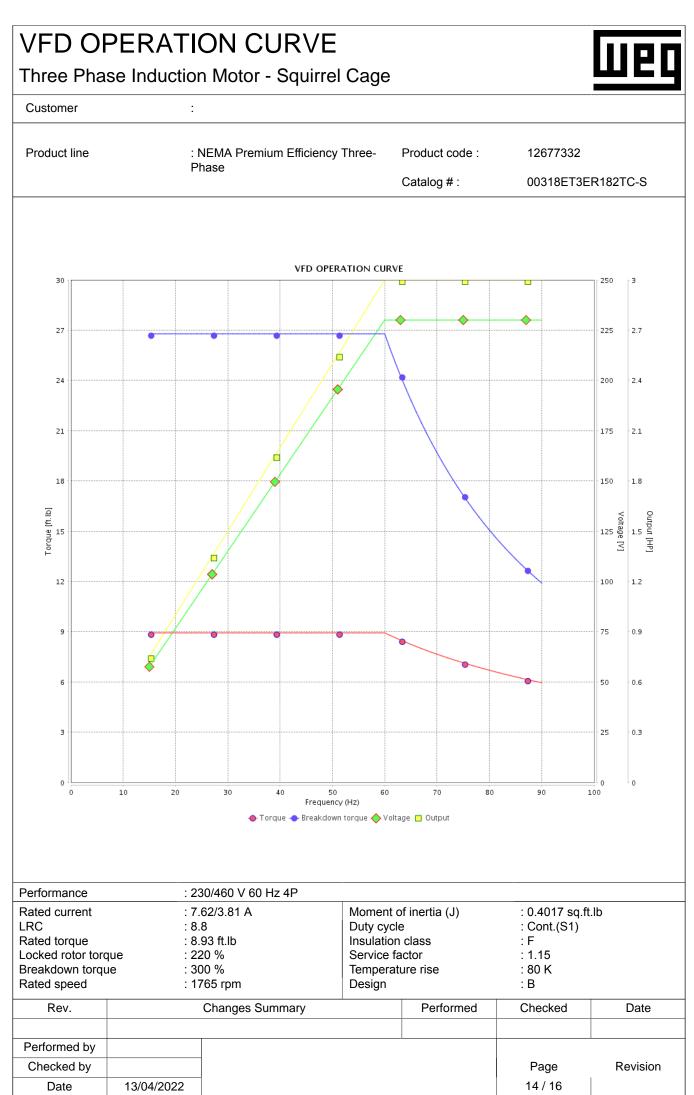
Performance	:	190/380 V 50 Hz 4P				
Rated current LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	jue :	9.08/4.54 A 6.7 10.8 ft.lb 170 % 260 % 1455 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.4017 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	t					
Cooling constant	:					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				10 / 16	
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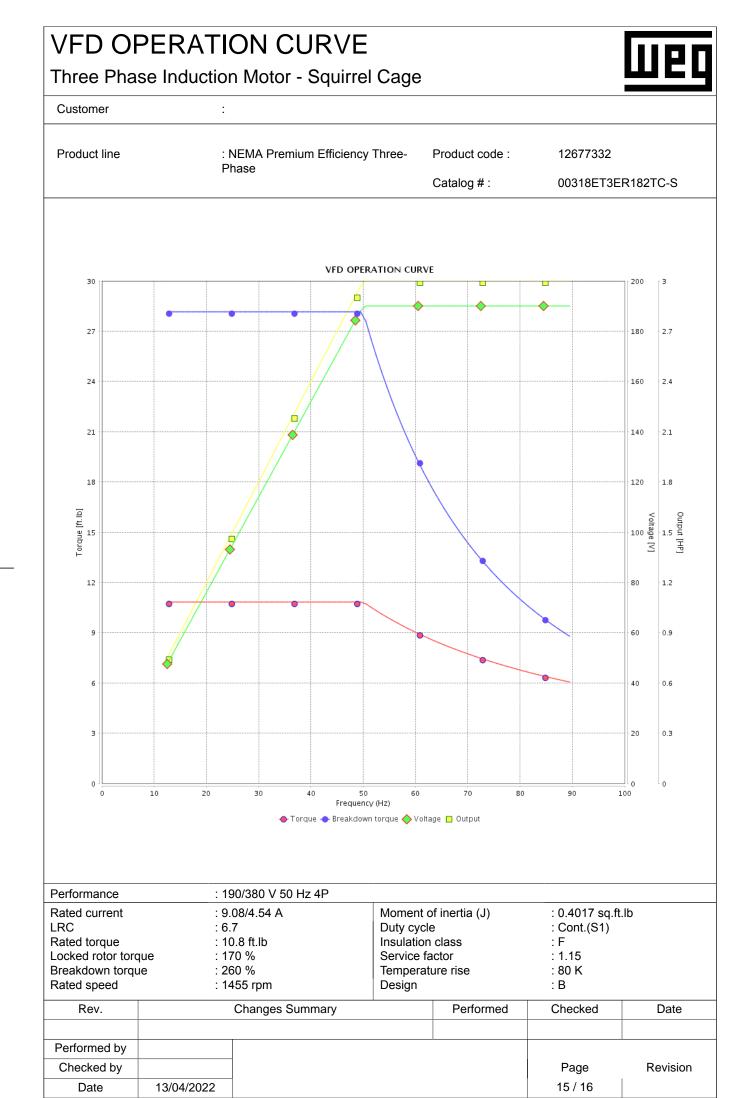


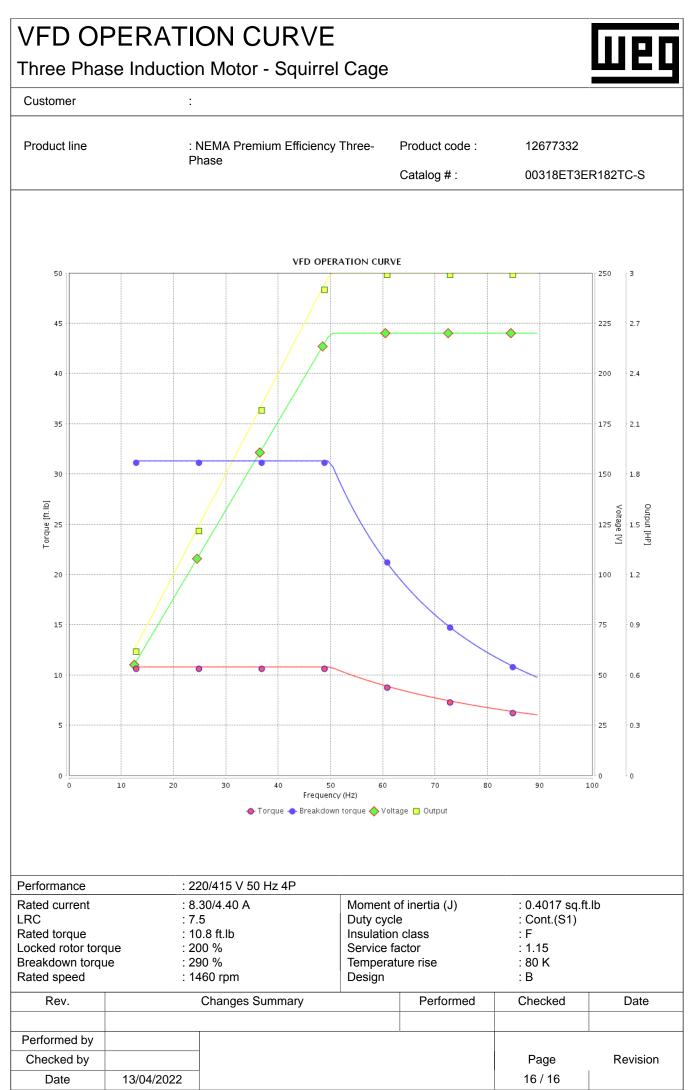
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage							
Customer		,					
Product line	: NEMA Premium Efficiency Three-	Product code :	12677332				
	Phase	Catalog # :	00318ET3ER182TC-S				

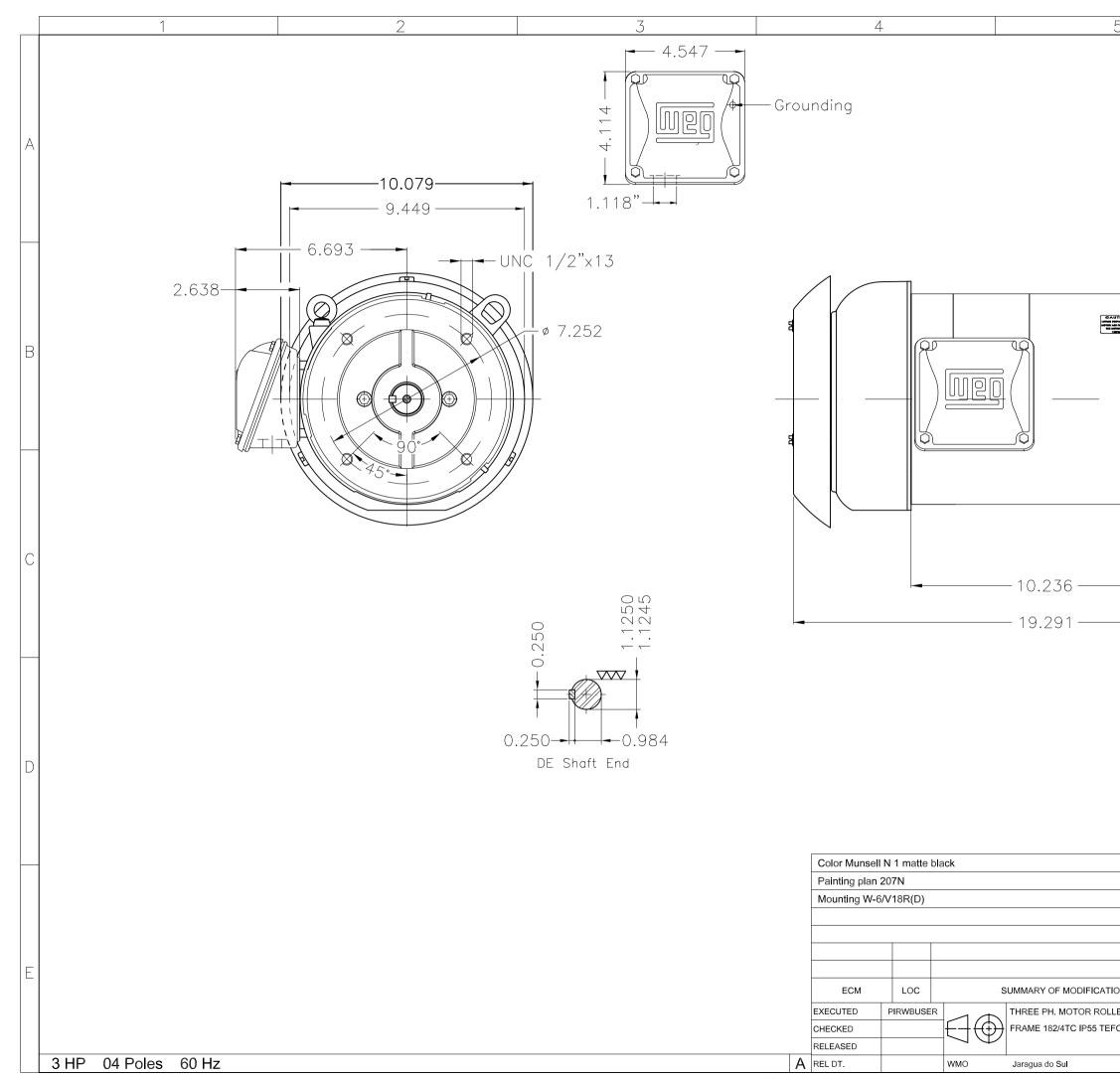
Performance	: 2	20/415 V 50 Hz 4P				
Rated current	: 8	.30/4.40 A	Moment of inertia (J)		: 0.4017 sq.ft.lb	
LRC	: 7	.5	Duty cycle	;	: Cont.(S1)	
Rated torque	: 1	0.8 ft.lb	Insulation	class	:F	
Locked rotor toro	que : 2	00 %	Service fa	ctor	: 1.15	
Breakdown torqu	ue : 29	90 %	Temperatu	ure rise	: 80 K	
Rated speed	: 14	460 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
Rev. Changes Summary		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				12 / 16	











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5			6		
		 2.620 1.969 50 2.750 	8 8 1 1		Tches
					Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER
LED STEEL PREM. E		PREVI		DATE	
FC		WDD		ШВ	E A3
Produc	t Engineering	SHEET	1 / 1		XME

CONTRACTOR CONTRA	For 60Hz: Class I, Zone 2, IIC Class I, DIV2, Ca, AB, C, D - 13 DIV 2 Inverter Duty (5F1.00) CT 2:1/VT 1000:1	3.0 2.2 2.2 7.2213.81 7.2213.81 1.15 0.81 0.81 0.81 0.81 0.81.5% Err 89.5%	TERNATE RATING: 3.0HP 50Hz 190-220/380-415V 5F1.15 9.08-8.154.4.32A 1458FPM EFF 88.7% (TEV 5F1-15 For safe are-inverted rugh motor For 56H2 uso N VPM 1000:1 VT, 4:1 CT 506-322 MOBIL POLYTERX EM	14 ●15 ●16 11-80.0 12.041 12.041 13-046 14-81 12 ●13 13-046 14-81 12 ●13 19-884 RED 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HANGE ANY TWO LIVE WREES TO REVERSE THE ROTATION WINC. More marke by grounded neocodance with local and match and detectual coders to prevent reflore sections and matching detectual coders to prevent sections and shocks. Disconnect power source before servicing unit. A AFERTISESTEMENT: In more dont the mark and a further cont as coder electriques locature trafformats and a further cont grave. Deconnecter 1 allowmatch areant l'entrefer de la machine.
	MADE W MEXICO MAT: 12677332 CC029A WO1: TEOICOXON MODEL 00318ET3ER182TC-S 22APR2022 S/N:	Hz 60 C Hz 60 0.4.8.1 0K PE5 B 0K 243A BV 8.43A	ALTERNATE RATING: 3.0HP 50 9.08-8.15(4.54-4.32A 145 For safe area-inverter dufy moto DE 6206-2Z DDE 6205-2Z		INTERCHANGE ANY TWO LIVE WREES TO REVERSE THE ROTATION WARNING. MORA must be provined the accordance with local and national electrical codes to prevent enfoluse electrical shocks. Disconnect power source before servicing unit. AVERTISEMENT: In more and evaluate the two conformment any codes electriques locanx stand divine rout observed sectriques locanx stand divine rout observed and revertiques locanx stand divine rout observed and accounce to l'alimentation arount trentrefer de la macilite.