DATA SHEET

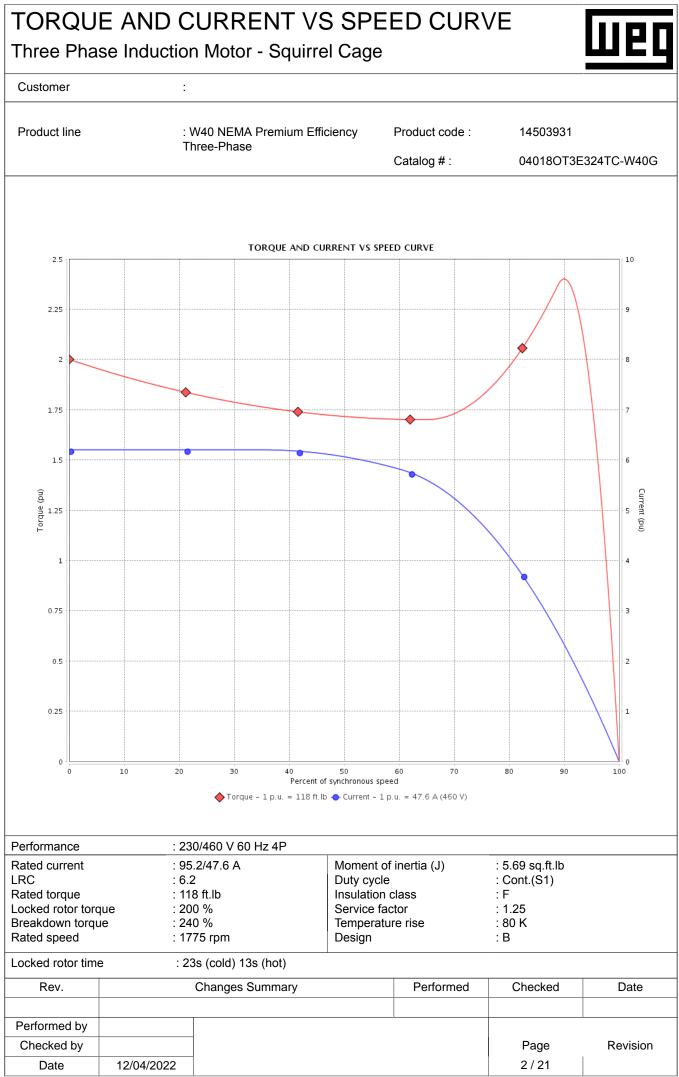
Three Phase Induction Motor - Squirrel Cage

:



Customer

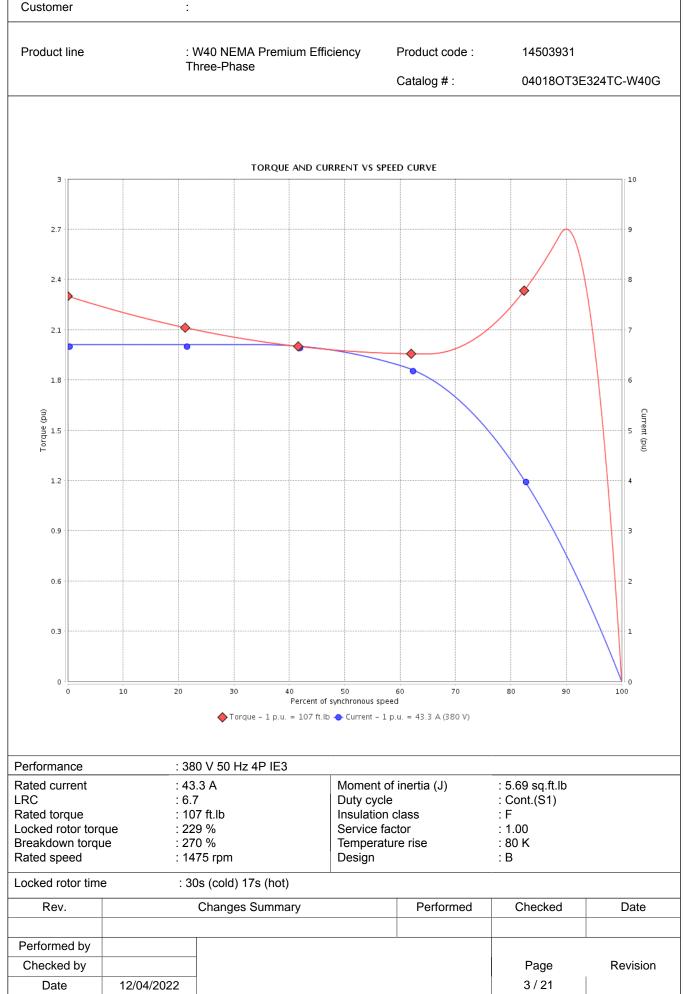
Product line		: W40 NEMA Premium Efficiency		ncy P	roduct code :	14503931	14503931	
		Three-Phase		C	atalog # :	04018OT	3E324TC-W40G	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 324TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 465 lb : 5.69 sq.ft.lb		
•			1	20	2	0	20	
Output [HP] Poles		40		30 4		0 4	<u> </u>	
Frequency [Hz]		60		50		0	50	
Rated voltage [V]		230/460		380		00	415	
Rated current [A]		95.2/47.6		43.3	42		41.7	
L. R. Amperes [A]		590/295			28		313	
RC [A]		6.2x(Code G)			6.7x(C		7.5x(Code J)	
No load current [A	1	37.0/18.5		18.3).3	22.1	
Rated speed [RPN		1775		1475		80	1480	
Slip [%]		1.39		1.67		33	1.33	
Rated torque [ft.lb]	1	118		107		06	106	
ocked rotor torqu		200	229			50 50	280	
Breakdown torque		240	223			00	330	
Service factor		1.25	1.00			00	1.00	
Temperature rise		80 K	80 K			K K	80 K	
Locked rotor time		23s (cold) 13s (hot)	30s (cold) 17s (h				5s (cold) 14s (hot)	
Noise level ²		66.0 dB(A)		,	, ((
	25%	93.5	92.4		92	2.5	92.4	
	50%	93.6		92.6	92		92.4 92.5 93.0 93.0 0.34 0.59	
Efficiency (%)	75%	94.1		93.0	93			
	100%	94.1		93.0	93		92.5 93.0 93.0 0.34	
	25%	0.44	0.42		0.3			
	50%	0.70	0.68		0.0			
Power Factor	75%	0.80		0.78	0.			
	100%	0.84			81	0.79		
Bearing type Sealing Lubrication interval Lubricant amount		: 6312 Z C3 621 : Without W Bearing Seal Bear : 20000 h 20 : 21 g	6312 Z C36211 Z C3Max. tractionWithoutWithoutMax. compressionBearing SealBearing Seal20000 h20000 h21 g11 g					
Lubricant type		: Mobil Polyrex E	EM					
Notes USABLE @208V	105A SF 1.1	5 SFA 121A						
must be eliminate (1) Looking the m (2) Measured at 1	ed. otor from the m and with to veight subjec ocess.	icel the previous one, where the previous one, where shaft end. olerance of +3dB(A). It to changes after	hich		average values ply, subject to th		with sinusoidal pulated in NEMA	
Rev.		Changes Summary	,		Performed	Checked	Date	
Performed by								
Checked by						Page	Revision	
	10/0 / 0					-		
Date	12/04/2022		_			1 / 21		
This day	www.entic.ev.elu	isive property of WEG S/A	Llongintig		und with out writton	المعاد مستند معاد بم		



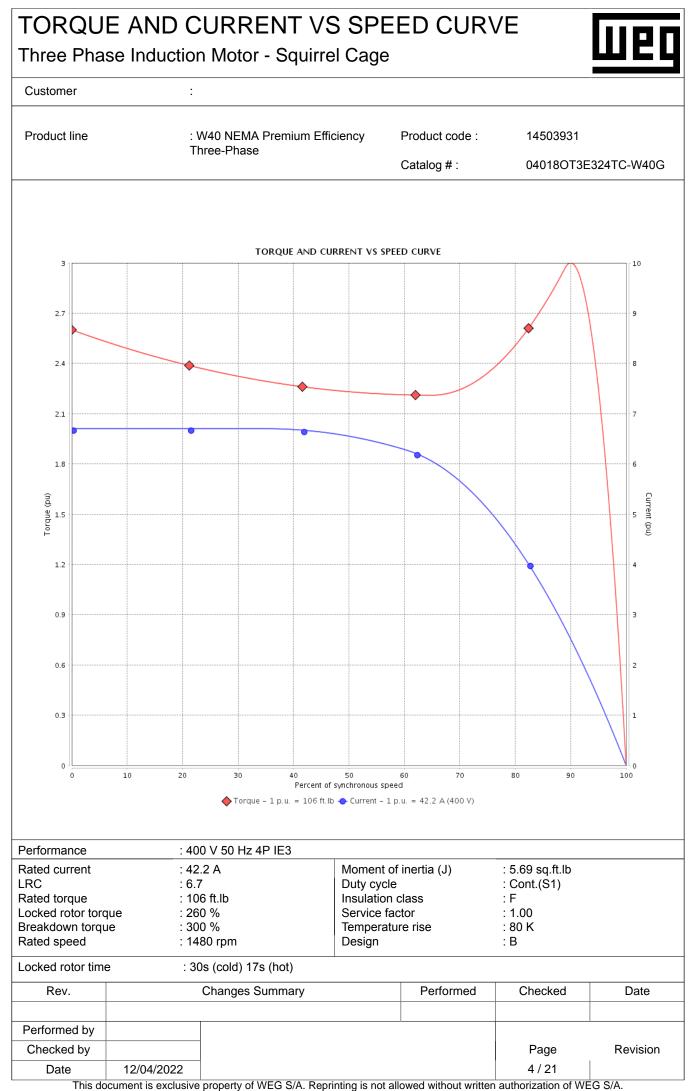
TORQUE AND CURRENT VS SPEED CURVE

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.

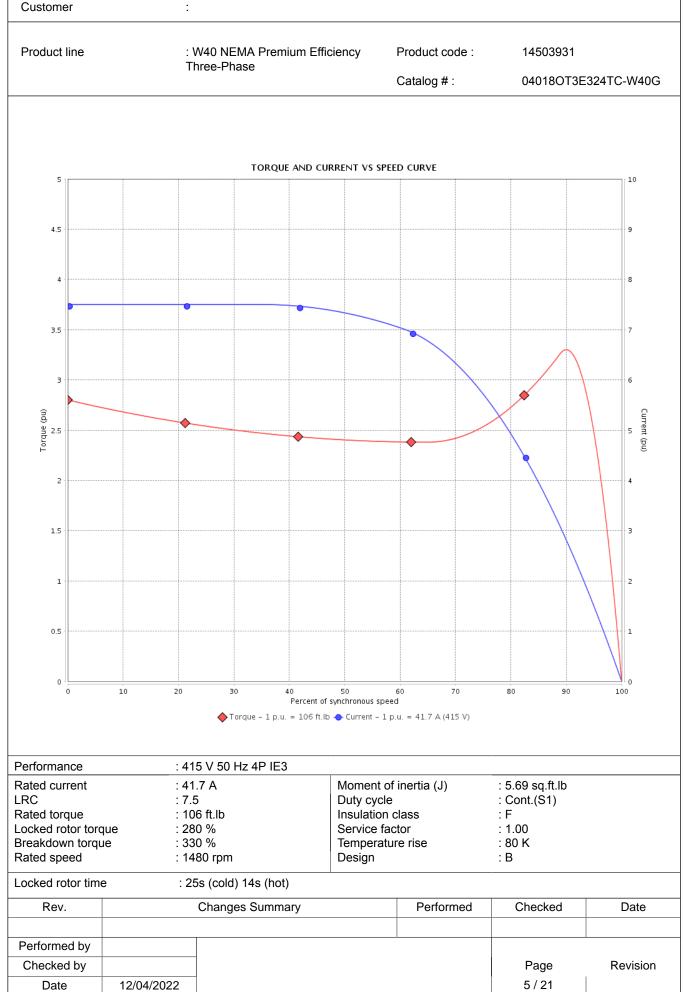


Subject to change without notice

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



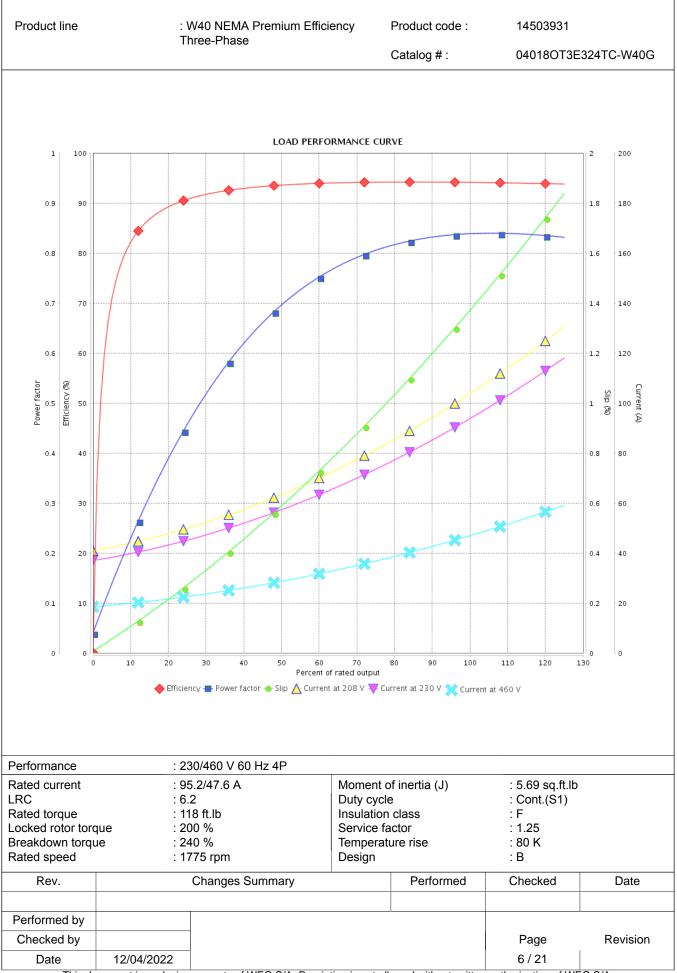
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

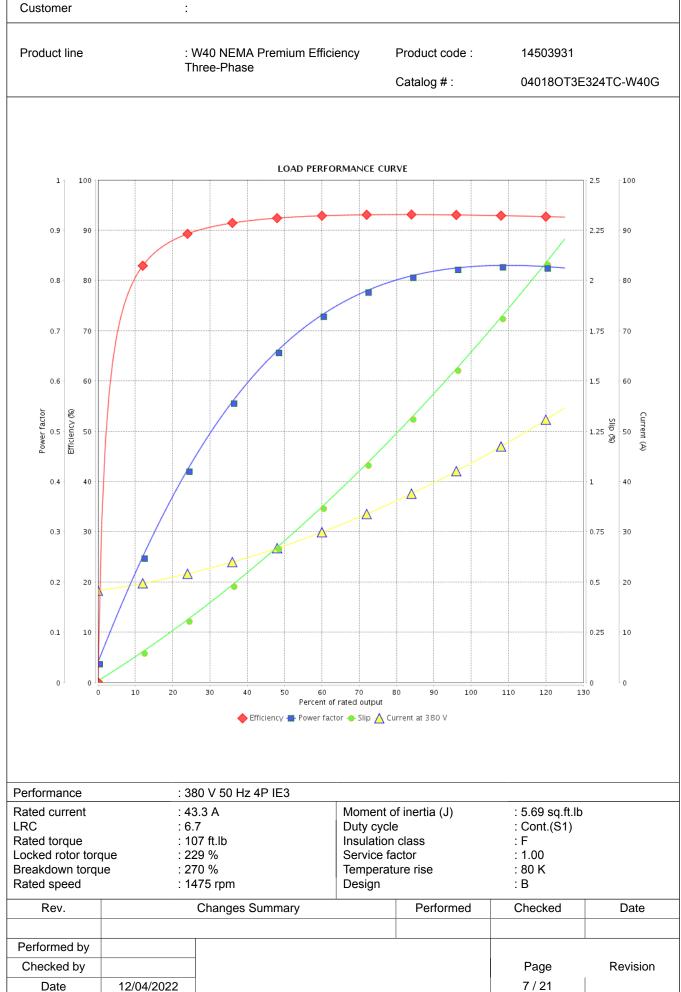


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



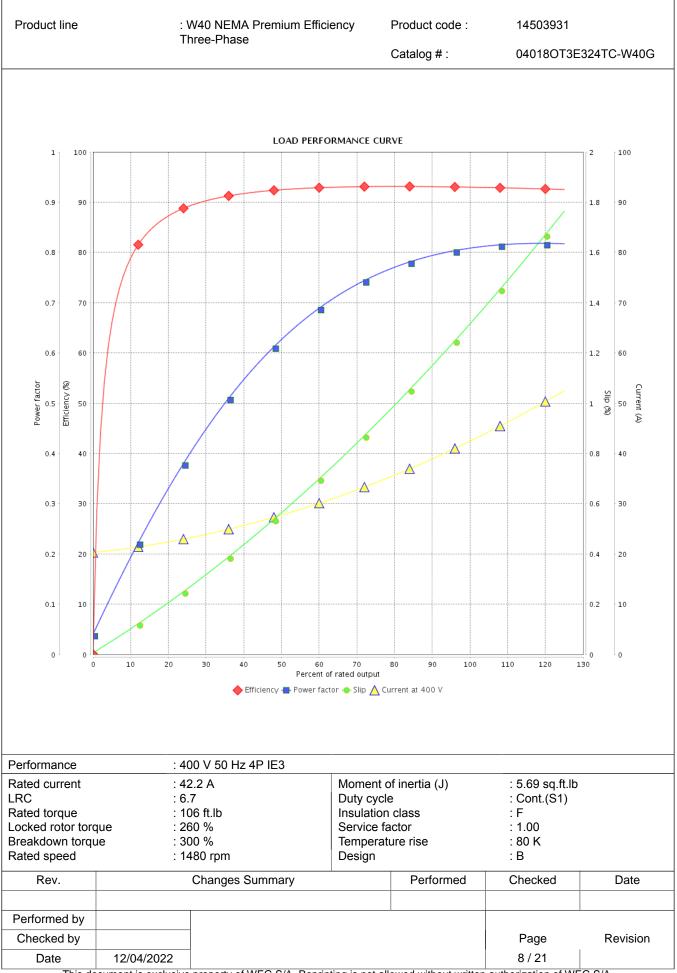
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

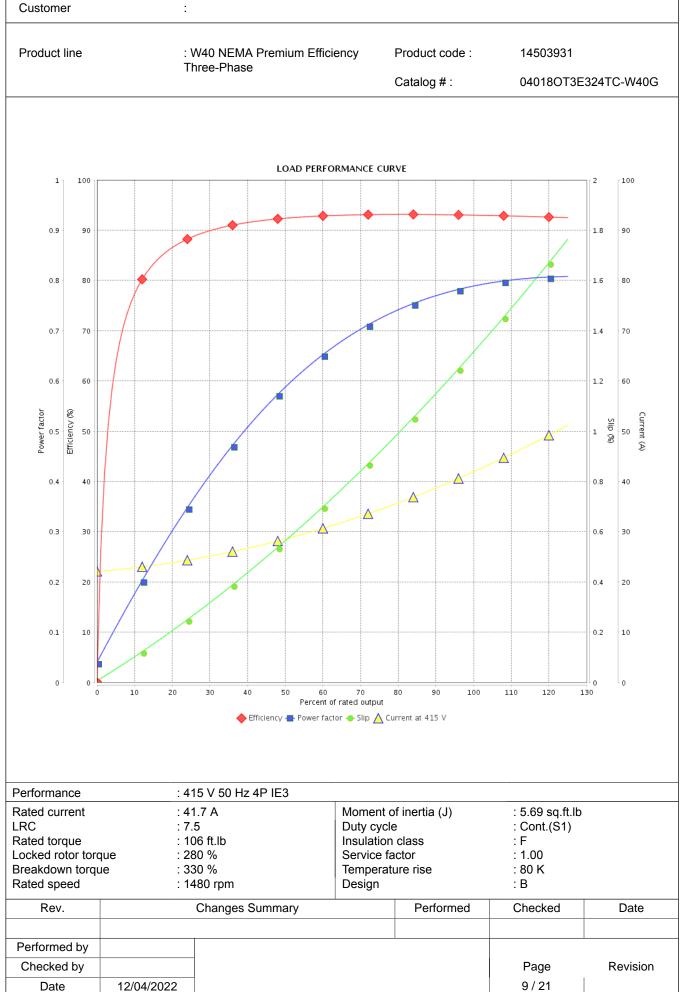


Customer



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.

Three Phase Induction Motor - Squirrel Cage

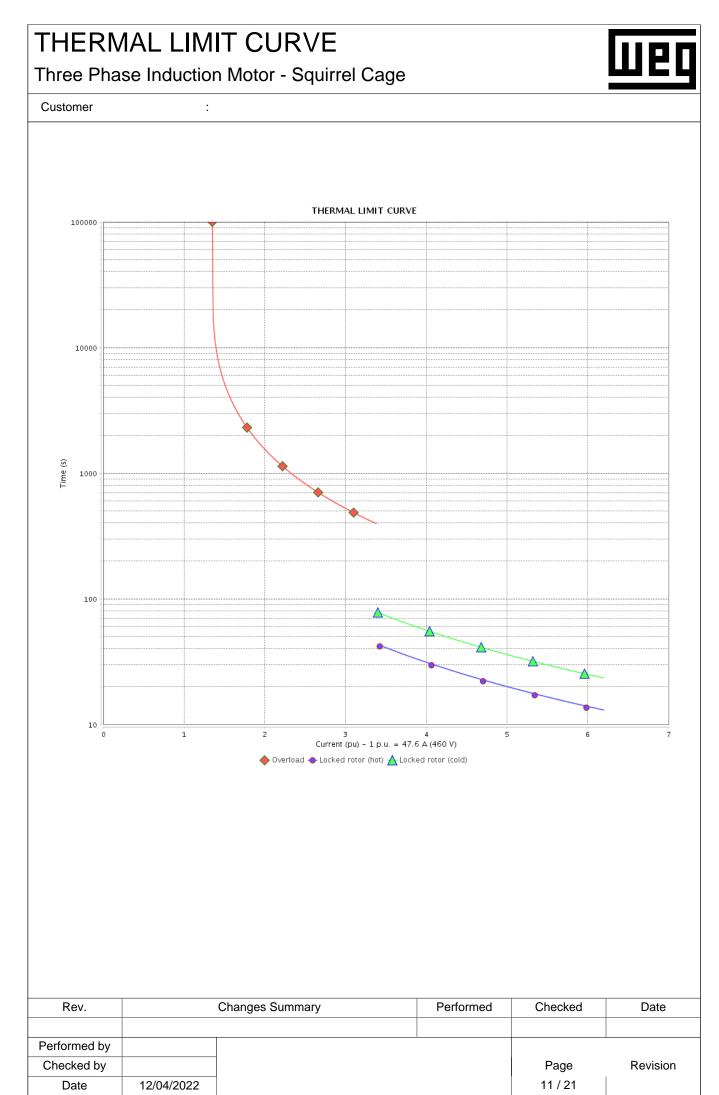
:



Customer

Product line		W40 NEMA Premium Efficie		Draduat aada :	14502021	
FIGUUCLIME		hree-Phase	-	Product code :	14503931	
				Catalog # :	04018OT3E3	24TC-W40G
Performance		30/460 V 60 Hz 4P				
Rated current LRC	: 9 : 6	5.2/47.6 A	Moment o	f inertia (J)	: 5.69 sq.ft.lb : Cont.(S1)	
Rated torque		.2 18 ft.lb	Duty cycle Insulation class		: F	
Locked rotor tore	que : 2	00 %	Service factor		: 1.25	
Breakdown torqu Rated speed		40 % 775 rpm	Temperatu Design	ure rise	: 80 K : B	
			Design		. ບ	
Heating constan						
Cooling constant	t	Character Other		Derferme	Ob list l	D-1-
Rev.		Changes Summary		Performed	Checked	Date
Dorformenthy		1				
Performed by		-			Dogo	Povinian
Checked by	12/04/2022	-			Page 10 / 21	Revision
Date	12/04/2022	1			10/21	

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



Three Phase Induction Motor - Squirrel Cage

:



Customer

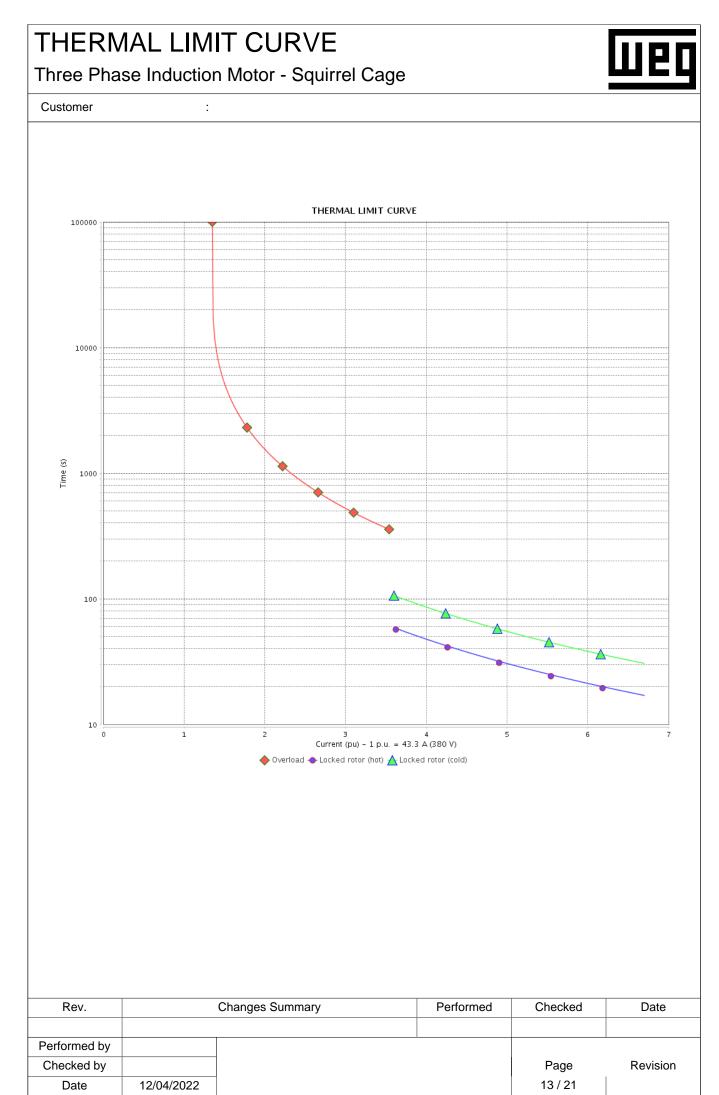
Product line	: W40 NEMA Premium E Three-Phase	fficiency	Product code :	14503931	
			Catalog # :	04018OT3E3	24TC-W40G
Performance	: 380 V 50 Hz 4P IE3				
Rated current	: 43.3 A		of inertia (J)	: 5.69 sq.ft.lb	
LRC Rated torque	: 6.7 : 107 ft.lb	Duty cycle Insulation	e Lolass	: Cont.(S1) : F	
Locked rotor torque	: 229 %	Service fa	actor	: 1.00	
Breakdown torque Rated speed	: 270 % : 1475 rpm	Temperate Design	ure rise	: 80 K : B	
Heating constant	· .				
Cooling constant					
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

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

12/21

12/04/2022

Date



Three Phase Induction Motor - Squirrel Cage

:



Customer

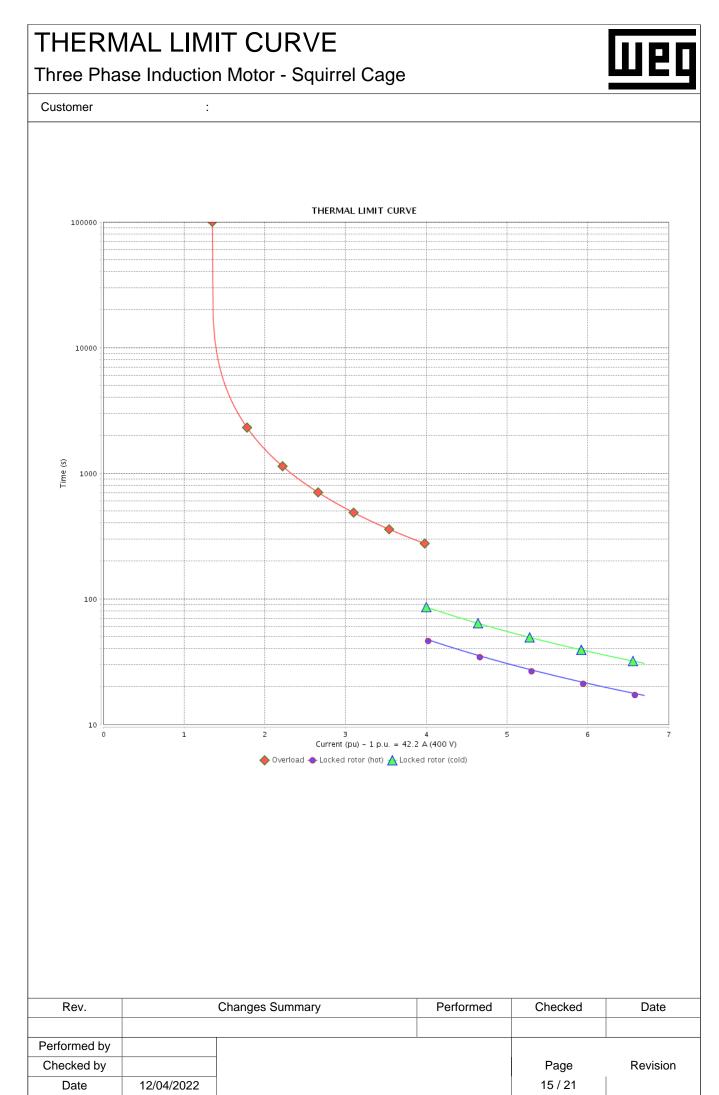
Product line	: ' T	W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14503931	
				Catalog # :	04018OT3E3	24TC-W40G
Performance	: 40	00 V 50 Hz 4P IE3				
Rated current LRC	: 4: : 6:	2.2 A 7	Moment o Duty cycle	f inertia (J)	: 5.69 sq.ft.lb : Cont.(S1)	
Rated torque	: 10	06 ft.lb	Insulation	class	: F	
Locked rotor torqu Breakdown torque		60 % 00 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed		480 rpm	Design		: B	
Heating constant						
Cooling constant		Ohan saa O				
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision

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

14/21

12/04/2022

Date



Three Phase Induction Motor - Squirrel Cage

:



Customer

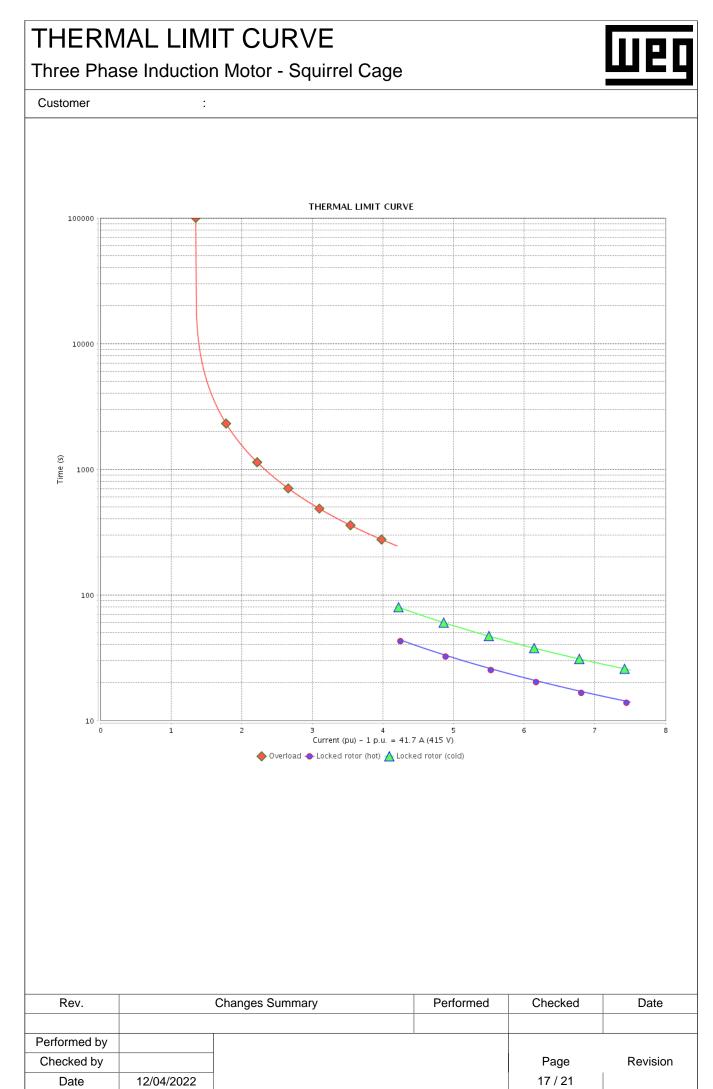
Product line	: W40 NEMA Premium Efficie Three-Phase	ency l	Product code :	14503931	
		(Catalog # :	04018OT3E3	24TC-W40G
Performance	: 415 V 50 Hz 4P IE3				
Rated current	: 41.7 A	Moment o	f inertia (J)	: 5.69 sq.ft.lb	
LRC Rated torque	: 7.5 : 106 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F	
Locked rotor torque	: 280 %	Service fa	ctor	: 1.00	
Breakdown torque Rated speed	: 330 % : 1480 rpm	Temperatu Design	ure rise	: 80 K : B	
Heating constant	•				
Cooling constant					
Rev.	Changes Summary		Performed	Checked	Date
Dorformed by					
Performed by Checked by				Page	Revision

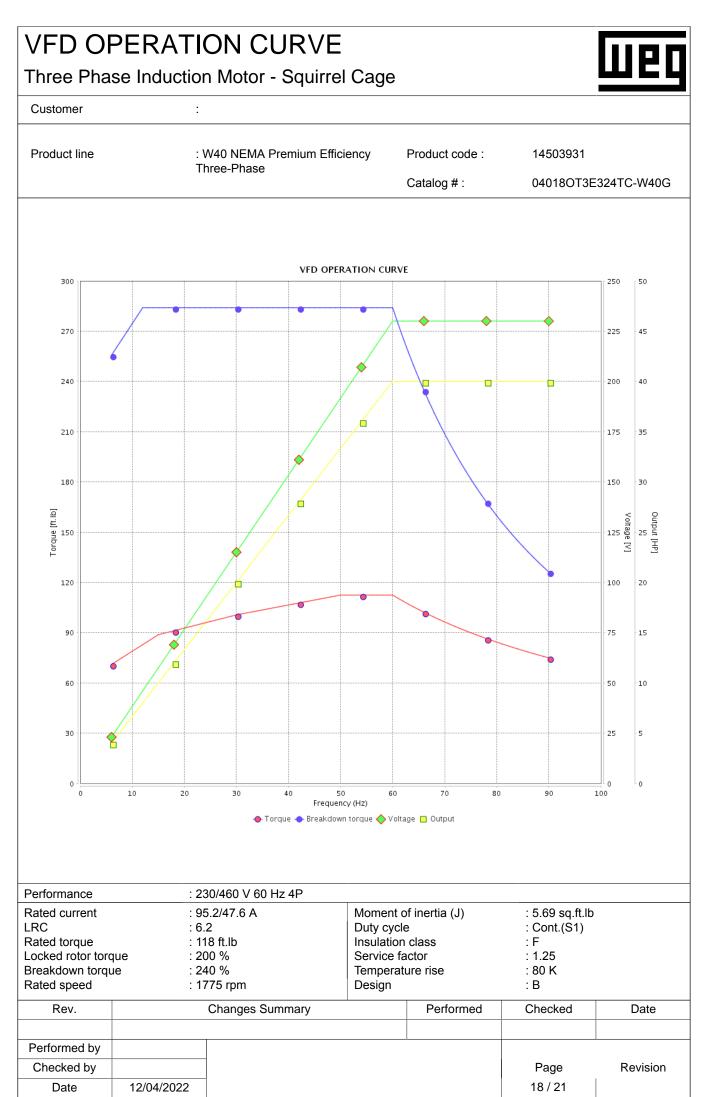
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

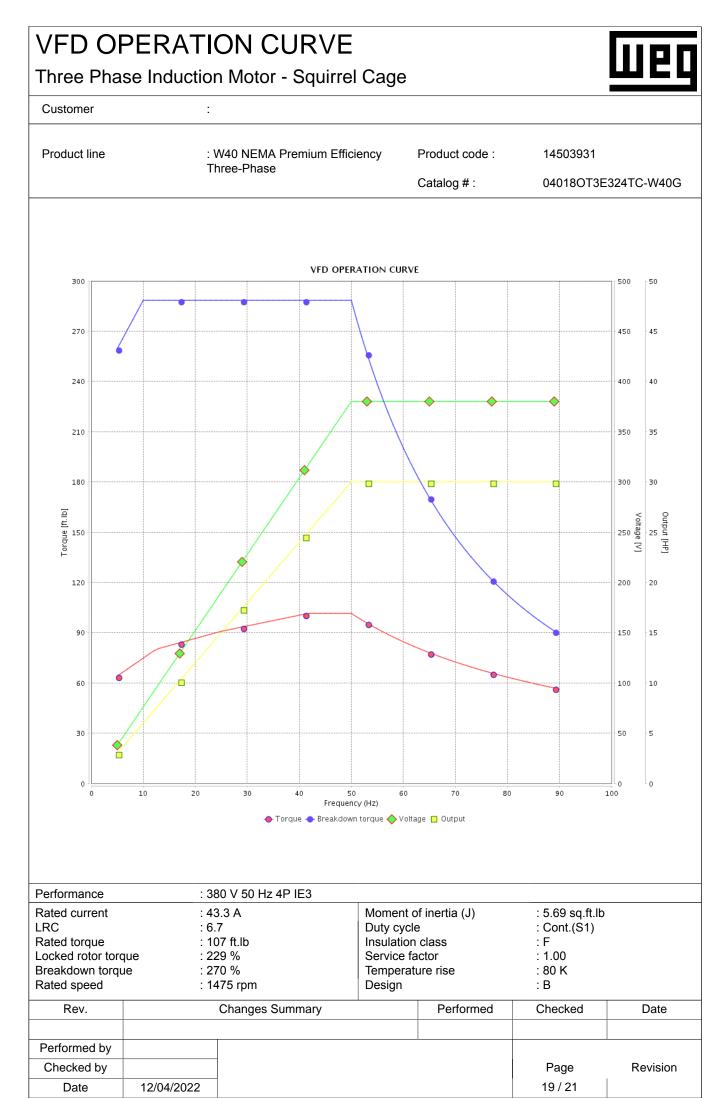
16/21

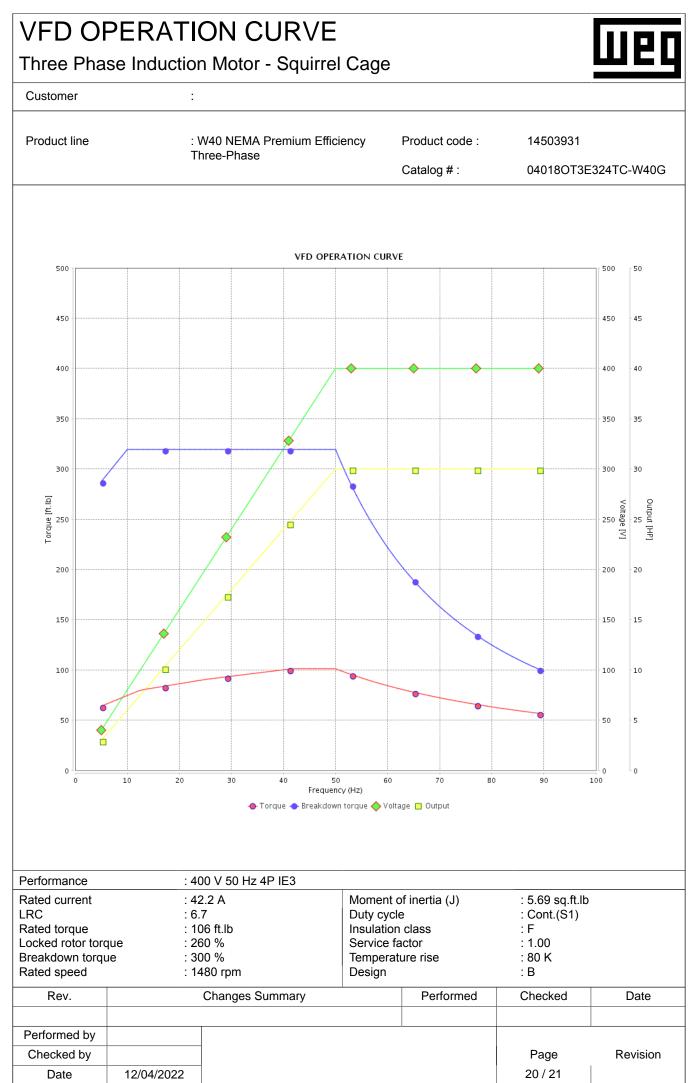
12/04/2022

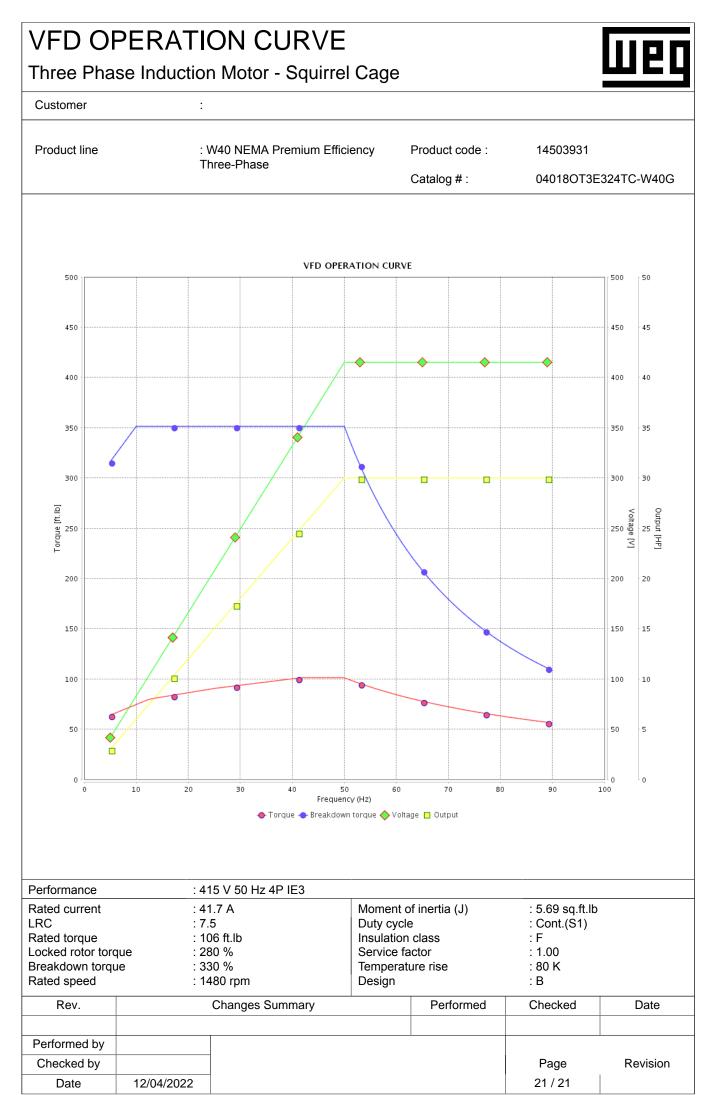
Date

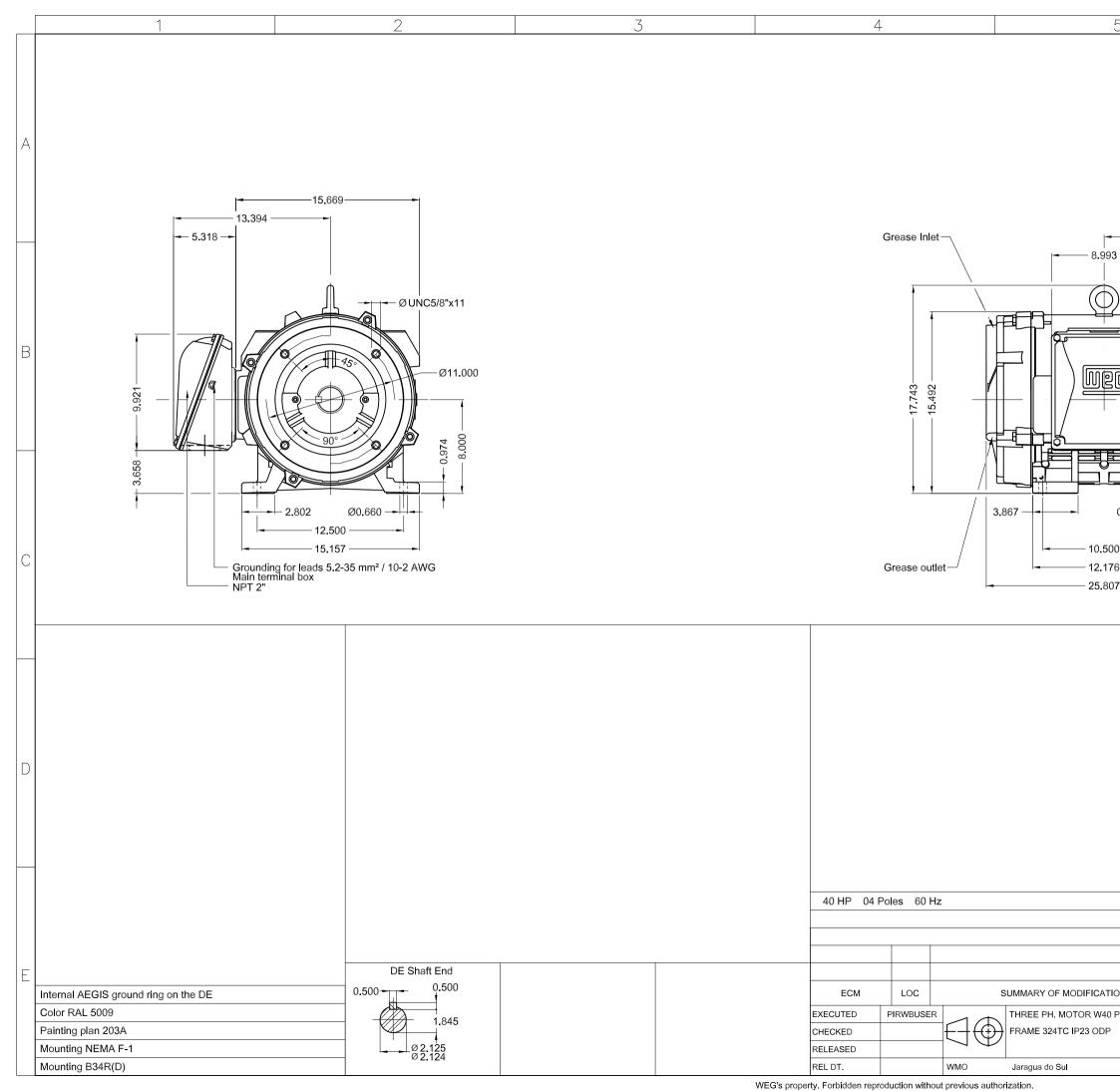












5	6	
10.500		
	Grease Inlet	
// 		
╼┽╴╷╢═┚		
0.846	0.250	
76	Grease outlet	
07		
		0
		inche
		ions in
		Dimensions in inches
	A	
	1:8	
IONS	EXECUTED CHECKED RELEASED DATE VER	
PREM. EFF.	PREVIEW	
		A3
Produc	st Engineering SHEET 1 / 1	XME

