# DATA SHEET

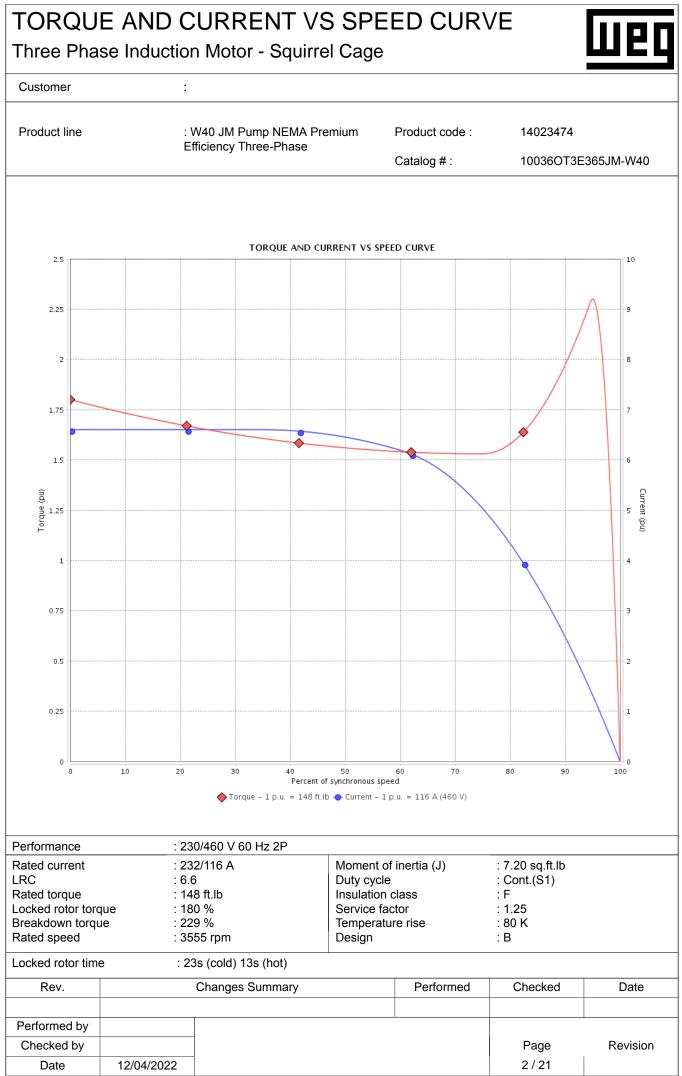
Three Phase Induction Motor - Squirrel Cage

:



#### Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		ium Pi	roduct code :	14023474	14023474	
				C	atalog # :	10036OT	3E365JM-W40	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degree		: 364/5JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23		Cooling m Mounting Rotation <sup>1</sup> Starting m Approx. w Moment c	nethod	: IC01 - C : F-1 : Both (CV : Direct O : 774 lb : 7.20 sq.	W and CCW) n Line	
Design		: B						
Dutput [HP]		100		75	7	5	75	
Poles		2		2	2		2	
requency [Hz]		60		50	5		50	
ated voltage [V]		230/460		380	40		415	
ated current [A]		232/116		103	10		97.8	
. R. Amperes [A]		1531/766		773	80		773	
RC [A]	_	6.6x(Code G)	7.5	5x(Code H)	8.0x(C		7.9x(Code J)	
lo load current [A		59.0/29.5		28.5	32		35.0	
Rated speed [RPN	/ ]	3555		2960	29		2967	
Slip [%]		1.25		1.33	1.2		1.10	
Rated torque [ft.lb]		148		133	13		133	
ocked rotor torqu		180		220	24		250	
Breakdown torque	[%]	229		260	28		320	
Service factor		1.25		1.00	1.0		1.00	
emperature rise		80 K		80 K	80		80 K	
ocked rotor time		23s (cold) 13s (hot)	19s (o	cold) 11s (ho	ot) 18s (cold)	10s (hot) 1	9s (cold) 11s (hot)	
loise level <sup>2</sup>	2E0/	84.0 dB(A)		00 0		2	00 0	
	25%	92.2		88.0 90.2	88		88.2	
Efficiency (%)	50%	92.4	90.2		90		90.3	
/	75%	93.6			92		92.0	
	100%	93.6		94.3	94		94.3	
	25%	0.55		0.53	0.4		0.47	
Power Factor	50% 75%	0.77		0.74 0.83	0.0		0.70	
	100%	0.84		0.83	0.0		0.80 0.83	
	100%	Drive end Non dr	ive end	Foundation	n loads	04	0.65	
Bearing type Sealing Lubrication interv Lubricant amoun		: Without Wi Bearing Seal Beari : 14418 h 20	2 Z C3 ithout ing Seal 000 h I3 g	Max. tracti Max. comp		: 1068 lb : 1843 lb		
Lubricant type		: Mobil Polyrex E						
Notes USABLE @208V	257A SF 1.1	15 SFA 295A						
must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the m and with t veight subjec ocess.	ncel the previous one, when shaft end. olerance of +3dB(A). ot 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	
Date	12/04/202	2				1 / 21		
		isive property of WEG S/A						

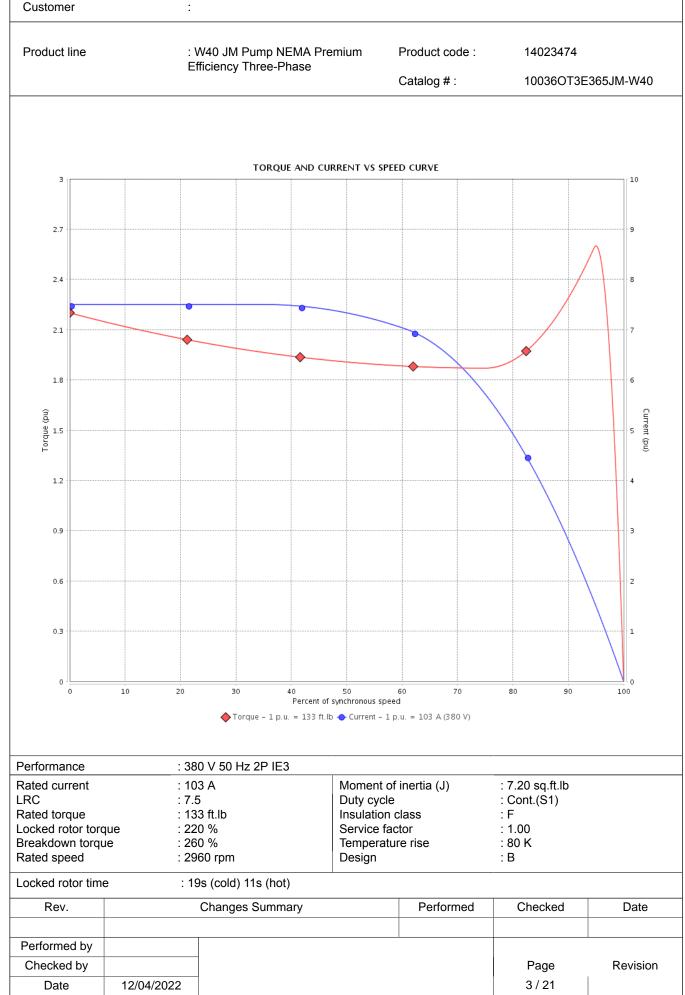


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

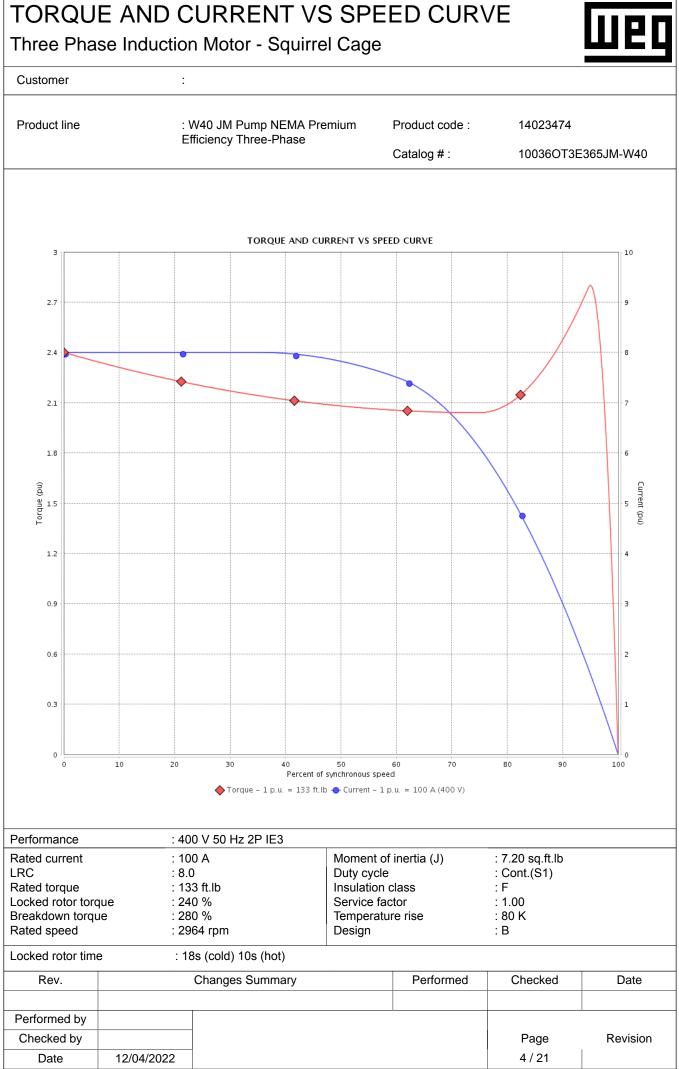
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



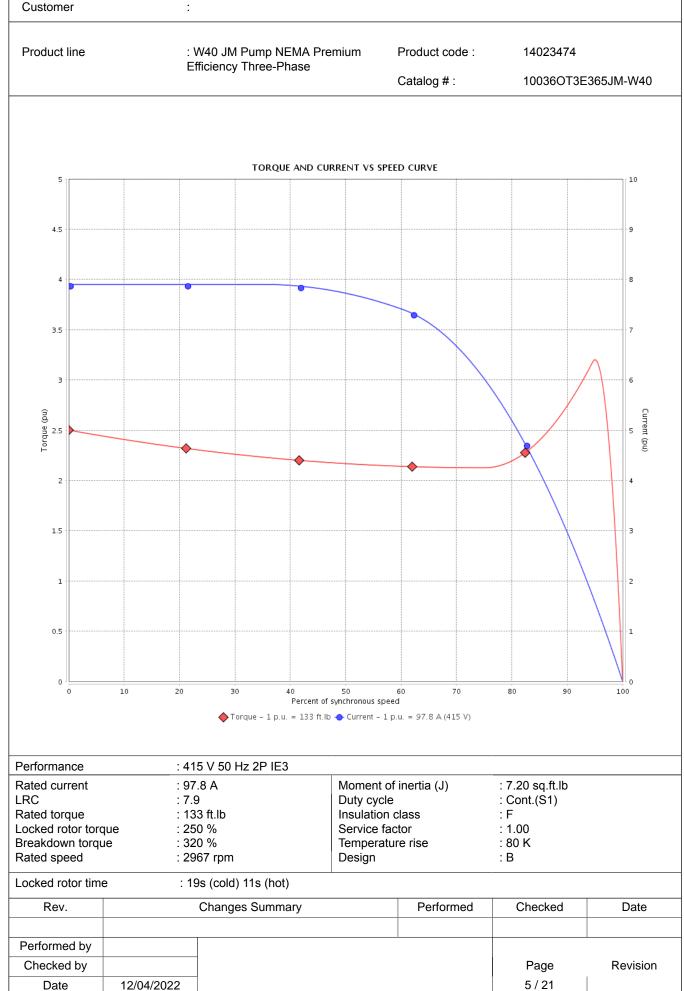
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



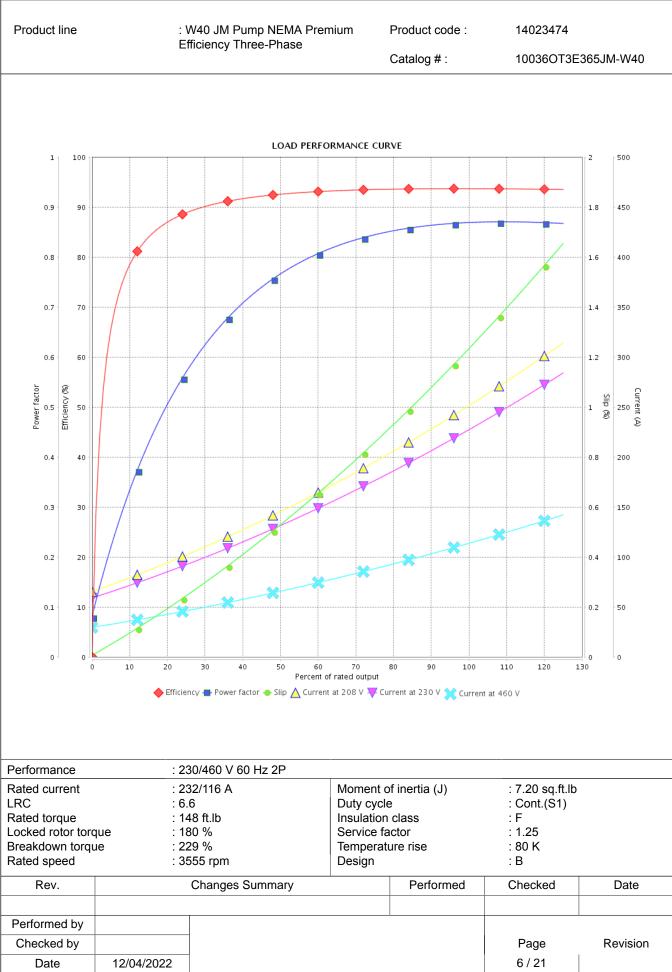
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:



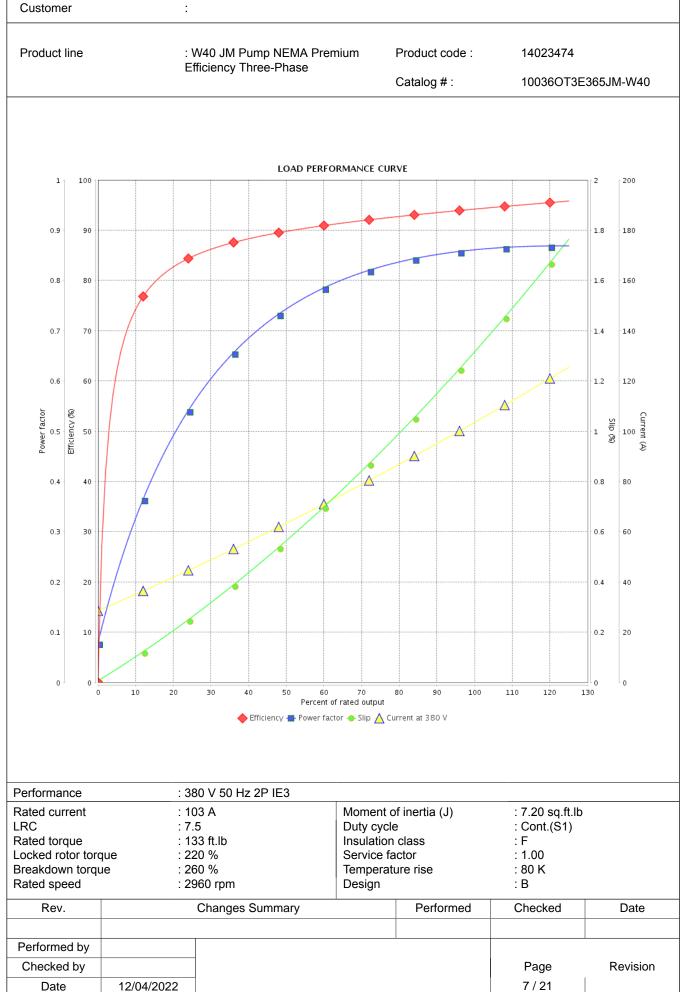
Customer



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



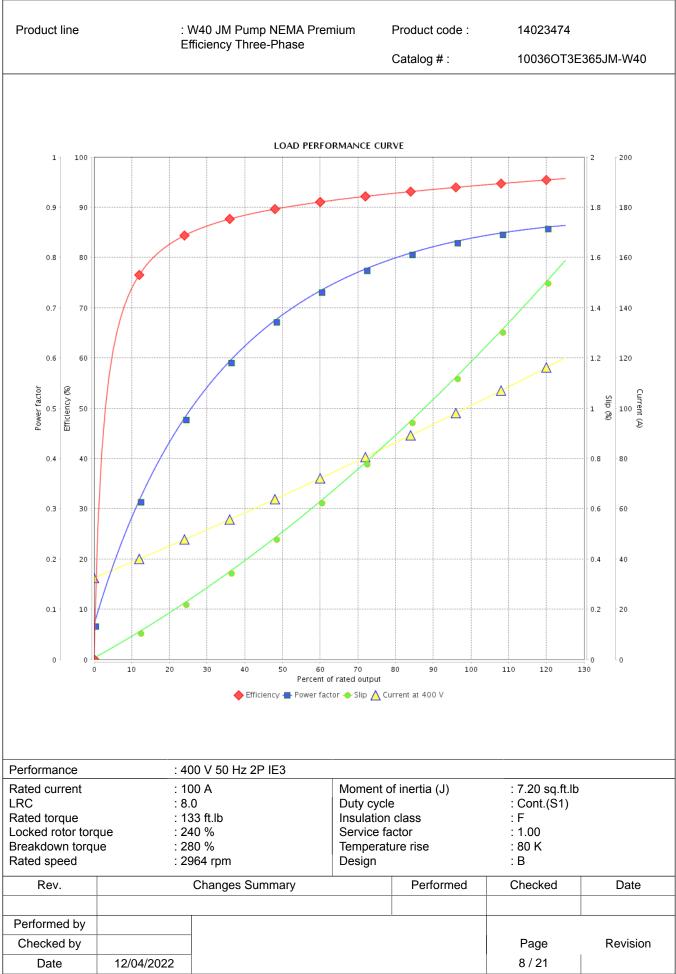
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

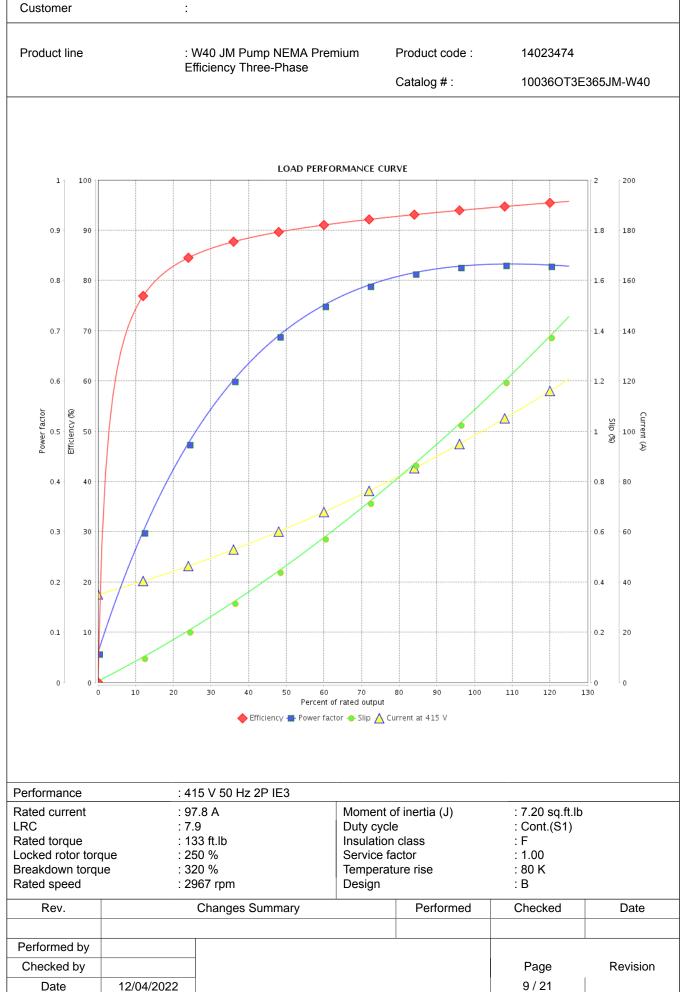


Customer



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.

## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

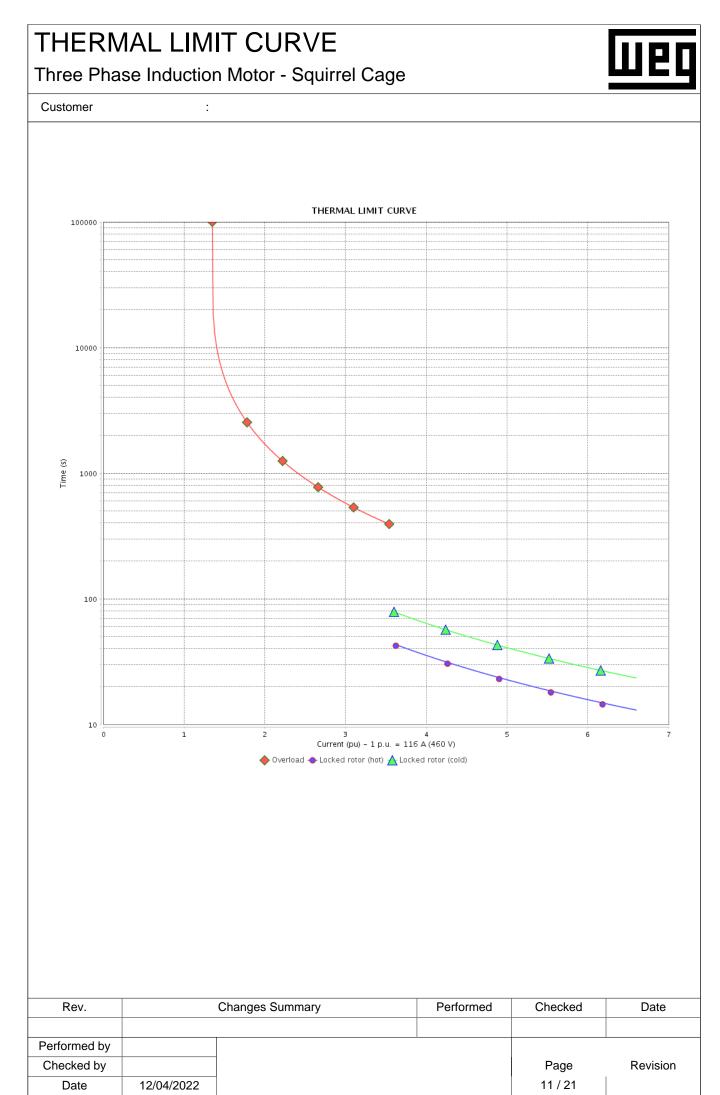
:



Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14023474 10036OT3E3	14023474 10036OT3E365JM-W40	
Performance	: 2	30/460 V 60 Hz 2P					
Rated current		32/116 A	Moment of	of inertia (J)	: 7.20 sq.ft.lb		
LRC	: 6		Duty cycle	e	: Cont.(S1)		
Rated torque Locked rotor torq		: 148 ft.lb Insulatio : 180 % Service			: F : 1.25		
Breakdown torqu	e : 2	29 %	Temperat		: 80 K		
Rated speed	: 3	555 rpm	Design		: B		
Heating constant							
Cooling constant				r			
Rev.		Changes Summary		Performed	Checked	Date	
		1					
Performed by		-					
Checked by		_			Page	Revision	
Date	12/04/2022				10/21		

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



## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

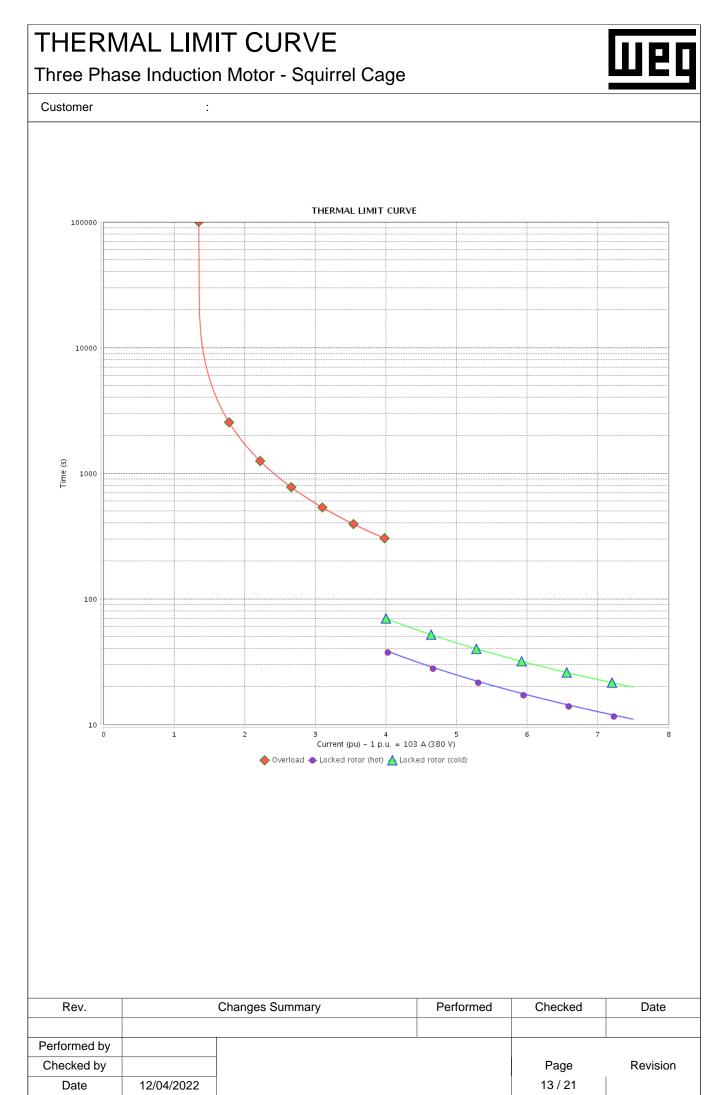
:



Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14023474	
				Catalog # :	10036OT3E36	55JM-W40
Performance	: 38	80 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 10 : 7. : 13 ue : 22 ie : 26	03 A	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 7.20 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant						
Rev.	·	Changes Summary		Performed	Checked	Date
		<u> </u>				
Performed by Checked by		-			Page	Revision
Date	12/04/2022	-			12 / 21	1101101011

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



## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

:

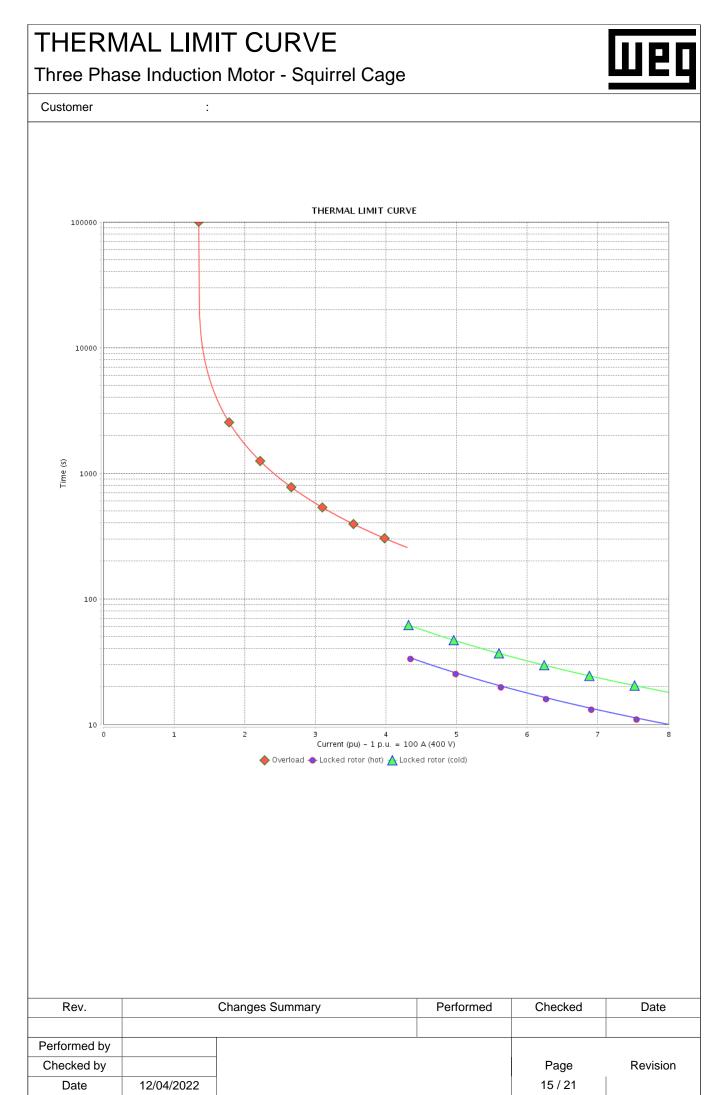


Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14023474	
		inclency milee-Fildse		Catalog # :	10036OT3E365JM-W40	
Performance	. 40	00 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 10 : 8. : 13 gue : 24 Je : 28	00 A	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 7.20 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constan	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Dorformadby						
Performed by Checked by	<u> </u>				Page	Revision
Date	12/04/2022				Page 14 / 21	17241910[]
24.0	,,					

 e
 12/04/2022
 14 / 21

 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
 14 / 21



## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

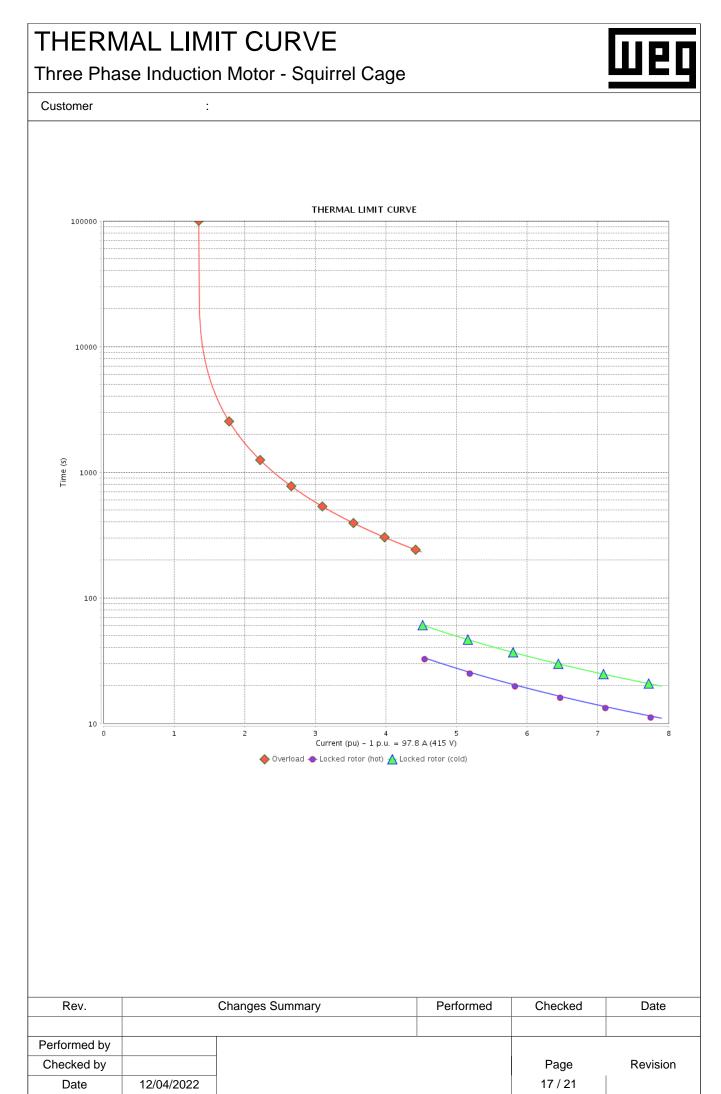
:

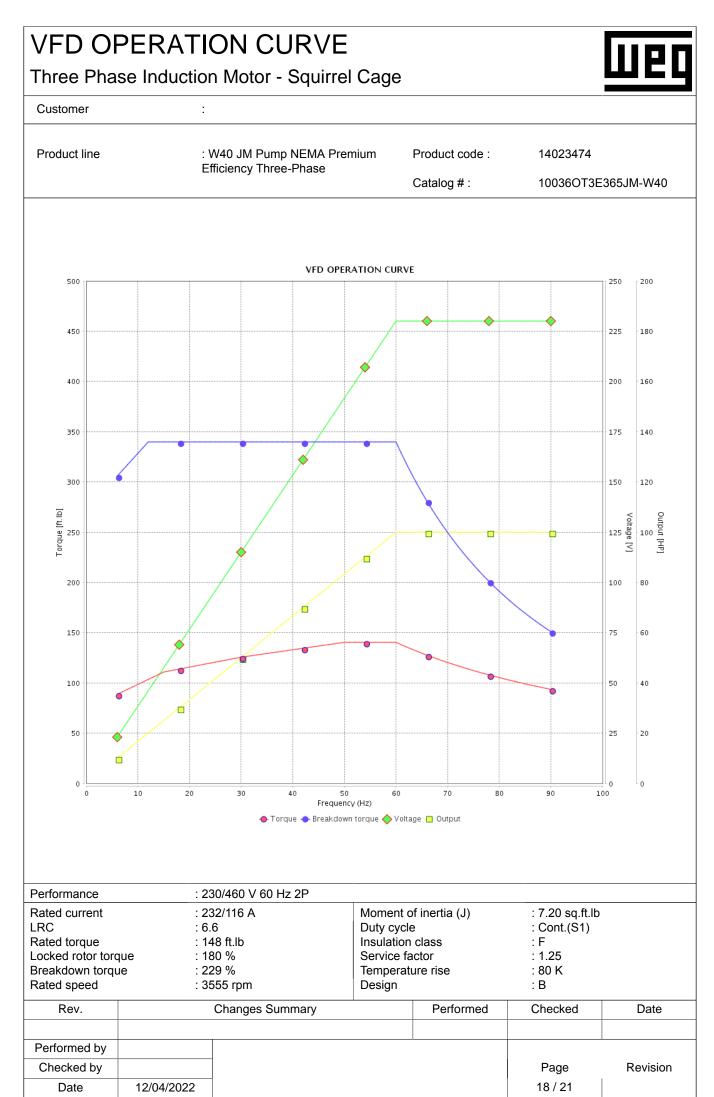


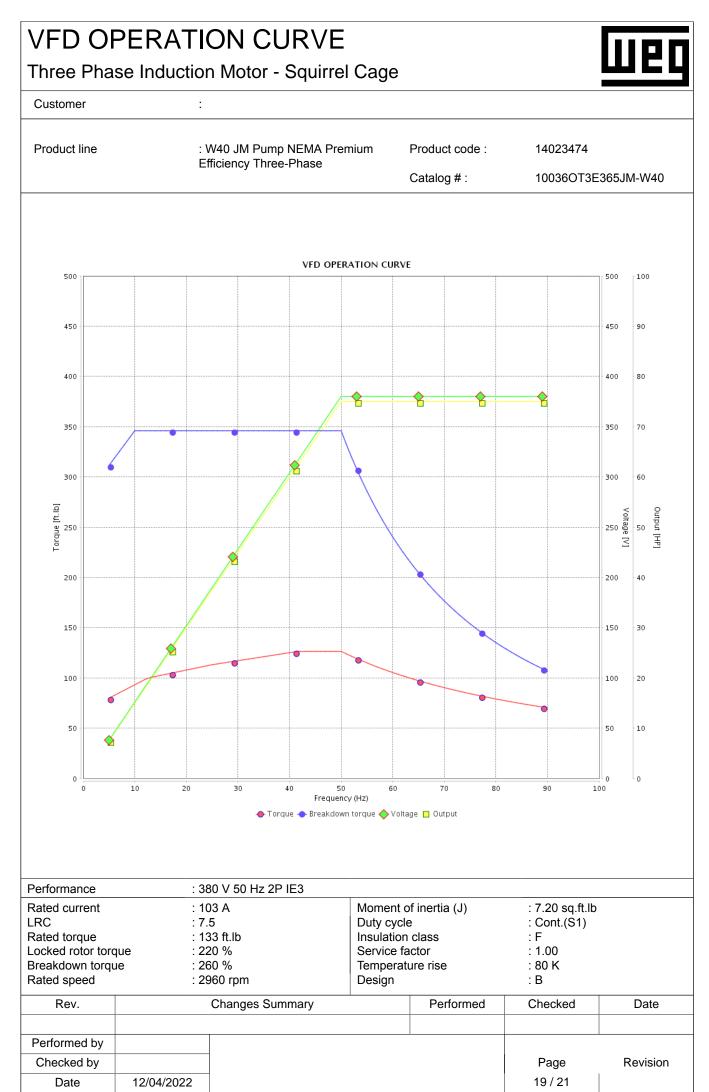
Customer

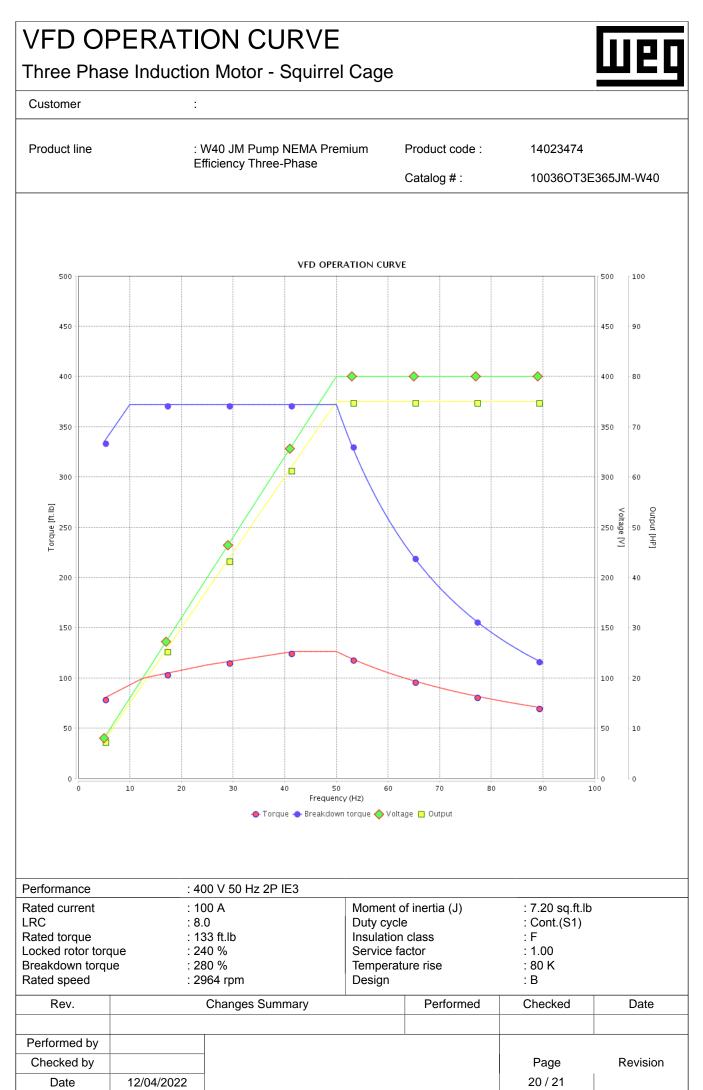
Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14023474	
		5		Catalog # :	10036OT3E36	65JM-W40
Dorformonoo						
Performance Rated current		15 V 50 Hz 2P IE3 7.8 A	Momente	f inertia (J)	: 7.20 sq.ft.lb	
LRC	: 7		Duty cycle	e inerita (J)	: Cont.(S1)	
Rated torque		: 133 ft.lb Insula		class	: F	
Locked rotor toro		: 250 % Service : 320 % Temper			: 1.00 : 80 K	
Breakdown torqu Rated speed		20 % 967 rpm	Temperatu Design	ure rise	: B	
Heating constan						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
Date	12/04/2022	1			16/21	

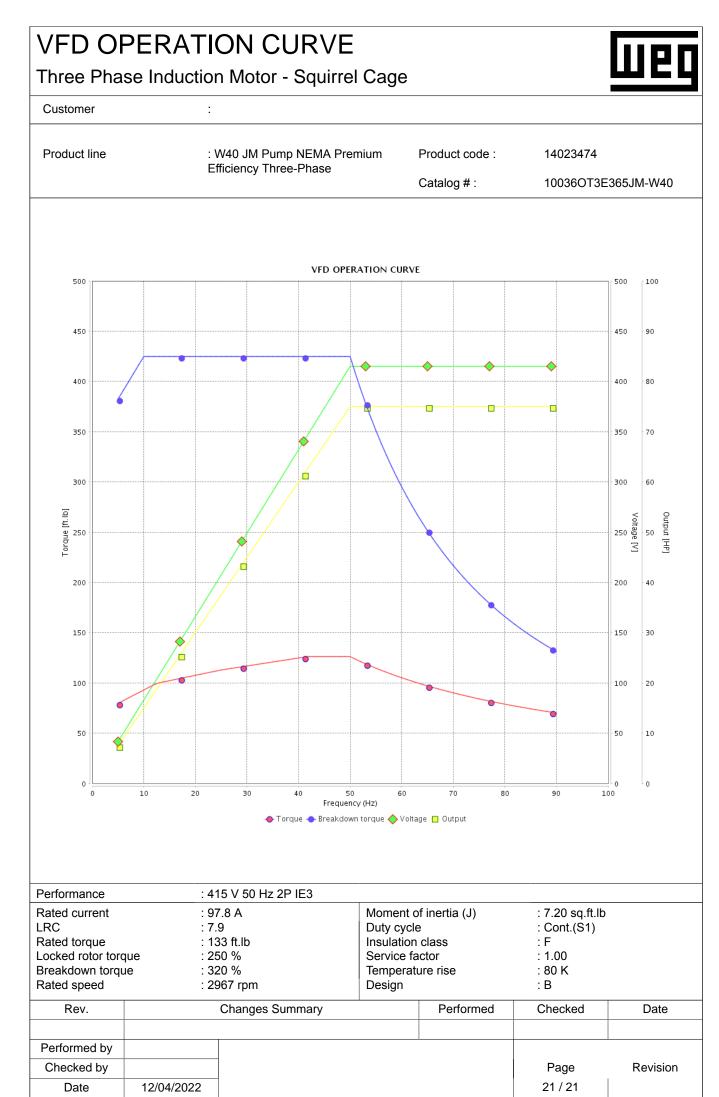
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

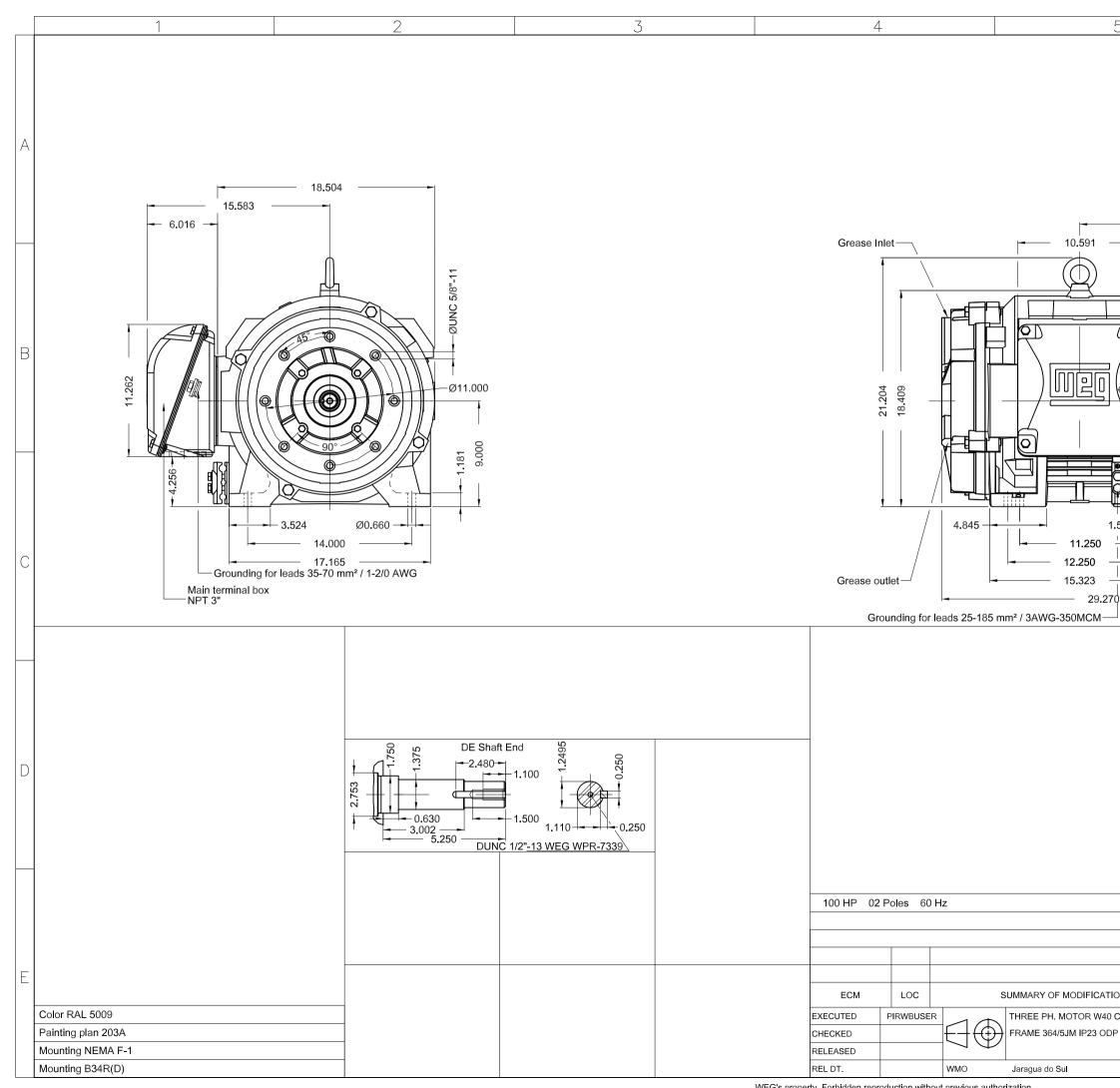












WEG's property. Forbidden reproduction without previous authorization.

5			6			
		-Grease Inlet	9 9 9			Dimensions in inches
					A	
				1:8		
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
CLOSE COUPLED P						
P						A3
Produc	t Engineering	WDD SHEET	1 / 1			XME
110000	nginooning   '		· / '			×