DATA SHEET

Three Phase Induction Motor - Squirrel Cage

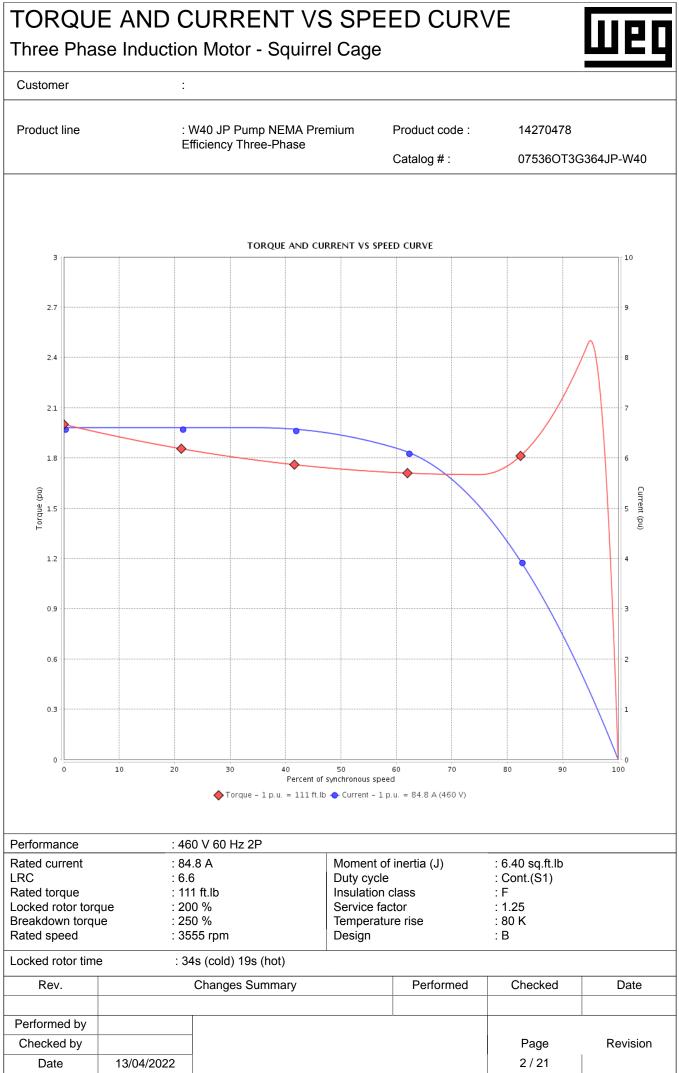
:



Customer

		: W40 JP Pump NEMA Premium Efficiency Three-Phase			Product code :		14270478	
				Catal	og # :	07536OT3G364JP-W40		
Frame		: 364/5JP		Cooling meth	od	: IC01 ·	- ODP	
Insulation class		: F		Mounting		: F-1		
Duty cycle		: Cont.(S1)		Rotation ¹			(CW and CCW)	
Ambient tempera	ature	: -20°C to +40°C		Starting meth			t On Line	
Altitude		: 1000 m.a.s.l.		Approx. weigl		: 743 lk	-	
Protection degre	е	: IP23		Moment of ine	ertia (J)	: 6.40 s	sq.ft.lb	
Design		: B						
Output [HP] Poles		75 2		60 2	60 2		<u> </u>	
requency [Hz]		60		50	50		50	
Rated voltage [V]		460		380	400		415	
		84.8		82.7	79.4		78.4	
Rated current [A]								
. R. Amperes [A]		560		579 (Codo H)	588		588	
RC [A]	1	6.6x(Code G)	1.0	x(Code H)	7.4x(Co	· · ·	7.5x(Code H)	
lo load current [A	-	21.5		20.7	22.7		25.0	
Rated speed [RPN	/I]	3555		2955	296		2965	
Slip [%]		1.25		1.50	1.23		1.17	
Rated torque [ft.lb]		111		107	106		106	
ocked rotor torqu		200		190	220		220	
Breakdown torque	[%]	250		229	250		280	
Service factor		1.25		1.00	1.00		1.00	
emperature rise		80 K		80 K	80		80 K	
ocked rotor time				old) 15s (hot)	27s (cold) 2	15s (hot)	27s (cold) 15s (hot)	
loise level ²		84.0 dB(A)					A	
	25%	91.0		90.5	90.2		89.7	
Efficiency (%)	50%	91.7		91.7	91.4		91.0	
	75%	93.0		92.9	92.8		92.7	
	100%	93.6		94.0	94.0		94.0	
	25%	0.56		0.56	0.51		0.47	
Power Factor	50%	0.77		0.78	0.73		0.69	
	75%	0.84		0.85	0.83		0.80	
	100%	0.87		0.88	0.87		0.85	
			n drive end	Foundation loa	ads			
Bearing type			6212 Z C3	Max. traction		: 648 lb		
Sealing		: Without			Max. compression		b	
-			earing Seal	·				
Lubrication interv	/al	: 14418 h	20000 h					
Lubricant amoun	t	: 27 g	13 g					
Lubricant type		: Mobil Polyre	lobil Polyrex EM					
Notes		·····						
This revision real:	aces and car	ncel the previous one	which	These are ave	erage values h	ased on tes	sts with sinusoidal	
		ncel the previous one	, which				sts with sinusoidal stipulated in NEMA	
must be eliminate	ed.		, which				sts with sinusoidal stipulated in NEMA	
must be eliminate (1) Looking the m	ed. lotor from the	e shaft end.		power supply,				
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t	e shaft end. tolerance of +3dB(A).		power supply,				
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	ed. lotor from the Im and with t veight subjec	e shaft end.		power supply,				
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. tolerance of +3dB(A).		power supply,				
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. tolerance of +3dB(A).		power supply, MG-1.			stipulated 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 t weight subjec ocess.	e shaft end. tolerance of +3dB(A). ct to changes after		power supply, MG-1.	subject to the	tolerances	stipulated in NEMA	
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 t weight subjec ocess.	e shaft end. tolerance of +3dB(A). ct to changes after		power supply, MG-1.	subject to the	tolerances	stipulated in NEMA	

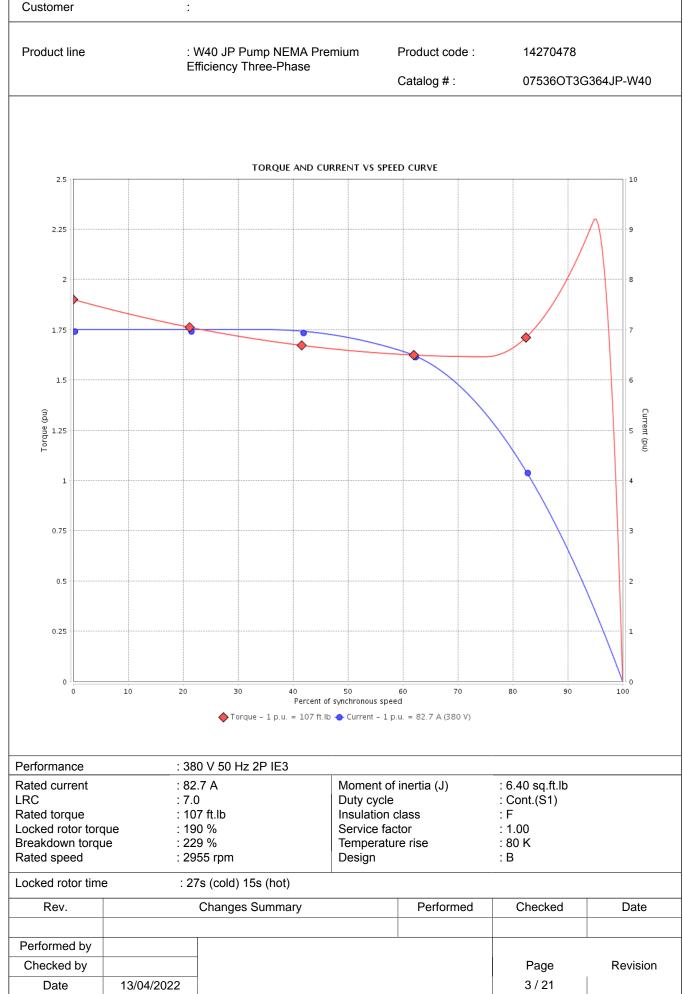
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



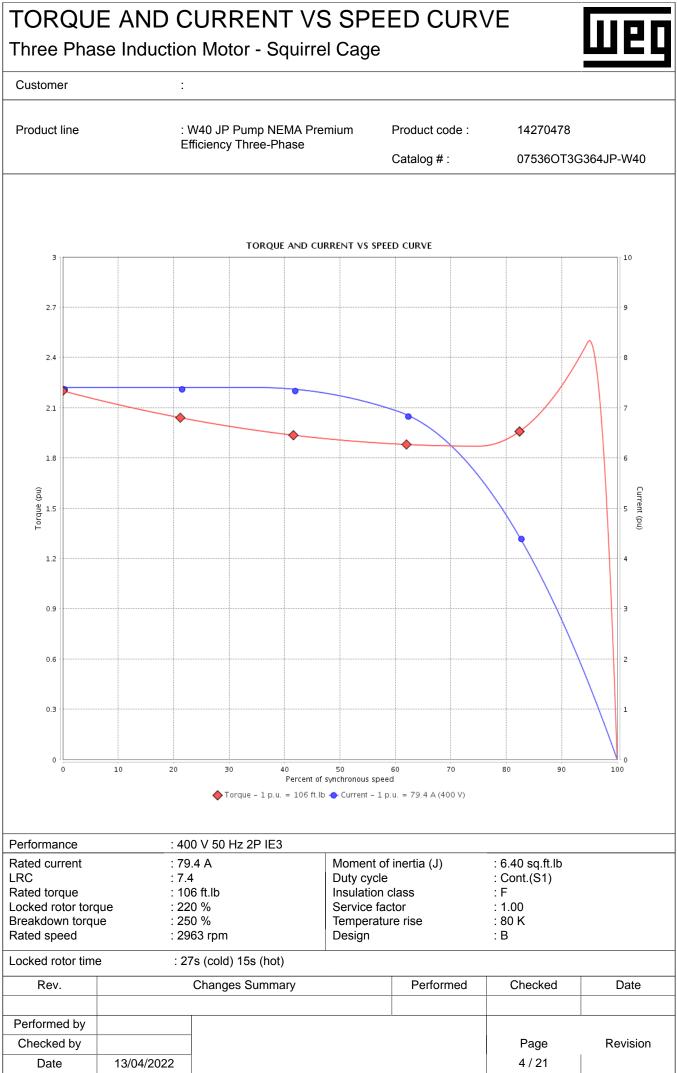
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



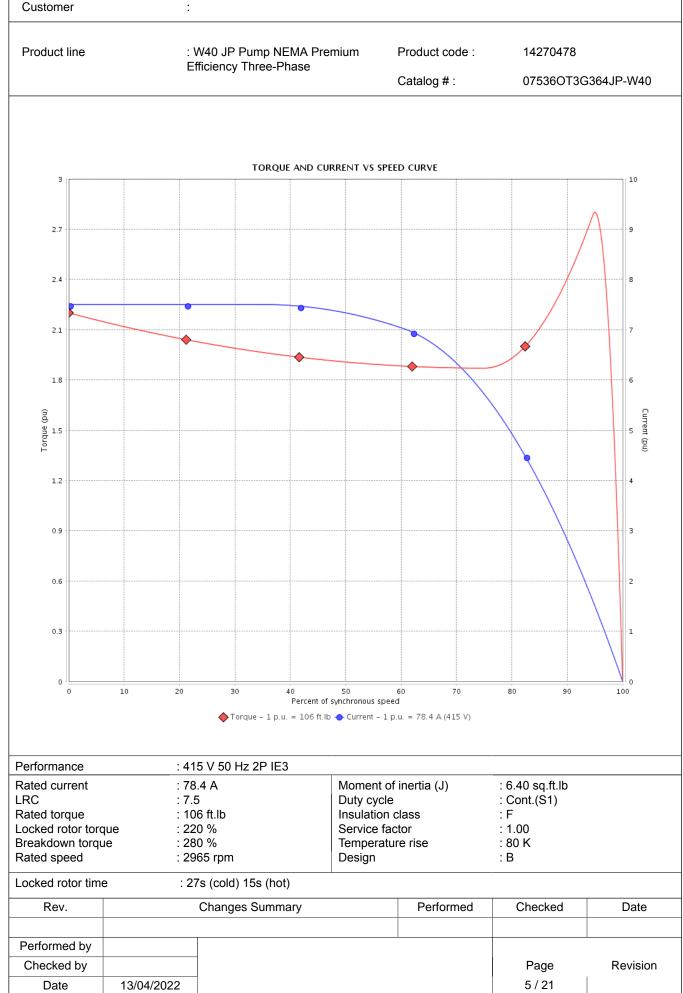
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



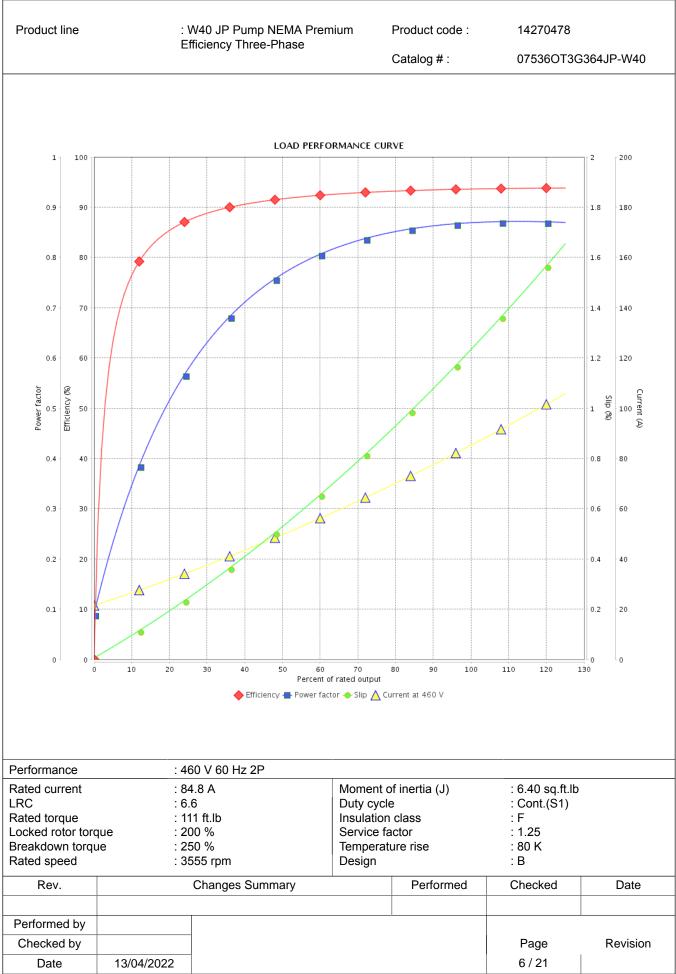
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

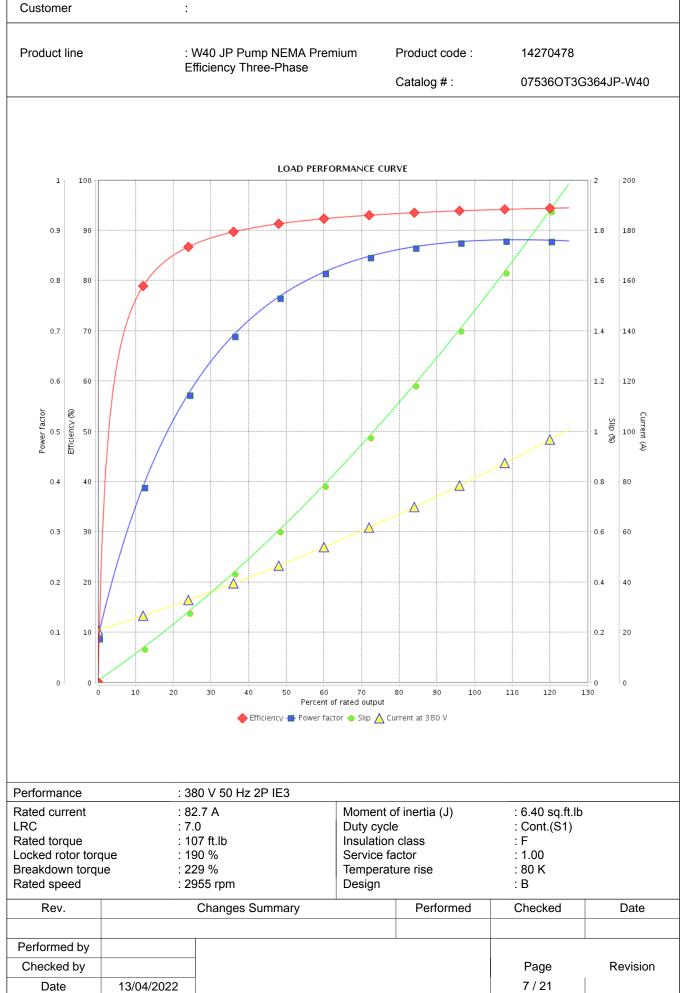


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



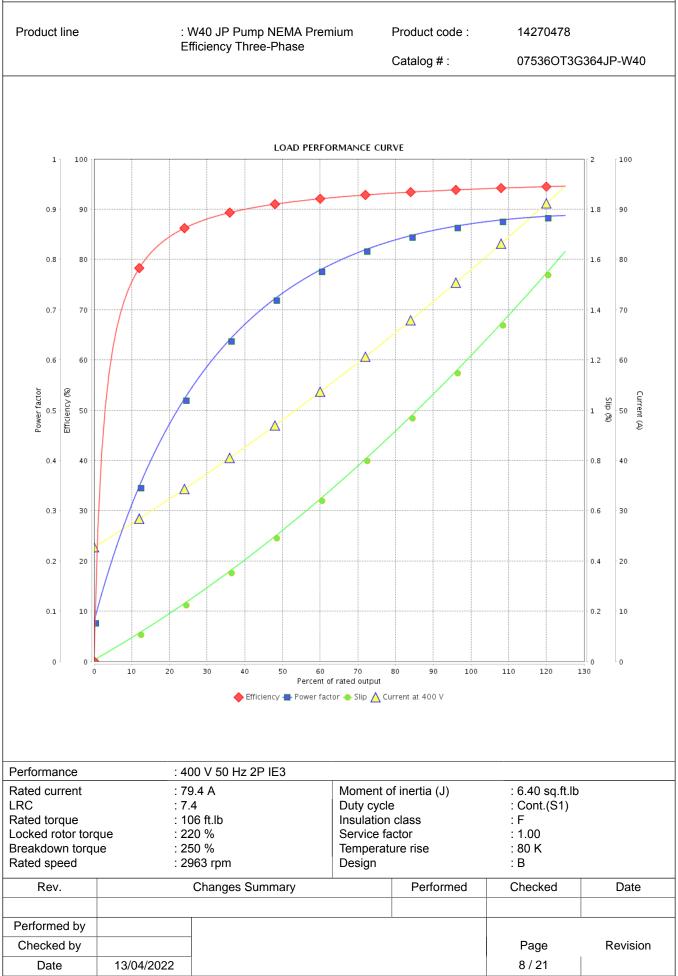
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

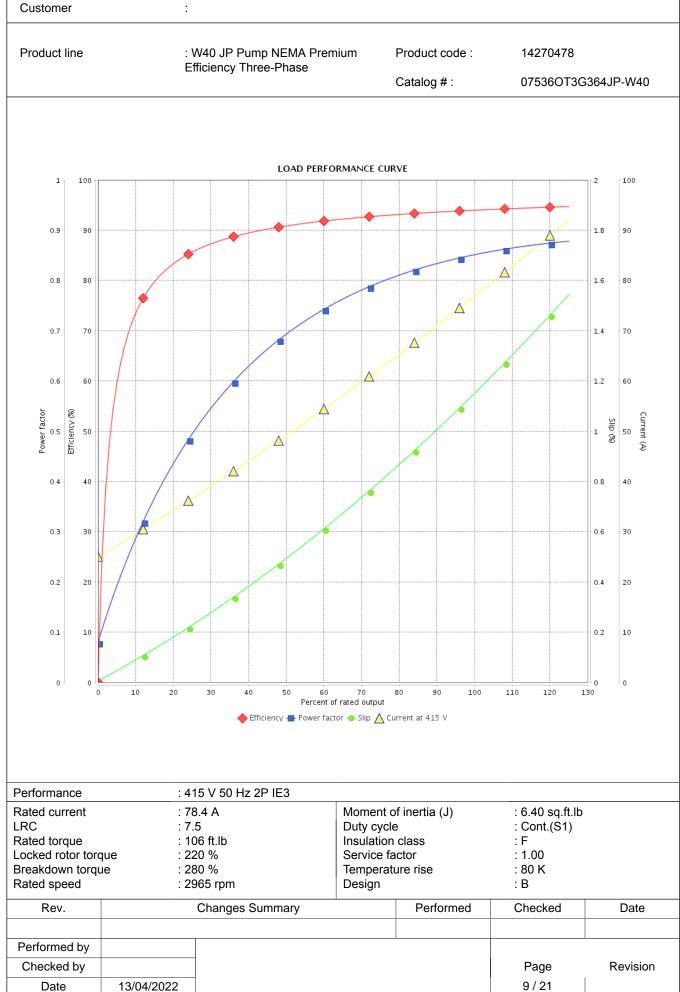


Customer



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

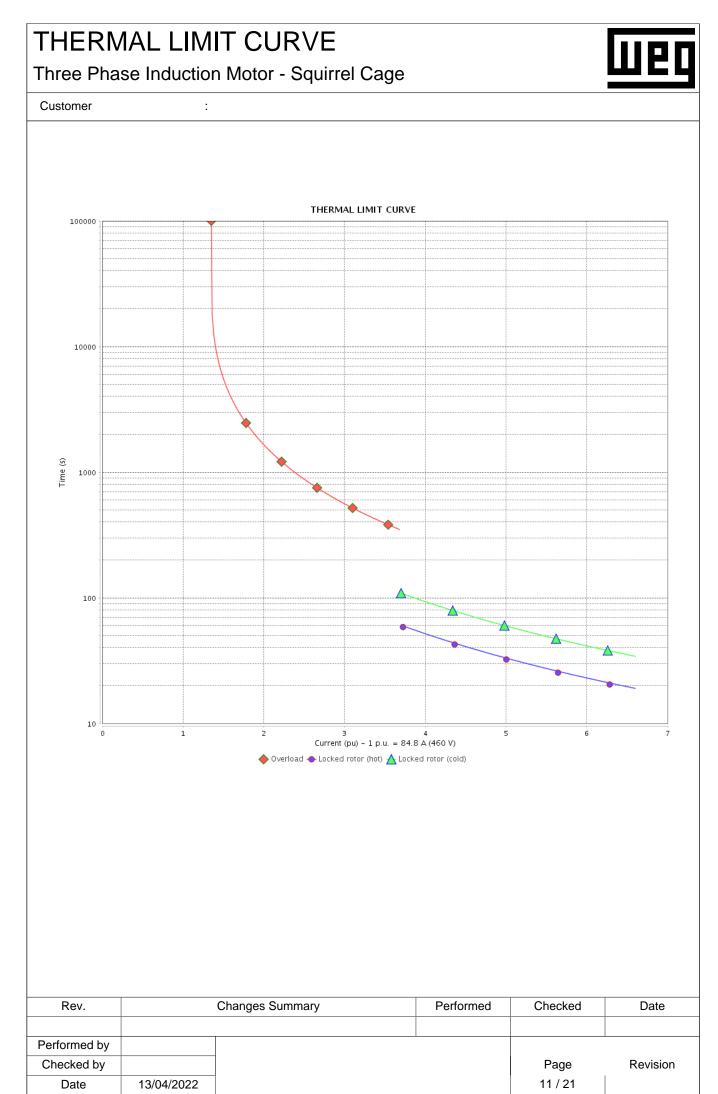
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: W40 JP Pump NEMA Prem Efficiency Three-Phase	Product code : Catalog # :	14270478 075360T3G3	364.IP-W40	
Performance	:	460 V 60 Hz 2P				
Rated current		84.8 A	Moment	of inertia (J)	: 6.40 sq.ft.lb	
LRC Rated torque		6.6 111 ft.lb	Duty cycl Insulatior		: Cont.(S1) : F	
Locked rotor toro	que :	200 %	Service f	actor	: 1.25	
Breakdown torqu Rated speed		250 % 3555 rpm	Tempera	ture rise	: 80 K : B	
			Design		. U	
Heating constant						
Cooling constant Rev.	[Changes Summary		Performed	Checked	Date
rtev.		Changes Summary		FEIIUIIIIEU	CHECKED	Dale
Performed by						
Checked by	<u> </u>				Page	Revision
Date	13/04/2022	-			10 / 21	



THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

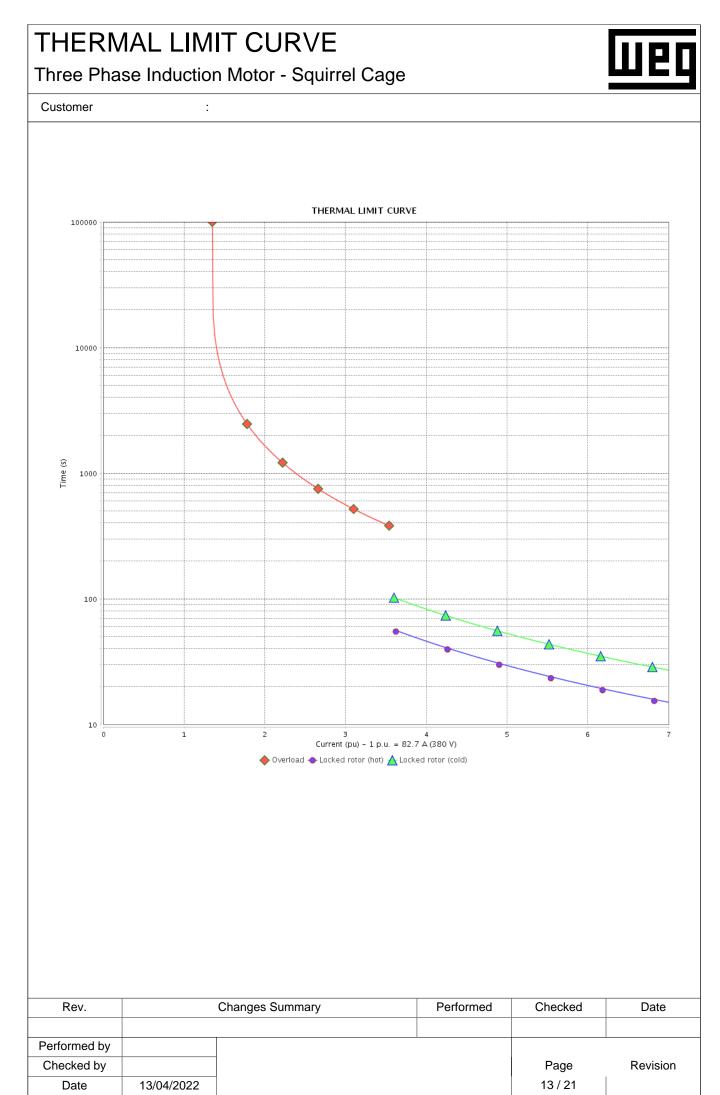
:



Customer

Product line	:	W40 JP Pump NEMA Premi	ium	Product code :	14270478	
	E	fficiency Three-Phase		Catalog # :	07536OT3G3	64JP-W40
Performance	• 2	80 V 50 Hz 2P IE3				
Rated current		2.7 A	Moment	of inertia (J)	: 6.40 sq.ft.lb	
LRC	: 7		Duty cycl	e	: Cont.(S1)	
Rated torque	: 1	07 ft.lb	Insulation	n class	: F	
Locked rotor torg		90 %	Service fa		: 1.00	
Breakdown torqu		29 % 955 rpm	Temperat	ure rise	: 80 K : B	
Rated speed		955 rpm	Design		. U	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
		1				
Performed by		_				
Checked by					Page	Revision
Date	13/04/2022				12/21	

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



THERMAL LIMIT CURVE

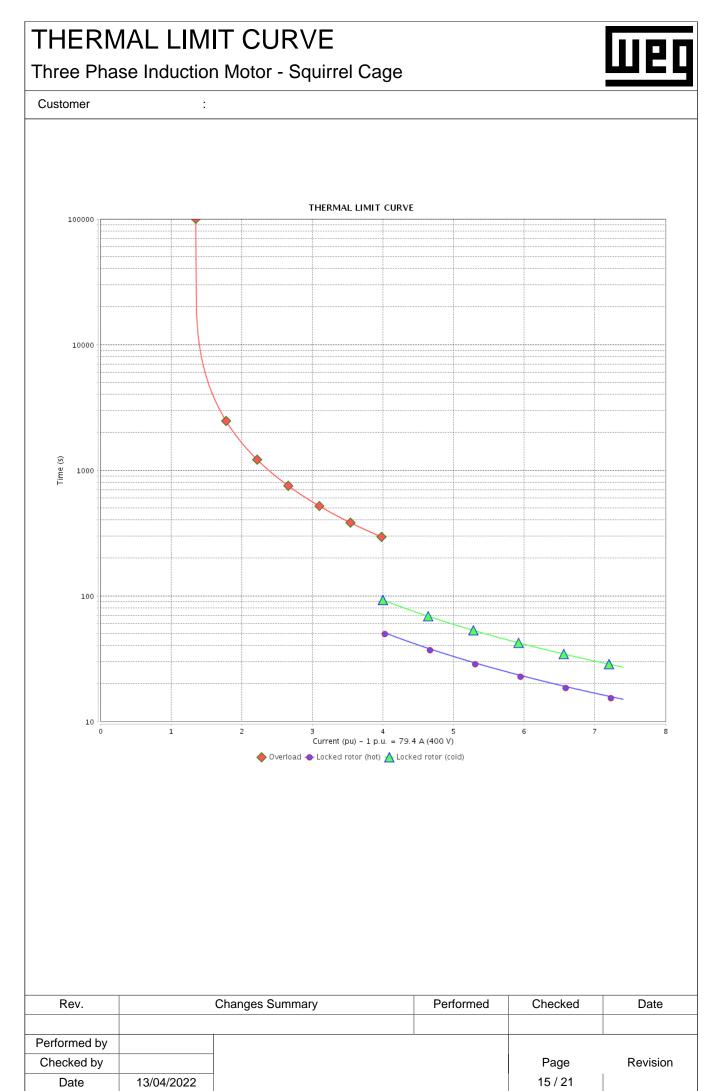
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: \ E	W40 JP Pump NEMA Prem fficiency Three-Phase	ium	Product code :	14270478	
				Catalog # :	07536OT3G3	64JP-W40
Performance		00 V 50 Hz 2P IE3				
Rated current LRC	: 79	9.4 A 4	Moment of Duty cycle	f inertia (J)	: 6.40 sq.ft.lb : Cont.(S1)	
Rated torque	: 10	06 ft.lb	Insulation	class	: F	
Locked rotor torq Breakdown torqu		20 % 50 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed		963 rpm	Design	are rise	: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Derformed by		1				
Performed by Checked by		-			Page	Revision
Date	13/04/2022	-			14 / 21	



THERMAL LIMIT CURVE

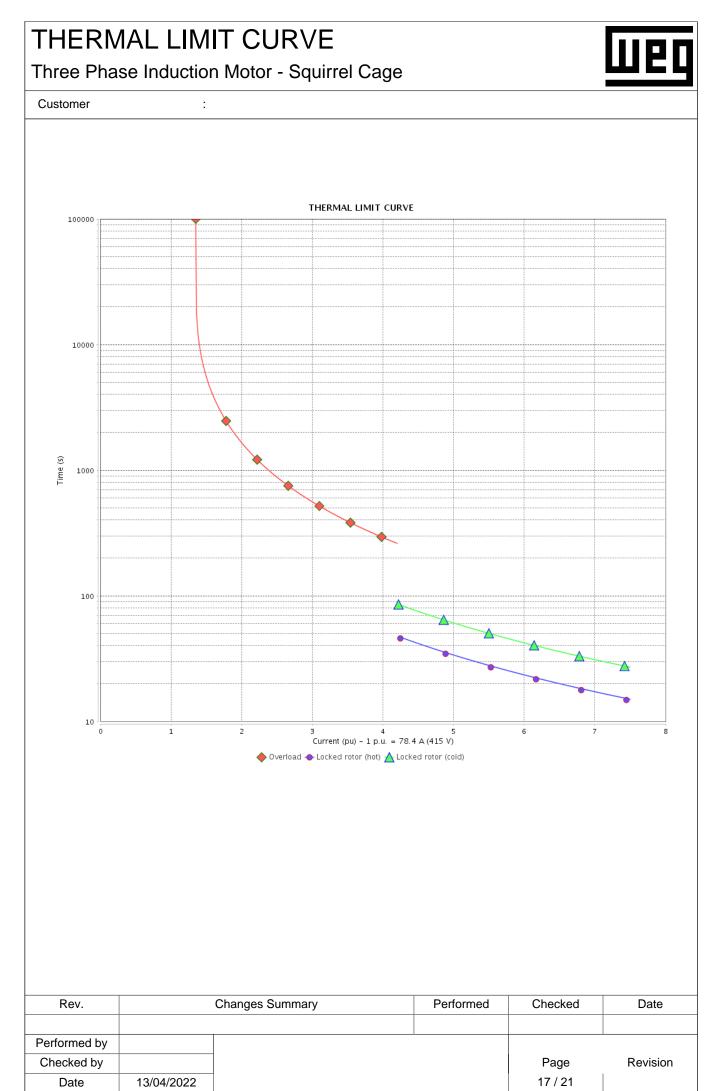
Three Phase Induction Motor - Squirrel Cage

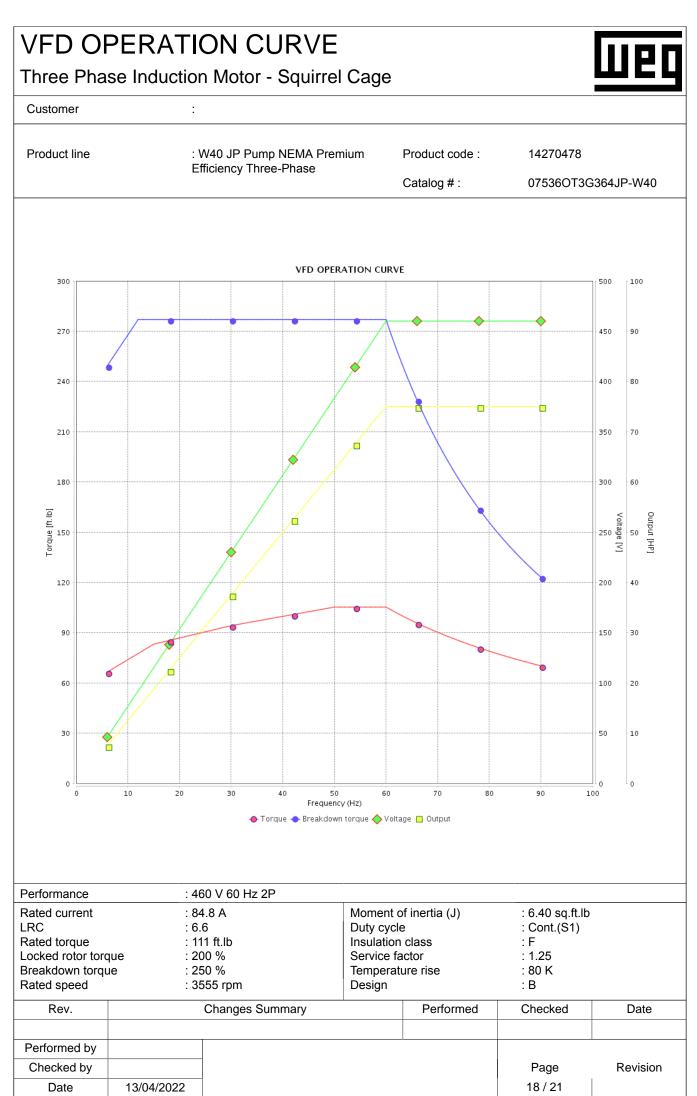
:

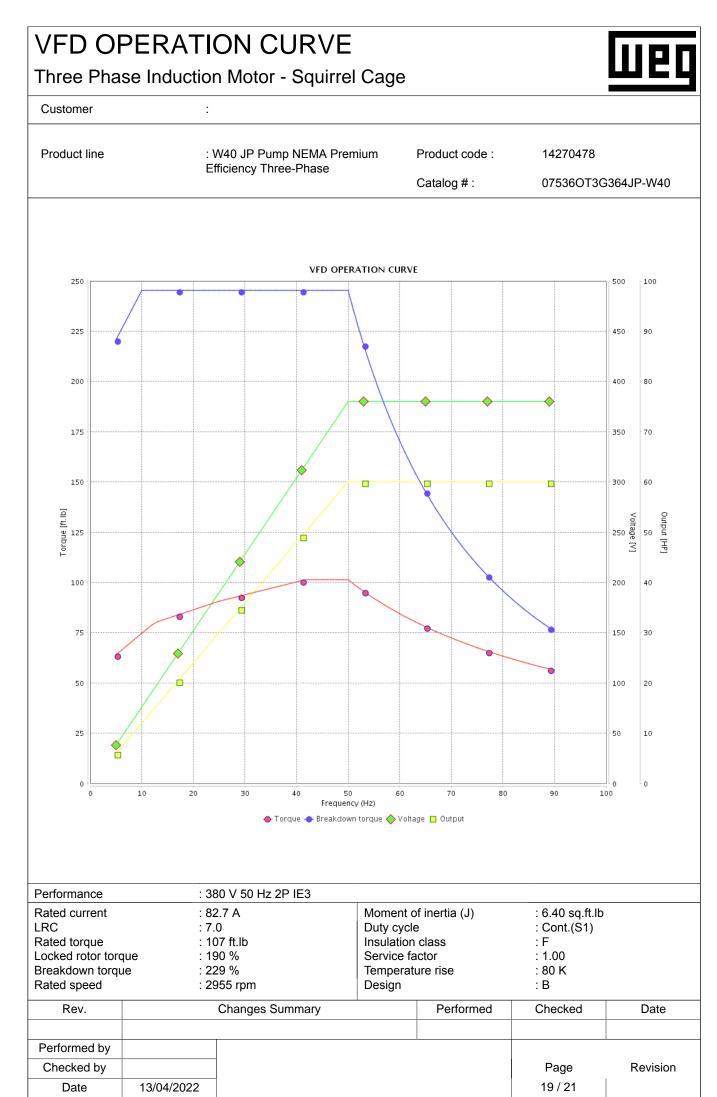


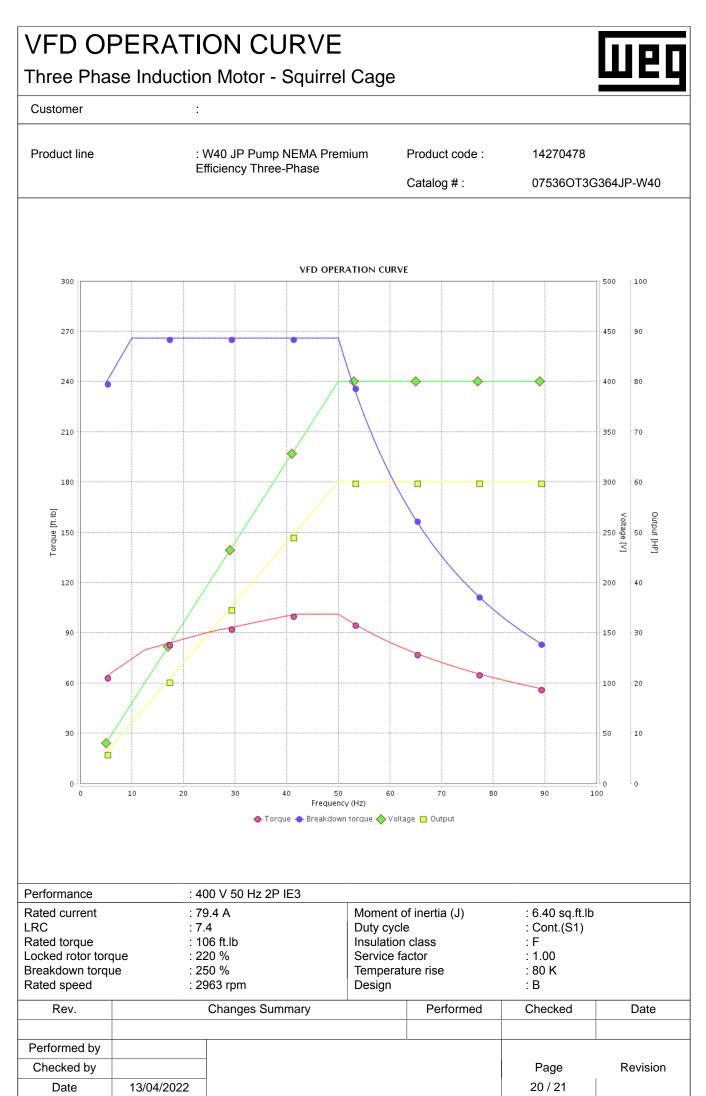
Customer

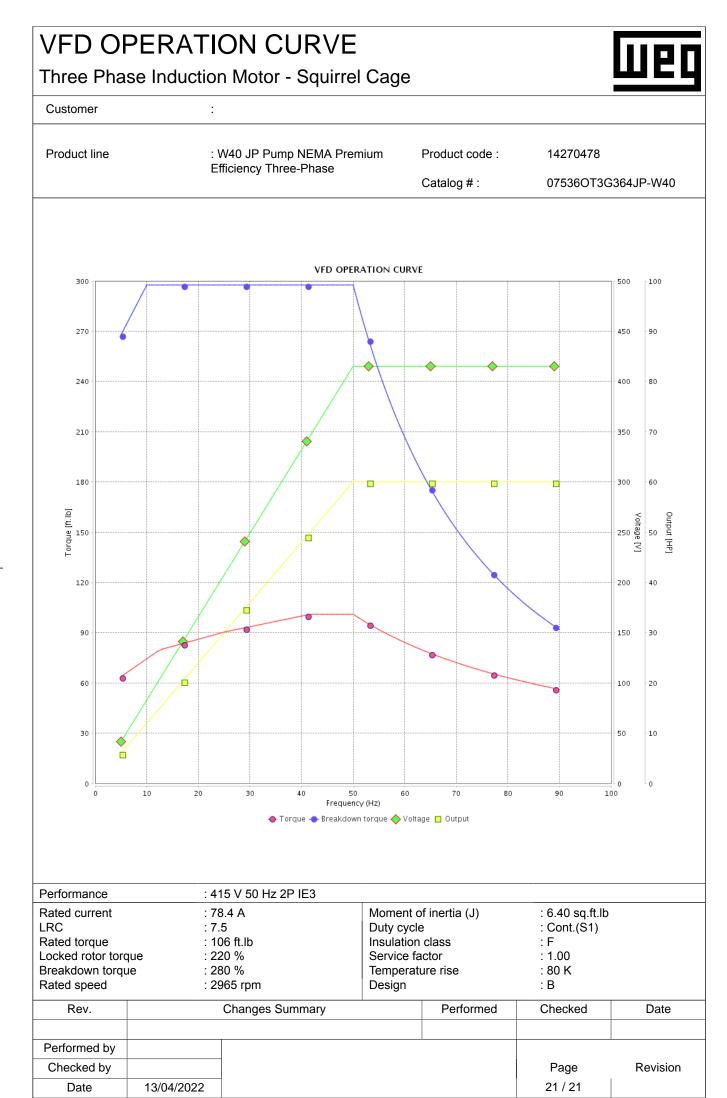
Product line	: \ E	W40 JP Pump NEMA Prem fficiency Three-Phase	ium	Product code :	14270478	
				Catalog # :	07536OT3G3	64JP-W40
Performance	: 4	15 V 50 Hz 2P IE3				
Rated current		8.4 A		f inertia (J)	: 6.40 sq.ft.lb	
LRC Rated torque	: 7.	.5 06 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor torg	jue : 22	20 %	Service fa	ctor	: 1.00	
Breakdown torqu		80 %	Temperatu	ure rise	: 80 K	
Rated speed		965 rpm	Design		: B	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
1169.		Changes Summary		renomed		Dale
Performed by						
Checked by		-			Page	Revision
Date	13/04/2022	-			16 / 21	

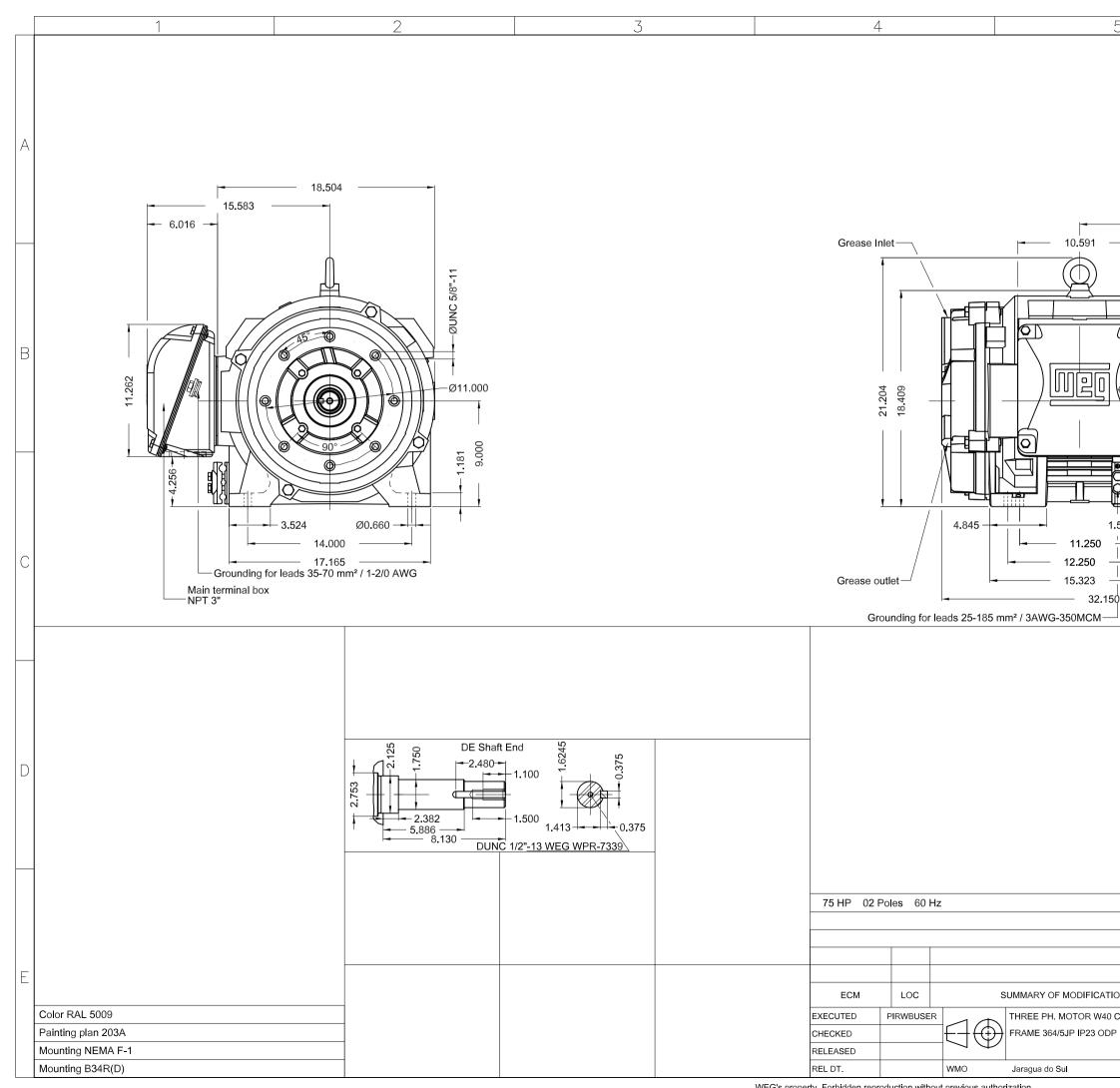












WEG's property. Forbidden reproduction without previous authorization.

5			6			
		-Grease Inlet	0 Ø12.500			
						Dimensions in inches
					A	
				1:8		
10110	EVE 2: .===	01/50/75				
IONS CLOSE COUPLED P				DATE	VER	
Р		WDD		Ше		A3
Produc	t Engineering		1 / 1			XME
	1					•

-W40	Ci	:029A	ettemitum Citemitum uty Motor	, (C E c	(h)	3pt9 Js Liste		C 60034-1 DD.TO1#F0X0N	N CONTRACTOR For 60Hz use on PWW, VT 1000:1, CT 2:1, 1.0SF
4JP-V ZIL	PH 3 FR	364/	5JP	HP(kW)	75(55)		Hz 6	0	PART-WINDING WYE-DELTA START RUN START RUN
MODEL 075360T3G364JP- MADE IN BRAZIL 14270478	v 460		A	84.8				IF	23 [°]	0112 0110 0111 0112 010 0111 0112 0110 0111 0112 010 0111 017 018 019 017 018 019 016 014 015 016 014 015 016 014 015 016 014 015 017 018 019 017 018 019
360T. IN 1270	NEMA NOM	EFF	9	3.6	%	RPM	3555)		♀16 ♀14 ♀15 ♦16 ♦14 ♦15 ♀17 ♀18 ♀19 ♦17 ♦18 ♦19 ♀11 ♀12 ♀13 ♀11 ♀12 ♀13 ♀11 ♀12 ♀13 ♀11 ♀12 ♀13 ↓1 ↓2 ↓3 ↓1 ↓2 ↓3 ↓1 ↓2 ↓3
075 IADE 14	ENCL ODP	DUT	Y (CONT.		INS.	cl. F	ΔT	80 K	
N	PF 0.87			DES	В	CODE	G	AMB.	. 40°C	$4 \longrightarrow 6314-C3(2/g) \qquad \text{MOBIL POLYREX EM}$
≥	SF 1.25		SFA 106				ALT	000	m.a.s.l.	743 Lbs
	60HP 45	W 50	Hz 380V	82.7A	2955RF	PM SF	1.00	EFF	94.0% ((IE3)