DATA SHEET

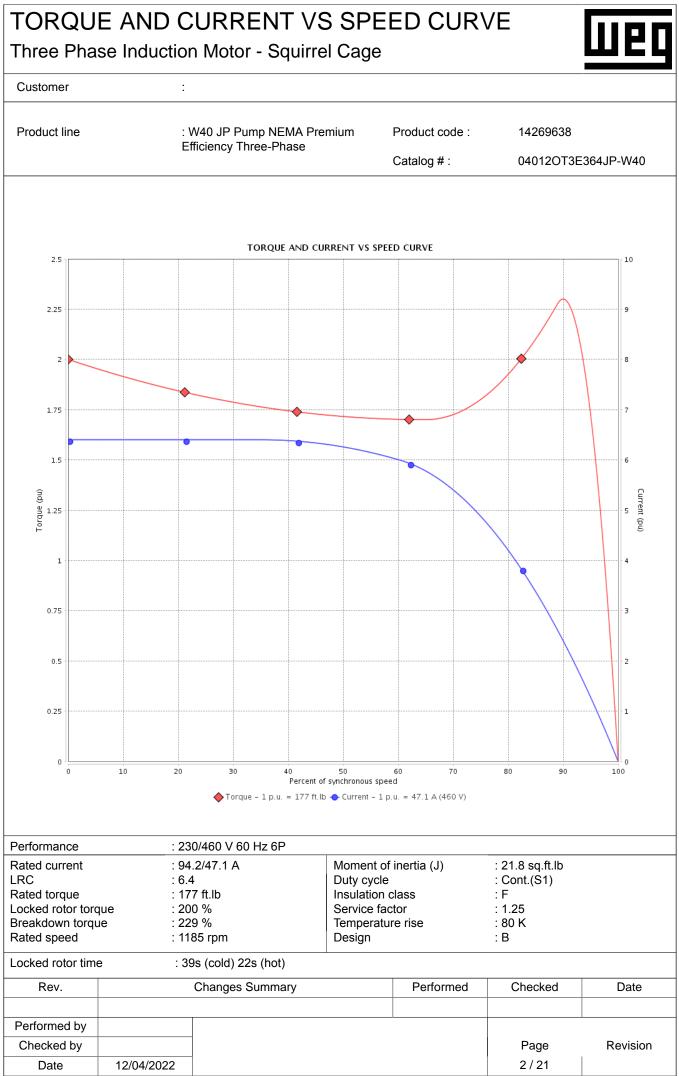
Three Phase Induction Motor - Squirrel Cage

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Customer

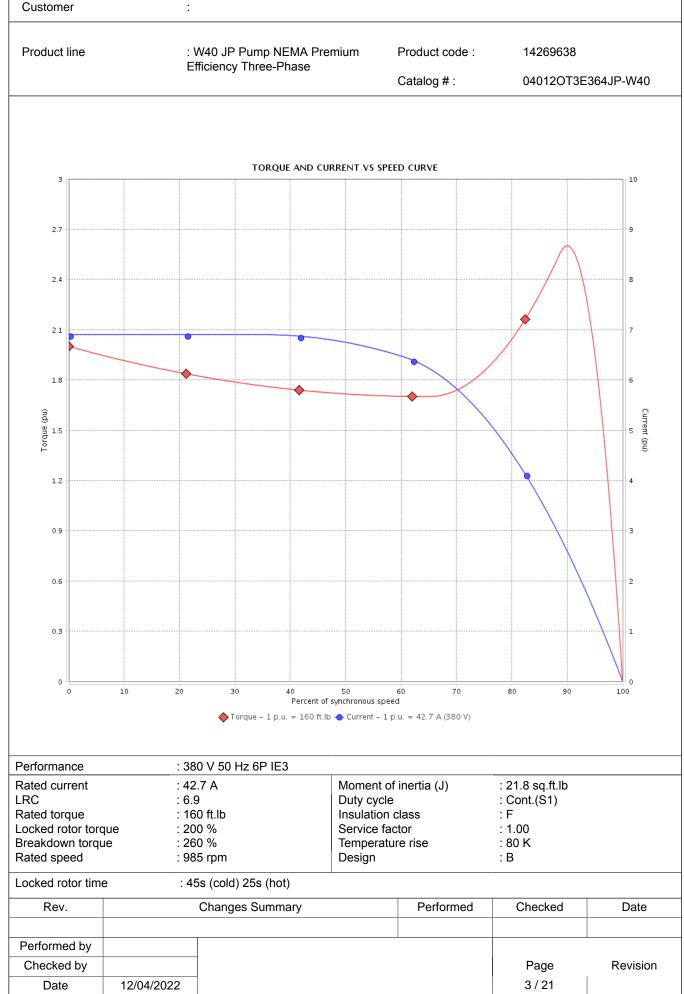
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		um Proc	Product code :		14269638	
				Cata	alog # :	04012C	DT3E364JP-W40	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre		: 364/5JP : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23		Cooling met Mounting Rotation ¹ Starting met Approx. weig Moment of in	thod ght³		CW and CCW) On Line	
Design		: B						
Dutput [HP]		40		30	30		30	
Poles		6		6	6		6	
requency [Hz]		60		50	5		50	
Rated voltage [V]		230/460		380	40		415	
Rated current [A]		94.2/47.1		42.7	41		40.0	
R. Amperes [A]		603/301		295	28		320	
.RC [A]	_	6.4x(Code G)	6.9	x(Code H)	7.0x(Co		8.0x(Code J)	
lo load current [A		31.6/15.8		15.6	16		17.6	
Rated speed [RPN	Л]	1185		985	98		985	
Slip [%]		1.25		1.50	1.5		1.50	
Rated torque [ft.lb]		177		160	16		160	
ocked rotor torqu		200		200	22	29	250	
Breakdown torque	e [%]	229		260	29	90	310	
Service factor		1.25		1.00	1.0	00	1.00	
emperature rise		80 K		80 K	80	K	80 K	
ocked rotor time		39s (cold) 22s (hot)	45s (c	old) 25s (hot)	ot) 50s (cold) 28s (ho		41s (cold) 23s (hot)	
loise level ²		68.0 dB(A)						
	25%	93.5		91.7	91	.7	91.7	
	50%	93.6	91.8		91	.8	91.8	
Efficiency (%)	75%	94.1	92.2		92	.2	92.2	
	100%	94.1	92.2		92		92.2	
	25%	0.49		0.47	0.4		0.41	
D - <i>i</i>	50%	0.74		0.72	0.6		0.66	
Power Factor	75%	0.82		0.82	0.7		0.78	
	100%	0.85		0.85	0.6		0.83	
Bearing type Sealing		: 6314 C3 621 : Without Wi	<u>ive end</u> 2 Z C3 ithout ing Seal	Foundation lo Max. traction Max. compre	l	: 1305 lk : 2093 lk		
Lubrication interv Lubricant amoun Lubricant type		: 20000 h 20	000 h 13 g					
Notes USABLE @208V	104A SF 1.1							
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec ocess.	ncel the previous one, wh e shaft end. olerance of +3dB(A). et to changes after	hich		•		ts with sinusoidal stipulated in NEMA	
nust be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w nanufacturing pro	ed. lotor from the Im and with t weight subjec ocess.	shaft end. olerance 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. olerance of +3dB(A). et to changes after		power supply MG-1.	γ, subject to th	e tolerances	stipulated in NEMA	
nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro 4) At 100% of ful Rev. Performed by	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). et to changes after		power supply MG-1.	γ, subject to th	e tolerances	stipulated in NEMA	
nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro- 4) At 100% of ful Rev.	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). to changes after Changes Summary		power supply MG-1.	γ, subject to th	e tolerances	stipulated in NEMA	



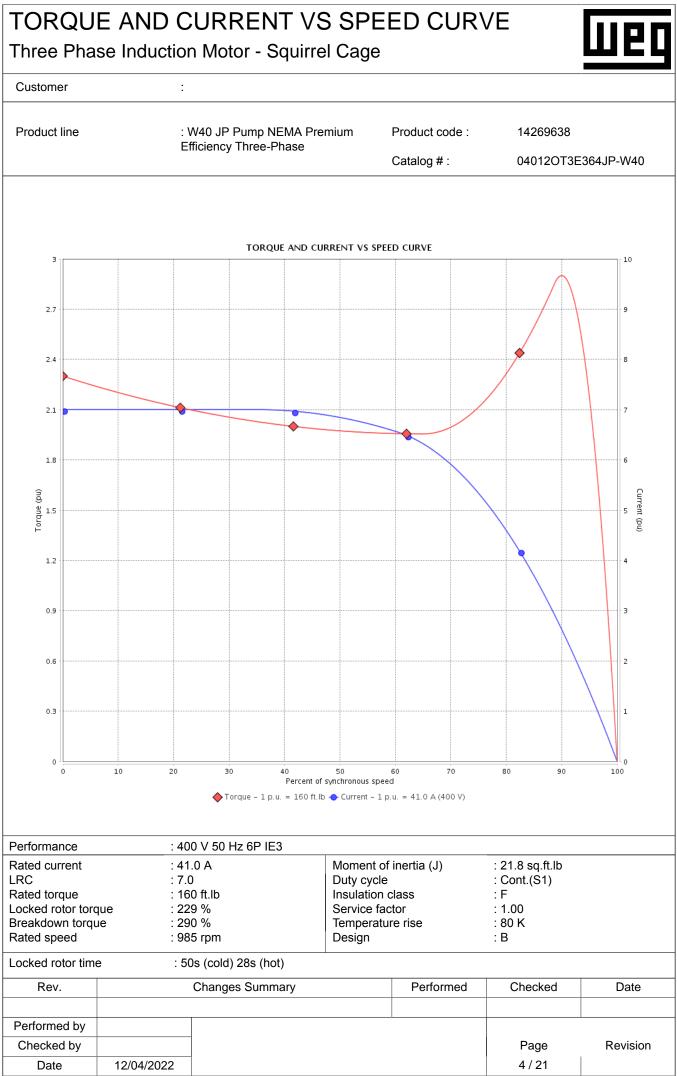
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



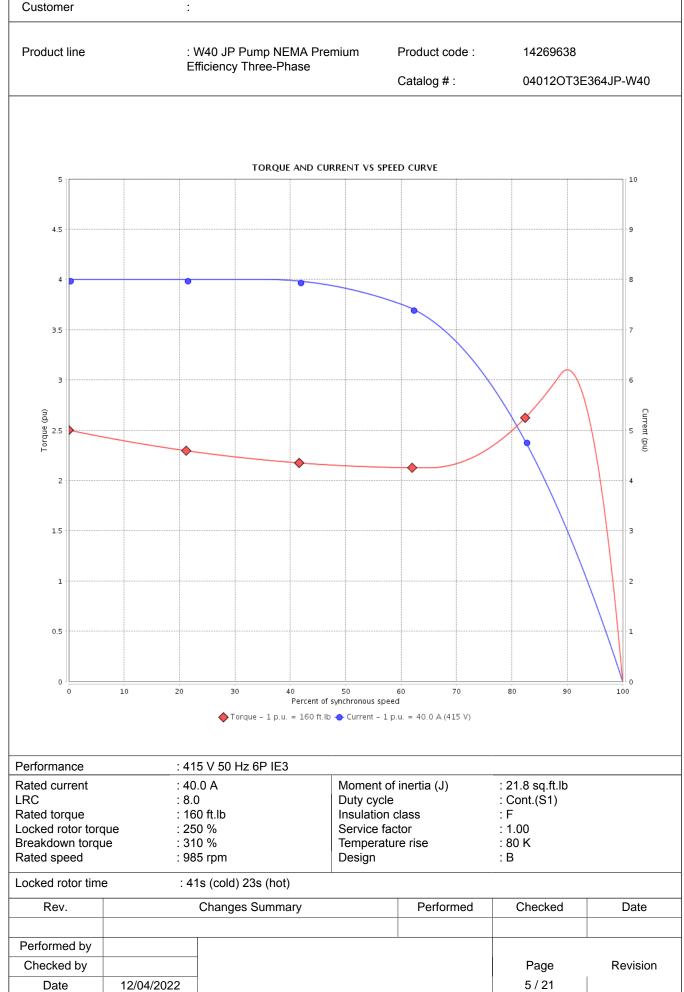
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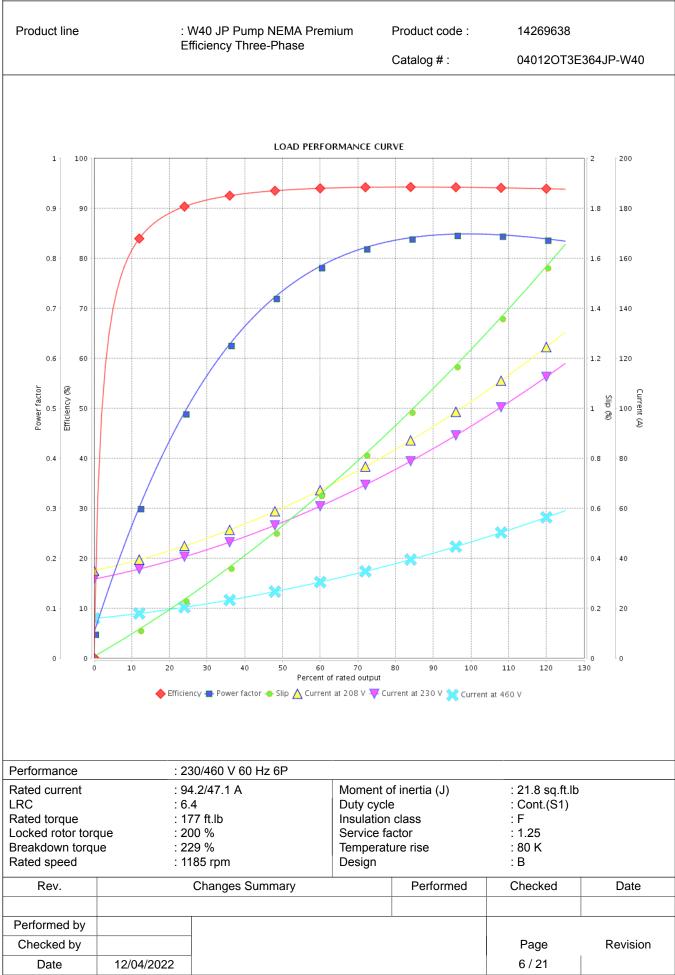
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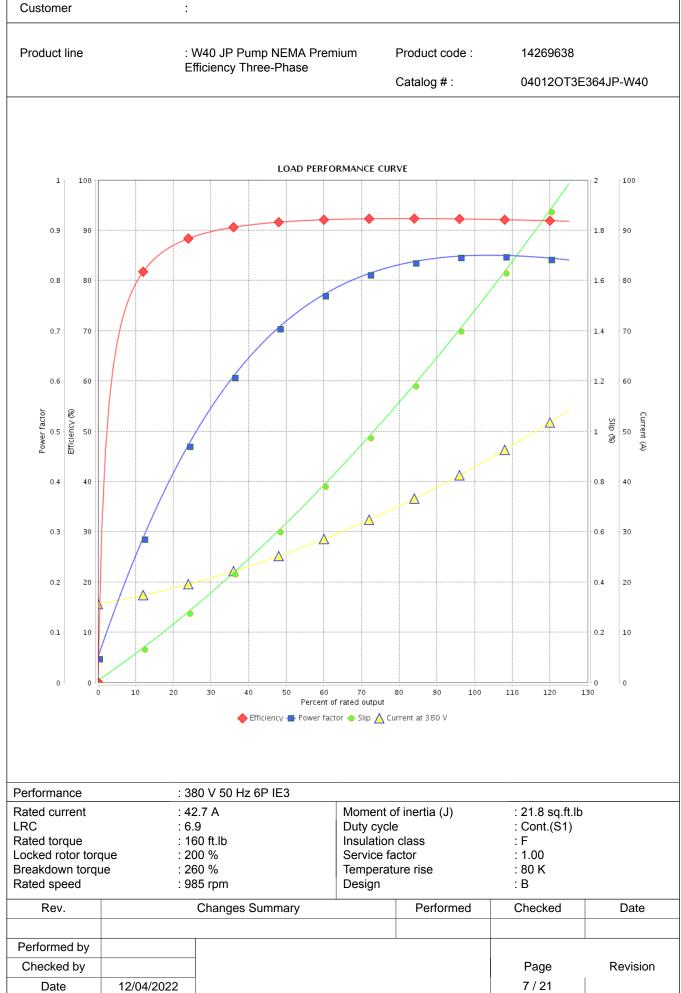


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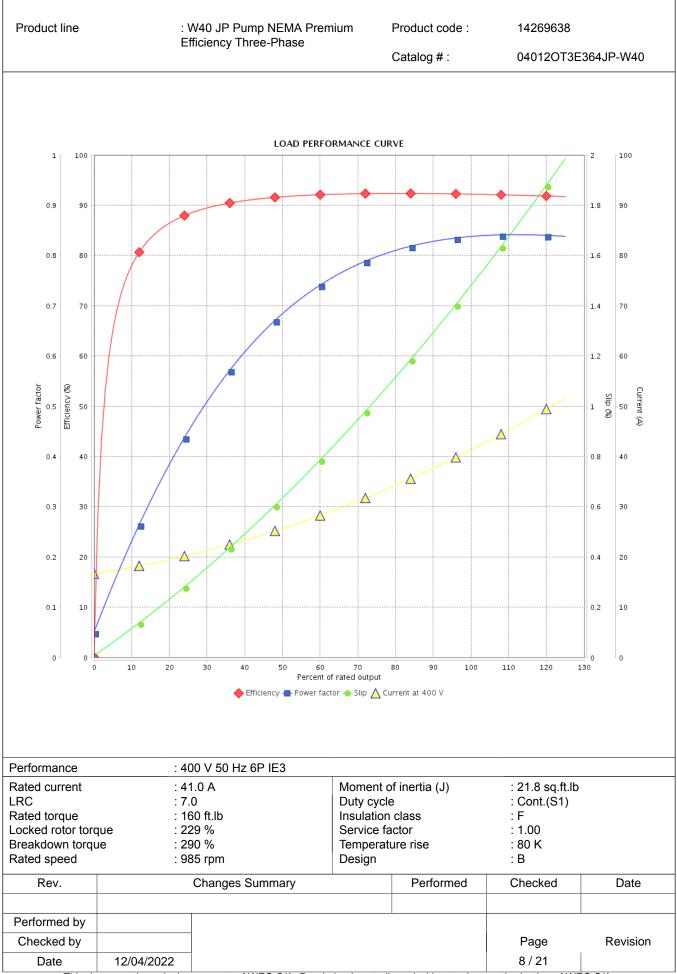
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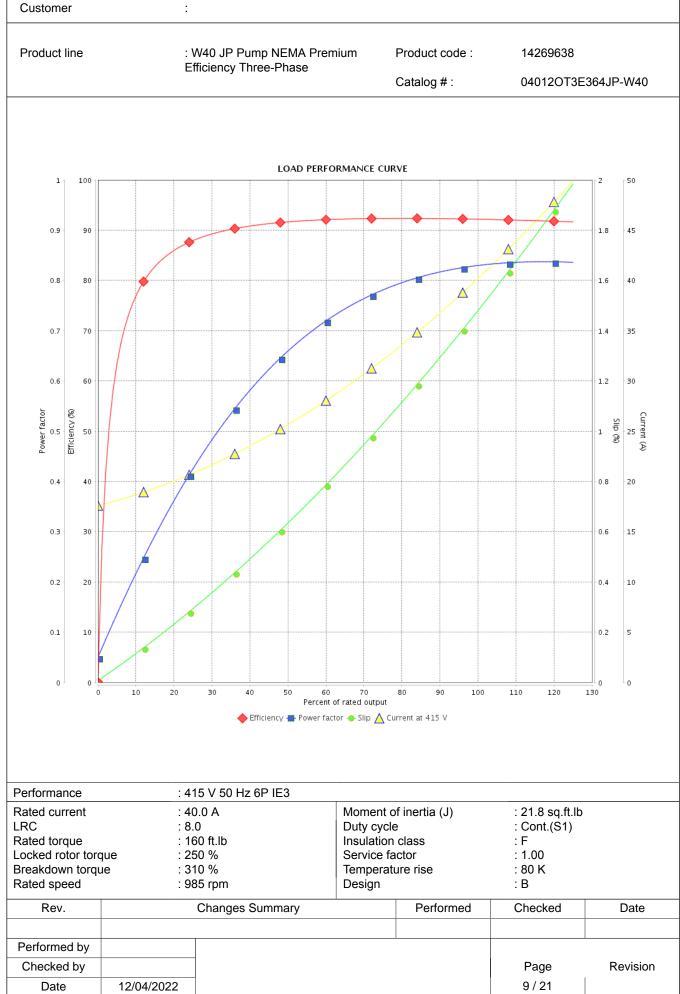


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THERMAL LIMIT CURVE

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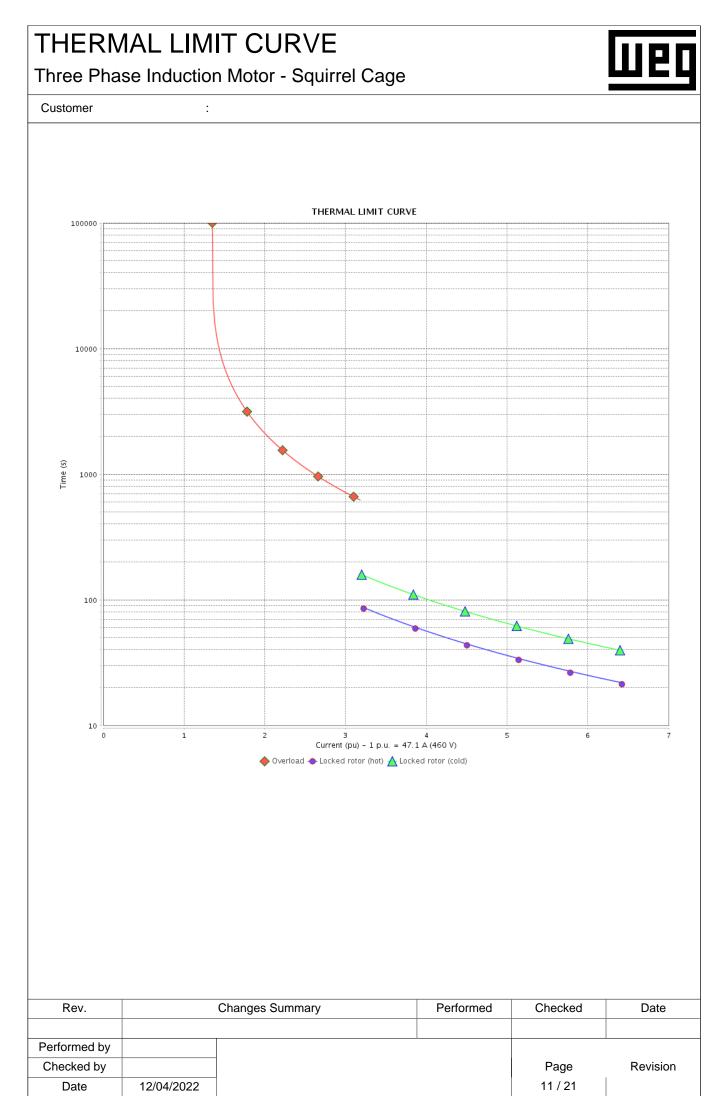
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14269638		
				Catalog # :	04012OT3E30	64JP-W40	
Performance	. 22	30/460 V 60 Hz 6P					
Rated current			Momento	f inertia (J)	: 21.8 sq.ft.lb		
LRC	: 6.	: 6.4 Duty c		9	: Cont.(S1)		
Rated torque		: 177 ft.lb Insulation		class	: F		
Locked rotor torque		: 200 % Service : 229 % Tempera			: 1.25 : 80 K		
Breakdown torque Rated speed		185 rpm	Temperature ris Design		: B		
			-				
Heating constant							
Cooling constant Rev.		Changes Summary		Performed	Checked	Date	
		Changes Summary		renomeu	UNGUNEU	Dale	
Performed by Checked by					Page	Revision	
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THERMAL LIMIT CURVE

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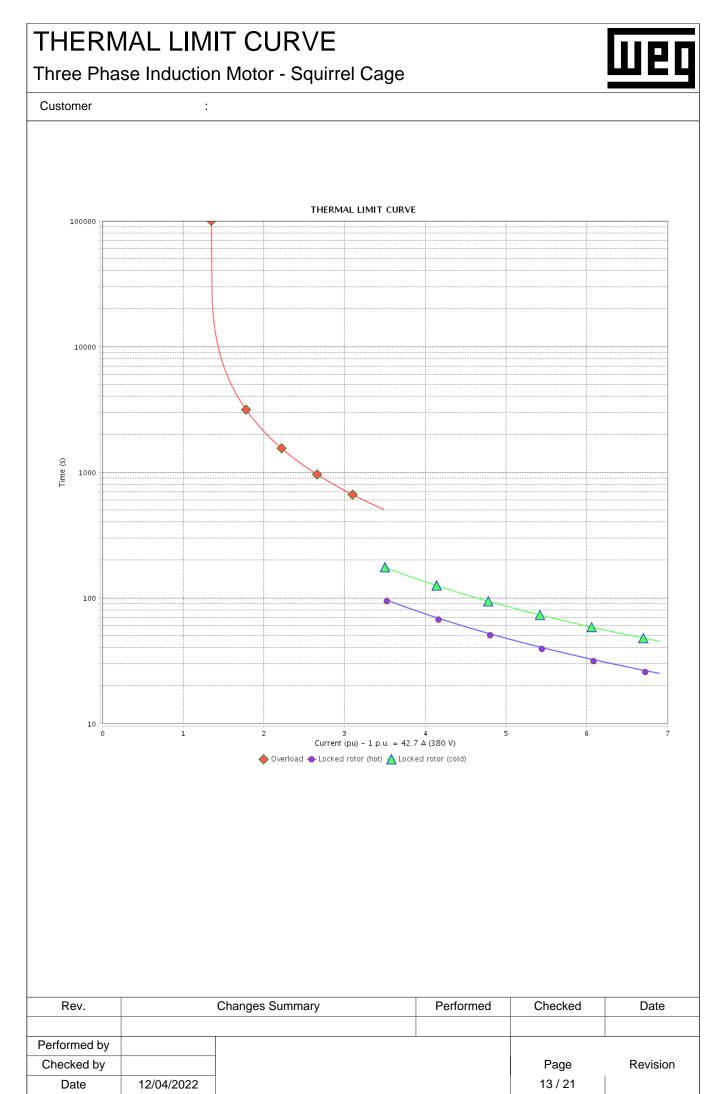
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14269638	
	_			Catalog # :	04012OT3E3	64JP-W40
Performance	: 3	80 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 42.7 A Moment of Comment of C		class ctor	: 21.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constan			<u> </u>			
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Date	12/04/2022				12/21	

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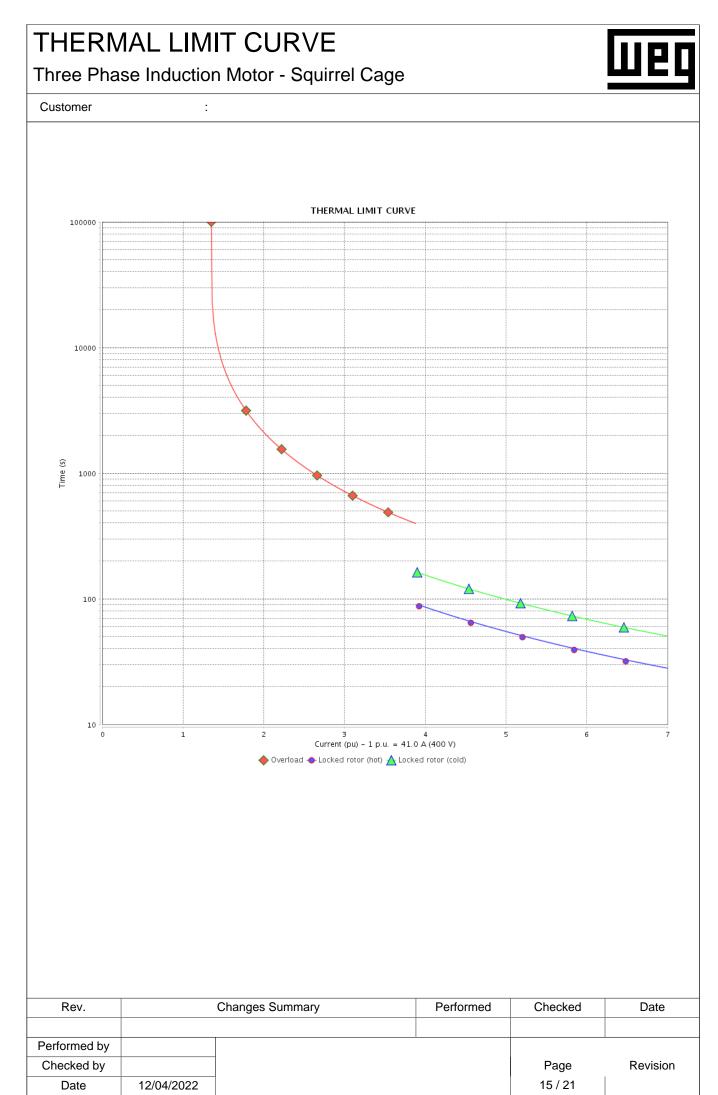
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14269638	
				Catalog # :	04012OT3E3	64JP-W40
Performance	• 4					
Rated current		00 V 50 Hz 6P IE3 1.0 A	Moment	finartia (1)	· 01 0 00 # 16	
LRC	: 4		Duty cycle	f inertia (J)	: 21.8 sq.ft.lb : Cont.(S1)	
Rated torque		: 160 ft.lb Insulation		class	: F	
Locked rotor tor		29 %	Service factor		: 1.00	
Breakdown torqu Rated speed		90 % 85 rpm	Temperatu Design	lre rise	: 80 K : B	
Heating constan	t					
Cooling constant						
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Date	12/04/2022				14 / 21	

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THERMAL LIMIT CURVE

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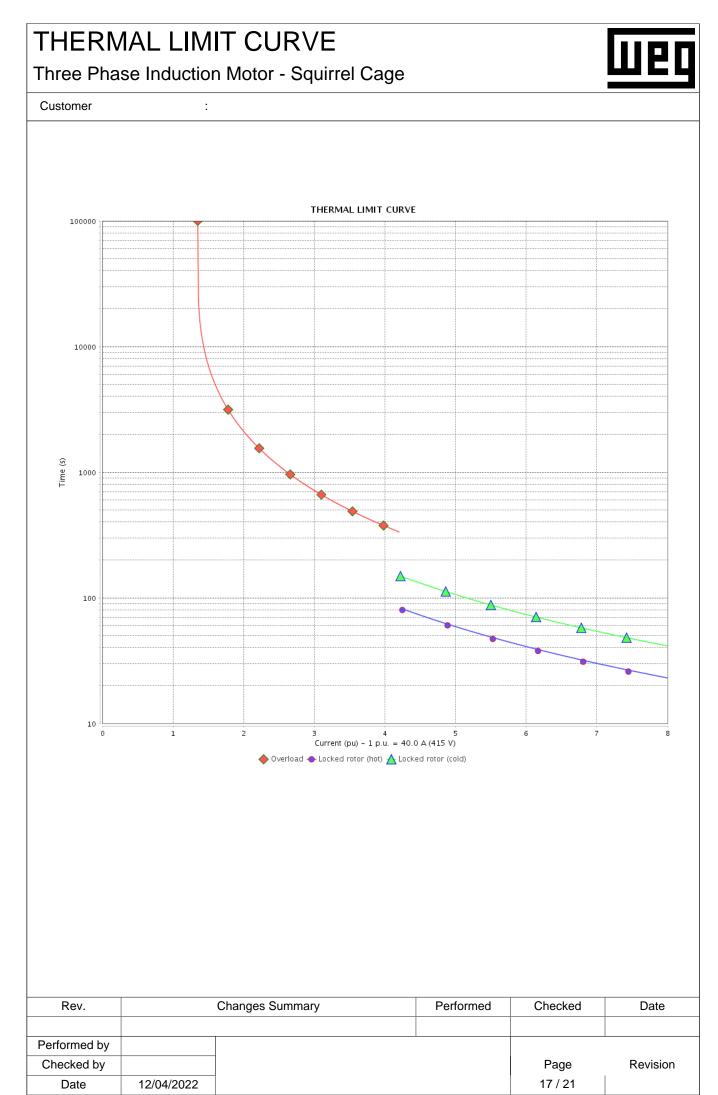
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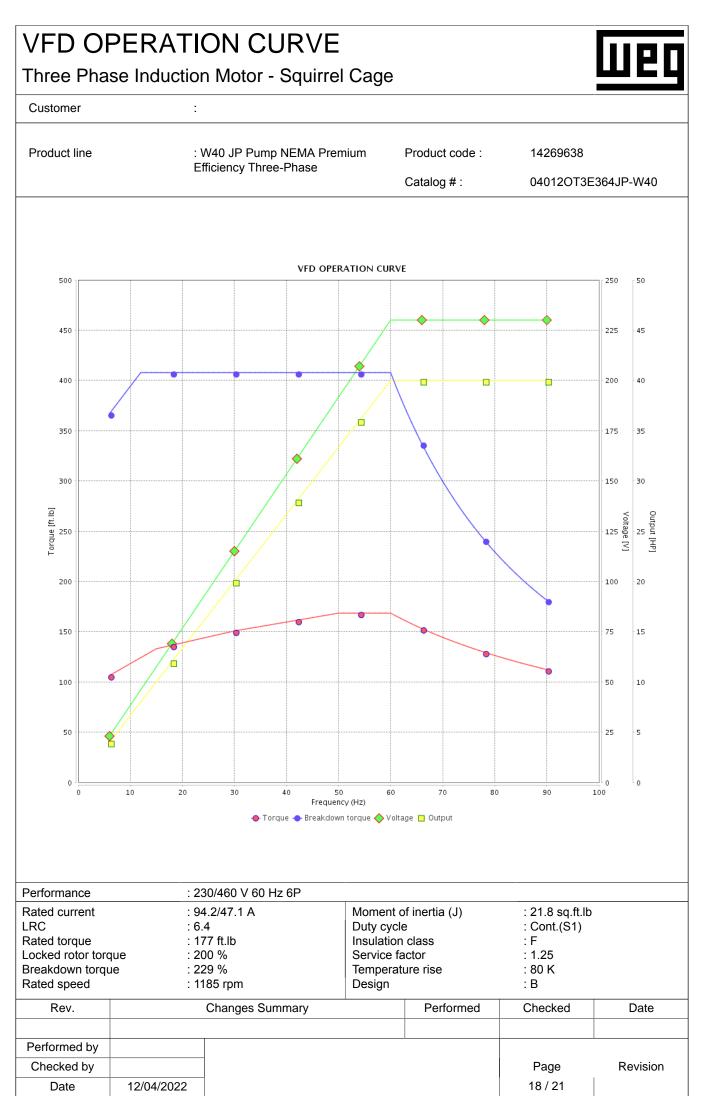


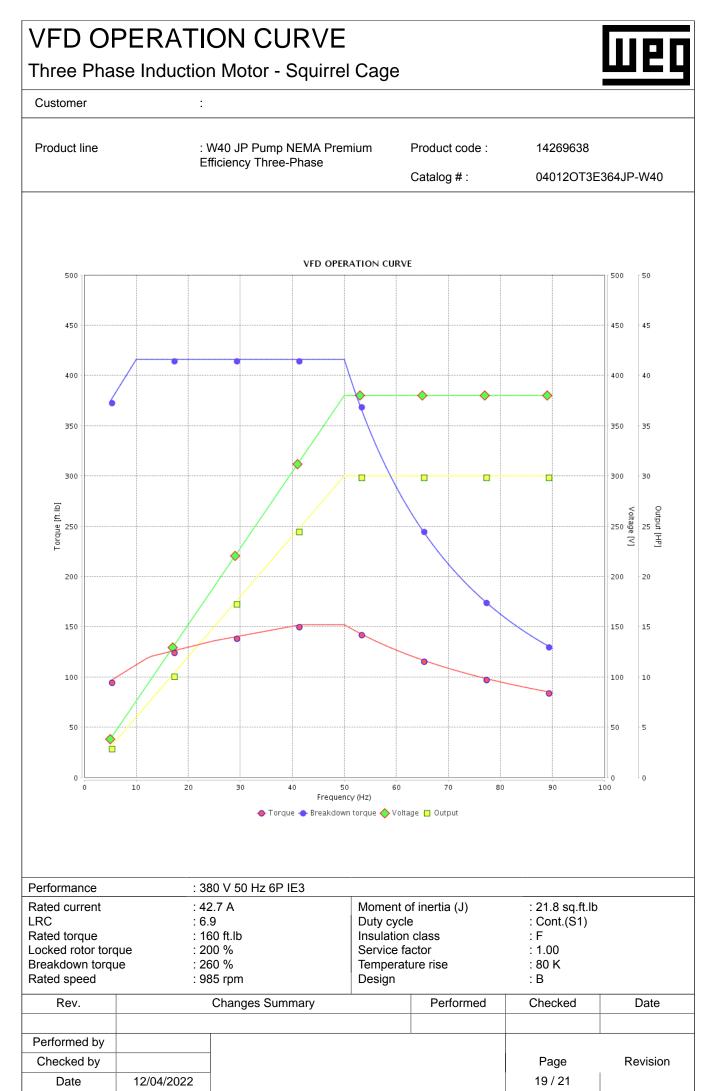
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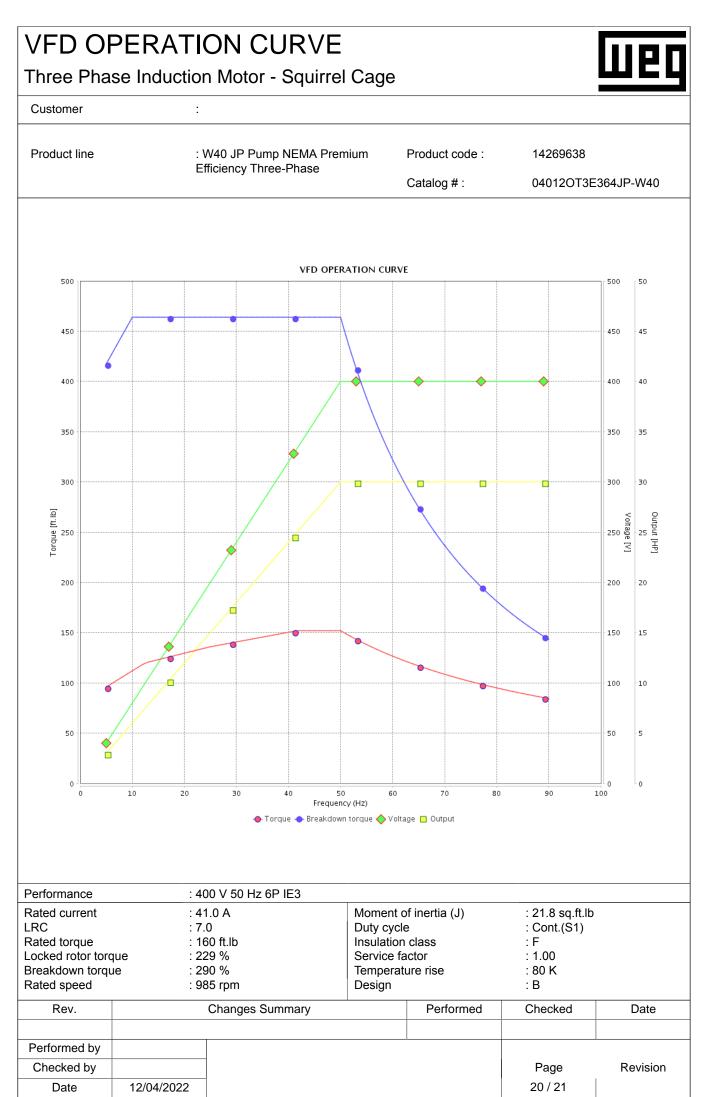
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14269638	
	_			Catalog # :	04012OT3E3	64JP-W40
Performance	: 4	15 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		40.0 AMoment of8.0Duty cycl160 ft.lbInsulation250 %Service fa310 %Temperat985 rpmDesign		class ctor	: 21.8 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constan			-			
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
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Date	12/04/2022				16/21	

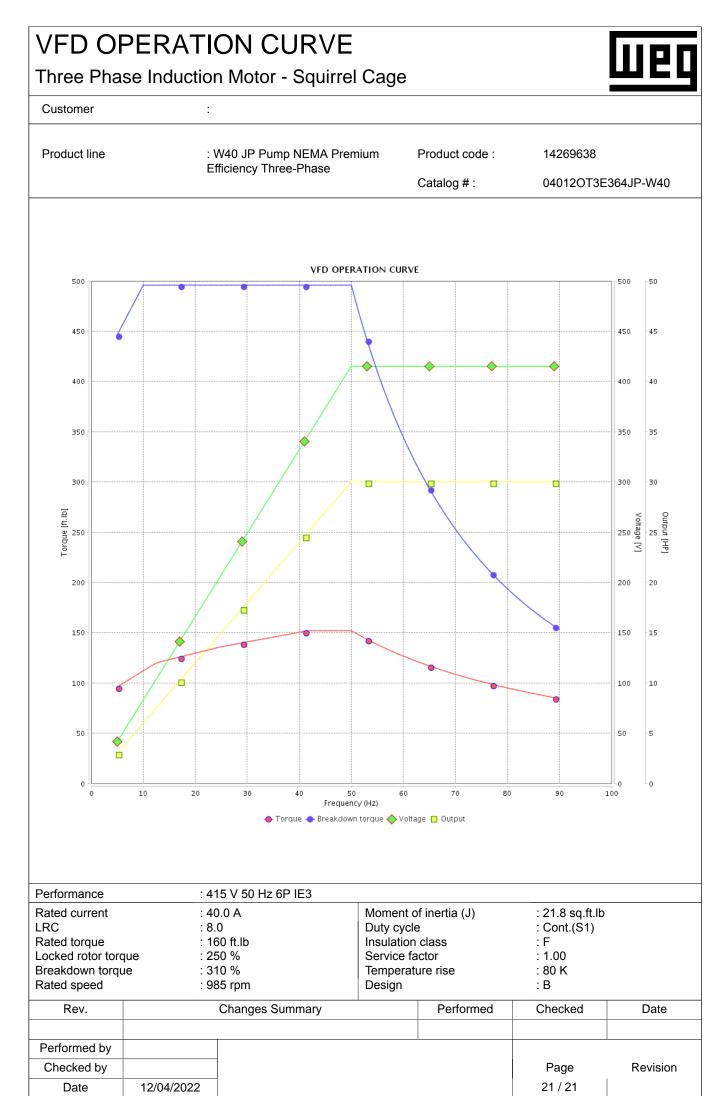
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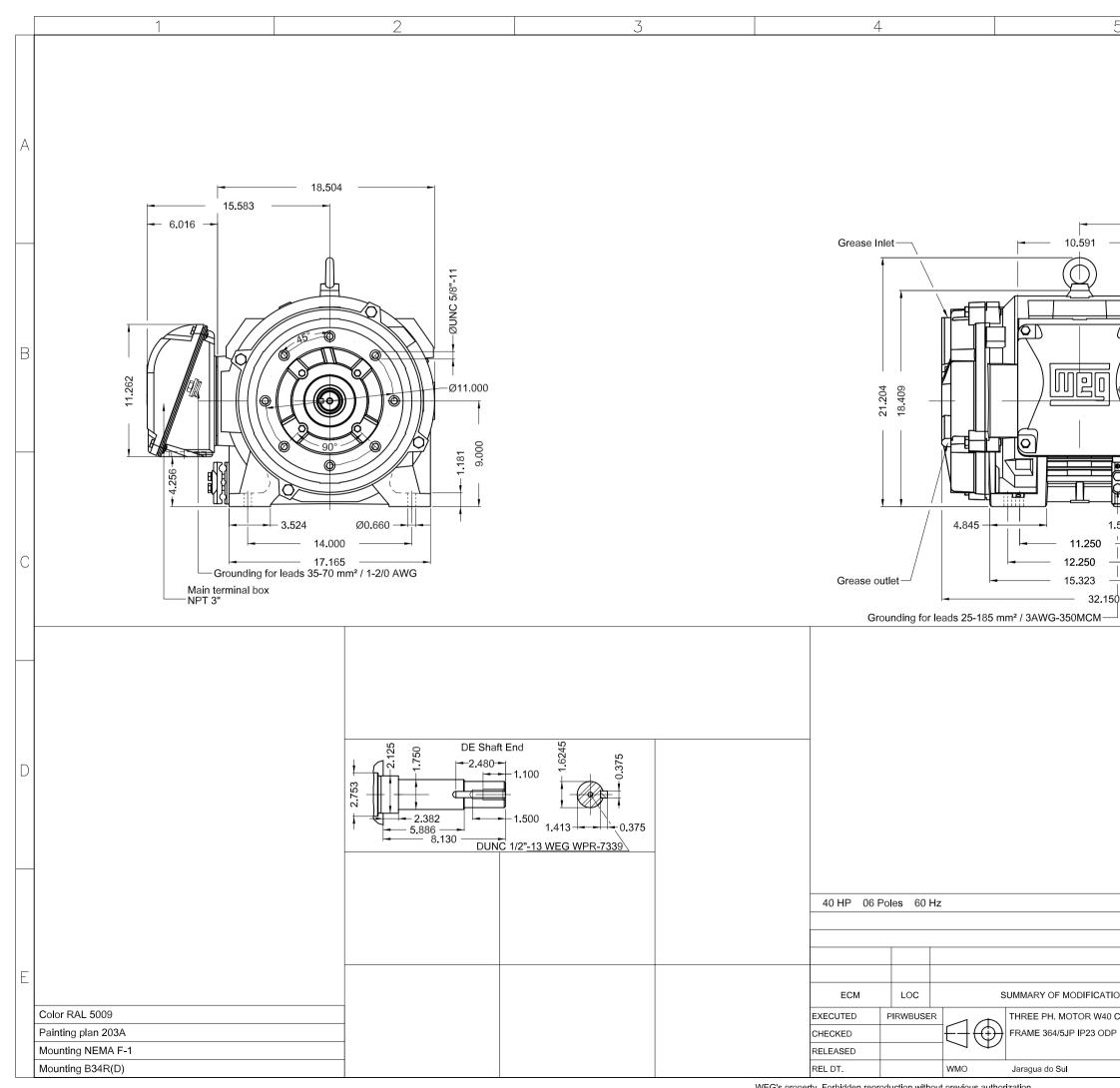












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