# DATA SHEET

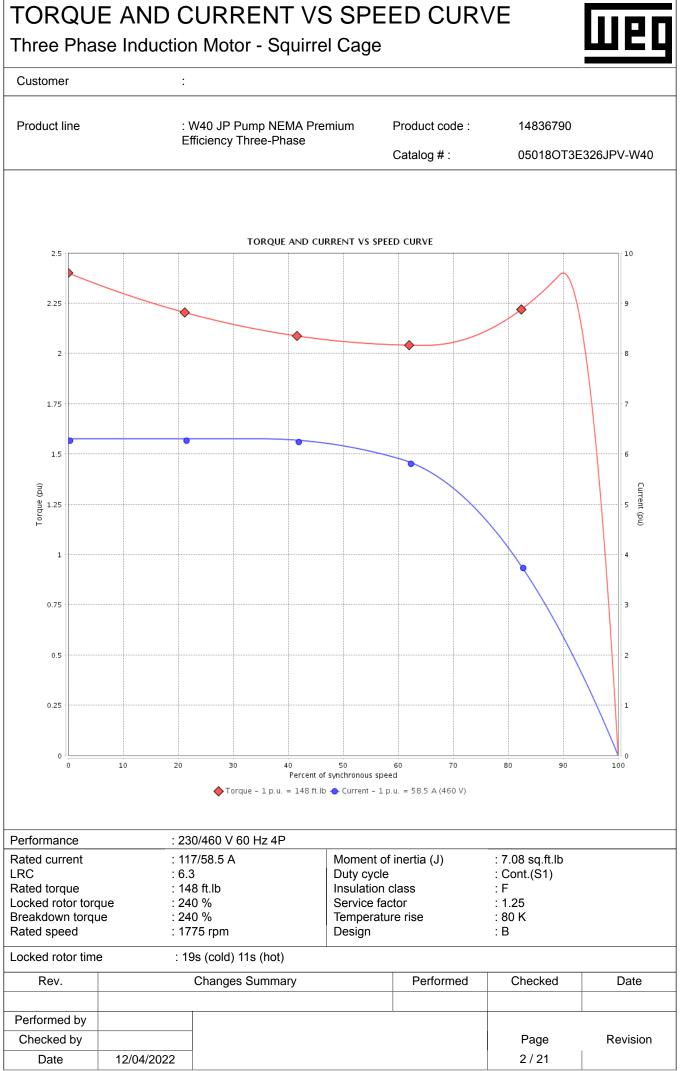
Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		um Produ	Product code :		14836790	
				Catal	og # :	050180	OT3E326JPV-W40	
Frame		: 324/6JP		Cooling meth	od	: IC01	- ODP	
Insulation class		: F		Mounting		: W-6		
Duty cycle		: Cont.(S1)		Rotation <sup>1</sup>		: Both (CW and CCW)		
Ambient tempera	ature	: -20°C to +40°C		Starting method		: Direct On Line		
Altitude		: 1000 m.a.s.l.		Approx. weig		: 515 ll		
Protection degre Design	e	: IP23 : B		Moment of in	ertia (J)	: 7.08 :	sq.ft.lb	
Dutput [HP]		50		40	40		40	
Poles		4		4	40		4	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	400		415	
							-	
ated current [A]		117/58.5		58.0	56.4		55.7	
. R. Amperes [A]		737/369	-	383	389		401	
RC [A]		6.3x(Code G)	6.6	5x(Code G)	6.9x(Cod	eH)	7.2x(Code J)	
lo load current [A	J	46.4/23.2		22.8	25.2		27.0	
ated speed [RPN	M]	1775		1475	1475		1480	
lip [%]	-	1.39		1.67	1.67		1.33	
Rated torque [ft.lb	1	148		142	142		142	
ocked rotor torqu		240		220	250		270	
Breakdown torque		240		240	230		300	
	5 [70]							
Service factor		1.25		1.00	1.00		1.00	
emperature rise		80 K		80 K	80 K		80 K	
ocked rotor time		19s (cold) 11s (hot)	21s (c	cold) 12s (hot)	21s (cold) 12	2s (hot)	21s (cold) 12s (hot)	
loise level <sup>2</sup>		66.0 dB(A)						
	25%	94.0		92.9	92.9		92.9	
	50%	94.1		93.1	93.1		93.1	
Efficiency (%)	75%	94.5		93.5	93.5		93.5	
	100%	94.5		93.6	93.6		93.6	
	25%	0.44		0.44	0.40		0.37	
		-						
Power Factor	50%	0.70		0.70	0.66		0.62	
	75%	0.80	0.80		0.77		0.74	
	100%	0.84		0.84	0.82		0.80	
Bearing type			<u>ive end</u> 1 Z C3	Foundation loa	ads			
				Max. traction				
Sealing			ithout	Max. compres	sion			
			ing Seal					
Lubrication inter			000 h					
Lubricant amour	nt		l1 g					
Lubricant type		: Mobil Polyrex B	EM					
Notes USABLE @208V	/ 129A SF 1.1	15 SFA 149A						
must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr	ed. notor from the 1m and with t weight subjec ocess.	ncel the previous one, where shaft end. Tolerance of +3dB(A). St to changes after	hich				sts with sinusoidal stipulated in NEMA	
nust be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. colerance of +3dB(A). ct to changes after		power supply, MG-1.	subject to the t	olerances	stipulated in NEMA	
nust be eliminate 1) Looking the m 2) Measured at 3) Approximate nanufacturing pr	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. olerance of +3dB(A).		power supply, MG-1.			stipulated in NEMA	
nust be eliminate 1) Looking the m 2) Measured at 3) Approximate manufacturing pr 4) At 100% of fu	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. colerance of +3dB(A). ct to changes after		power supply, MG-1.	subject to the t	olerances	stipulated in NEMA	
nust be eliminate 1) Looking the m 2) Measured at 7 3) Approximate v nanufacturing pr 4) At 100% of fu Rev. Performed by	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. colerance of +3dB(A). ct to changes after		power supply, MG-1.	subject to the t	Olerances	stipulated in NEMA	
nust be eliminate 1) Looking the m 2) Measured at 7 3) Approximate v nanufacturing pr 4) At 100% of fu Rev.	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. olerance of +3dB(A). ct to changes after Changes Summary		power supply, MG-1.	subject to the t	olerances	stipulated in NEMA	

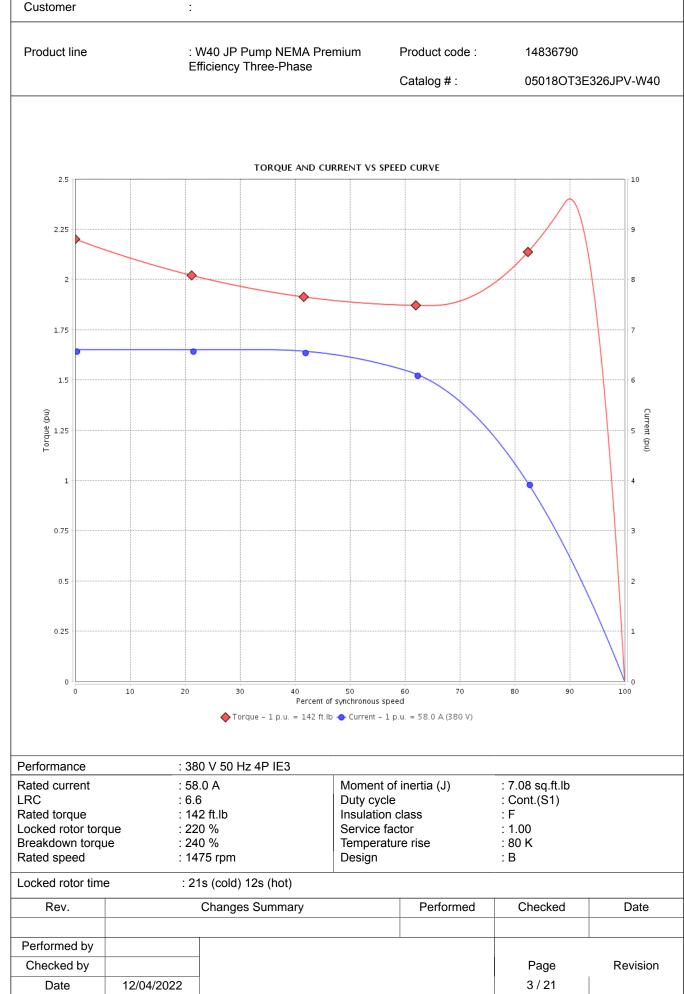


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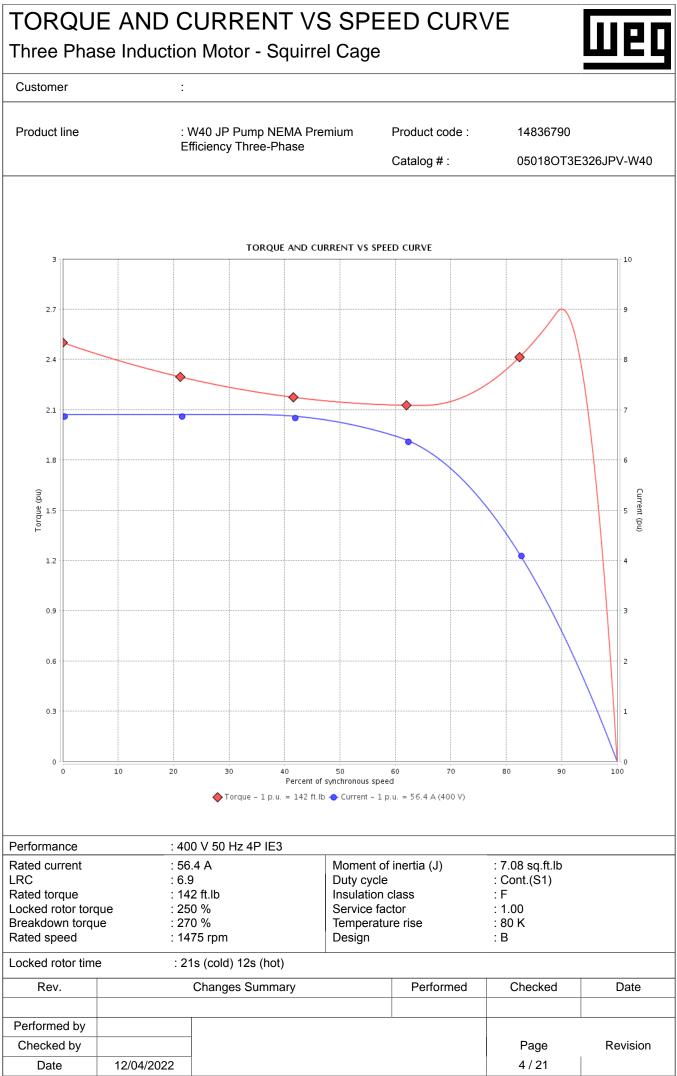
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



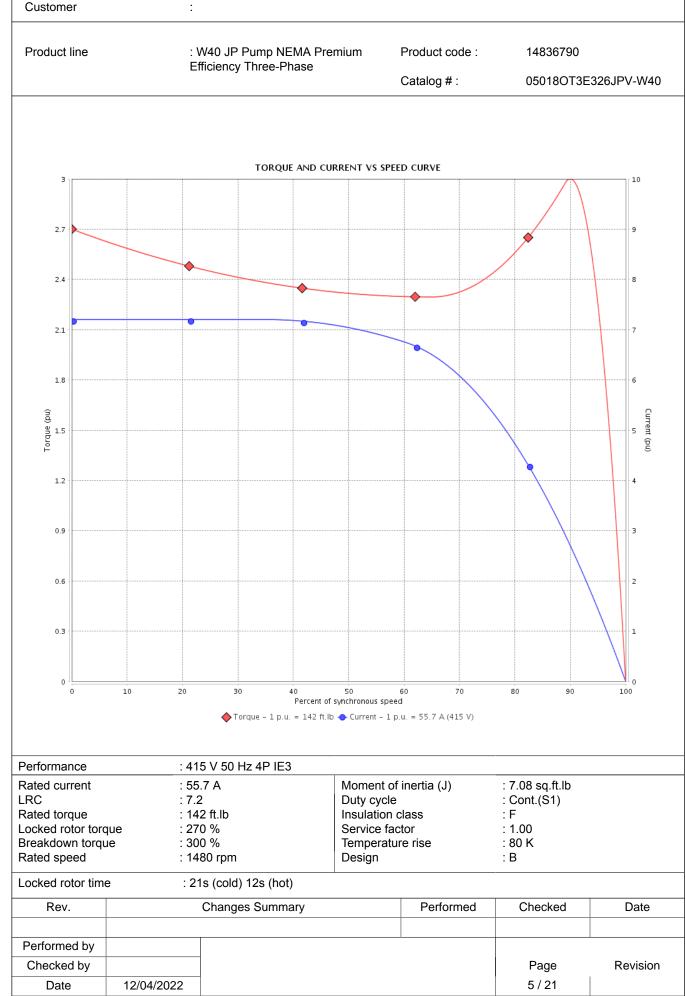
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### TORQUE AND CURRENT VS SPEED CURVE Three Phase Induction Motor - Squirrel Cage

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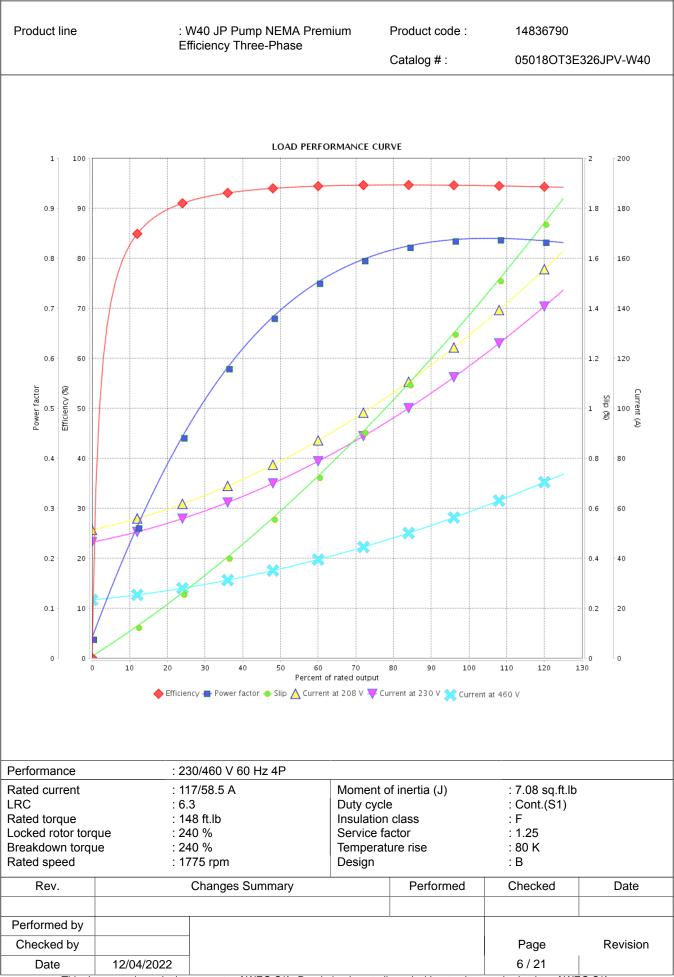
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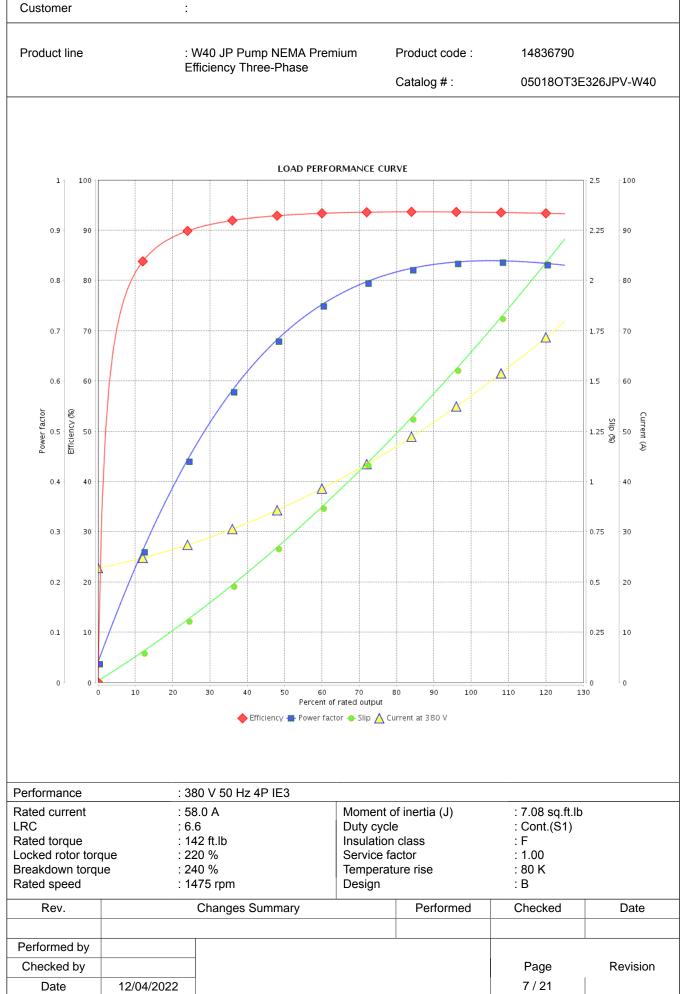


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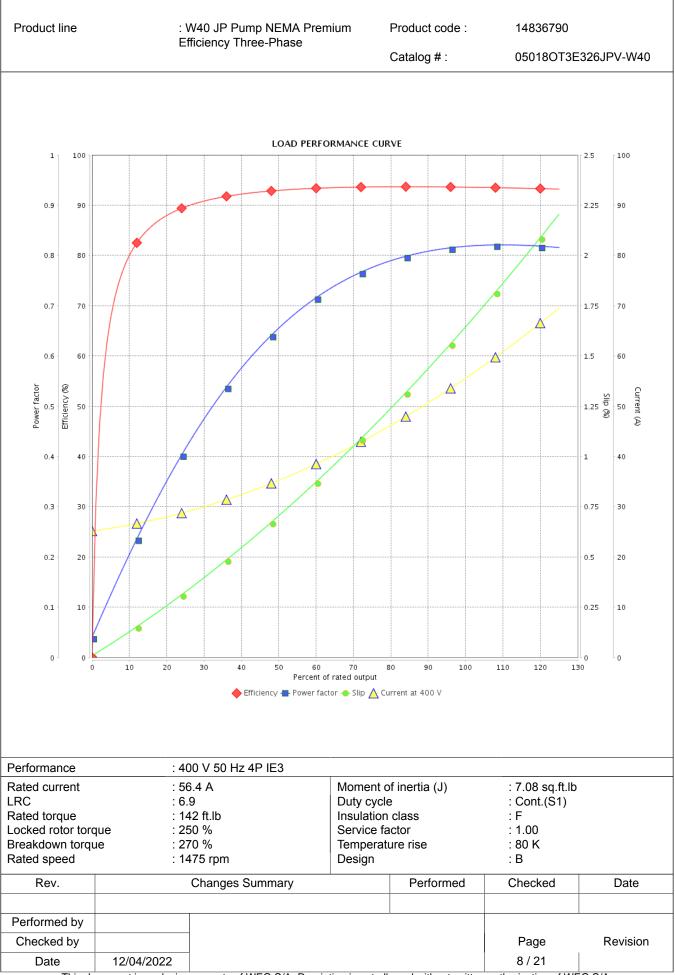
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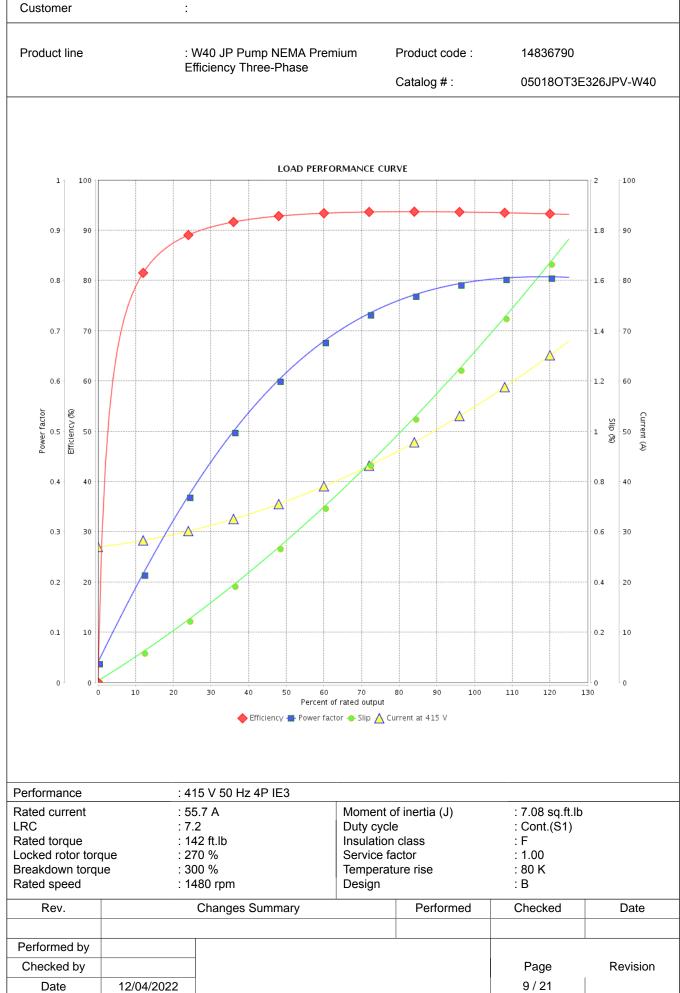


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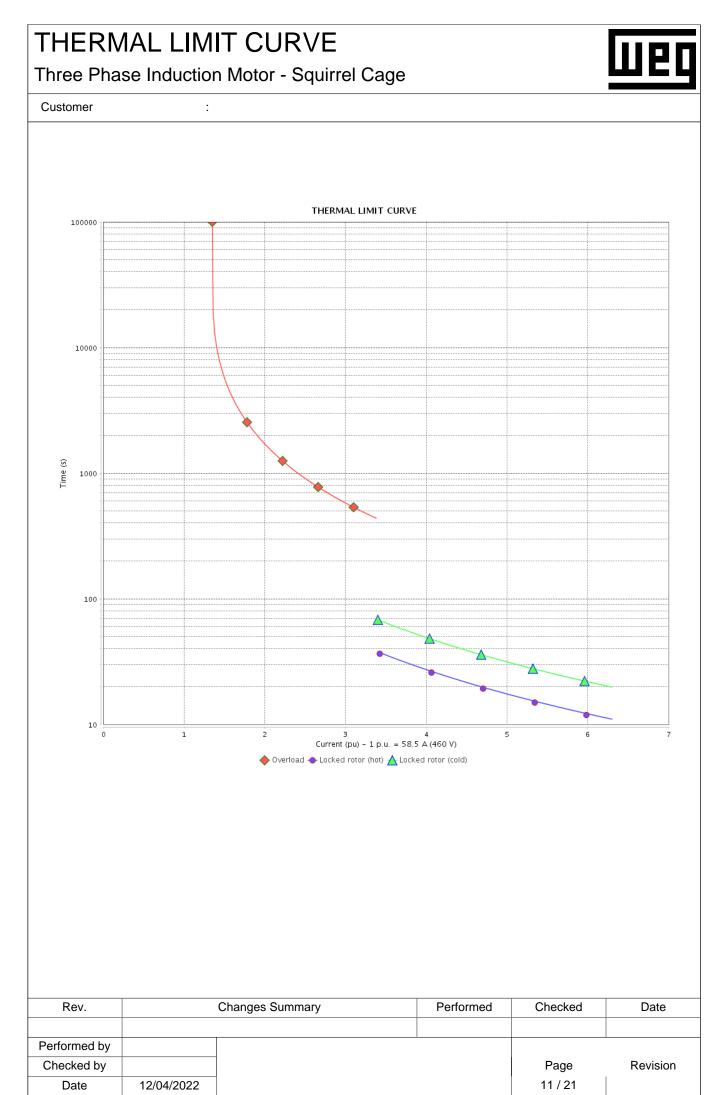
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14836790	
	-			Catalog # :	05018OT3E3	26JPV-W40
Performance		30/460 V 60 Hz 4P				
LRC Rated torque Locked rotor torque Breakdown torque		17/58.5 A .3 48 ft.lb 40 % 40 % 775 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant			~ 			
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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Date	12/04/2022				10 / 21	

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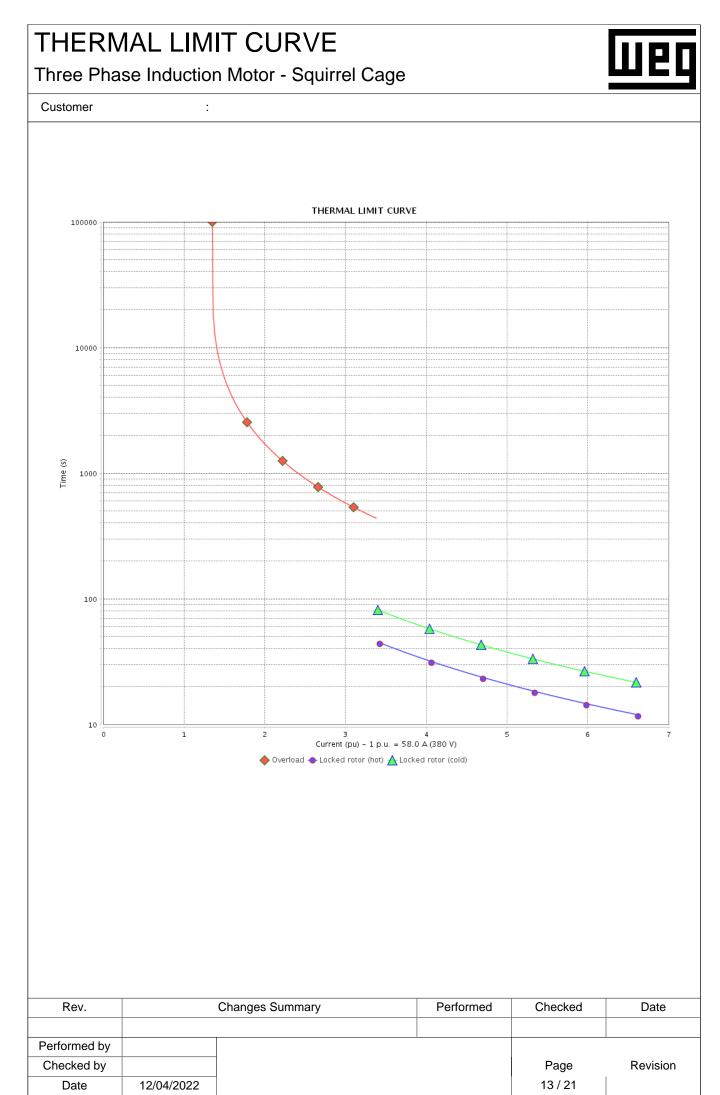
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14836790		
				Catalog # :	05018OT3E326JPV-W40		
Performance		380 V 50 Hz 4P IE3					
Rated current LRC		58.0 A 6.6	Moment o	f inertia (J)	: 7.08 sq.ft.lb : Cont.(S1)		
Rated torque		142 ft.lb	Duty cycle Insulation class		: F		
Locked rotor toro		220 %	Service fa		: 1.00		
Breakdown torqu Rated speed		240 % 1475 rpm	Temperature rise Design		: 80 K : B		
Heating constan Cooling constan							
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Checked by		-			Page	Revision	
Date	12/04/2022	$\neg$			12/21		

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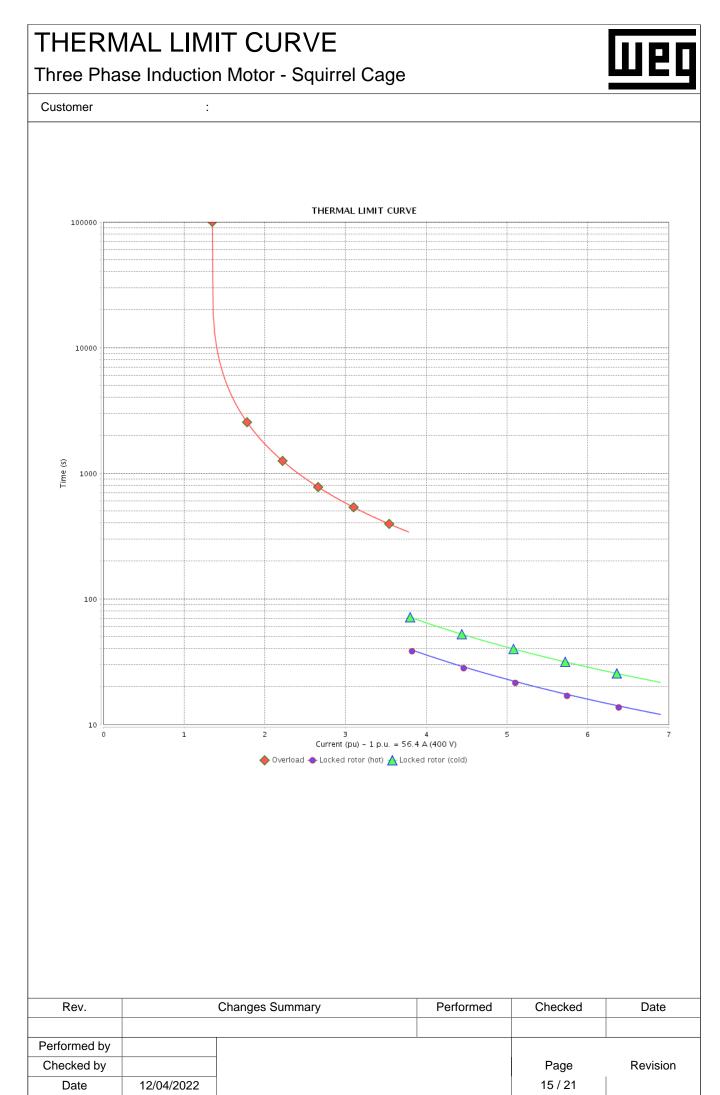
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14836790	
				Catalog # :	05018OT3E32	26JPV-W40
Performance	• 4(	00 V 50 Hz 4P IE3				
Performance: 400 V 50Rated current: 56.4 ALRC: 6.9Rated torque: 142 ft.lbLocked rotor torque: 250 %		6.4 A .9 42 ft.lb 50 %	Moment of inertia (J) Duty cycle Insulation class Service factor		: 7.08 sq.ft.lb : Cont.(S1) : F : 1.00	
Breakdown torqu Rated speed		70 % 475 rpm	Temperate Design	ure rise	: 80 K : B	
			200.911		. 2	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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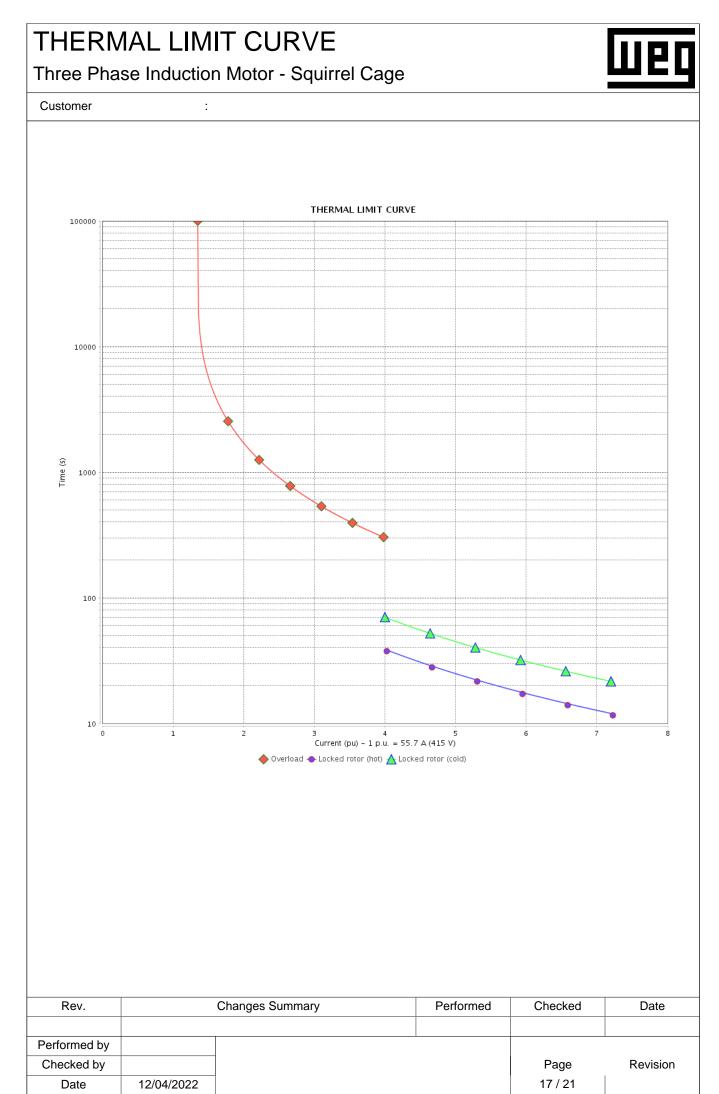
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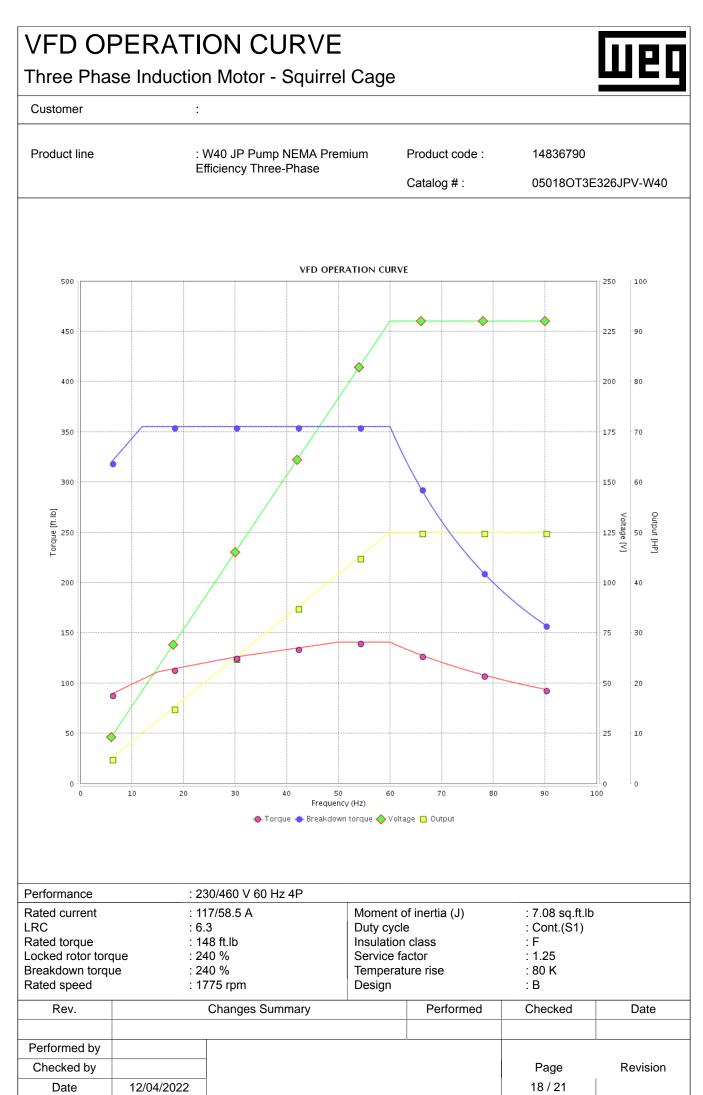


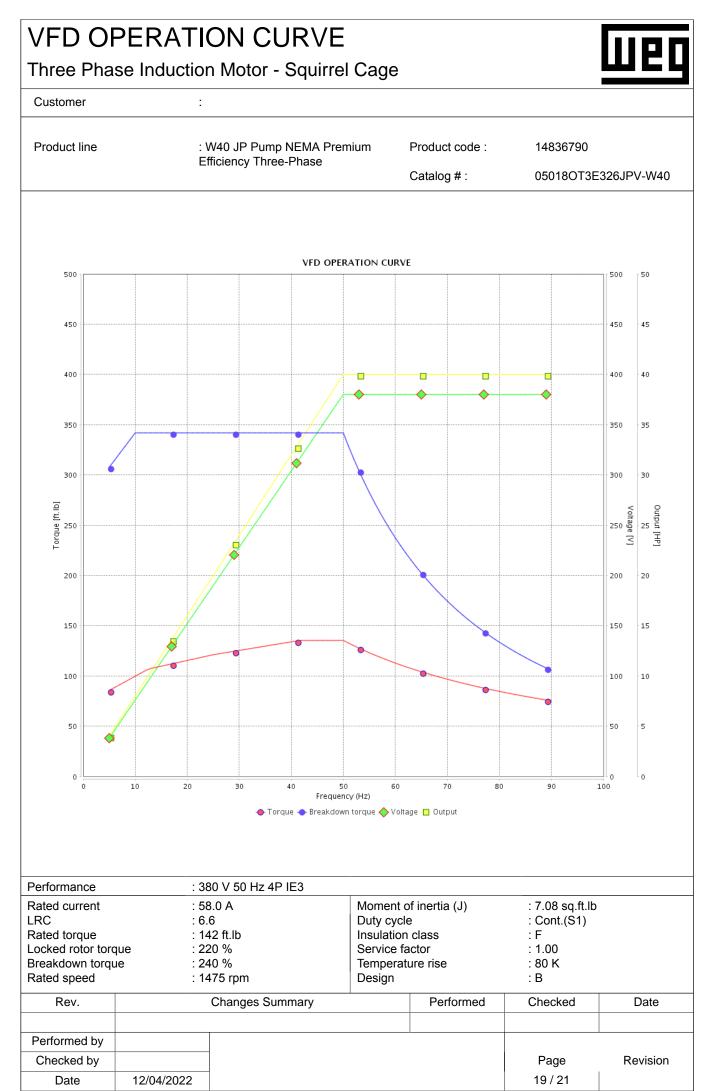
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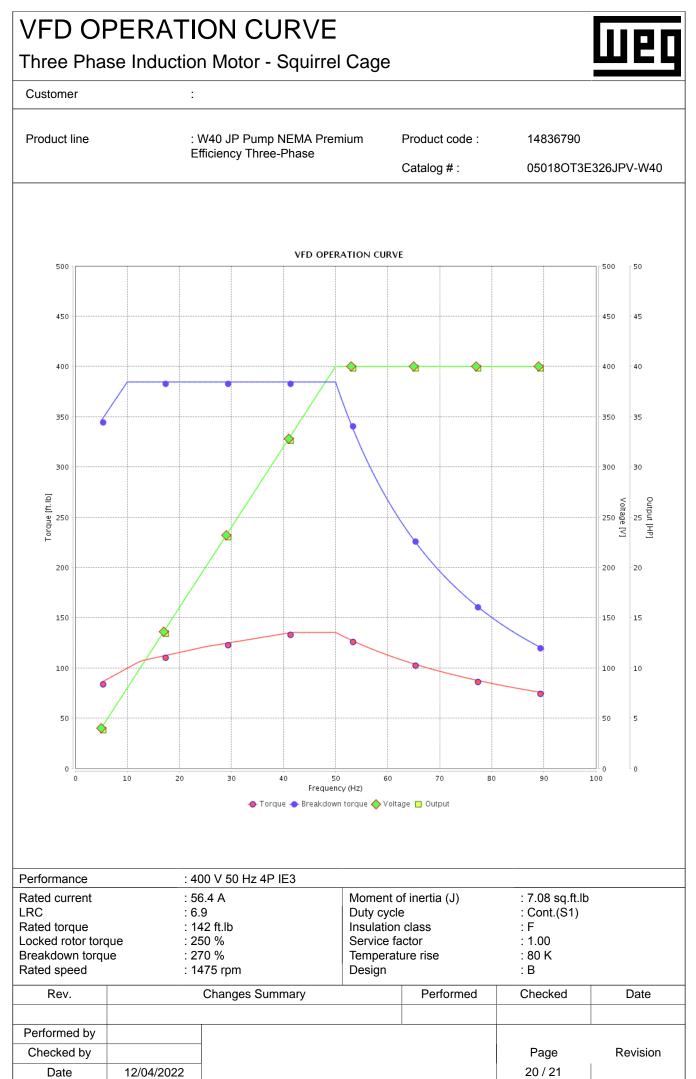
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code : Catalog # :	14836790 05018OT3E32	14836790 05018OT3E326JPV-W40	
Performance	: 4	15 V 50 Hz 4P IE3					
Rated current		5.7 A		of inertia (J)	: 7.08 sq.ft.lb		
LRC Rated torque	: 7	.2 42 ft.lb	Duty cycl		: Cont.(S1) : F		
Locked rotor torque		70 %	Insulation class Service factor		: 1.00		
Breakdown torque	e : 3	00 %	Temperat	ture rise	: 80 K		
Rated speed	: 1	480 rpm	Design		: B		
Heating constant							
Cooling constant				· · · · ·			
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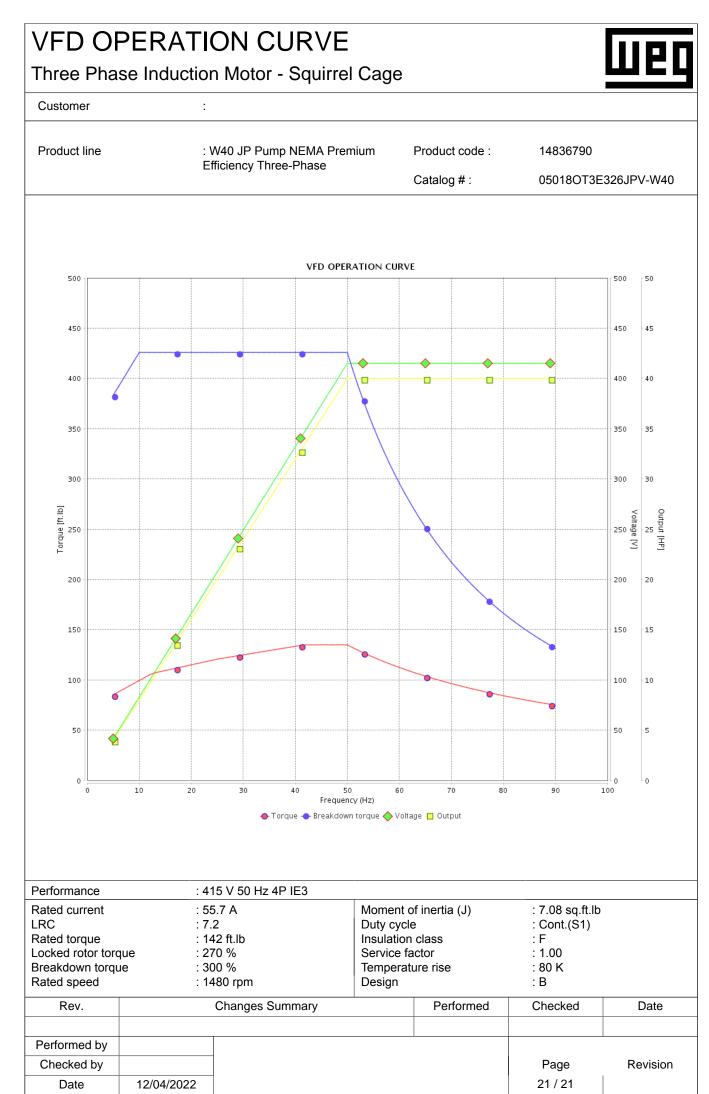
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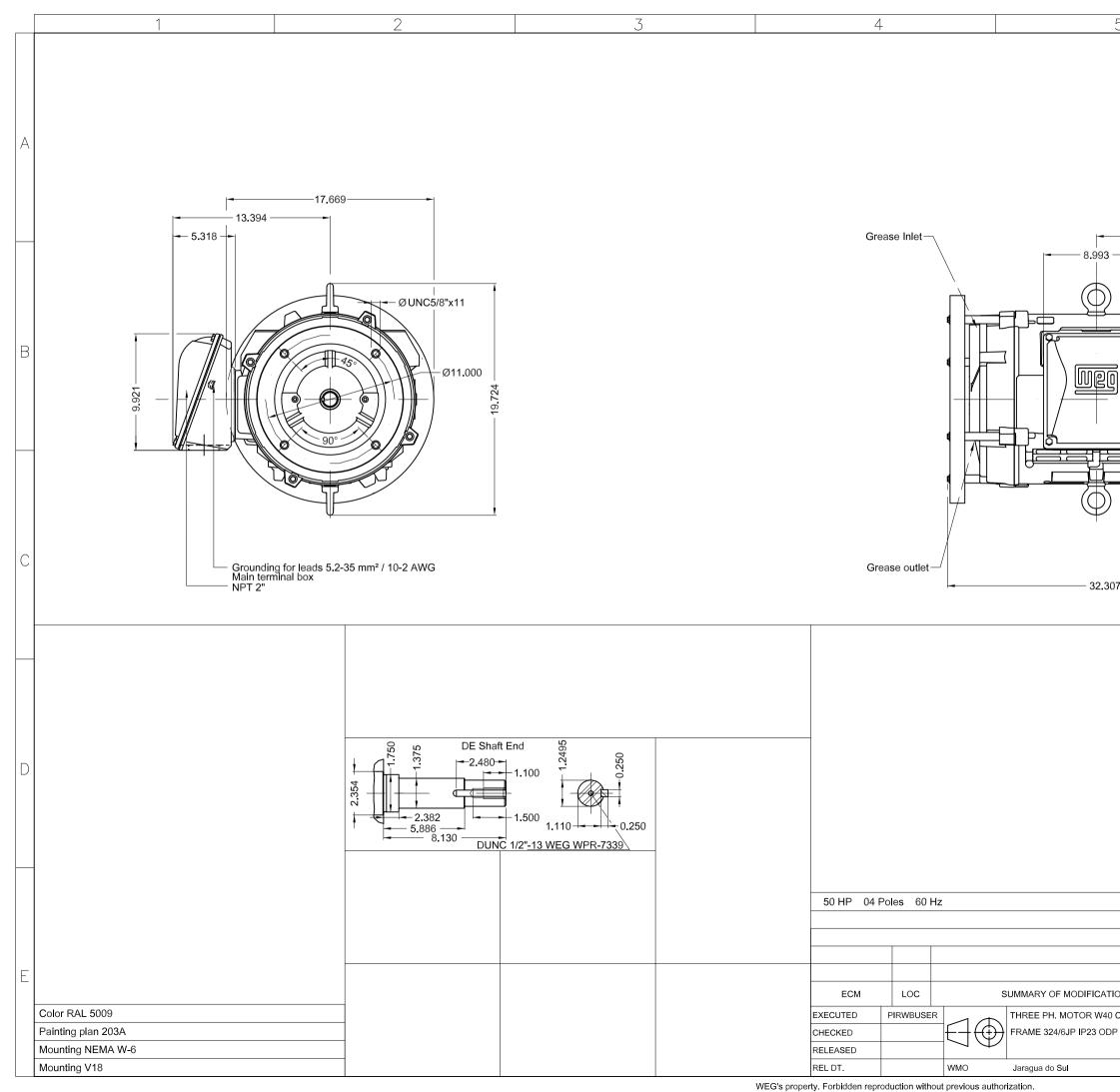












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