DATA SHEET

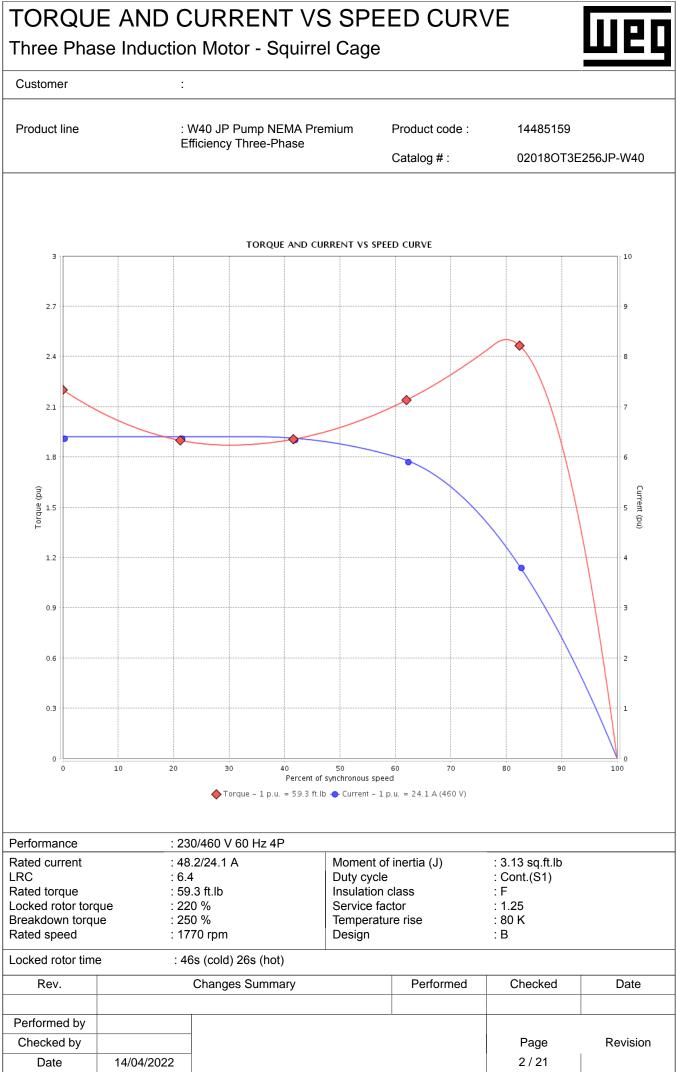
Three Phase Induction Motor - Squirrel Cage

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Customer

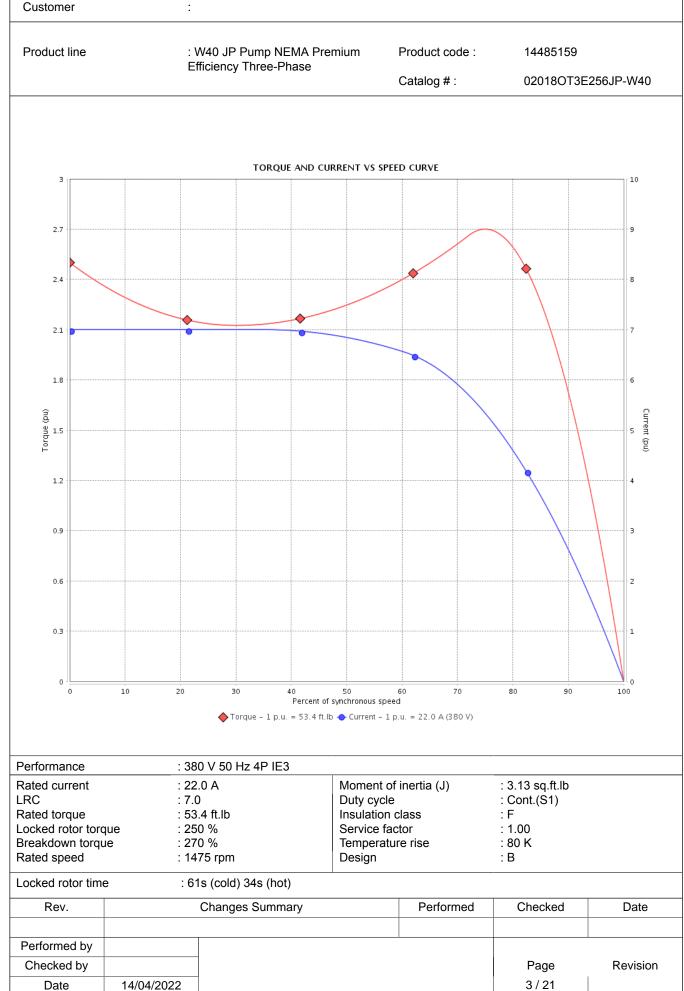
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		um Proc	n Product code :		14485159	
	Catalog # :		alog # :	02018OT3E256JP-W40				
Frame		: 254/6JP		Cooling met	hod	: IC01 -	ODP	
Insulation class		: F		Mounting		: F-1		
Duty cycle		: Cont.(S1)		Rotation ¹		: Both (CW and CCW)		
Ambient tempera	ature	: -20°C to +40°C		Starting met			ect On Line	
Altitude		: 1000 m.a.s.l.		Approx. weight ³		: 305 lb		
Protection degree Design		: IP23 : B		Moment of inertia (J)		: 3.13 sq.ft.lb		
Design Dutput [HP]		20		15	15		15	
oles		4		4	4	,	4	
		60		50	50		50	
requency [Hz]		230/460		380	400		415	
Rated voltage [V]							-	
ated current [A]		48.2/24.1		22.0	21.		21.2	
. R. Amperes [A]		308/154		154	150		155	
RC [A]	-	6.4x(Code G)	7.0	Dx(Code H)	7.3x(Co		7.3x(Code J)	
lo load current [A		20.0/10.0		9.90	10.		11.3	
ated speed [RPI	VI]	1770		1475	148		1480	
Slip [%]	-	1.67		1.67	1.3		1.33	
Rated torque [ft.lb		59.3	53		53.		53.2	
ocked rotor torqu		220		250	240		290	
Breakdown torque	e [%]	250		270	300		330	
Service factor		1.25		1.00	1.0		1.00	
emperature rise		80 K		80 K	80	к	80 K	
_ocked rotor time		46s (cold) 26s (hot)	61s (cold) 34s (52s (cold)	29s (hot)	46s (cold) 26s (hot)	
loise level ²		62.0 dB(A)		<u>, , , ,</u>				
	25%	92.2		90.9	91.	0	91.0	
Efficiency (0/)	50%	92.4		91.1	91.	1	91.1	
Efficiency (%)	75%	93.0		91.5	91.	5	91.5	
	100%	93.0	91.5		91.		91.5	
	25%	0.43		0.40	0.3		0.34	
_	50%	0.69		0.66	0.6		0.59	
Power Factor	75%	0.79		0.00	0.7		0.72	
	100%	0.84		0.83	0.8		0.72	
	10070		ive end	Foundation le		·	0.70	
Bearing type			9 Z C3					
		: Without Withou						
Sealing		Bearing Seal Bearing Seal		Max. compre	551011			
Lubrication inter	val							
Lubricant amour								
	it.	: 13 g 9 g Mobil Polyrex EM						
Lubricant type								
Notes USABLE @208V	′ 53.3A SF 1.	15 SFA 61.3A						
		ncel the previous one, w	hich				s with sinusoidal	
must be eliminate (1) Looking the m	notor from the 1m and with t	e shaft end. colerance of +3dB(A). ct to changes after		power supply MG-1.	y, subject to the	e loierances s	tipulated in NEMA	
(2) Measured at	ocess.							
2) Measured at (3) Approximate (3) manufacturing pr	ocess.	Changes Summary	,	I	Performed	Checked	Date	
 (2) Measured at (3) Approximate (3) manufacturing pr (4) At 100% of fu 	ocess.	Changes Summary	,		Performed	Checked	Date	
 (2) Measured at (3) Approximate (3) manufacturing pr (4) At 100% of fu 	ocess.	Changes Summary	,		Performed	Checked	Date	
2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	ocess.	Changes Summary	,		Performed	Checked	Date	



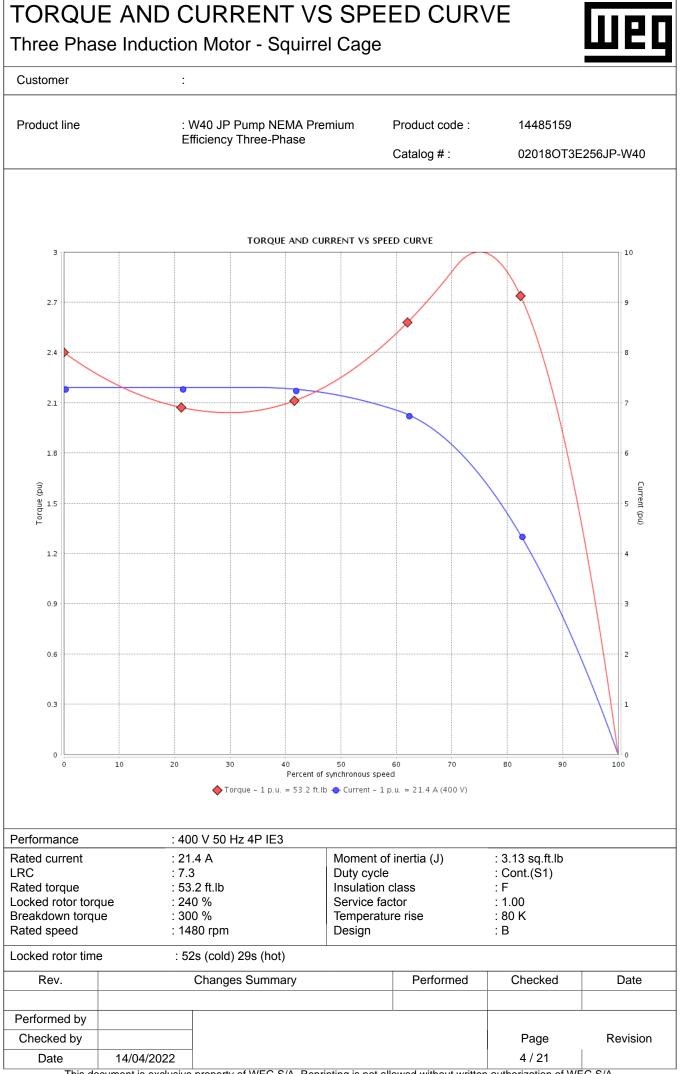
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



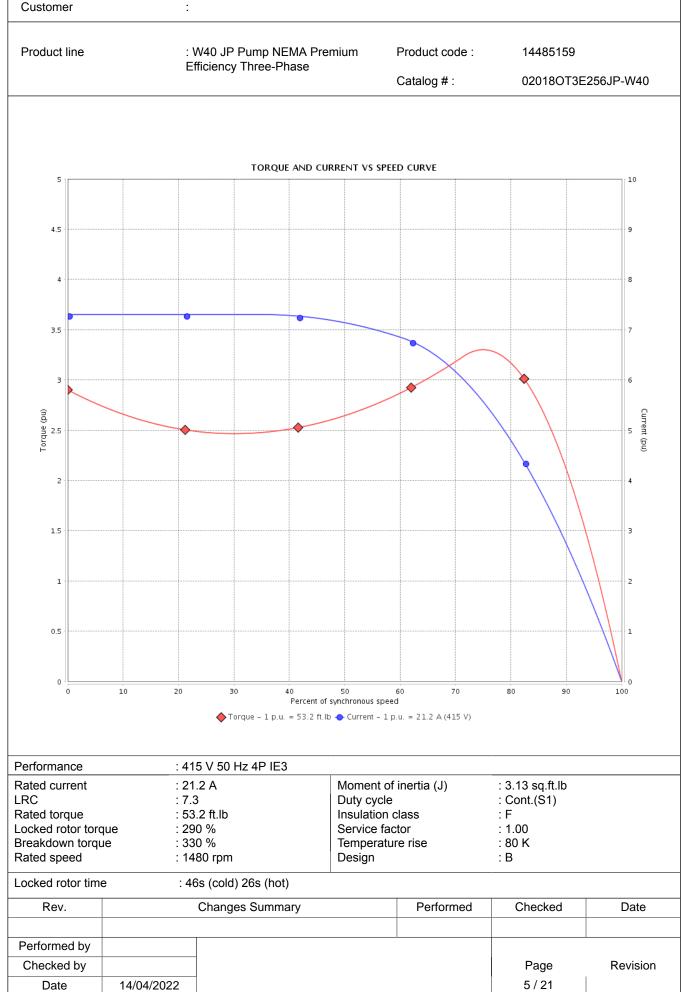
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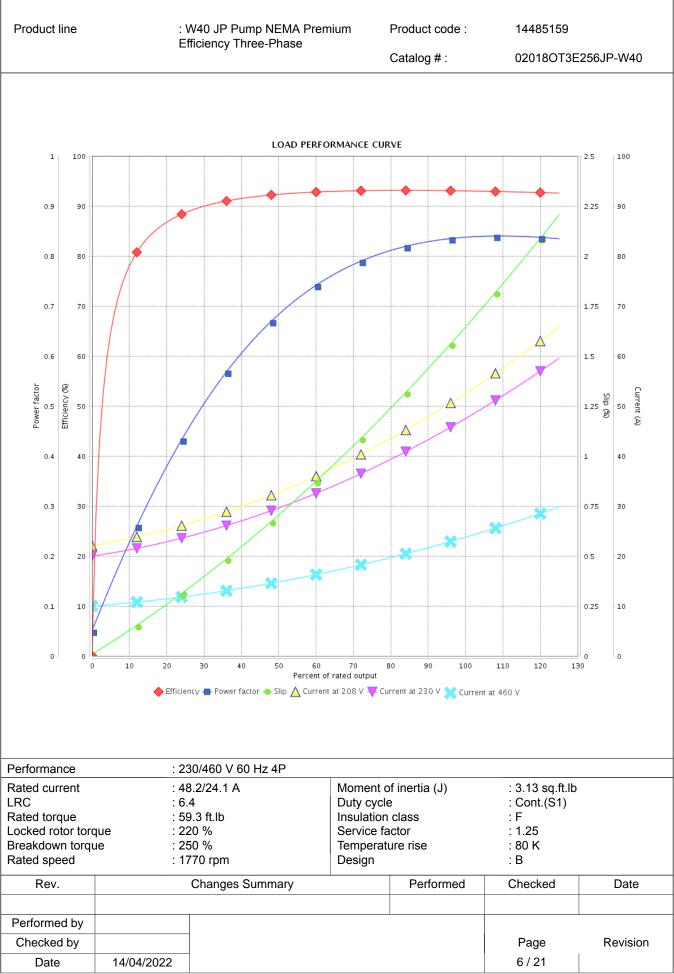
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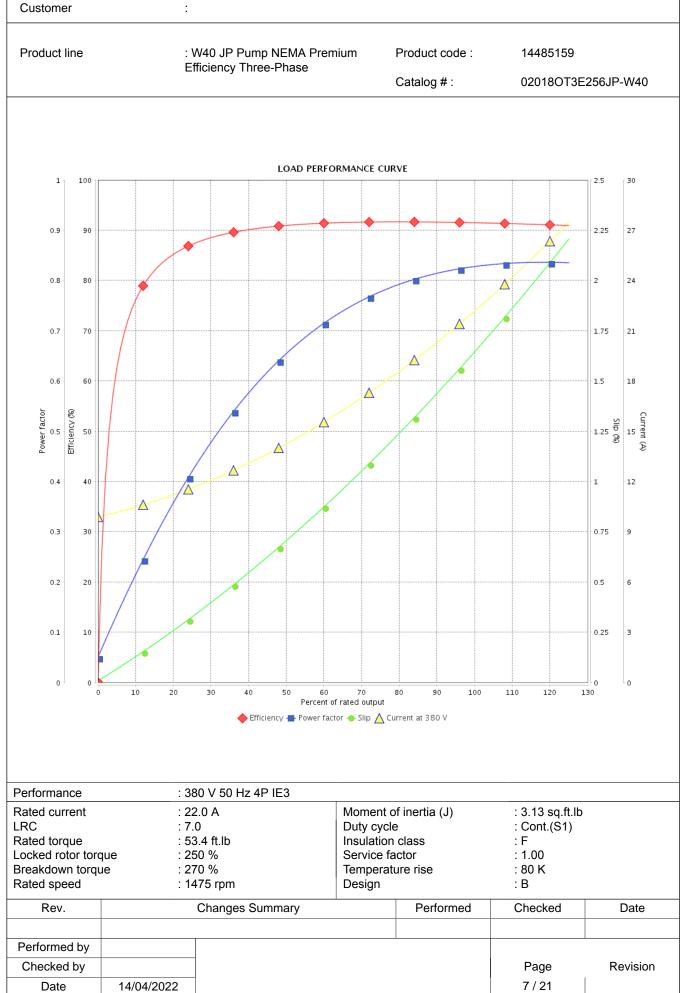


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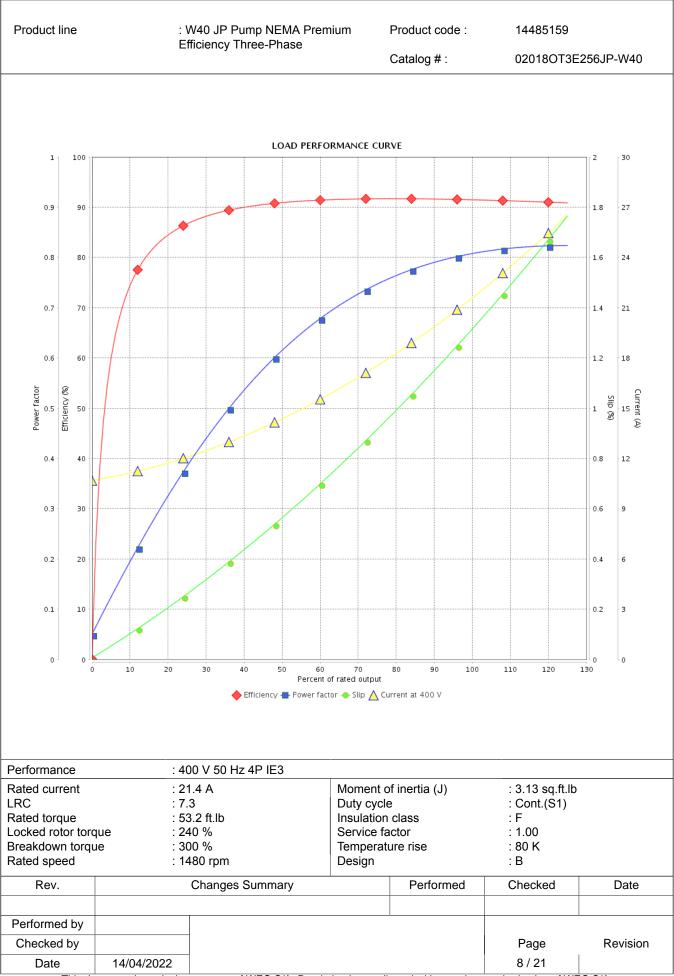
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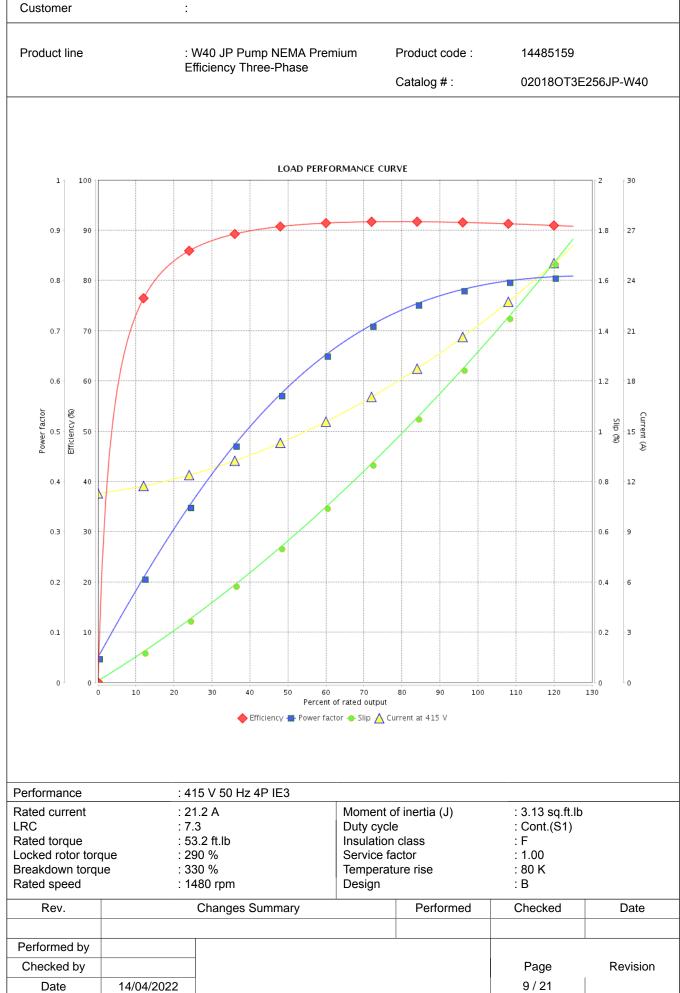


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THERMAL LIMIT CURVE

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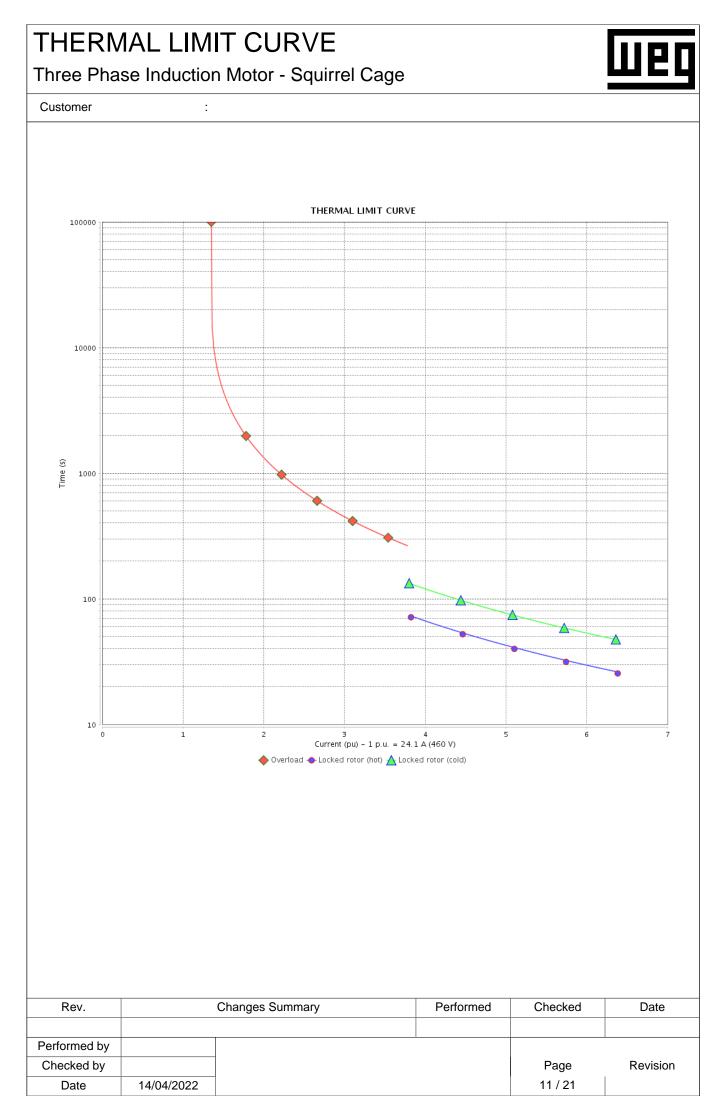
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Customer

	: W40 JP Pump NEMA Premium Efficiency Three-Phase					
Product line			Product code :	14485159		
			Catalog # :	02018OT3E2	56JP-W40	
Performance	: 230/460 V 60 Hz 4P	230/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque	: 6.4 Duty cyc : 59.3 ft.lb Insulatio : 220 % Service		class actor	: 3.13 sq.ft.lb : Cont.(S1) : F : 1.25	: Cont.(S1) : F : 1.25	
Breakdown torque Rated speed	: 250 % Tempera : 1770 rpm Design		ure rise	: 80 K : B		
Heating constant						
Cooling constant						
Rev.	Changes Summary		Performed	Checked	Date	
Performed by Checked by				Page	Revision	
Date 14/04/2022				Page 10 / 21	NEVI310[1	

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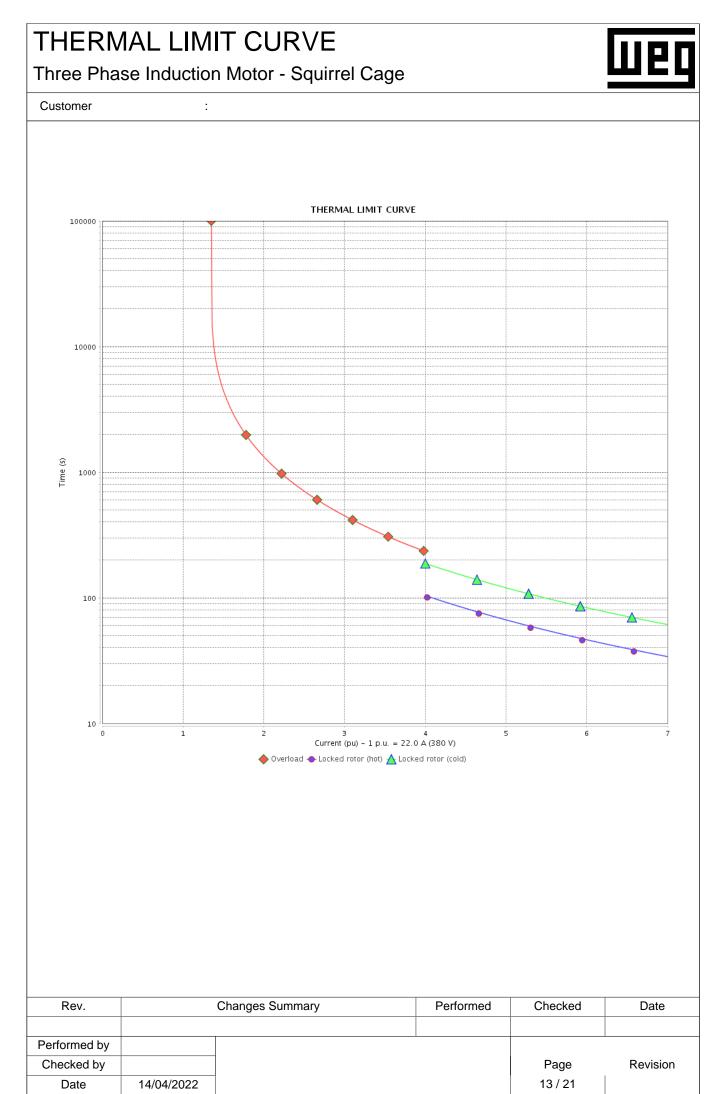
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Customer

Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14485159	14485159		
				Catalog # :	02018OT3E2	02018OT3E256JP-W40		
Performance								
		: 380 V 50 Hz 4P IE3 : 22.0 A Momen		finartia (1)	· 2 12 og ft lb			
		: 7.0 Momentary 22.0 A Momentary 22.0 A Momentary 22.0 A Momentary 20.0 A		of inertia (J) e	: 3.13 sq.ft.lb : Cont.(S1)			
Rated torque		: 53.4 ft.lb Insulation		class	: F			
Locked rotor torque Breakdown torque	otor torque : 250 % Serv		Service fa		: 1.00 : 80 K			
Rated speed		475 rpm	Temperature rise Design		: B			
Heating constant			-					
Cooling constant								
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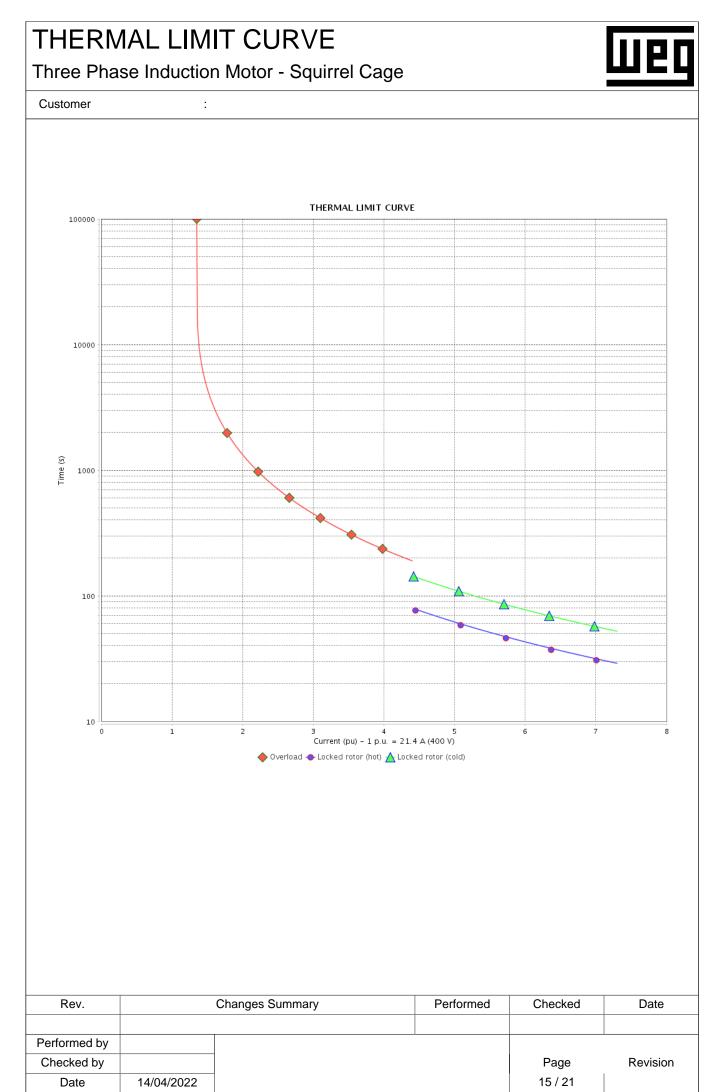
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Customer

Product line	: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14485159		
			Catalog # :	02018OT3E2	56JP-W40	
Dorformanaa	: 400 V 50 Hz 4P IE3					
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 21.4 A : 7.3 : 53.2 ft.lb : 240 % : 300 %	Duty cycle Insulation Service fa Temperat	i class actor	: 3.13 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Rated speed	: 1480 rpm	Design		. U		
Heating constant						
Cooling constant	Changes Summers		Dorforment	Chaskad	Data	
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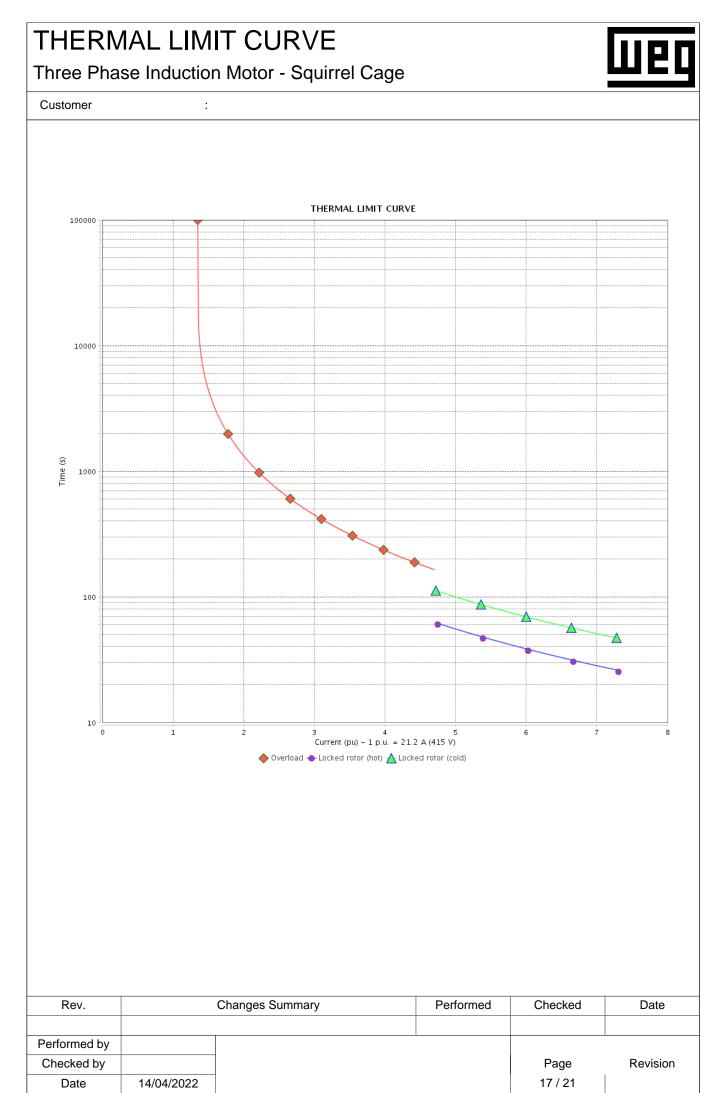
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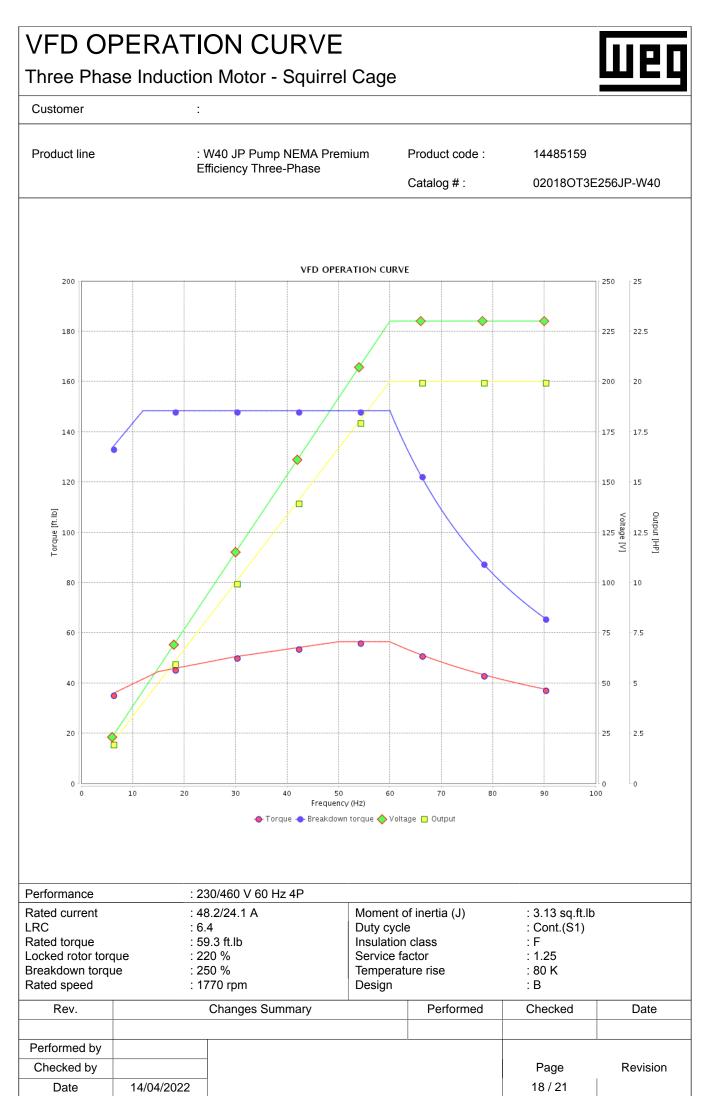


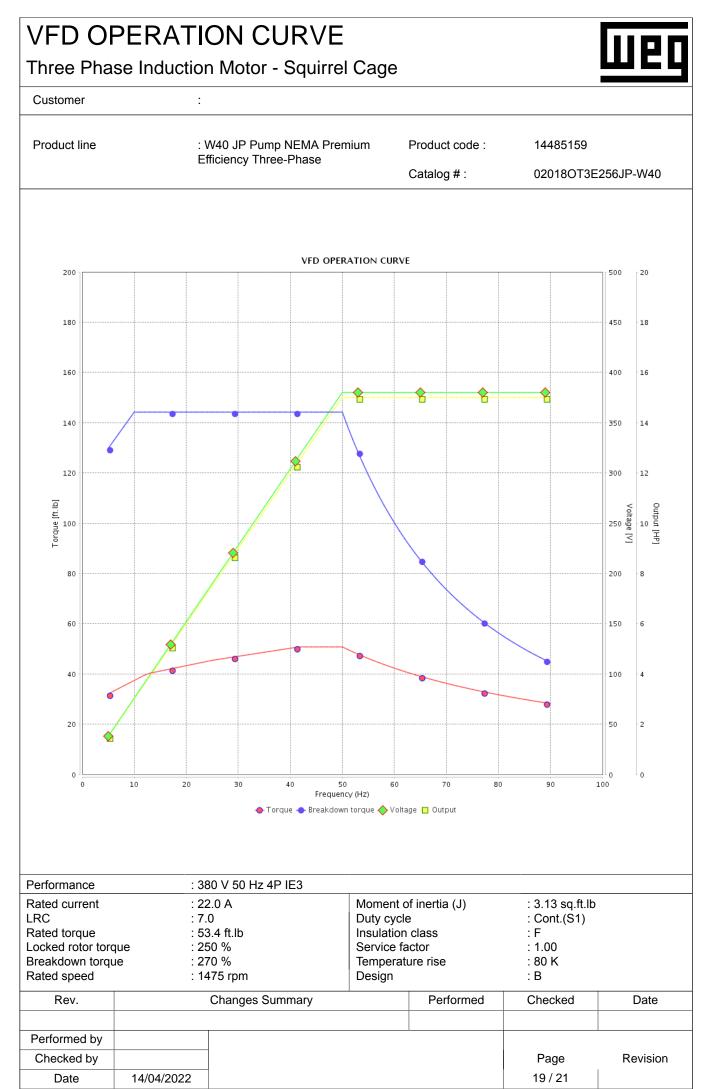
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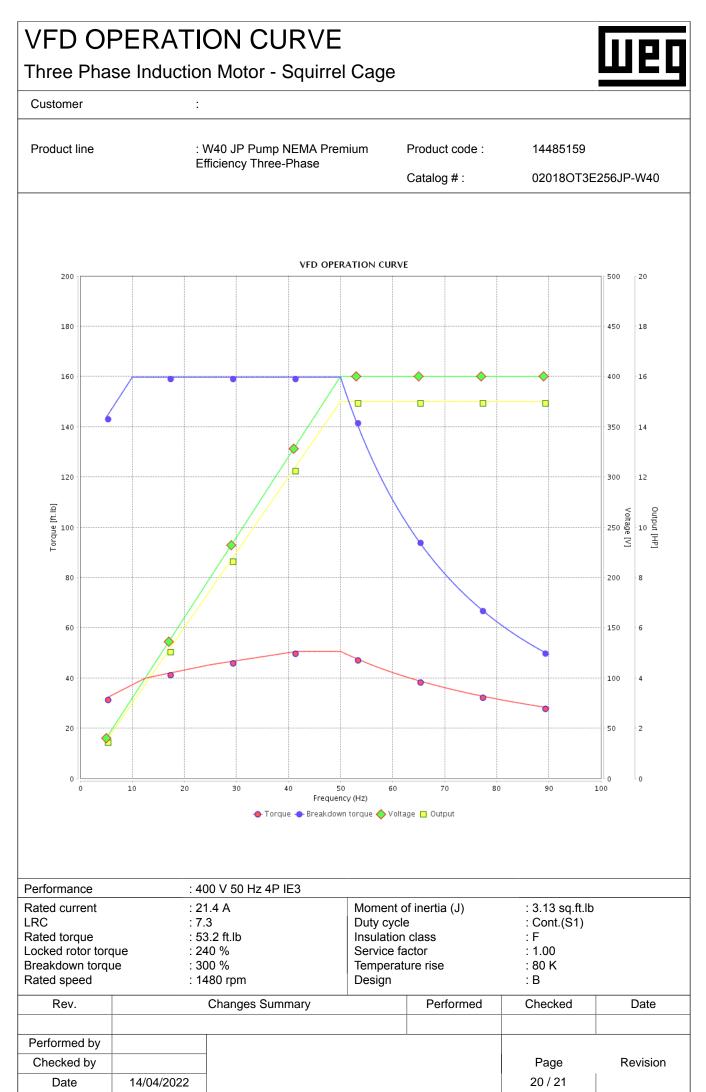
Product line		: W40 JP Pump NEMA Premium Efficiency Three-Phase		Product code :	14485159	14485159	
				Catalog # :	02018OT3E2	56JP-W40	
Performance	· 1	15 V 50 Hz 4P IE3			·····		
Rated current LRC Rated torque Locked rotor torque Breakdown torque				class actor	: 3.13 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant							
Cooling constant							
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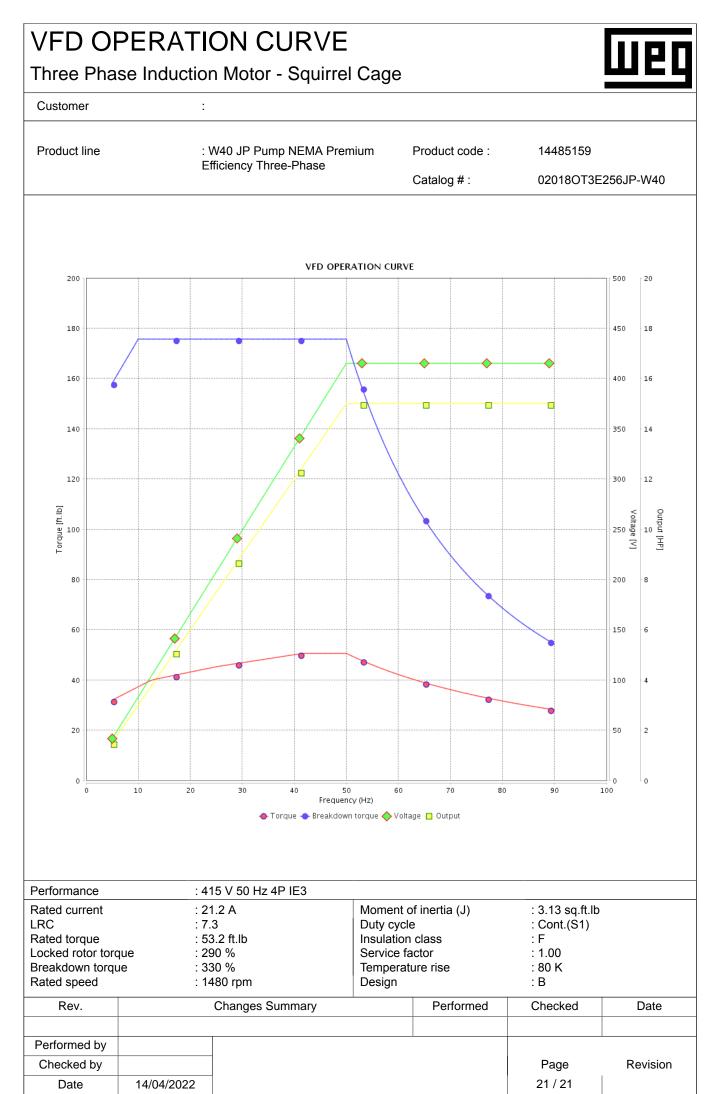
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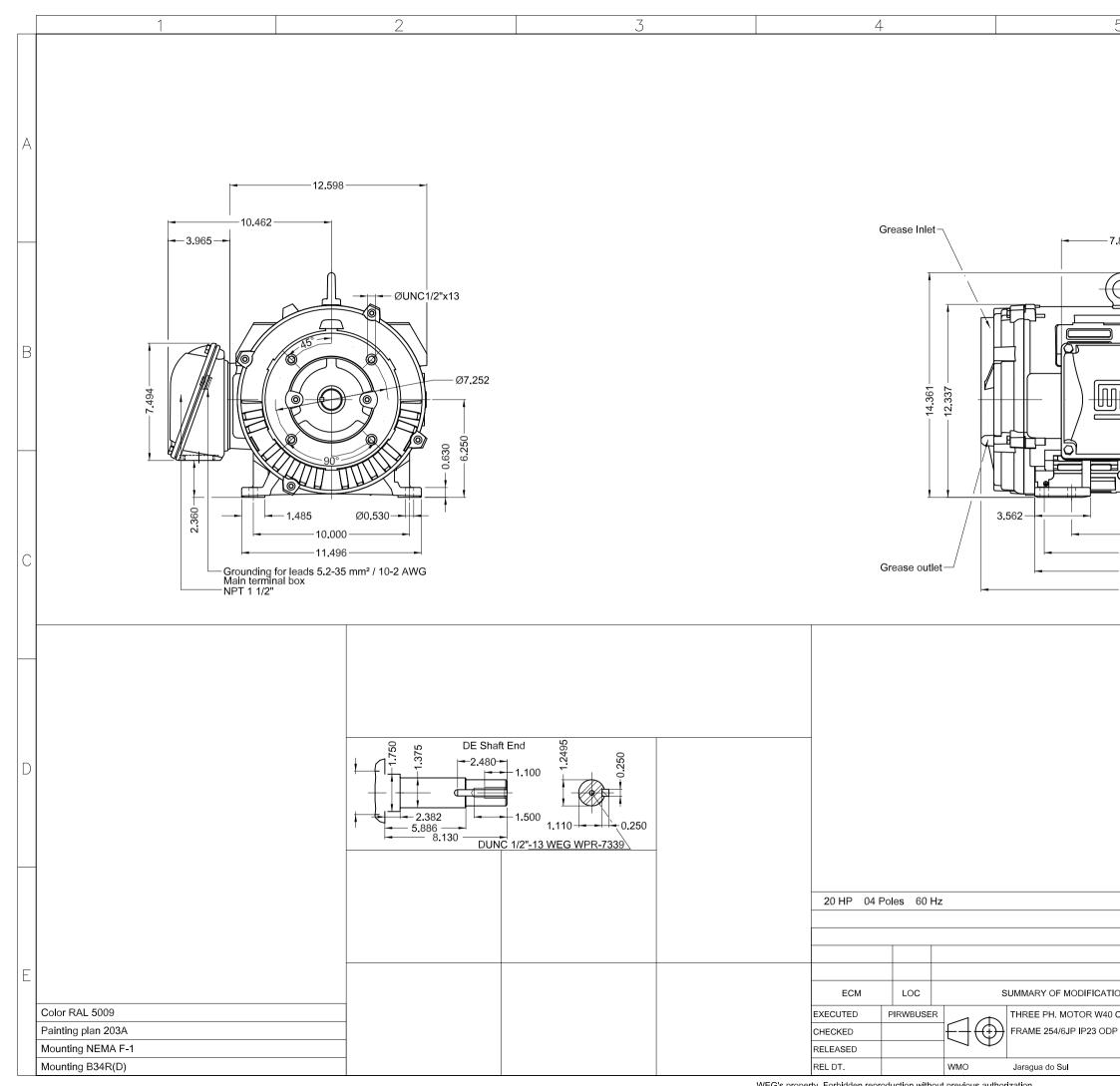












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