DATA SHEET

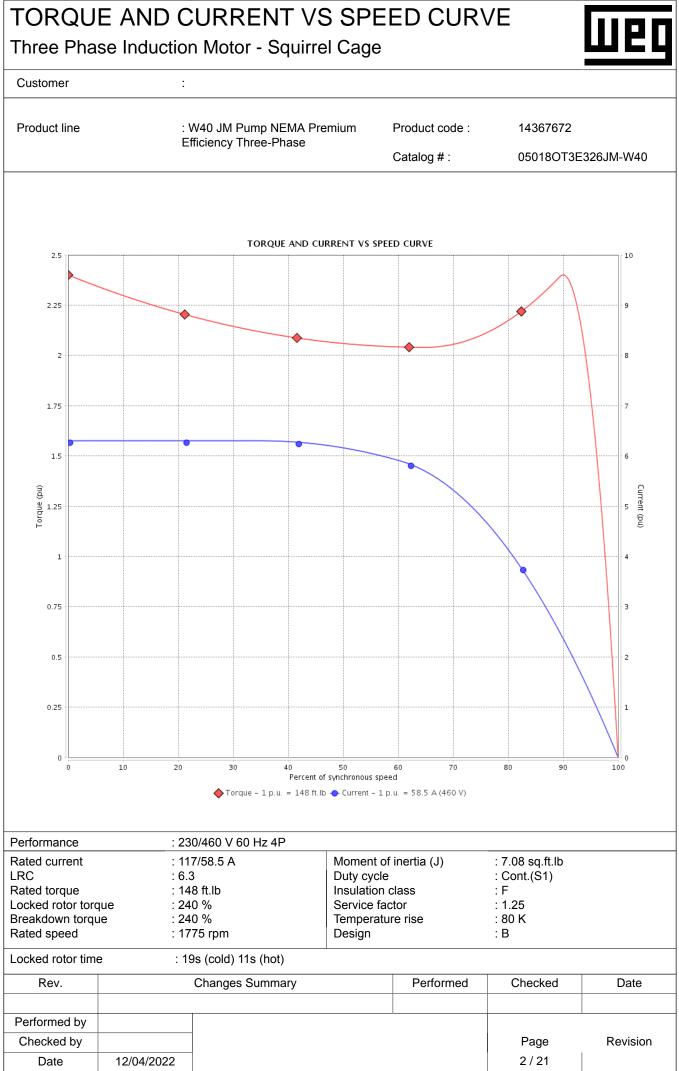
Three Phase Induction Motor - Squirrel Cage

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Customer

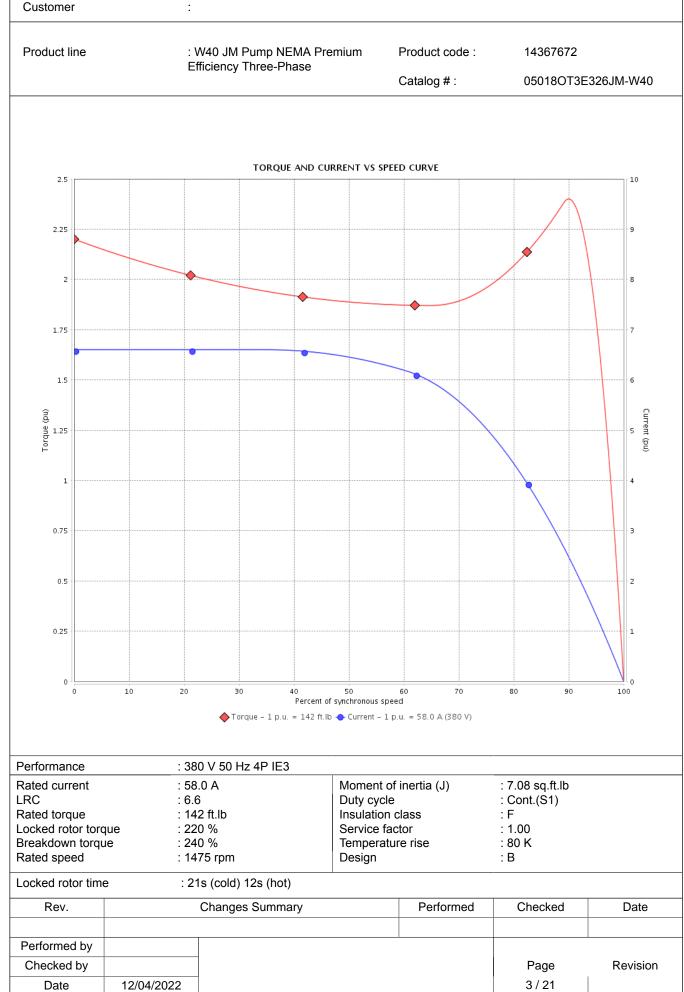
Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		um Proc	m Product code :		14367672	
				Catalog # :		050180	05018OT3E326JM-W40	
Frame		: 324/6JM		Cooling met	hod	: IC01 -	- ODP	
Insulation class		:F		Mounting		: F-1		
Duty cycle		: Cont.(S1)		Rotation ¹		: Both (CW and CCW)		
Ambient tempera	ature	: -20°C to +40°C		Starting method		: Direct On Line		
Altitude		: 1000 m.a.s.l.		Approx. weight ³		: 524 lb		
Protection degre	e	: IP23		Moment of inertia (J)		: 7.08 sq.ft.lb		
Design		: B						
Dutput [HP]		50		40	40		40	
Poles		4		4	4		4	
requency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380 58.0	400		415	
Rated current [A]					56.4		55.7	
. R. Amperes [A]		737/369		383	389			
.RC [A]				Sx(Code G)	6.9x(Co		7.2x(Code J)	
lo load current [A		46.4/23.2		22.8	25.2	2	27.0	
Rated speed [RPI	M]	1775			147	5	1480	
6lip [%]	-	1.39		1475 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	270		300	
Service factor	. [,.]	1.25			1.00		1.00	
emperature rise		80 K			80 K		80 K	
ocked rotor time		19s (cold) 11s (hot)	21e (r	80 K cold) 12s (hot)	21s (cold) 12s (hot)		21s (cold) 12s (hot)	
		66.0 dB(A)					213 (0010) 123 (1101)	
	25%	94.0		92.9	92.9	<u> </u>	92.9	
	25% 50%			92.9			92.9	
Efficiency (%)		94.1			93.1			
	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	2	0.80	
Bearing type			ive end	Foundation lo				
				Max. traction				
Sealing				Max. compre	SSION			
Lubric - the state			ing Seal					
Lubrication inter			000 h					
Lubricant amour	π	: 21 g 11 g						
Lubricant type		: Mobil Polyrex EM						
Notes USABLE @208V	′ 129A SF 1.′	15 SFA 149A						
must be eliminate (1) Looking the m (2) Measured at (3) Approximate	ed. notor from the 1m and with t weight subjec	ncel the previous one, where shaft end. tolerance of +3dB(A). tot to changes after	hich				sts with sinusoidal stipulated in NEMA	
manufacturing pr (4) At 100% of fu Rev.		Changes Summary		 	Performed	Checked	d Date	
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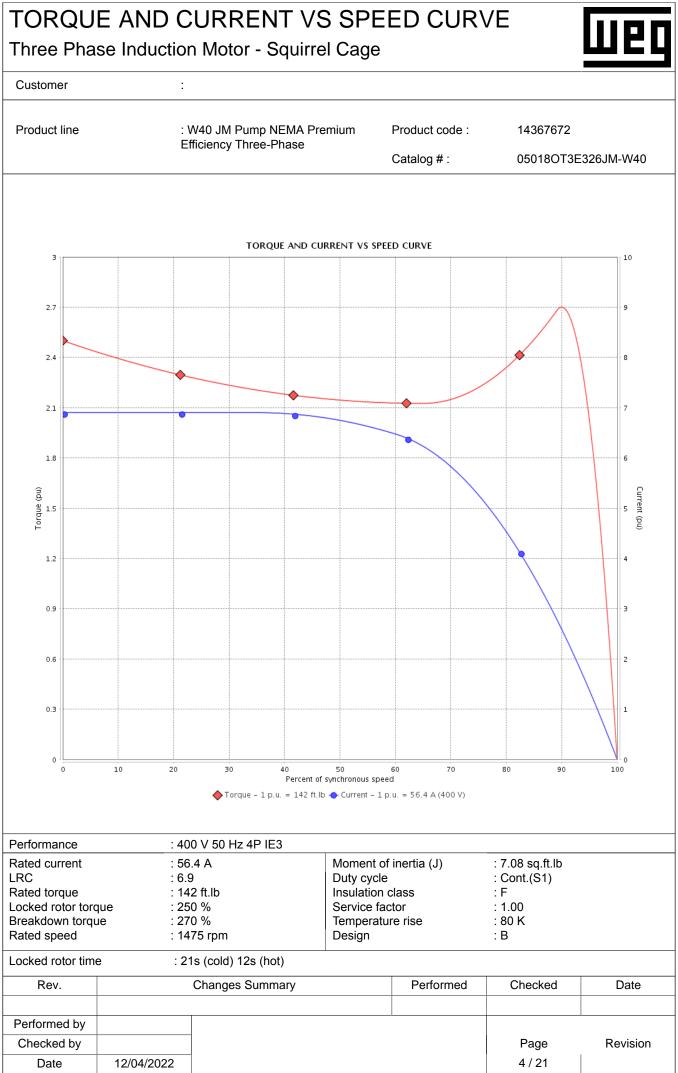
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



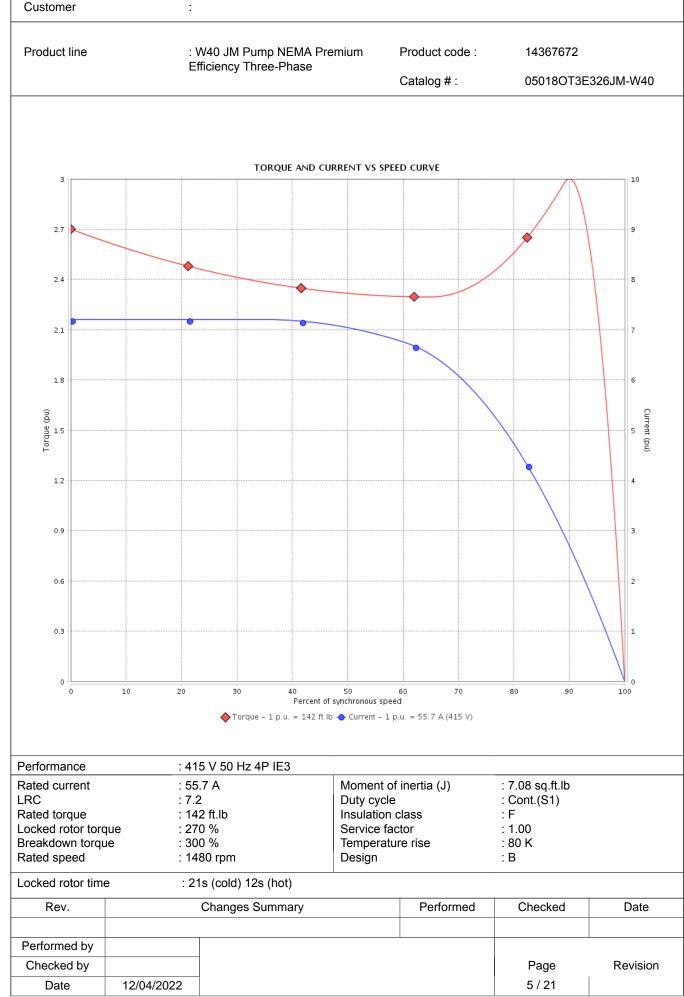
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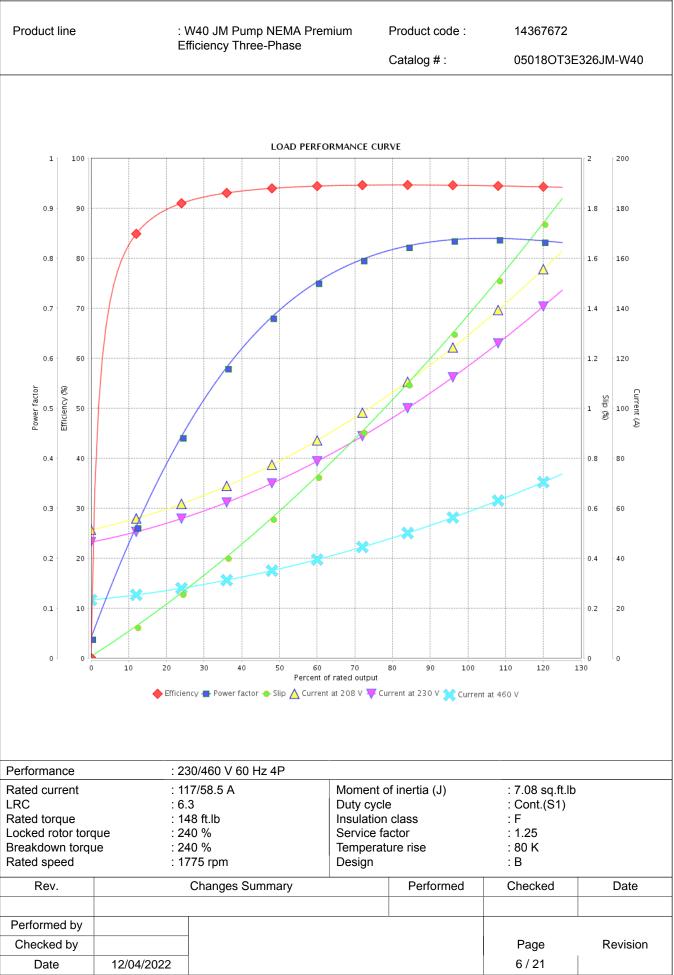
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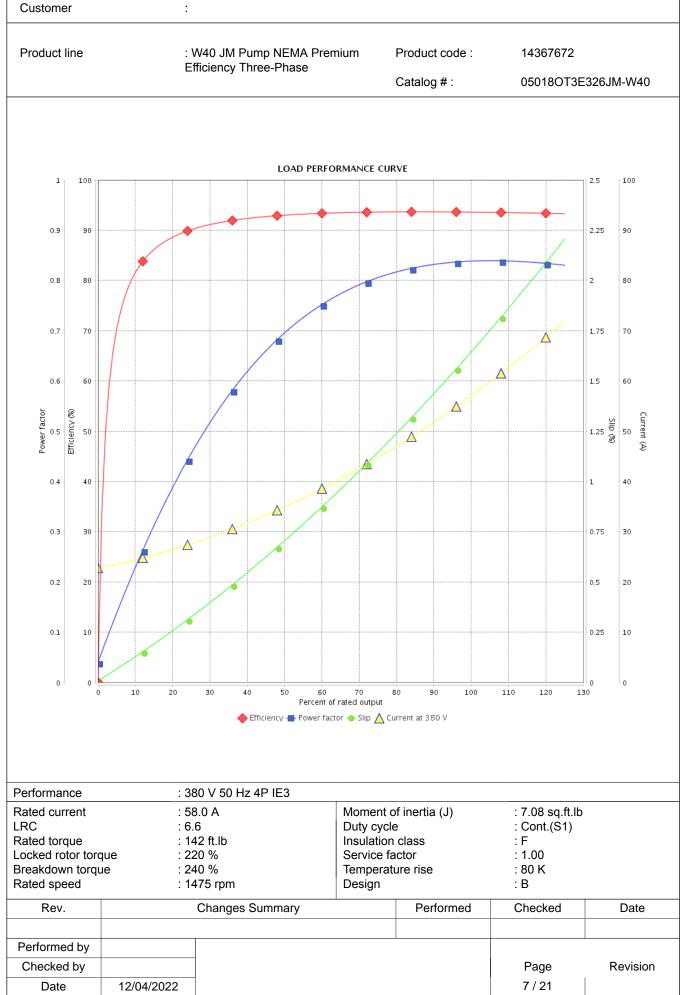


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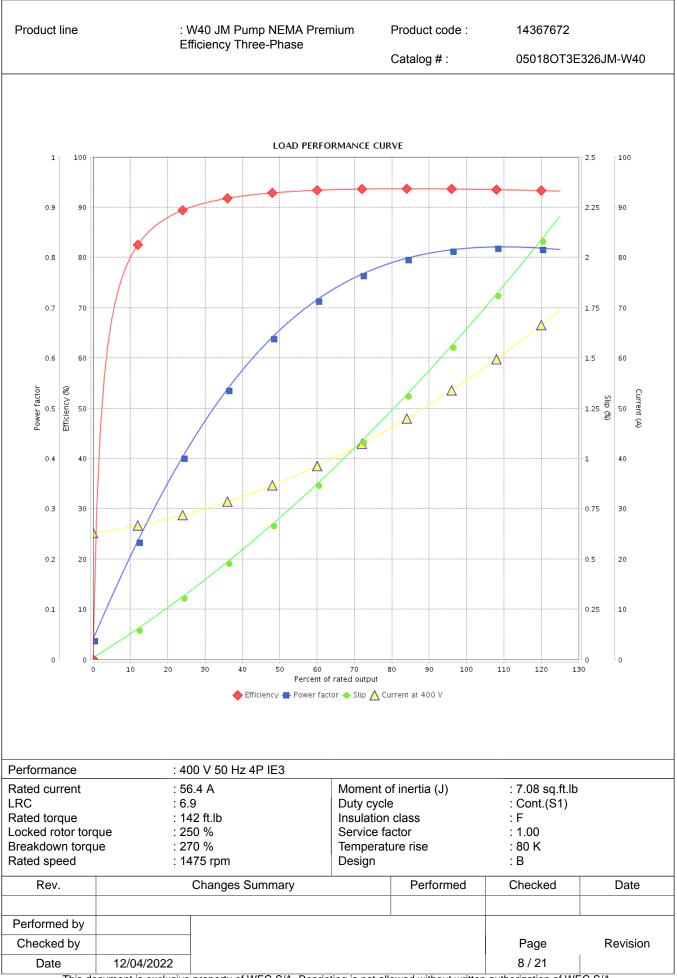
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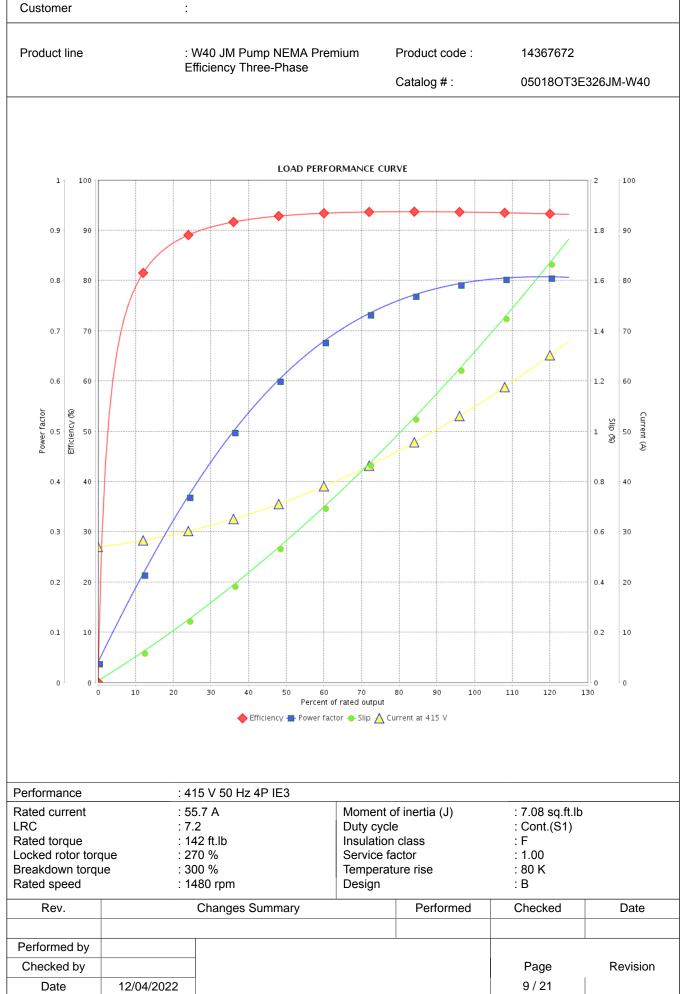


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THERMAL LIMIT CURVE

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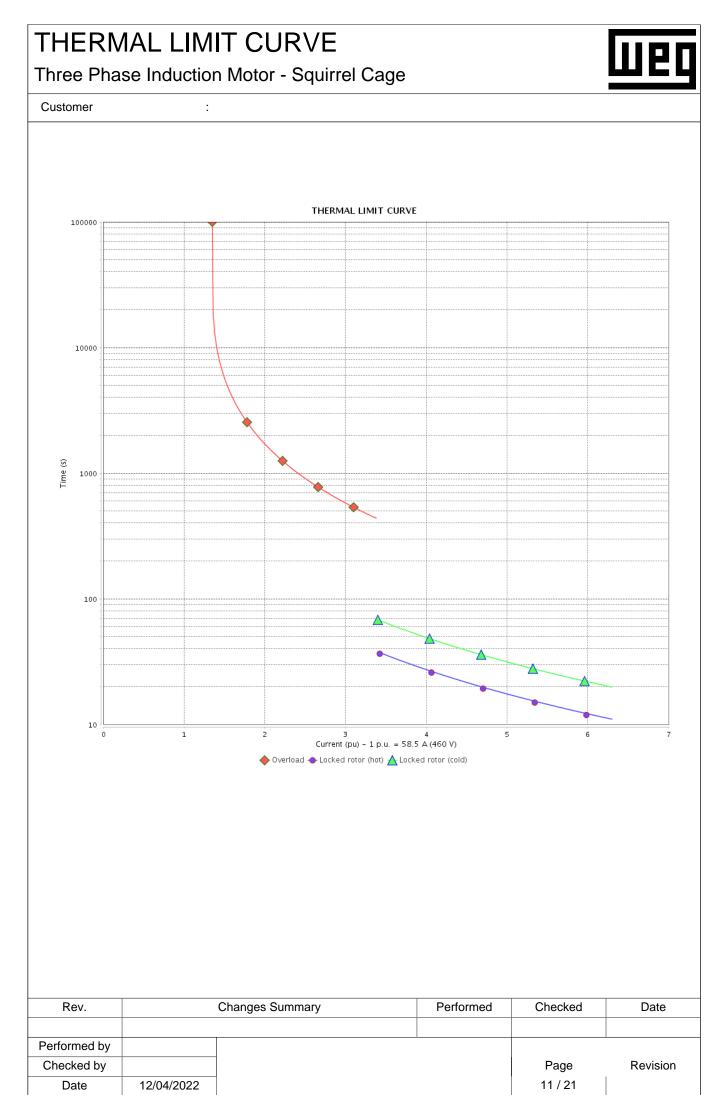
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Customer

Product line		W40 JM Pump NEMA Prem	iium	Product code :	14367672	
	E	fficiency Three-Phase		Catalog # :	05018OT3E32	26JM-W40
Performance	• 2	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 1' : 6. : 14 que : 24 Je : 24	17/58.5 A	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant			5			
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by		-			_	_
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Date	12/04/2022				10/21	

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THERMAL LIMIT CURVE

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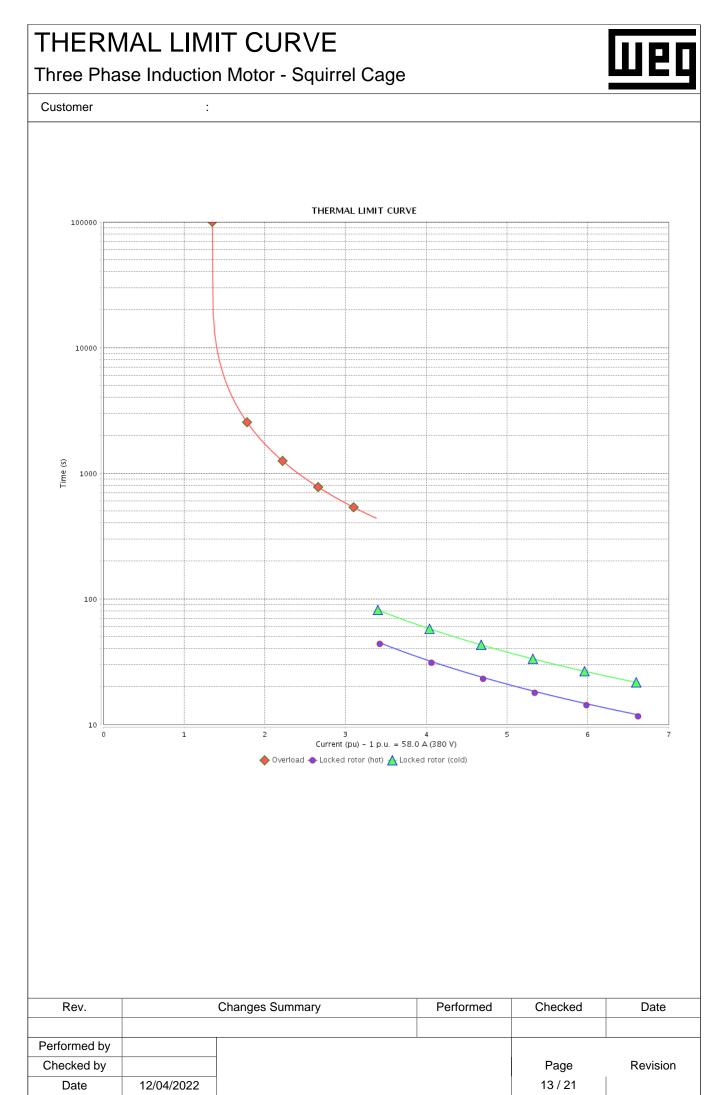
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Customer

Product line	÷	W40 JM Pump NEMA Prem Efficiency Three-Phase	ium	Product code :	14367672	
	L			Catalog # :	05018OT3E3	26JM-W40
				Catalog # :	05018OT3E3	26JM-W40
Performance		880 V 50 Hz 4P IE3				
Rated current LRC	: 6	58.0 A 5.6	Moment o Duty cycle	f inertia (J) e	: 7.08 sq.ft.lb : Cont.(S1)	
Rated torque		42 ft.lb	Insulation		: F	
Locked rotor toro Breakdown torqu		220 % 240 %	Service factor Temperature rise		: 1.00 : 80 K	
Rated speed		475 rpm	Design	lie lise	: B	
Heating constan	t					
Cooling constant	t					
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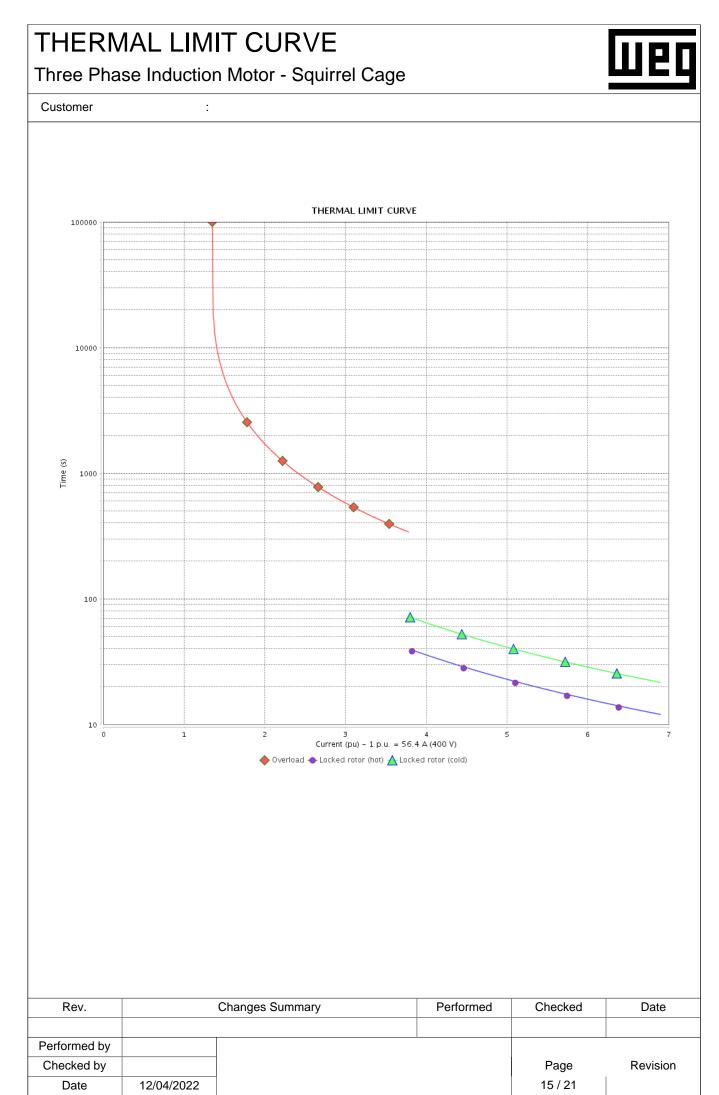


Customer

Product line		W40 JM Pump NEMA Pren	nium	Product code :	14367672	
	Ľ	Efficiency Three-Phase		Catalog # :	05018OT3E3	26JM-W40
Performance	: 4	400 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torqu Breakdown torque Rated speed	: 6 : 1 ue : 2 e : 2	56.4 A 5.9 142 ft.lb 250 % 270 % 1475 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
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THERMAL LIMIT CURVE

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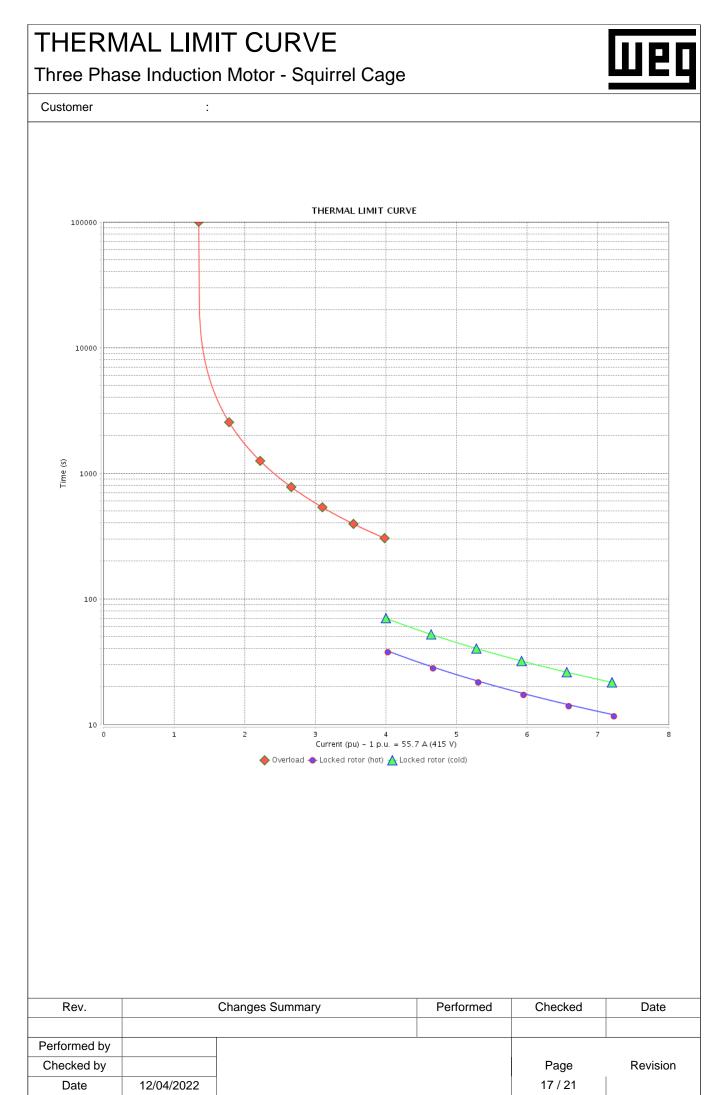


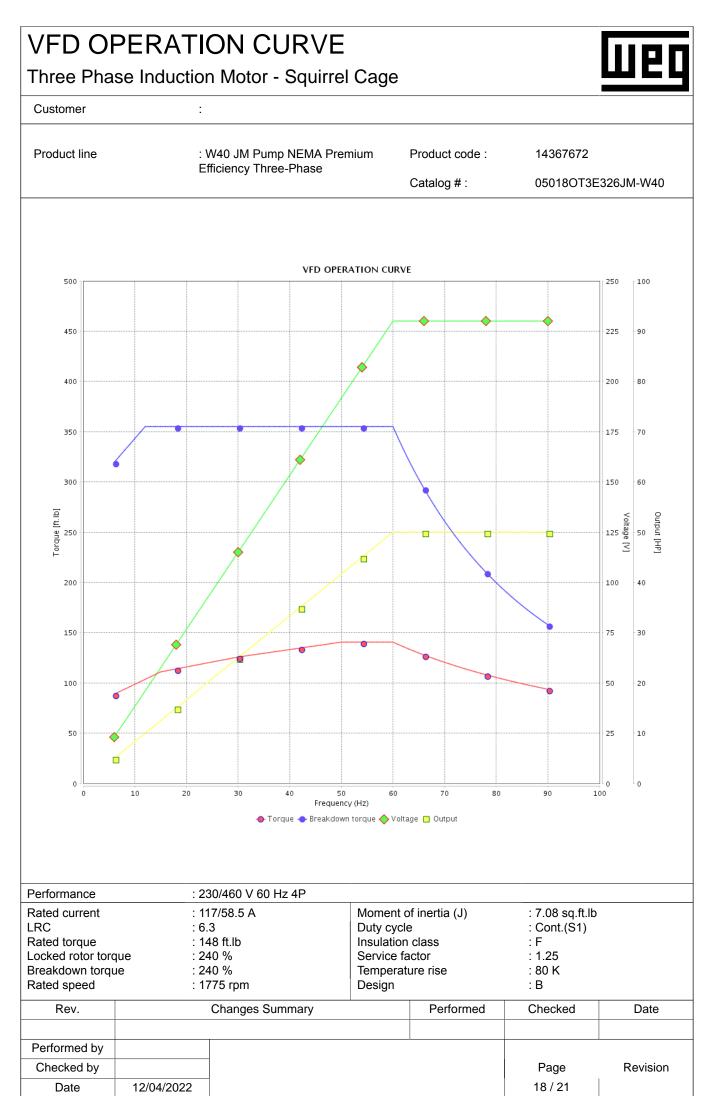
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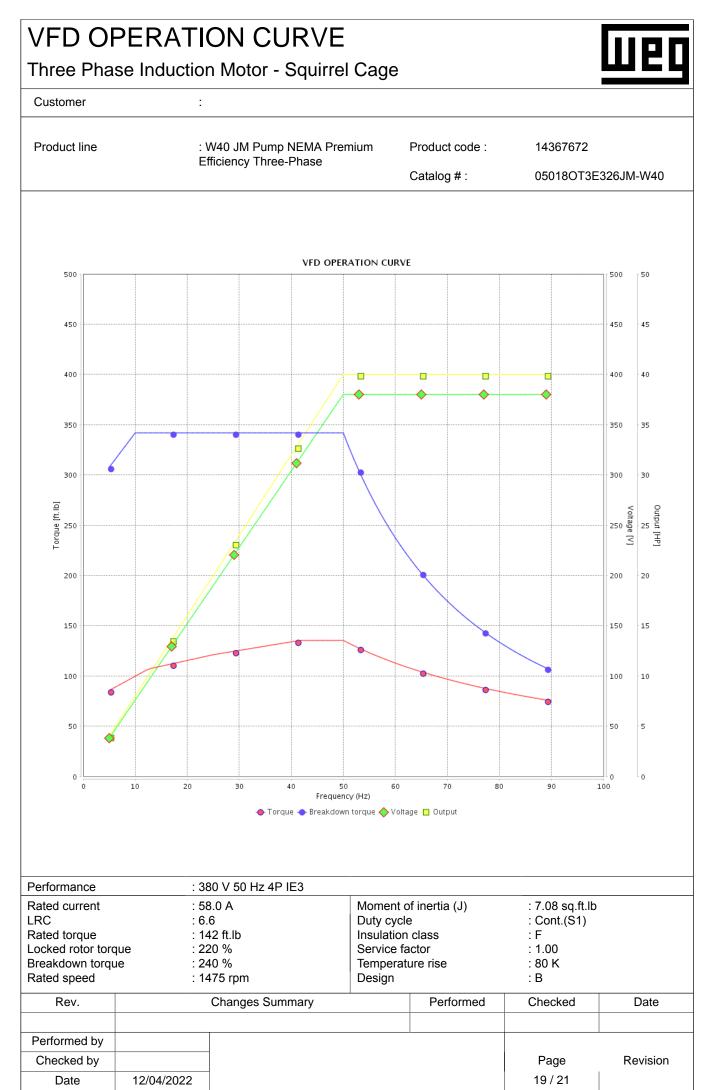
Product line	: W40 JM Pump NEMA Prer	nium	Product code :	14367672	
	Efficiency Three-Phase		Catalog # :	05018OT3E	326JM-W40
Performance	: 415 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 55.7 A : 7.2 : 142 ft.lb : 270 % : 300 % : 1480 rpm	Moment of Duty cyclo Insulation Service fa Temperat Design	class actor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant					
Cooling constant					
Rev.	Changes Summary		Performed	Checked	Date
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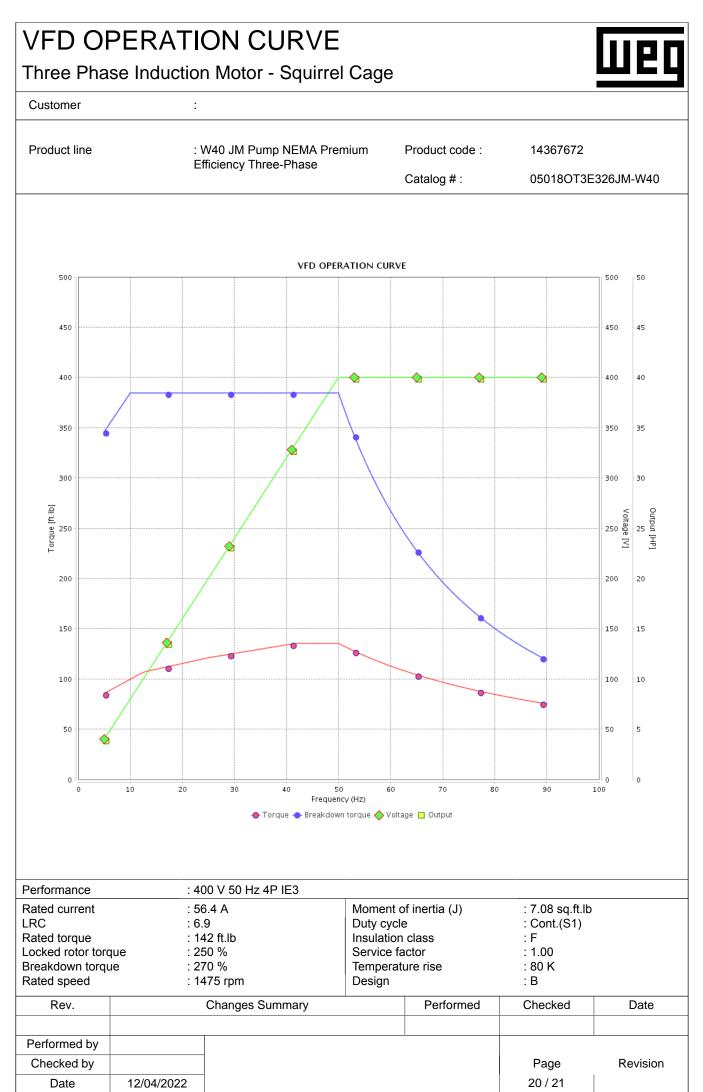
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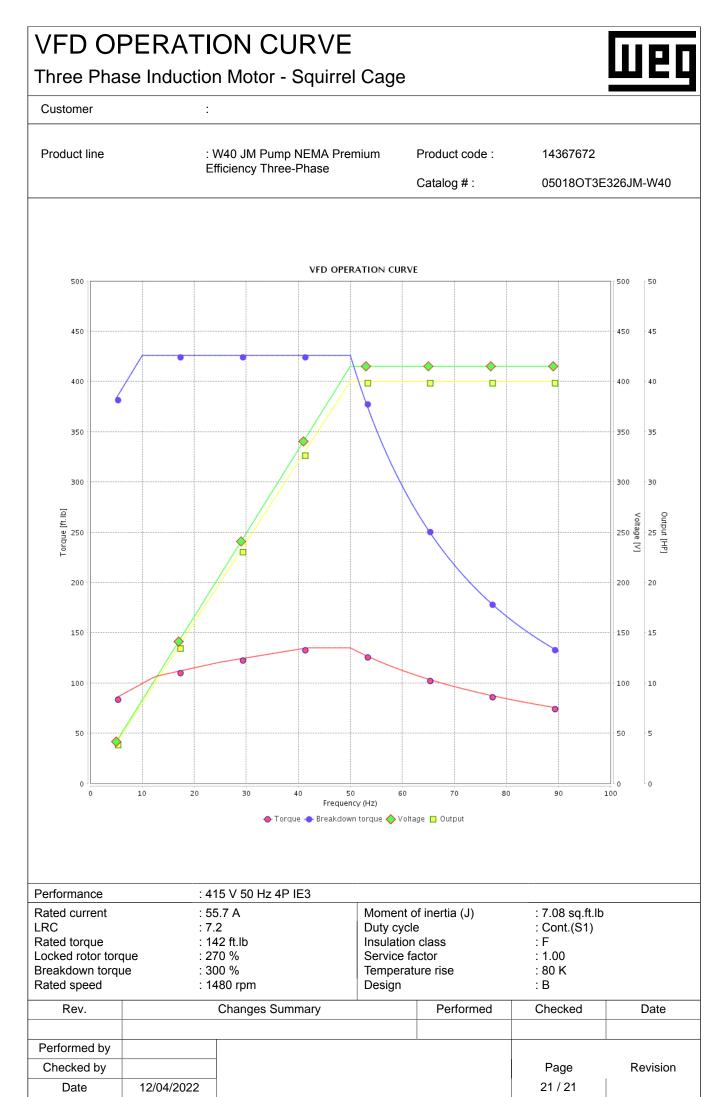
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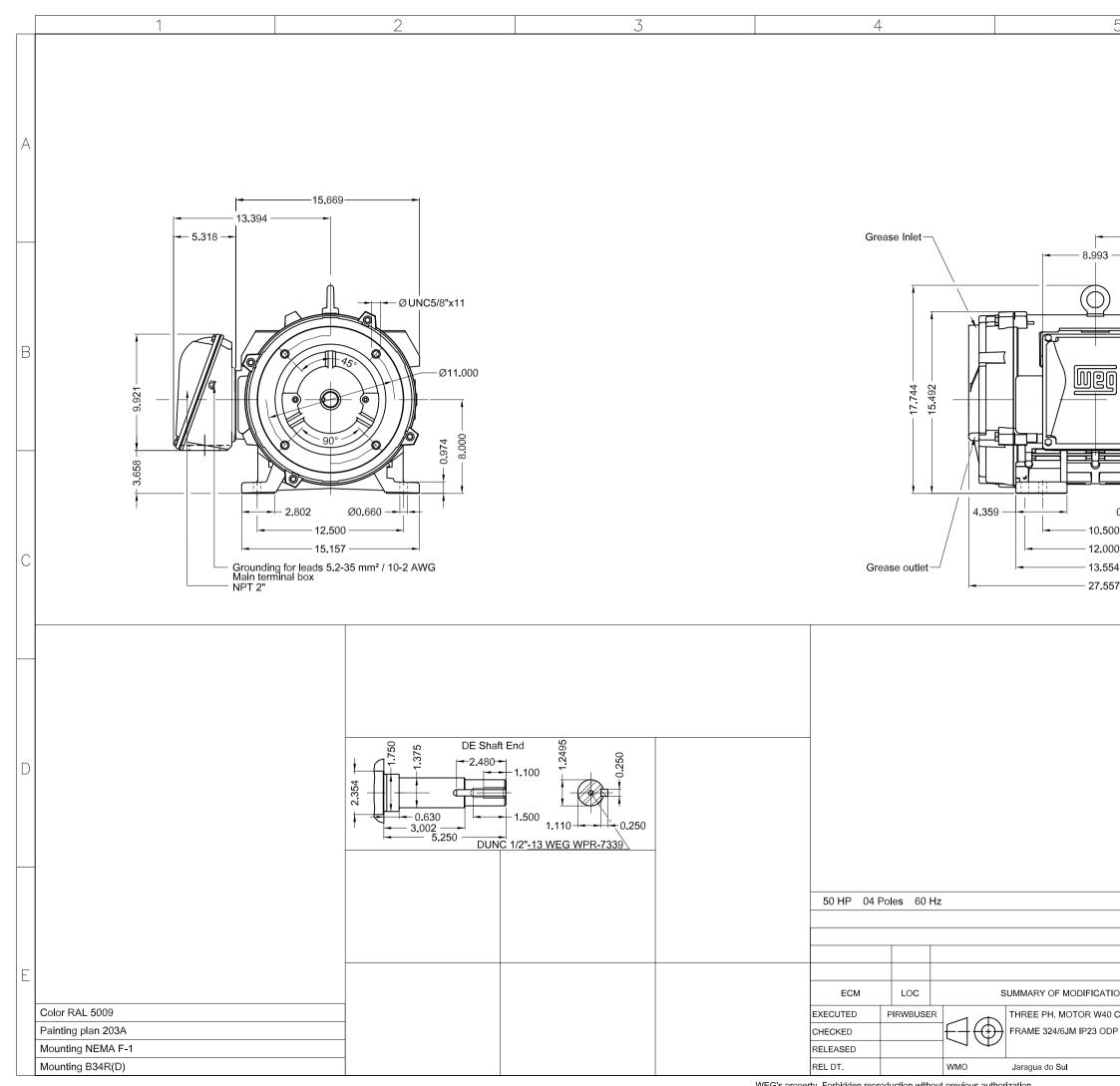












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			6		
		Grease Inlet	Ø12.500		
					Dimensions in Inches
				1:8	
				1:8	
					A
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LOSE COUPLED F				DATE	A VER
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