# DATA SHEET

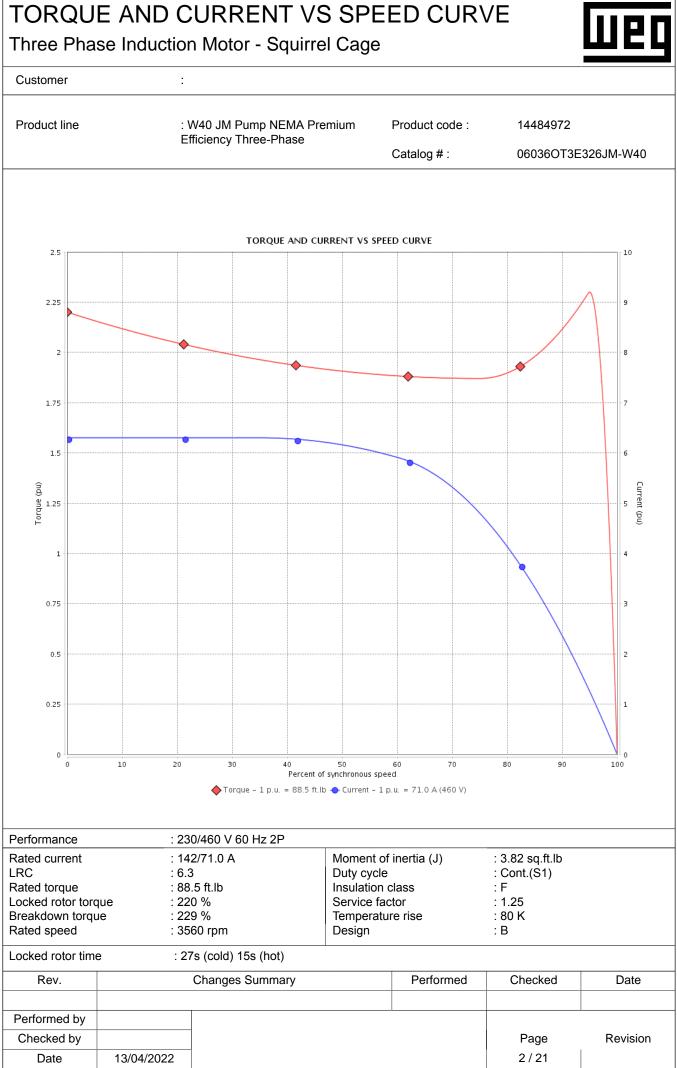
Three Phase Induction Motor - Squirrel Cage

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#### Customer

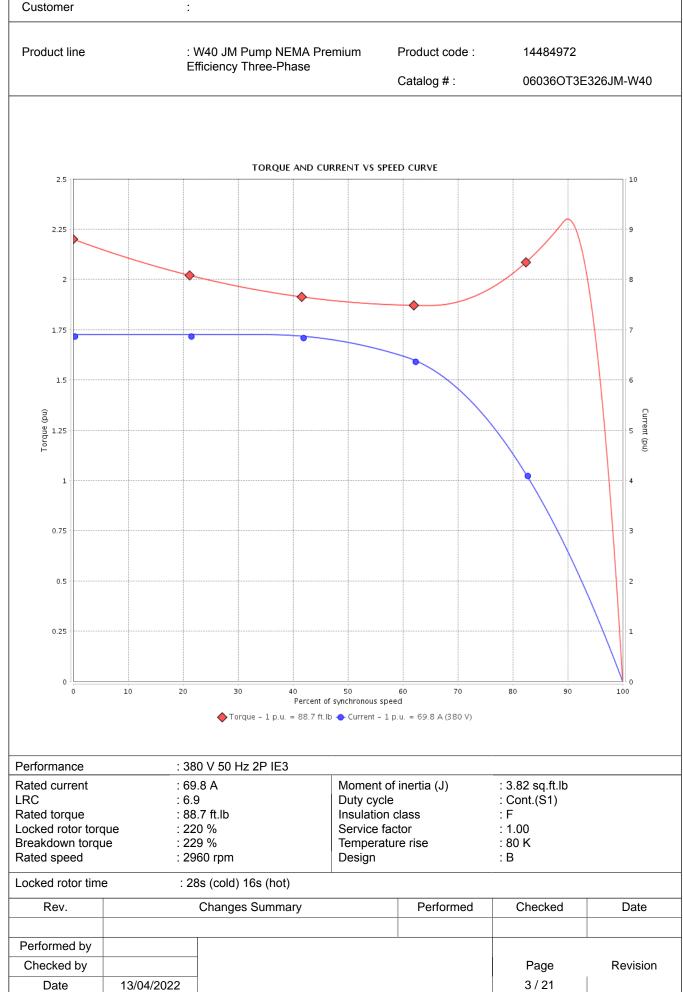
Product line		: W40 JM Pump NEM Efficiency Three-Phas	ium Pro	Im Product code :		14484972	
			50	Ca	italog # :	060360	DT3E326JM-W40
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 324/6JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 488 lb : 3.82 sq.ft.lb	
Output [HP]		60	1	50	50		50
Poles		2		2	2	,	2
Frequency [Hz]		60		50	50	)	50
Rated voltage [V]		230/460		380	400		415
Rated current [A]		142/71.0		69.8	68.		69.5
. R. Amperes [A]		895/447		482	460		473
RC [A]		6.3x(Code G)	6.9	9x(Code H)	6.7x(Co		6.8x(Code H)
No load current [A	1	50.0/25.0		23.0	27.		30.0
Rated speed [RPN		3560		2960	296		2965
Slip [%]	4	1.11		1.33	1.3		1.17
Rated torque [ft.lb	1	88.5		88.7	88.		88.6
Locked rotor torqu		220		220	240		260
Breakdown torque		229		229	250		270
Service factor	r,.1	1.25		1.00	1.0		1.00
Temperature rise		80 K		80 K	80		80 K
Locked rotor time		27s (cold) 15s (hot)	28s (c	cold) 16s (hot			23s (cold) 13s (hot)
Noise level <sup>2</sup>		75.0 dB(A)	(	,			(-5.2) . 55 (1151)
	25%	91.7		88.9	89.	0	89.2
	50%	92.4		90.5	90.		90.7
Efficiency (%)	75%	93.0	92.0		92.		92.2
	100%	93.6	93.7		93.		93.7
	25%	0.48		0.50	0.4		0.38
<b>-</b> -	50%	0.73		0.73	0.6		0.60
Power Factor	75%	0.82		0.82	0.7		0.72
	100%	0.85		0.86	0.8		0.79
Bearing type Sealing Lubrication inter- Lubricant amour Lubricant type		: 6312 Z C3 621 : Without W Bearing Seal Bear : 19658 h 20	r <u>ive end</u> 1 Z C3 ithout ing Seal 000 h 11 g EM	Max. tractic Max. comp	n		
Notes USABLE @208V	157A SF 1.1	15 SFA 181A		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, where shaft end. olerance of +3dB(A). ot to changes after	hich				ts with sinusoidal stipulated in NEMA
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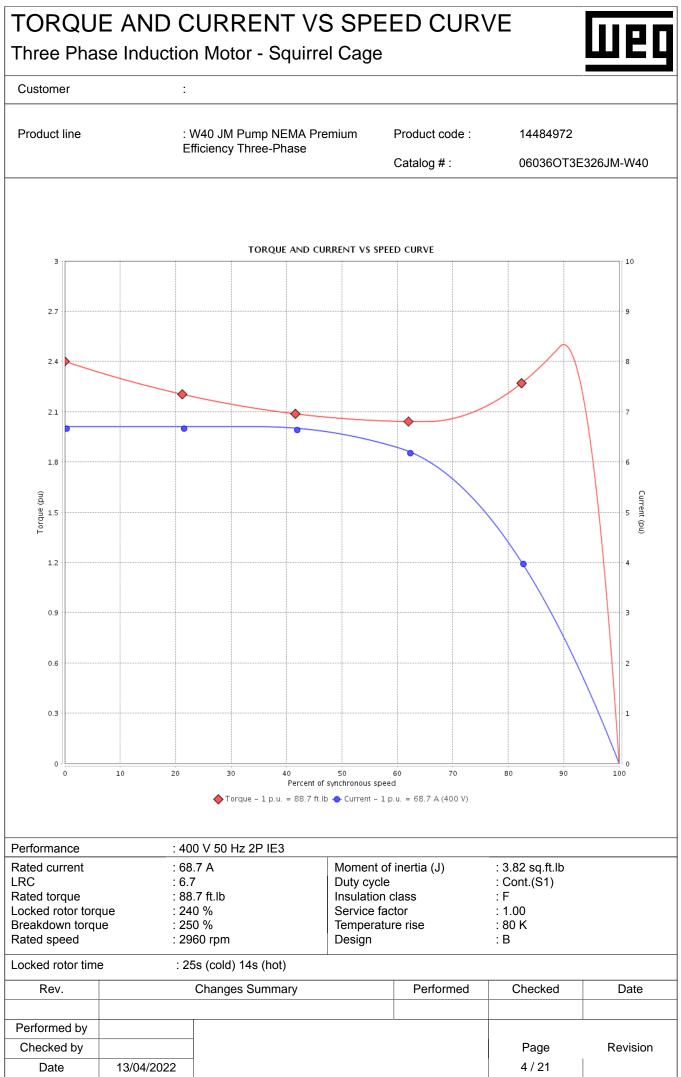
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



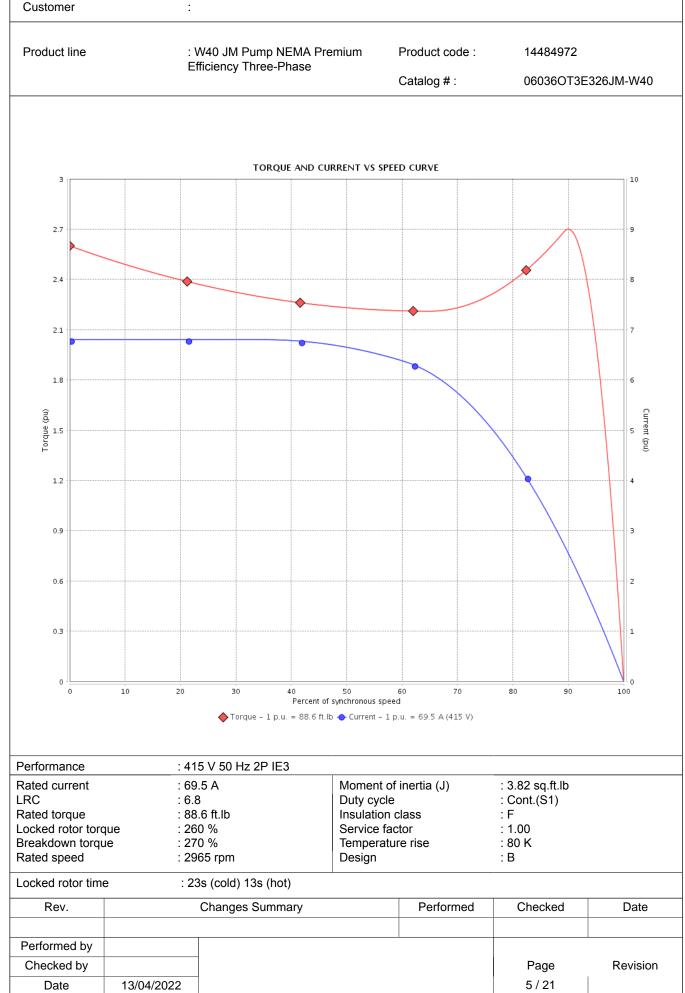
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### TORQUE AND CURRENT VS SPEED CURVE

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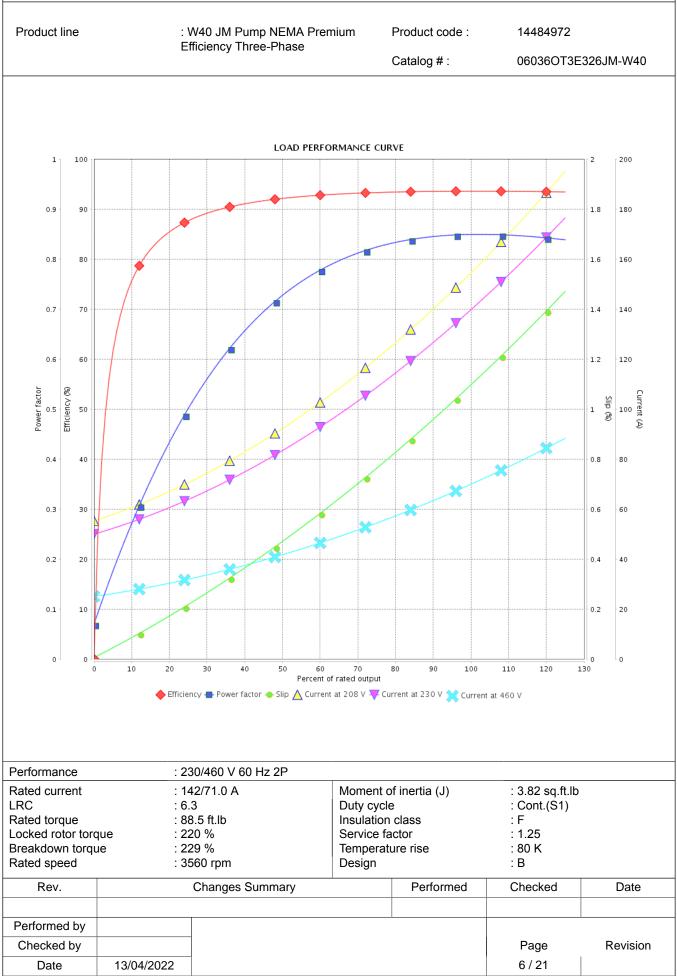
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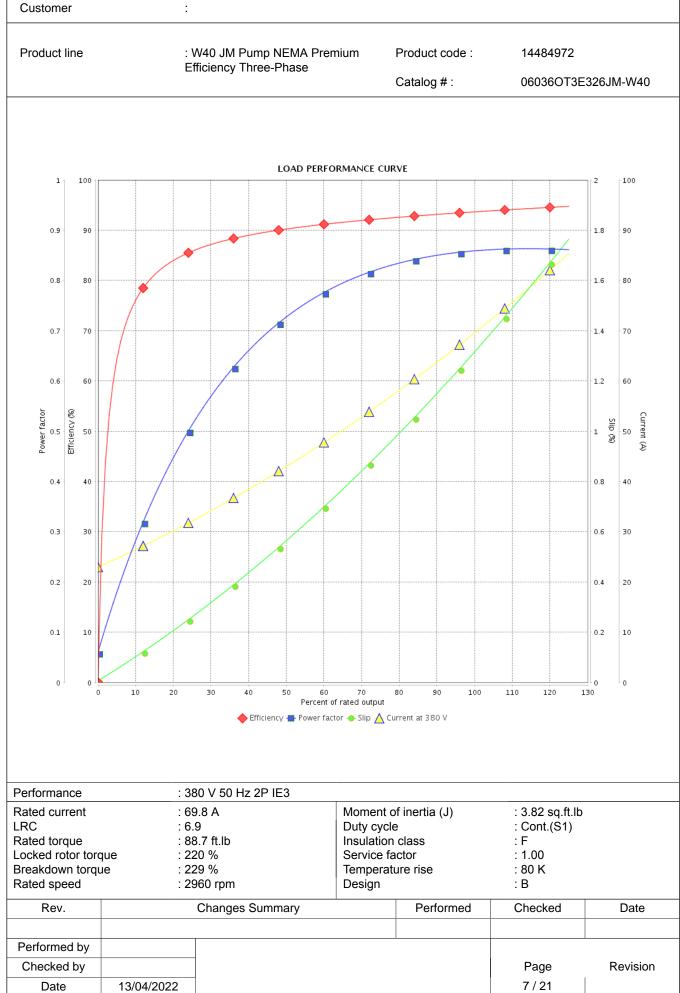


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Three Phase Induction Motor - Squirrel Cage

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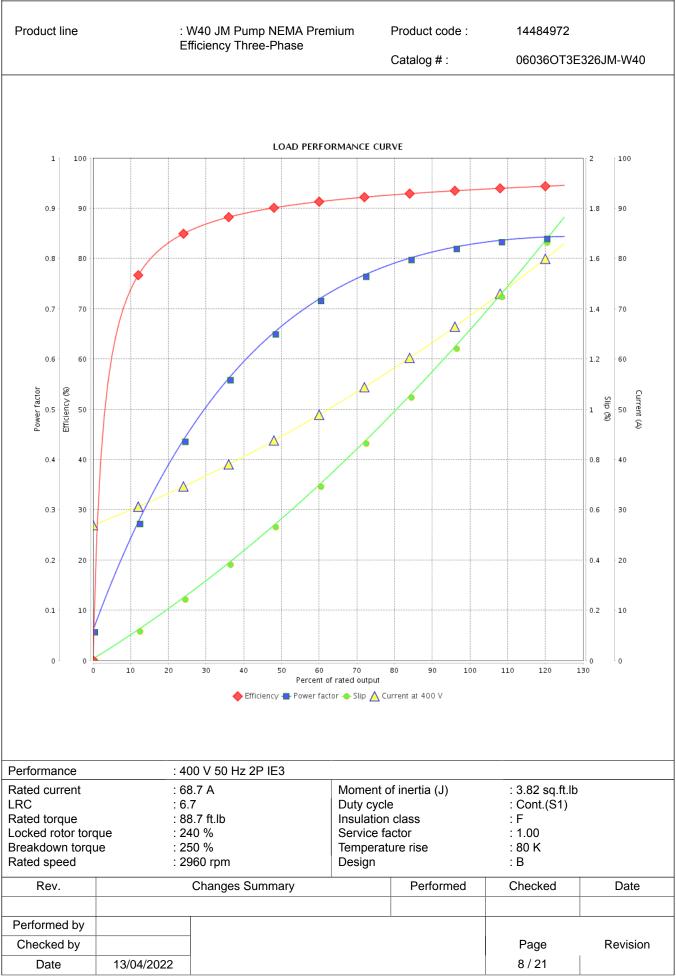
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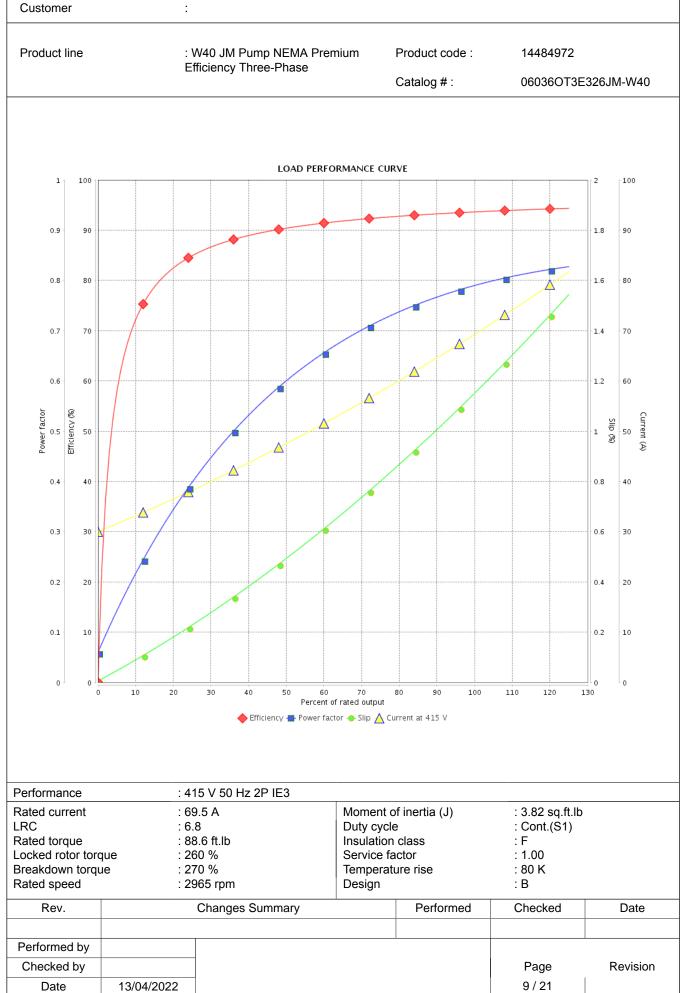


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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

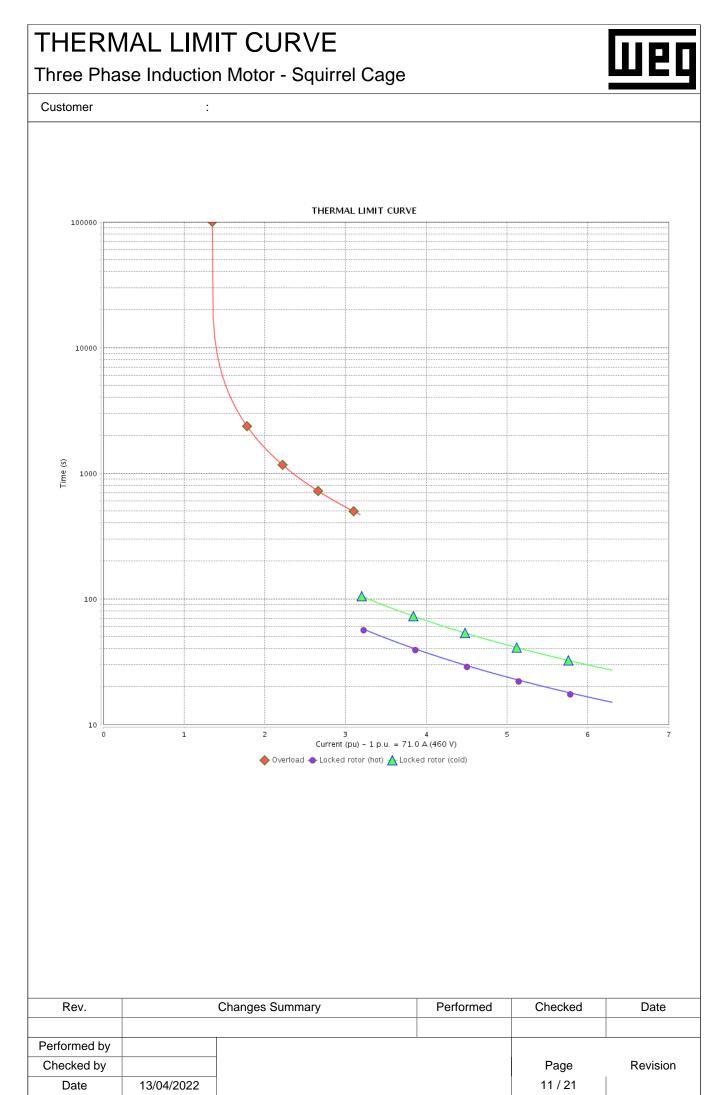
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Customer

Product line	:	Efficiency Three-Phase		Product code :	14484972	14484972 06036OT3E326JM-W40		
	E			Catalog # :	06036OT3E32			
Performance		30/460 V 60 Hz 2P						
Rated current LRC	: 1 : 6	42/71.0 A	Moment of Duty cycle	f inertia (J)	: 3.82 sq.ft.lb : Cont.(S1)			
Rated torque	: 8	8.5 ft.lb	Insulation	class	: F			
Locked rotor toro Breakdown torqu		20 % 29 %	Service fa Temperatu		: 1.25 : 80 K			
Rated speed		560 rpm	Design	ile lise	: B			
Heating constan								
Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
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Date	13/04/2022				10/21			

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## THERMAL LIMIT CURVE

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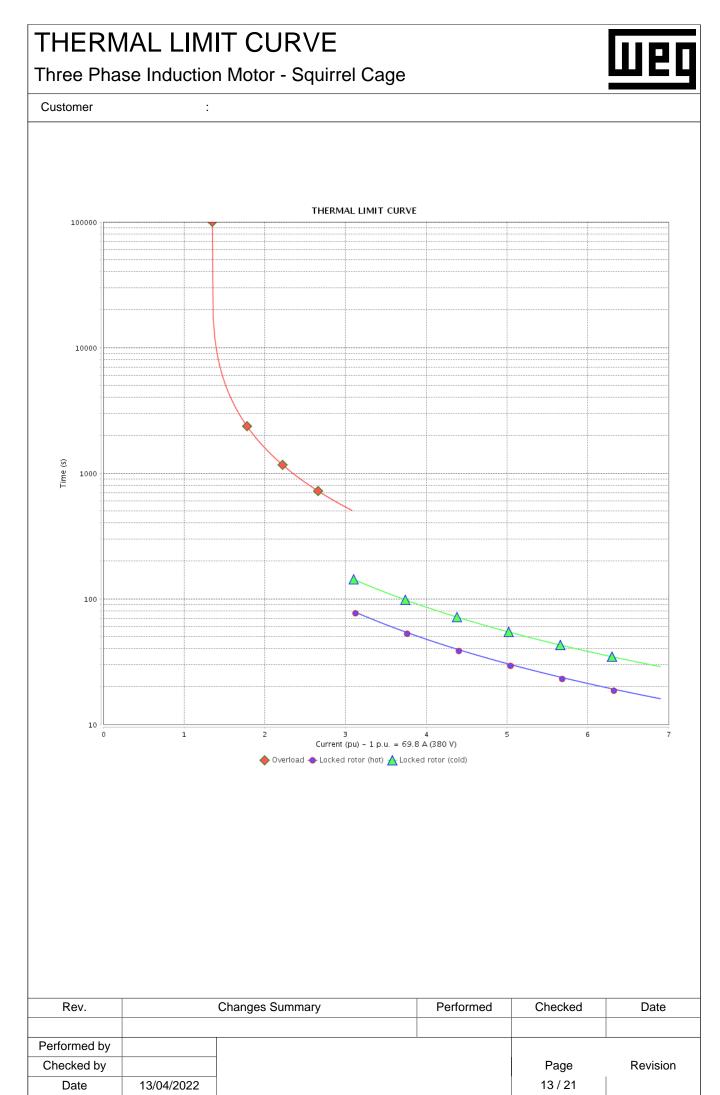


Customer

Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase			14484972			
				Catalog # :	06036OT3E3	26JM-W40		
Performance	· 3	80 V 50 Hz 2P IE3						
Rated current			Moment o	f inertia (J)	: 3.82 sa.ft.lb			
LRC	: 6	.9	Duty cycle	9	: Cont.(S1)			
Rated torque								
Breakdown torqu								
Rated speed	Efficiency Three-Phase         Catalog # :         060360T3E326JM-W40           ance         : 380 V 50 Hz 2P IE3							
Heating constant								
Cooling constant								
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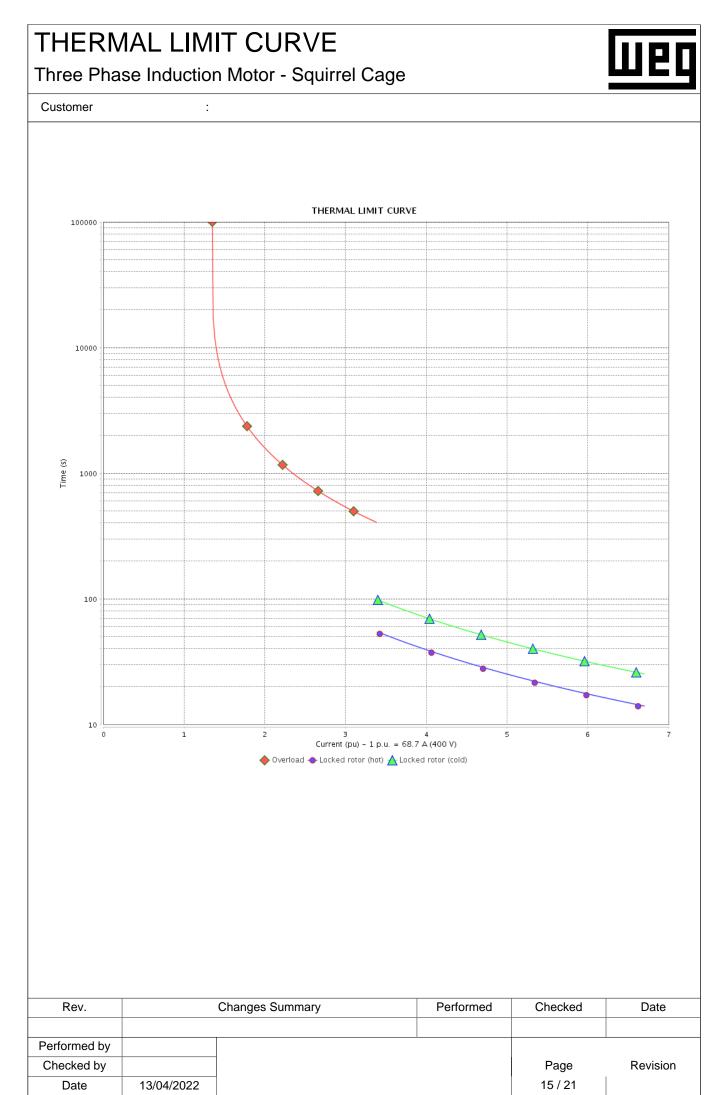


Customer

Product line       : W40 JM Pump NEMA Premium Efficiency Three-Phase       Product code :       : 14484972 Catalog # :         Catalog # :       060380T3E328JM-W40									
Performance         : 400 V 50 Hz 2P IE3           Reted urrent         : 68 7 A           Duty cycle         : Cont (S1)           Head durrent         : 68 7 A           Duty cycle         : Cont (S1)           Head durrent         : 68 7 A           Duty cycle         : Cont (S1)           Head durrent         : 88 7 Rub           Hadd durrent         : 80 K           Hadd durrent         : 240 %           Structe factor         : 7.00           Breaddown tarque         : 290 %           Temperature rise         : 80 K           Head speed         : 2900 rpm           Design constant         Cooling constant           Cooling constant         Changes Summary           Performed by         -           Chacked by         -	Product line				Product code :	14484972	14484972		
Performance : 400 V 50 Hz 2P IE3 Rated current : 68 7 A LRC : 6.7 D LRC : 6.7 D Rated torque : 280 7k D Sereakdown torque : 240 % Temperature rise : 00 K Temperature rise : 00 K Temperatur		Ef	fficiency Three-Phase	Catalog # ·		06036OT3E326JM-W40			
Rated current LRC: 68.7 A : 6.7Moment of inertia (J) Duty cycle: 3.82 sq.ft.lb : Cont.(S1)Rated torque Locked rotor torque: 88.7 ft.lbDuty cycle: Cont.(S1)Locked rotor torque Breakdown torque Rated speed: 240 %Service factor: 1.00Breakdown torque Rated speed: 2960 rpmTemperature rise Design: 80 KHeating constant Cooling constantChanges SummaryPerformedCheckedPerformed byPageRevision					-				
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Rated torque       : 88.7 ft.lb       Insulation class       : F         Locked rotor torque       : 240 %       Service factor       : 1.00         Breakdown torque       : 250 %       Temperature rise       : 80 K         Rated speed       : 2960 rpm       Design       : B         Heating constant       Cooling constant       Changes Summary       Performed       Checked       Date         Performed by       Page       Revision				Moment o	t inertia (J)	: 3.82 sq.ft.lb : Cont (S1)			
Locked rotor torque       : 240 %       Service factor       : 1.00         Breakdown torque       : 250 %       Temperature rise       : 80 K         Rated speed       : 2960 rpm       Design       : B         Heating constant       Cooling constant       V       V         Rev.       Changes Summary       Performed       Checked       Date         Performed by       V       V       Page       Revision						: Cont.(ST) : F			
Rated speed     : 2960 rpm       Heating constant Cooling constant       Rev.     Changes Summary       Performed     Checked       Performed by       Checked by									
Heating constant Cooling constant     Performed     Checked     Date       Rev.     Changes Summary     Performed     Checked     Date       Performed by     Image: Checked by     Page     Revision					ure rise				
Cooling constant         Rev.       Changes Summary       Performed       Checked       Date         Performed by       Image: Checked by       Image: Checked by       Page       Revision	Rated speed	: 29	960 rpm	Design		: B			
Cooling constant         Rev.       Changes Summary       Performed       Checked       Date         Performed by       Image: Checked by       Image: Checked by       Page       Revision	Heating constan	t							
Performed by     Performed by     Page       Checked by     Page     Revision									
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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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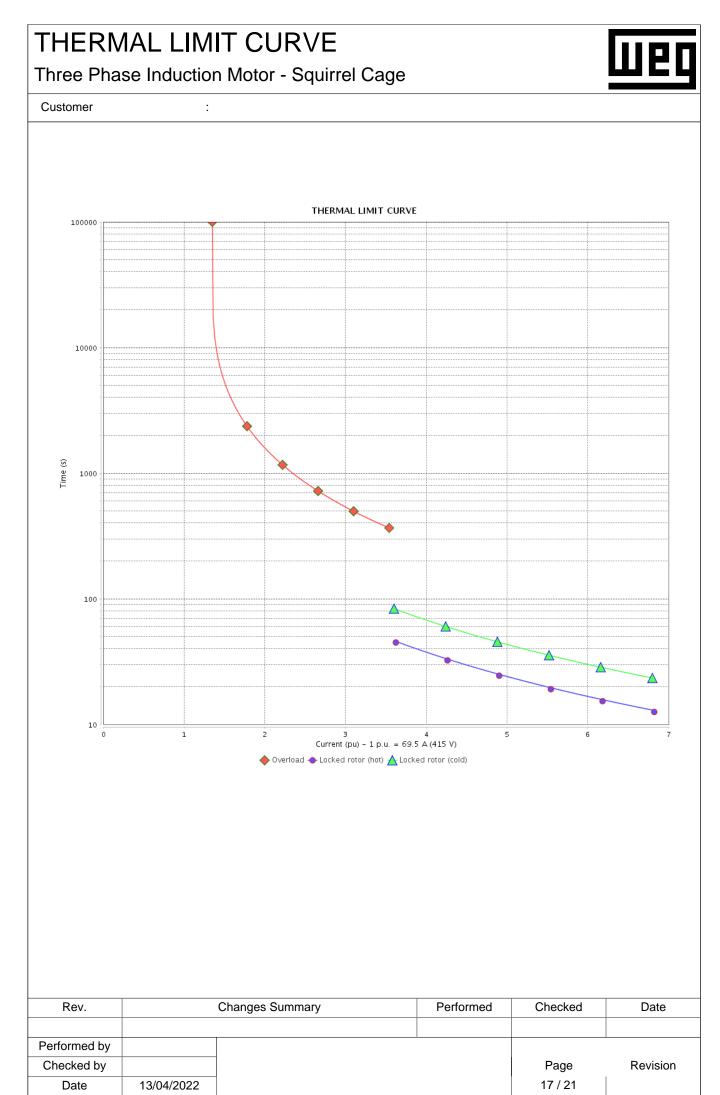


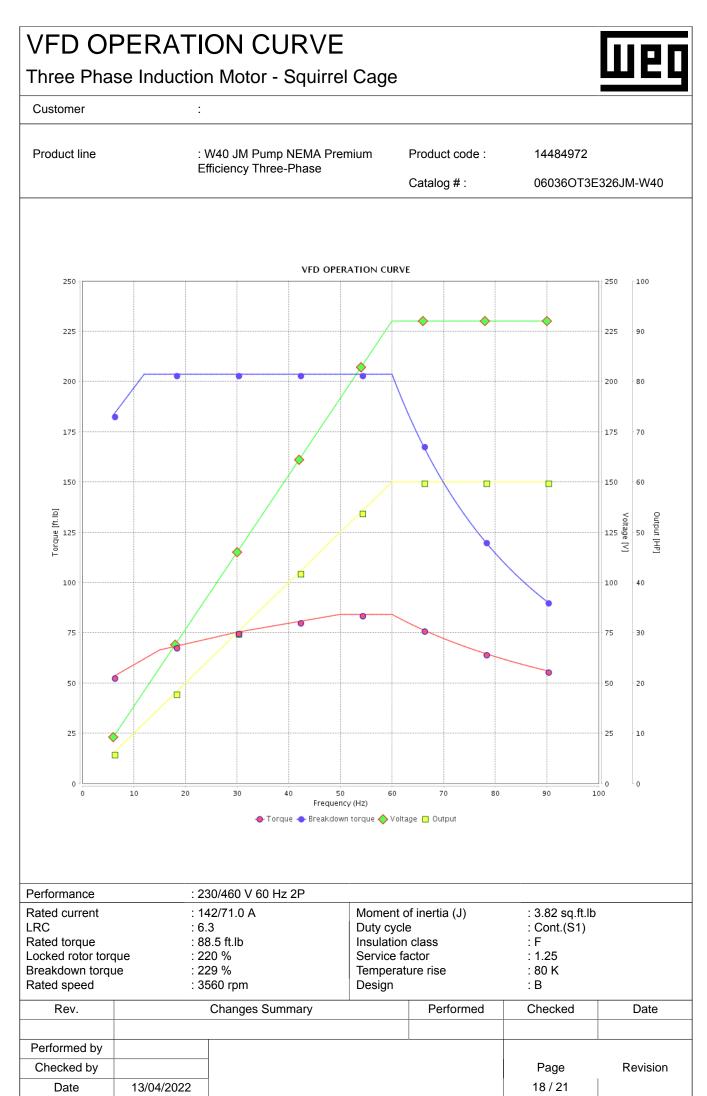
Customer

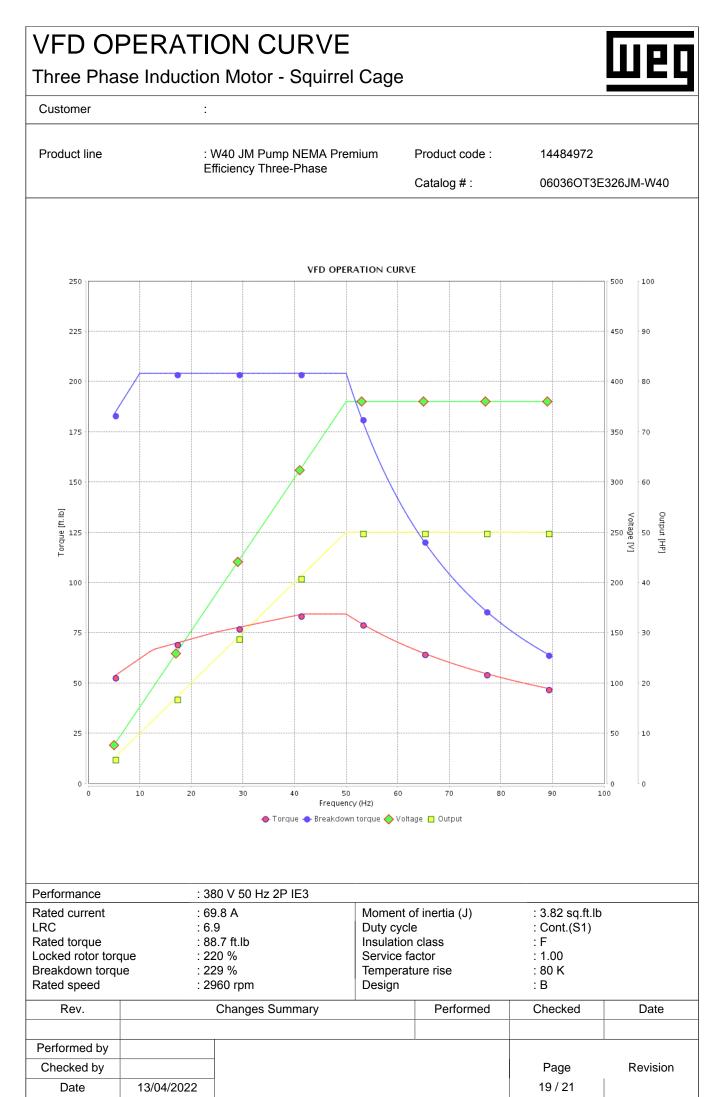
Product line		: W40 JM Pump NEMA Premium Efficiency Three-Phase		Product code :	14484972	14484972		
	E			Catalog # :	06036OT3E3	26JM-W40		
Performance	: 4	15 V 50 Hz 2P IE3						
Rated current		9.5 A	Moment o	f inertia (J)	: 3.82 sq.ft.lb			
LRC Rated torque	: 6.	.8 8.6 ft.lb	Duty cycle Insulation		: Cont.(S1) : F			
Locked rotor tore	que : 20	60 %	Service fa	ctor	: 1.00			
Breakdown torqu		70 %	Temperatu	ure rise	: 80 K			
Rated speed		965 rpm	Design		: B			
Heating constant								
Cooling constant	t	0 0						
Rev.		Changes Summary		Performed	Checked	Date		
Derferrer		1						
Performed by		-			Daaa	Douteter		
Checked by	40/04/0000	-			Page	Revision		
Date	13/04/2022				16 / 21			

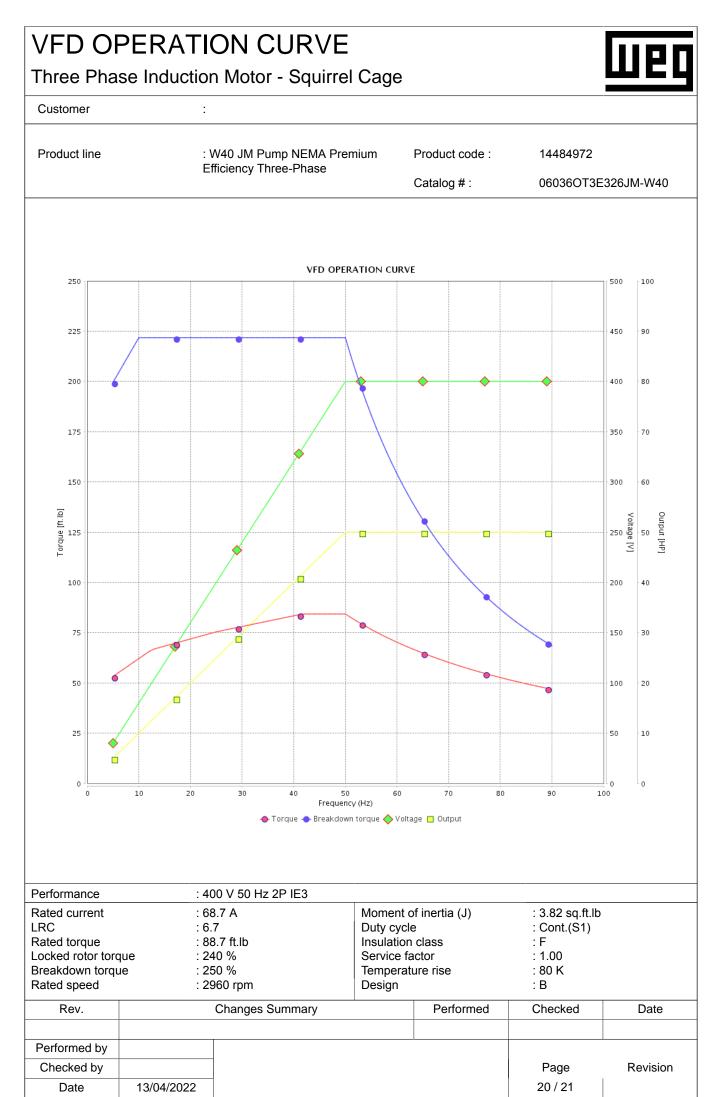
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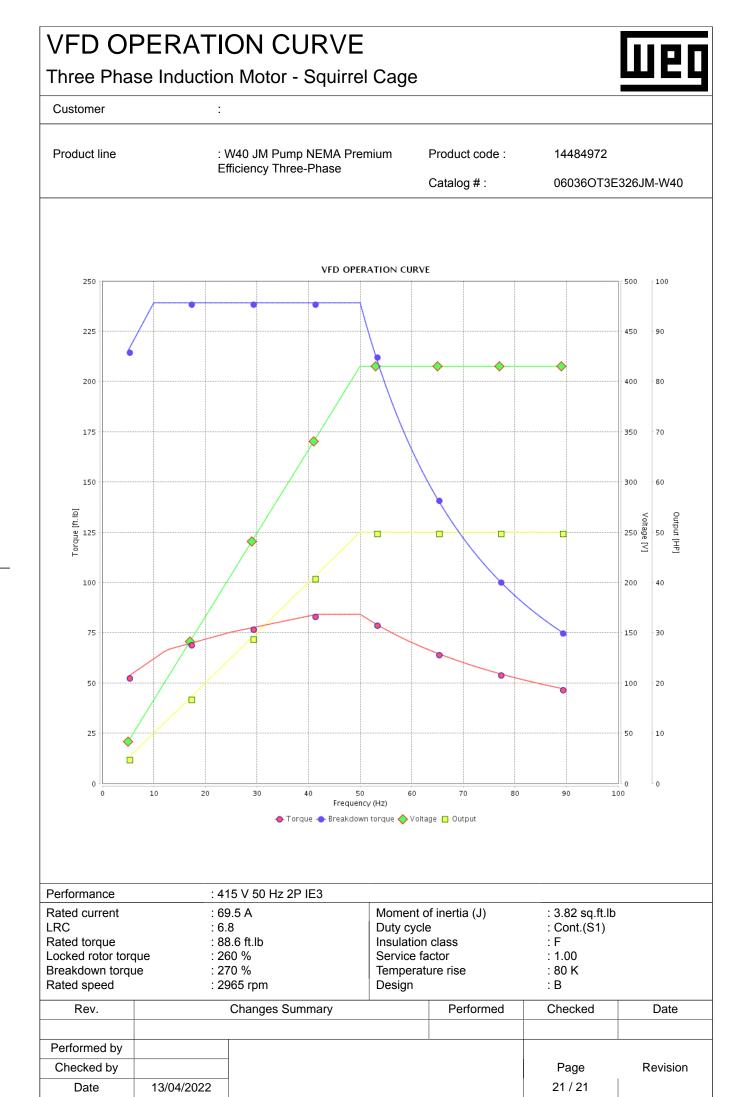
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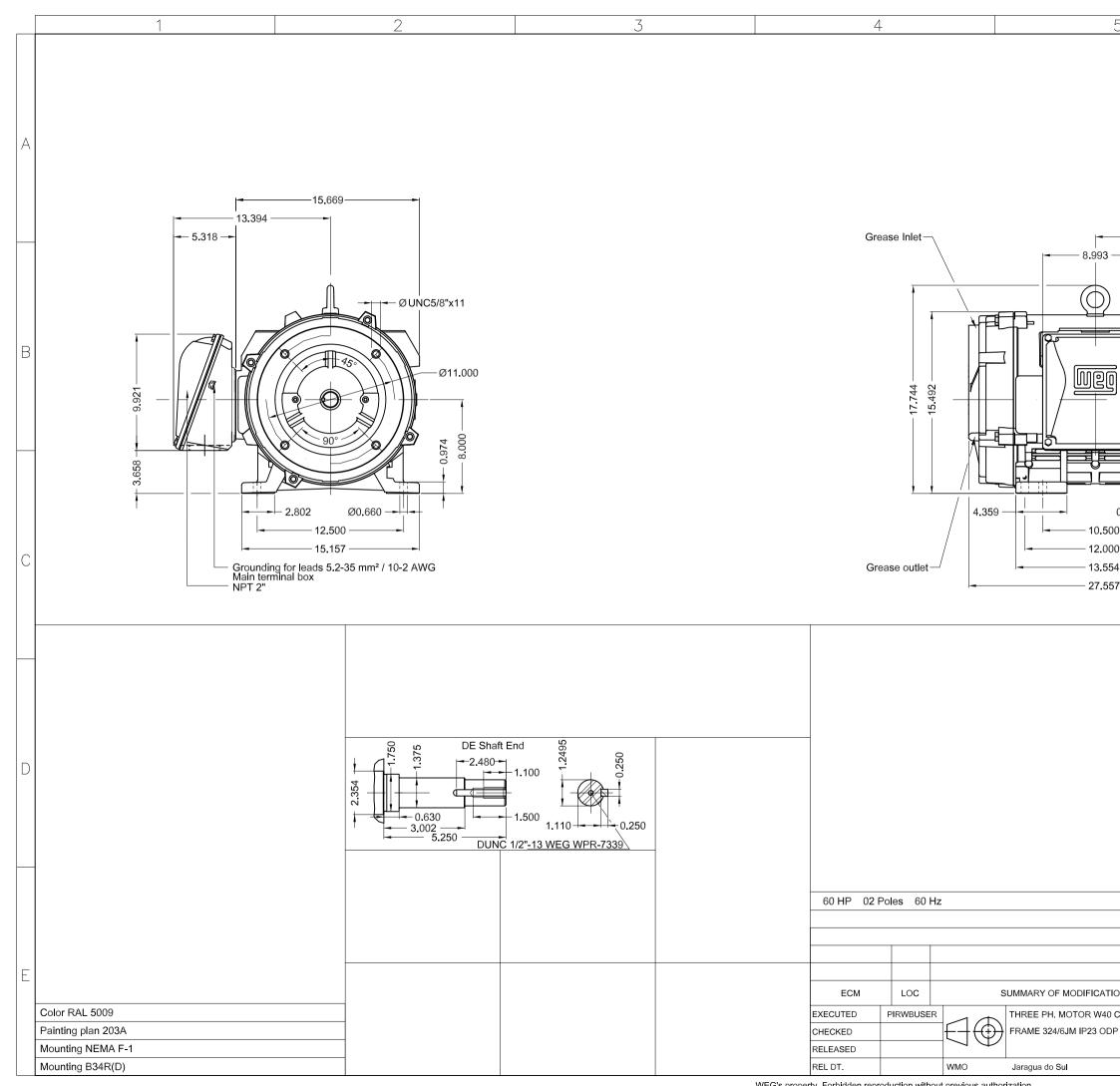








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5			6			
		Grease Inlet				
				1:8	A	Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
) CLOSE COUPLED F	UMP JM TYPE I	₽₽₽₽₽₽₽	EW	1100		e
		WDD		ШВ	9	E A3
Produc	t Engineering	SHEET	1 / 1			XME

