# DATA SHEET

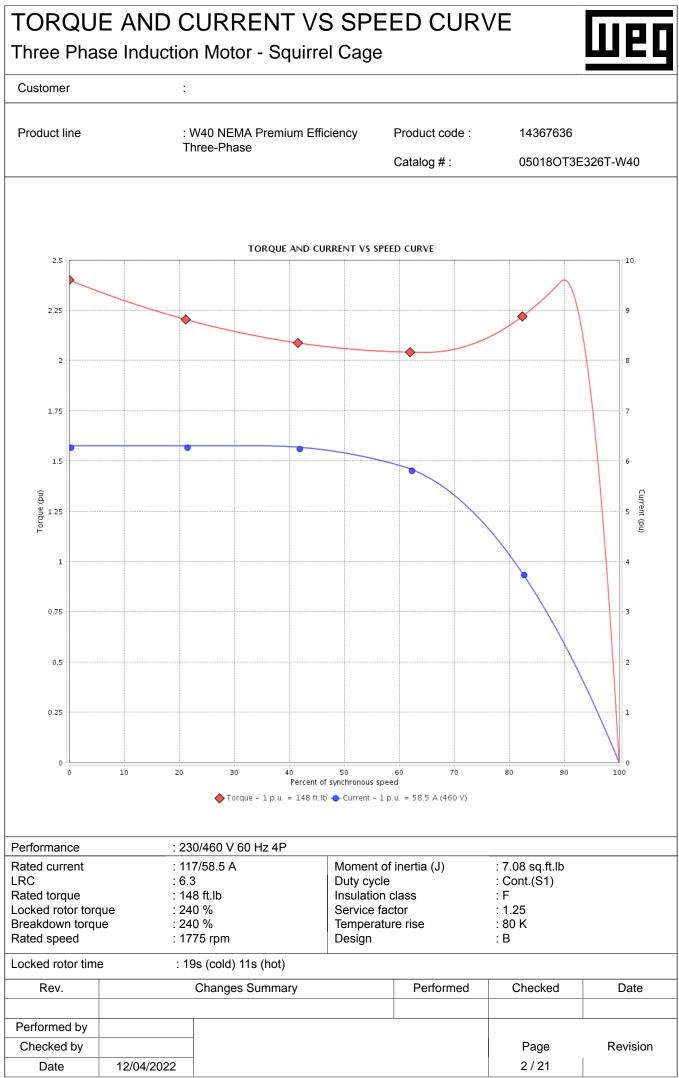
Three Phase Induction Motor - Squirrel Cage

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#### Customer

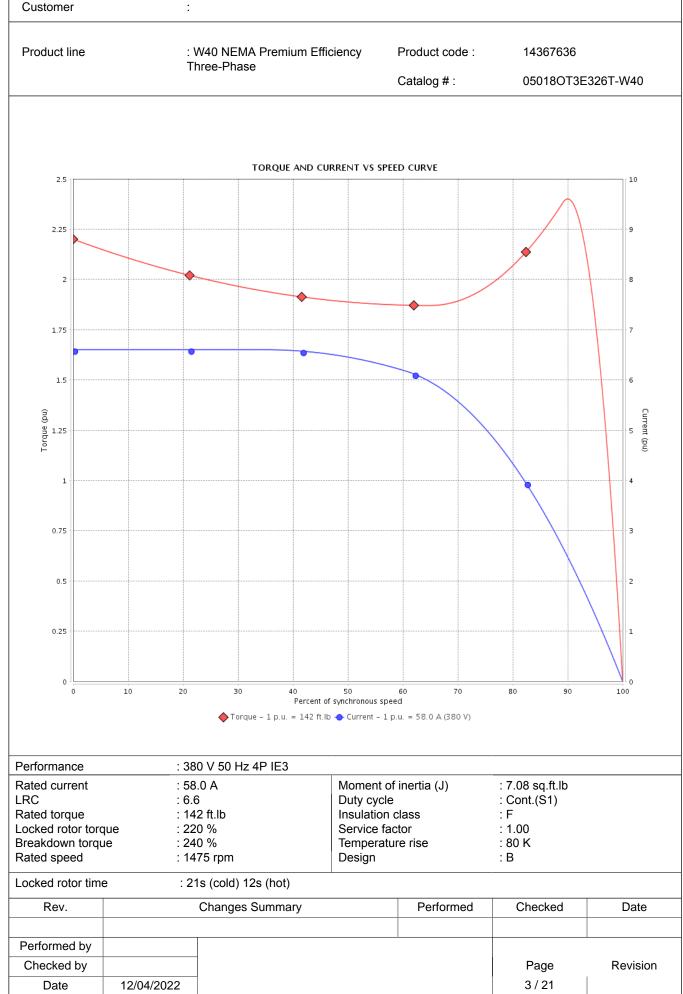
Product line		: W40 NEMA Premium Efficiency		ncy Produ	Product code :		14367636	
		Three-Phase		Catal	og # :	05018C	DT3E326T-W40	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 324/6T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling method 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 : 512 lb : 7.08 sq.ft.lb		
Output [HP]		50		40	40		40	
		4		40	40		40	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	400		415	
Rated 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	5005 5x(Code G)	6.9x(Co		7.2x(Code J)	
No load current [A	1	46.4/23.2	0.0	22.8	25.		27.0	
Rated speed [RPN		1775		1475	147		1480	
Slip [%]	1	1.39	1475		1.6		1.33	
Rated torque [ft.lb	0	148	142		142		142	
_ocked rotor torqu		240		220	250		270	
Breakdown torque		240	220		270		300	
Service factor	· · · - J	1.25		1.00	1.0		1.00	
Temperature rise		80 K		80 K	80		80 K	
_ocked rotor time		19s (cold) 11s (hot)	21s (c	cold) 12s (hot)	21s (cold)		21s (cold) 12s (hot)	
Noise level <sup>2</sup>		66.0 dB(A)		., ()		- (+)		
	25%	94.0		92.9	92.	9	92.9	
	50%	94.1	93.1		93.		93.1	
Efficiency (%)	75%	94.5		93.5	93.		93.5	
	100%	94.5		93.6	93.		93.6	
	25%	0.44		0.44	0.4		0.37	
Deuter Friday	50%	0.70		0.70	0.6		0.62	
Power Factor	75%	0.80		0.80	0.7		0.74	
	100%	0.84		0.84	0.8		0.80	
Drive endBearing type:6312 Z C3Sealing:WithoutBearing SeaLubrication interval:Lubricant amount:21 g		: 6312 Z C3 621 : Without Wi Bearing Seal Bear : 20000 h 20	ive end 1 Z C3 ithout ing Seal 000 h 11 g	Foundation loa Max. traction Max. compres				
Notes USABLE @208V	′ 129A SF 1.′	<sup>_</sup>						
This revision repl must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with t weight subjec ocess.	ncel the previous one, where the previous one, where shaft end. tolerance of +3dB(A). ct to changes after	nich				ts with sinusoidal stipulated in NEMA	
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. tolerance of +3dB(A).		power supply, MG-1.			stipulated in NEMA	
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pro (4) At 100% of ful	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. tolerance of +3dB(A). ct to changes after		power supply, MG-1.	subject to the	e tolerances	stipulated in NEMA	
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pri (4) At 100% of ful Rev.	ed. notor from the 1m and with t weight subjec ocess.	e shaft end. tolerance of +3dB(A). ct to changes after		power supply, MG-1.	subject to the	e tolerances	stipulated in NEMA	



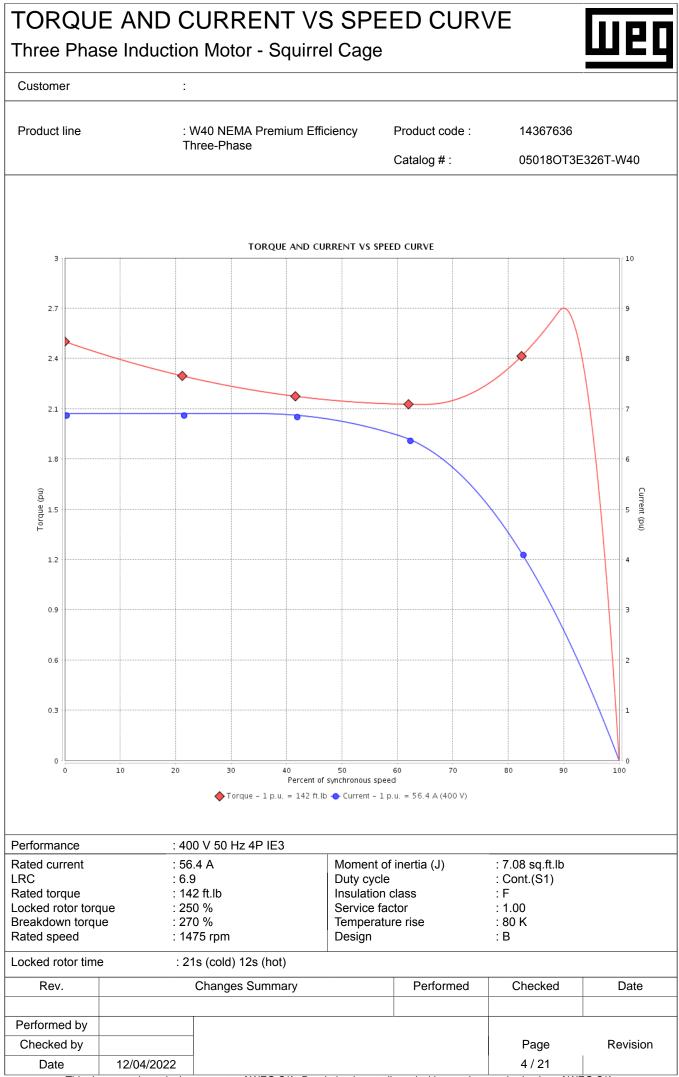
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

### Customer



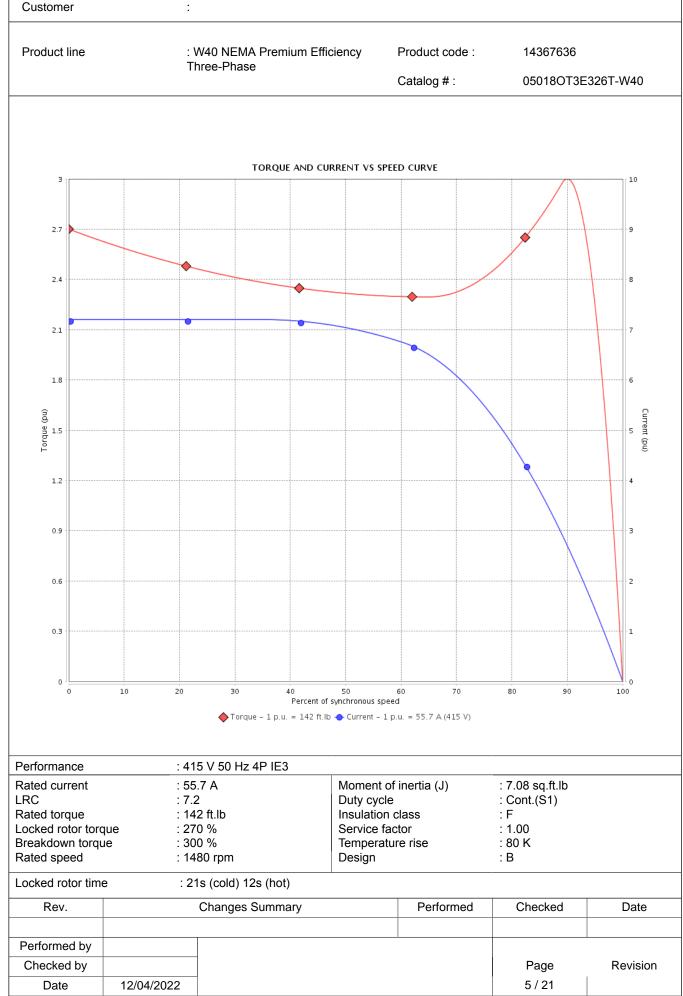
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### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

### Customer



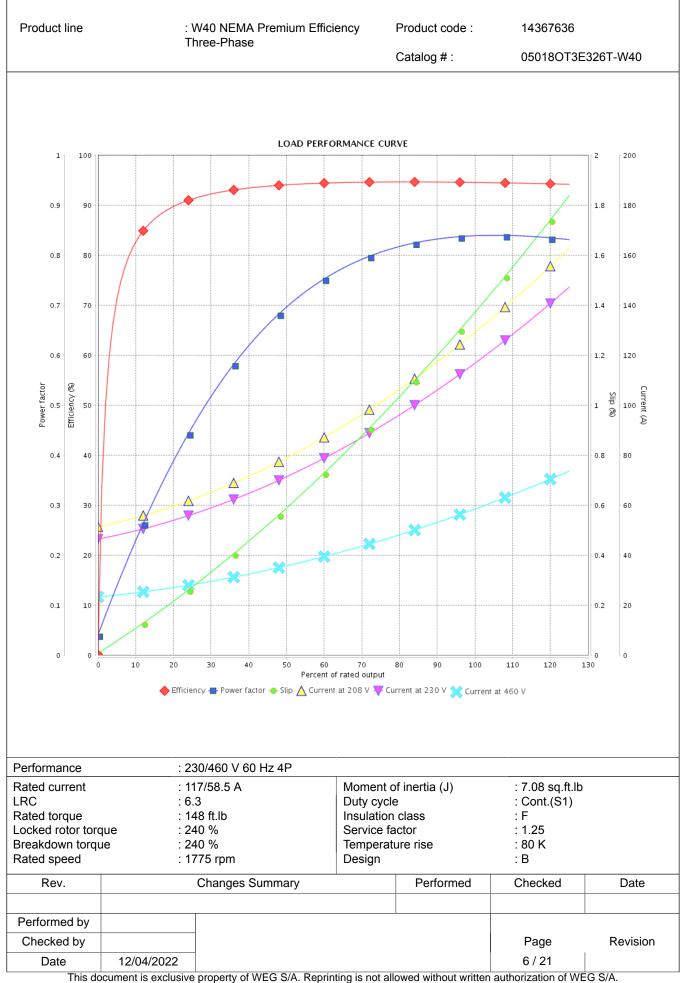
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Three Phase Induction Motor - Squirrel Cage

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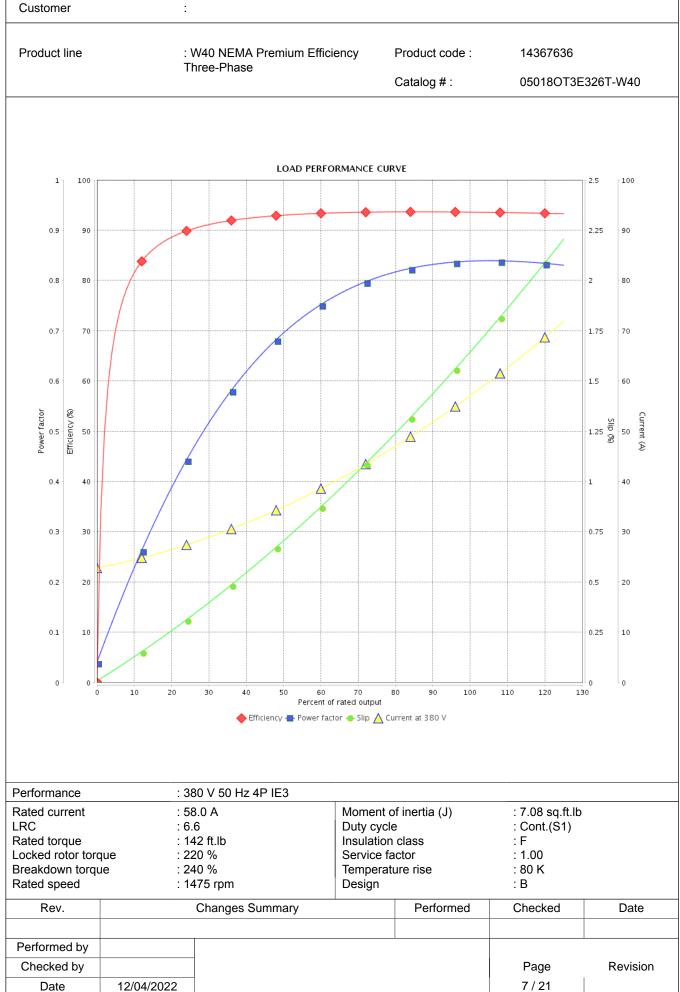


Customer



Three Phase Induction Motor - Squirrel Cage

### Customer



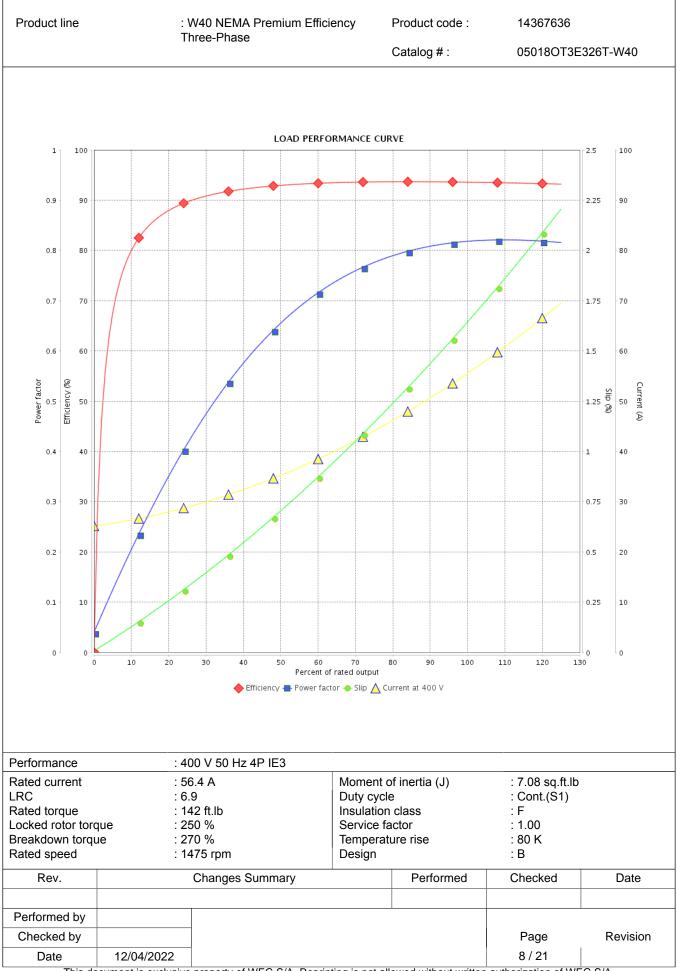
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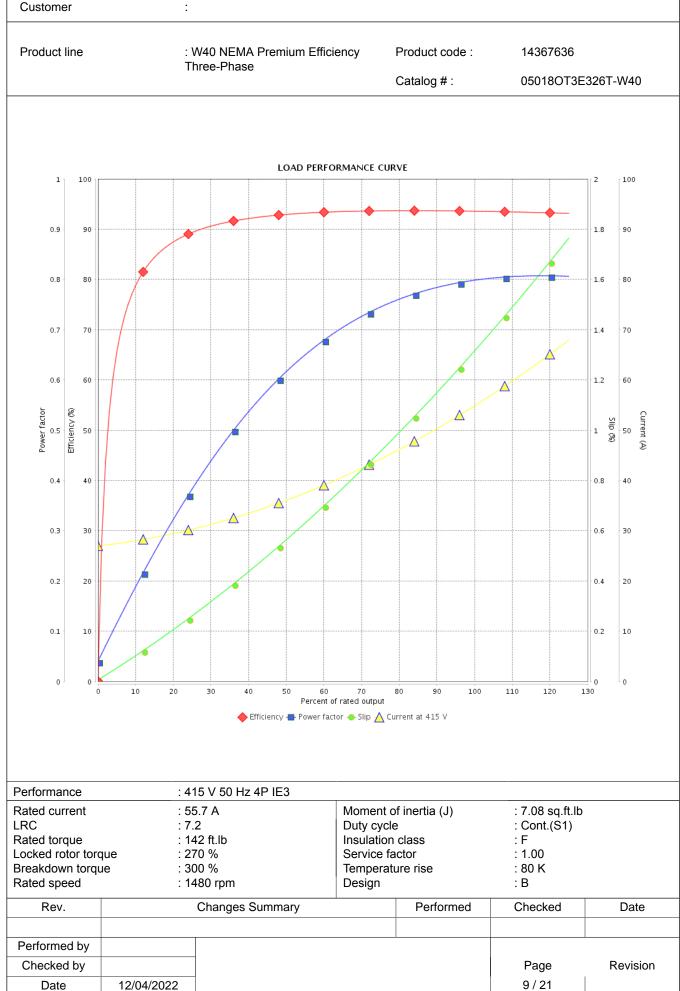


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### Customer



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# THERMAL LIMIT CURVE

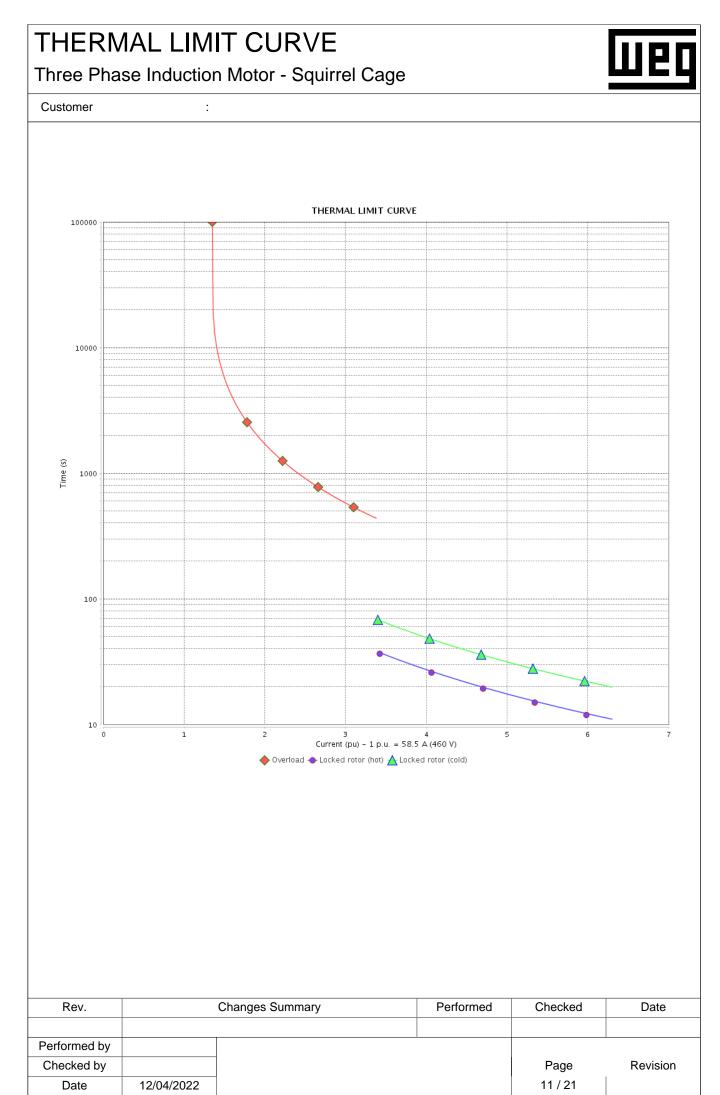
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line			Product code :	e: 14367636	
	Three-Phase		Catalog # :	05018OT3E326T-W40	
Performance	: 230/460 V 60 Hz 4P				
	: 117/58.5 A	Moment o	f inertia (J)	: 7.08 sq.ft.lb	
LRC	: 6.3	Duty cycle	;	: Cont.(S1)	
1	: 148 ft.lb : 240 %	Insulation Service fa		: F : 1.25	
Breakdown torque	: 240 %	Temperature rise		: 80 K	
	: 1775 rpm	Design		: B	
Heating constant					
Cooling constant Rev.	Changes Summary		Performed	Checked	Date
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Performed by					
Checked by				Page	Revision
Date 12/04/2022				10 / 21	
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# THERMAL LIMIT CURVE

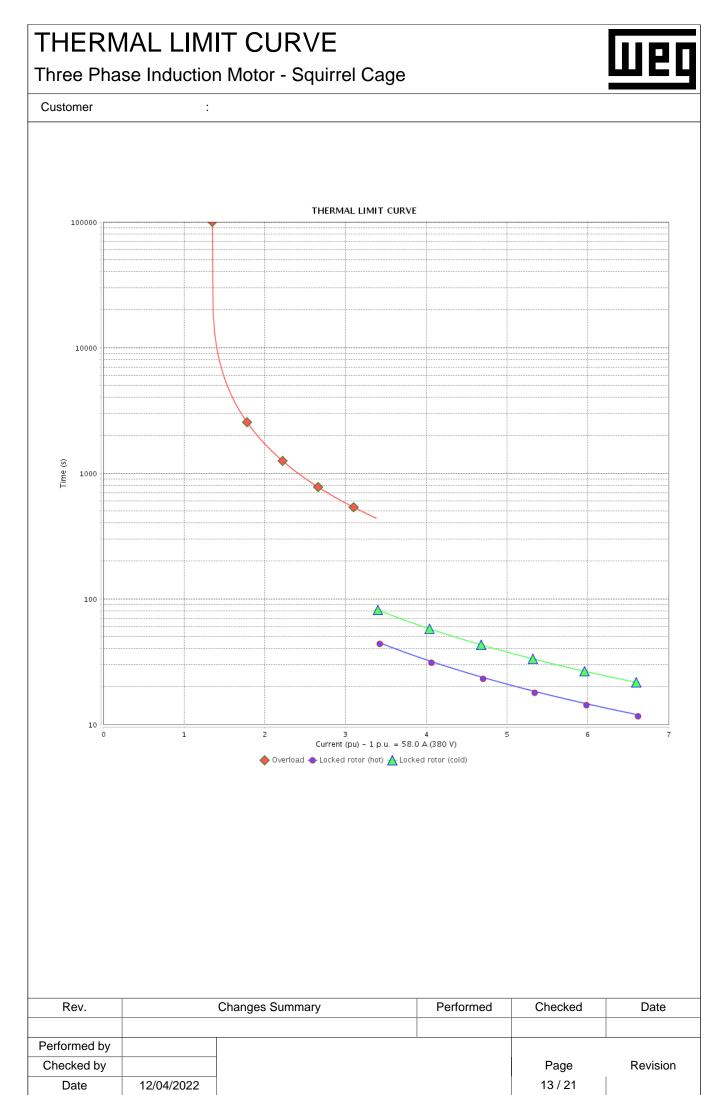
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: W40 NEMA Premium Effi	ciency	Product code :	14367636		
	Three-Phase		Catalog # :	05018OT3E3	26T-W40	
Performance Rated current	: 380 V 50 Hz 4P IE3 : 58.0 A	Moment o	f inertia (J)	: 7.08 sq.ft.lb		
LRC	: 6.6	Duty cycle	9	: Cont.(S1)		
Rated torque Locked rotor torq	: 142 ft.lb ue : 220 %	Insulation Service fa		: F : 1.00		
Breakdown torqu	e : 240 %	Temperature rise		: 80 K		
Rated speed	: 1475 rpm	Design		: B		
Heating constant Cooling constant						
Rev.	Changes Summary		Performed	Checked	Date	
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Checked by				Page	Revision	
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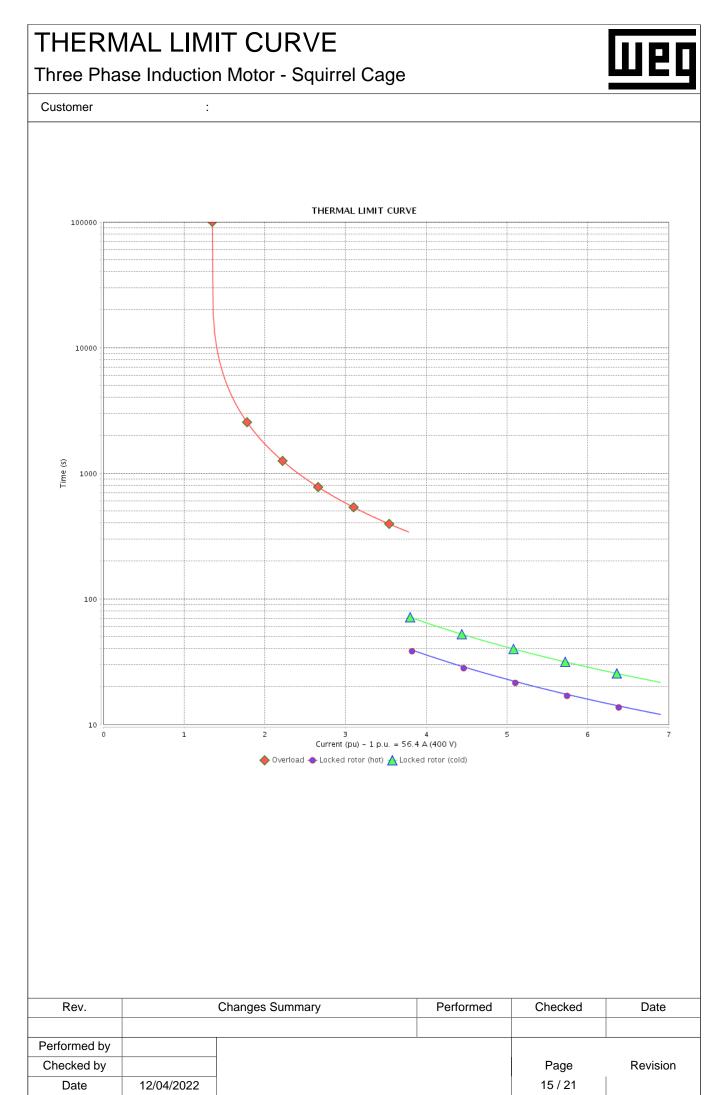
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		N40 NEMA Premium Efficiency Product code : 14367636				
	Т	hree-Phase		Catalog # :	05018OT3E3	26T-W40
Performance		00 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 6 : 1 ue : 2 e : 2	6.4 A .9 42 ft.lb 50 % 70 % 475 rpm	Moment o Duty cycle Insulation Service fa Temperatu 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

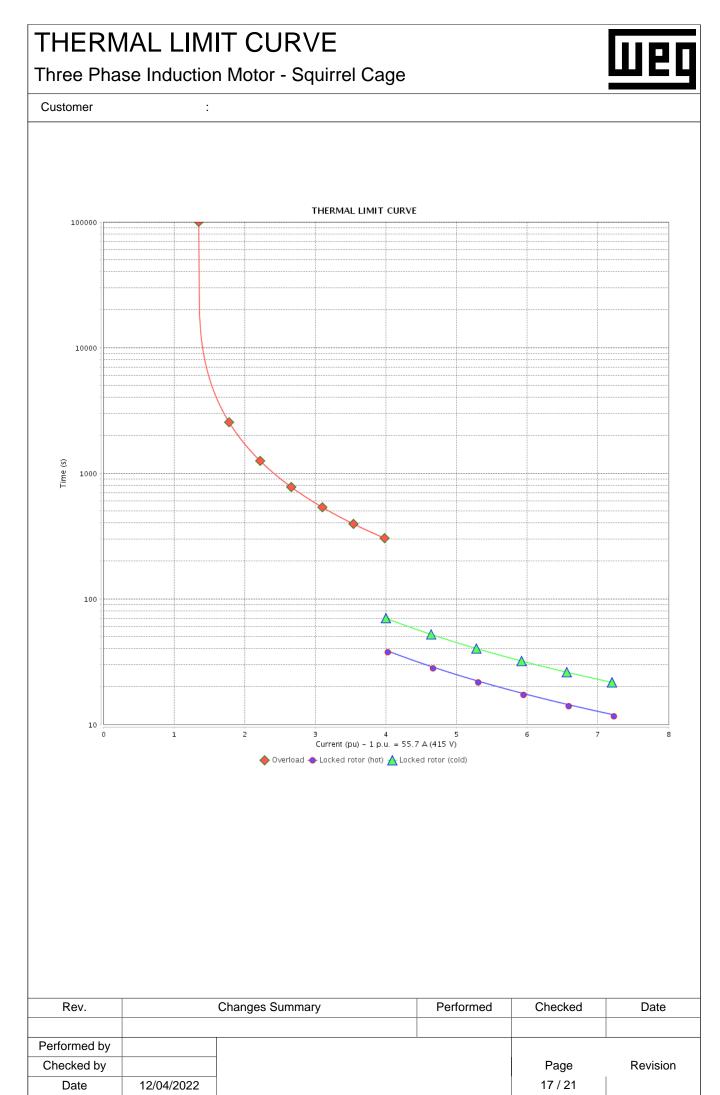
Three Phase Induction Motor - Squirrel Cage

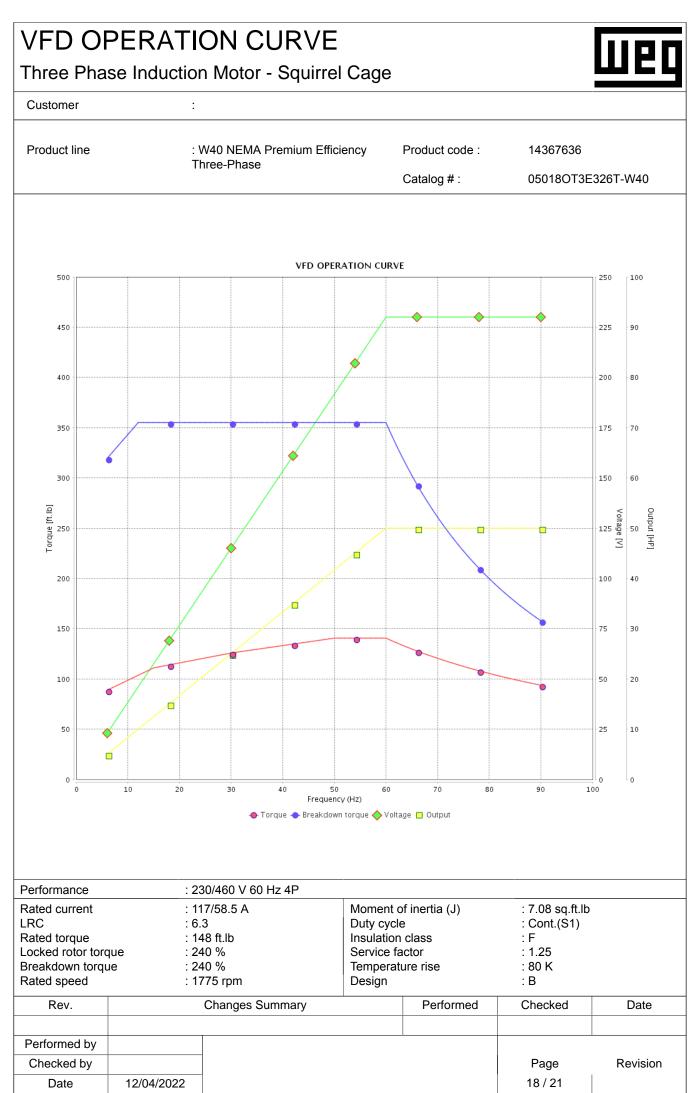
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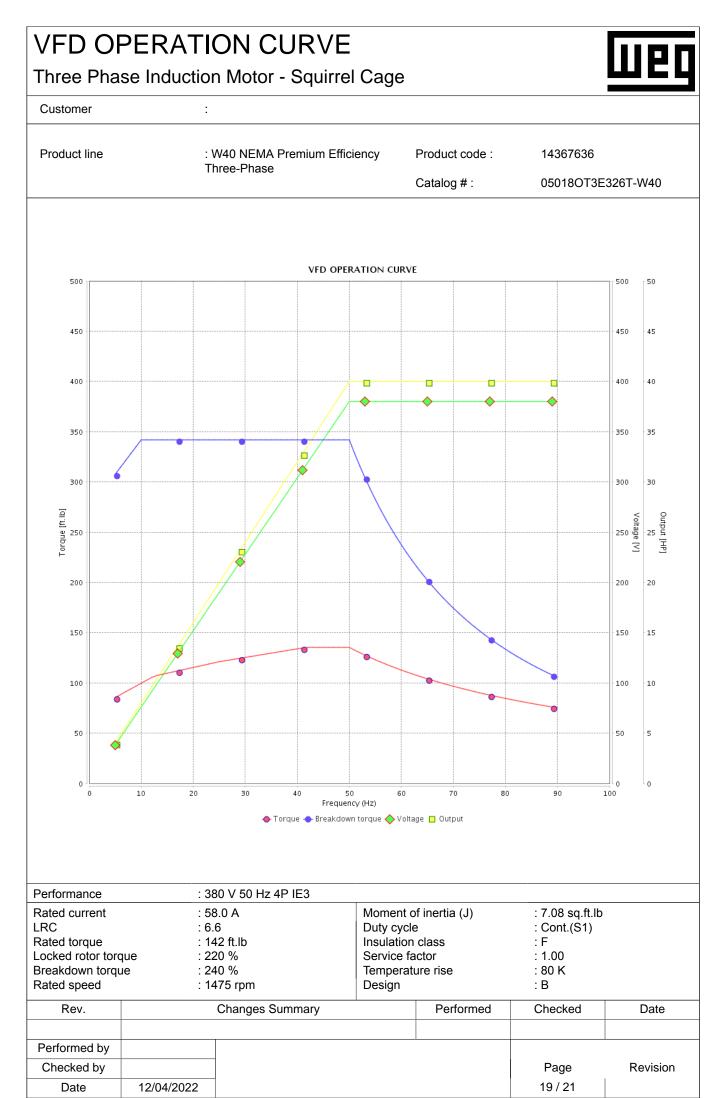


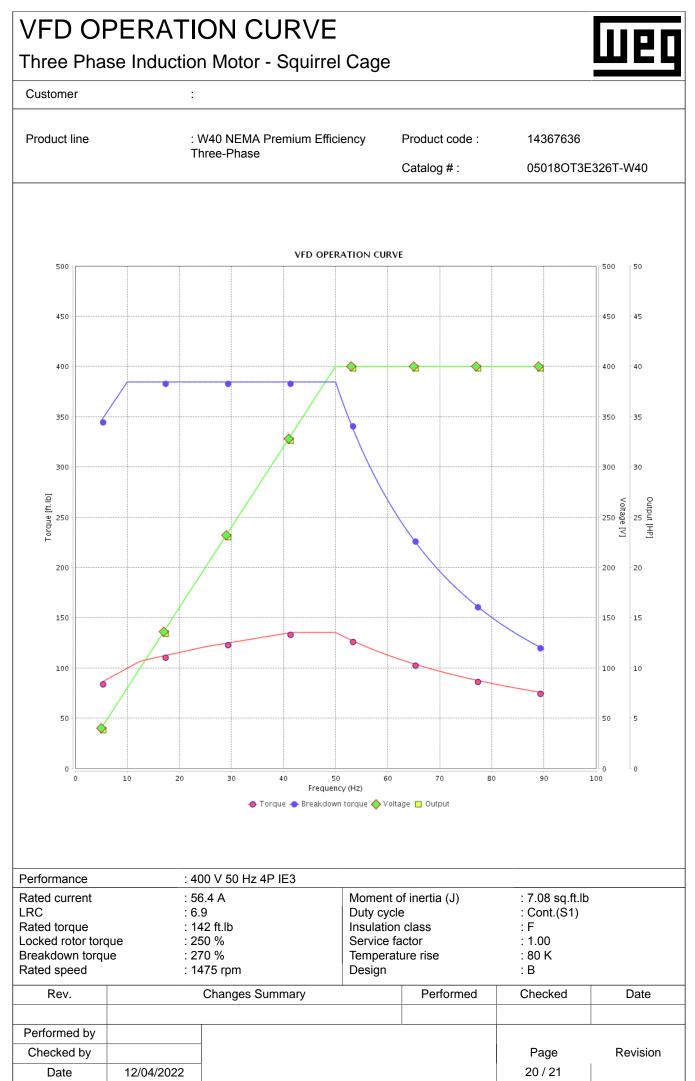
Customer

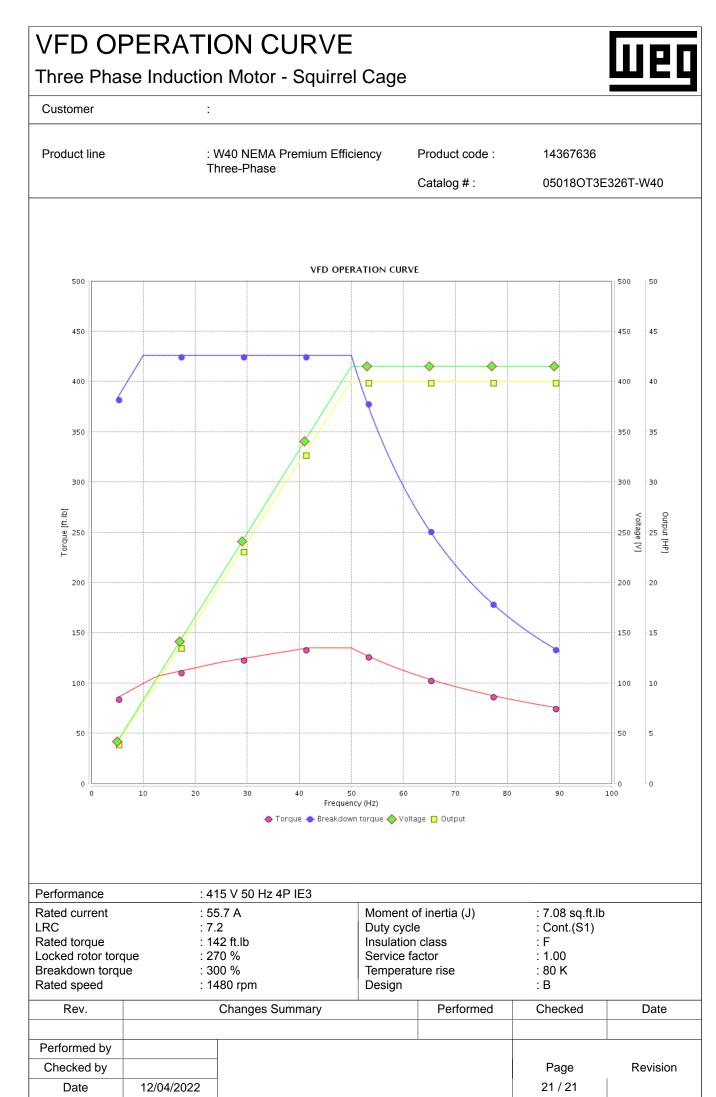
Product line		W40 NEMA Premium Efficie <sup>-</sup> hree-Phase	ency	Product code :	14367636	
	I	IIICE-FIIdSC		Catalog # :	05018OT3E3	26T-W40
Performance	: 4	15 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 7 : 1 jue : 2 ie : 3	5.7 A 7.2 42 ft.lb 270 % 300 % 480 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	t					
Cooling constant	t				· · ·	
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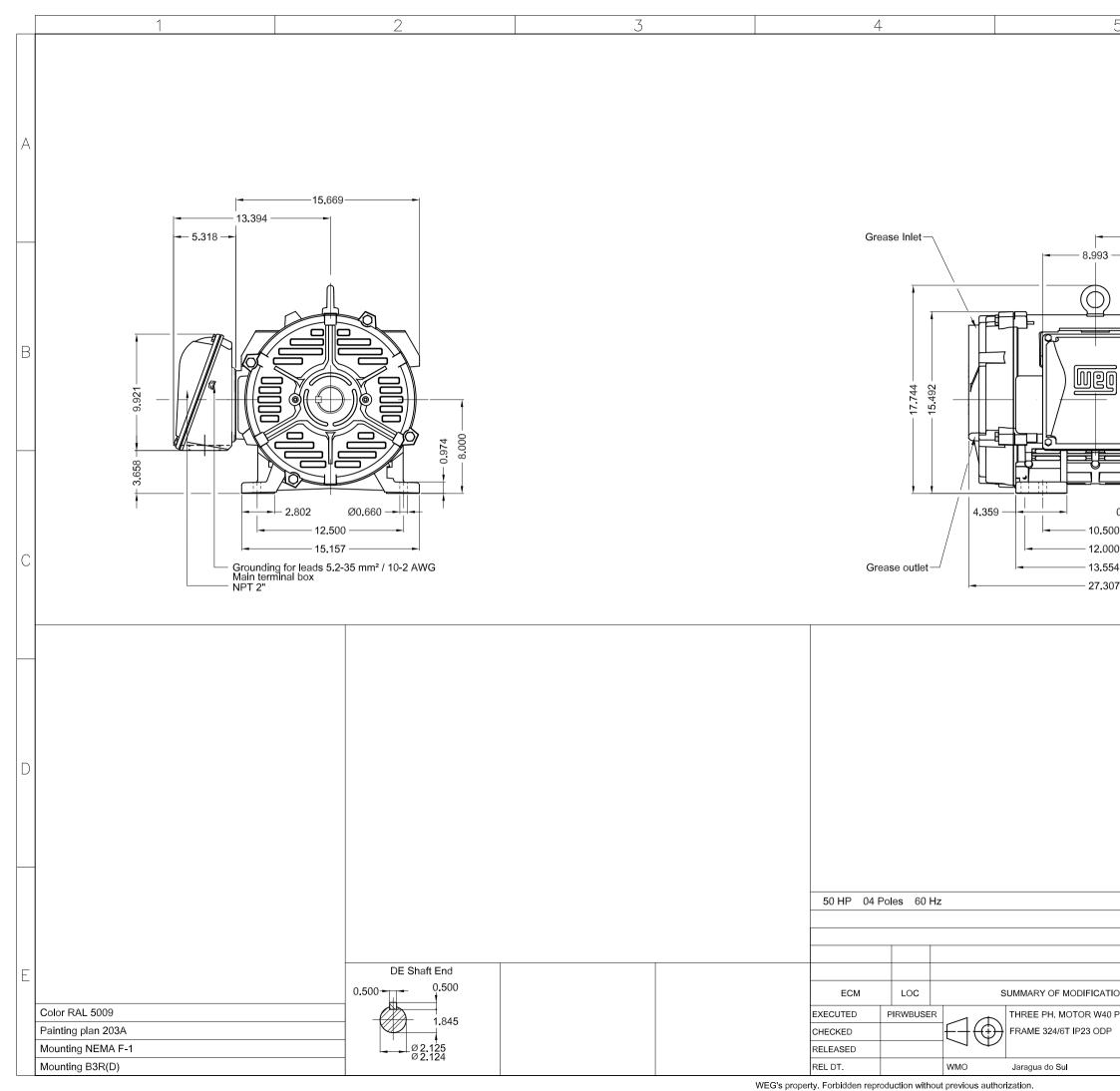












5		6		
	- Grease Inlet			
	Grease outlet			
				Dimensions in inches
			1:8	
NS EXECU REM. EFF.	PREV	RELEASED		VER
Product Engineeri	MDD ng SHEET	1 / 1		XME

