# DATA SHEET

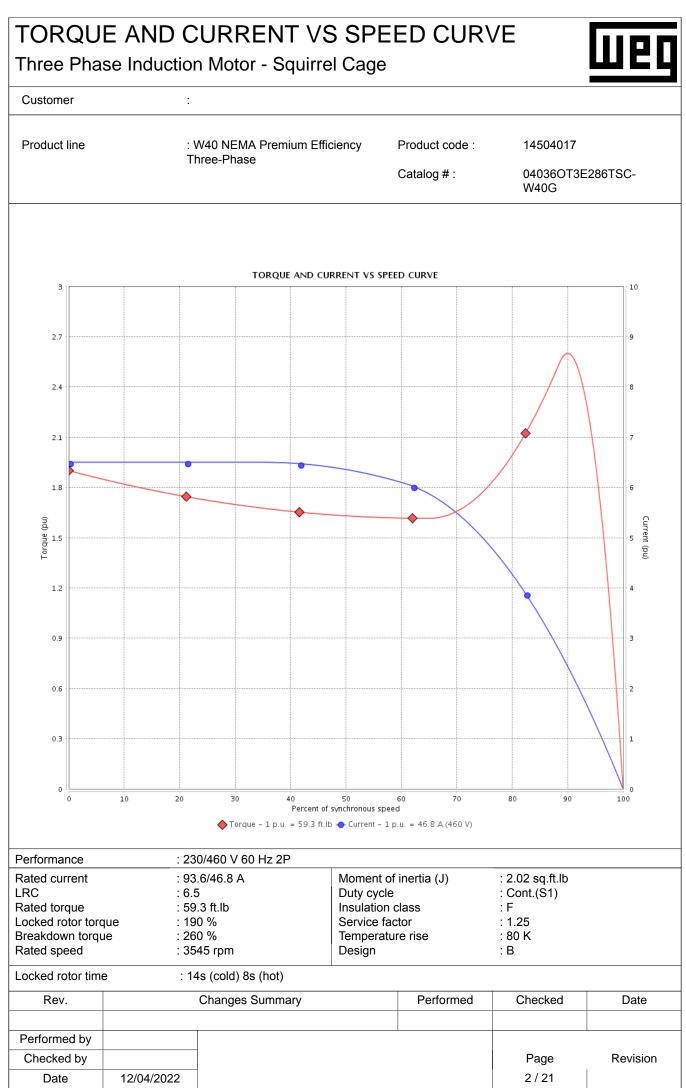
#### Three Phase Induction Motor - Squirrel Cage

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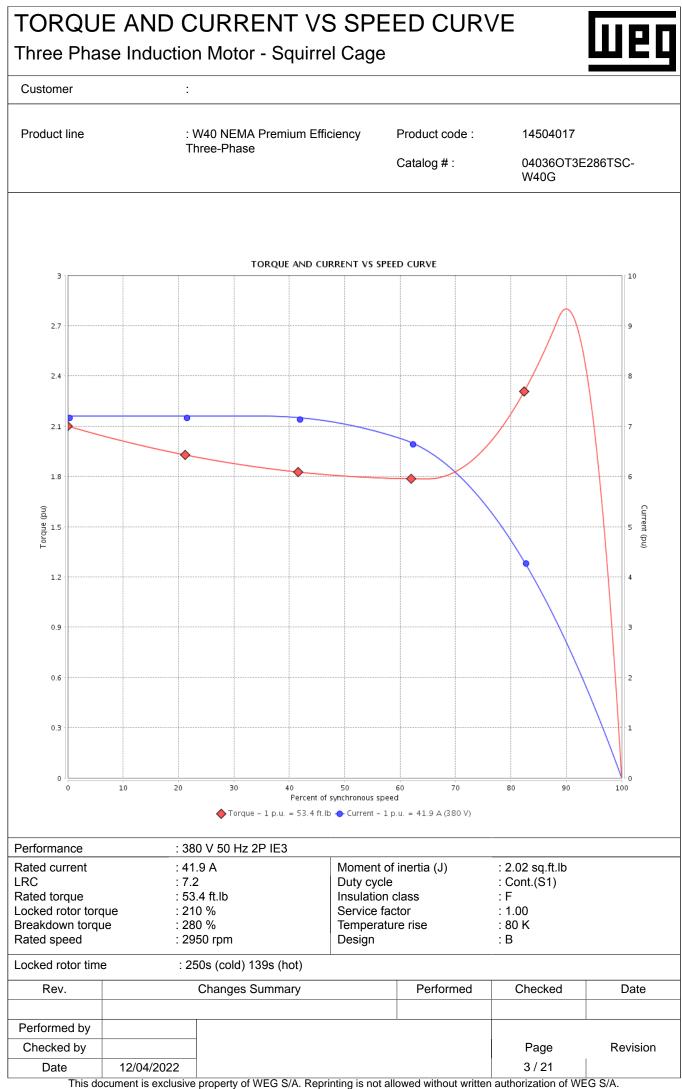


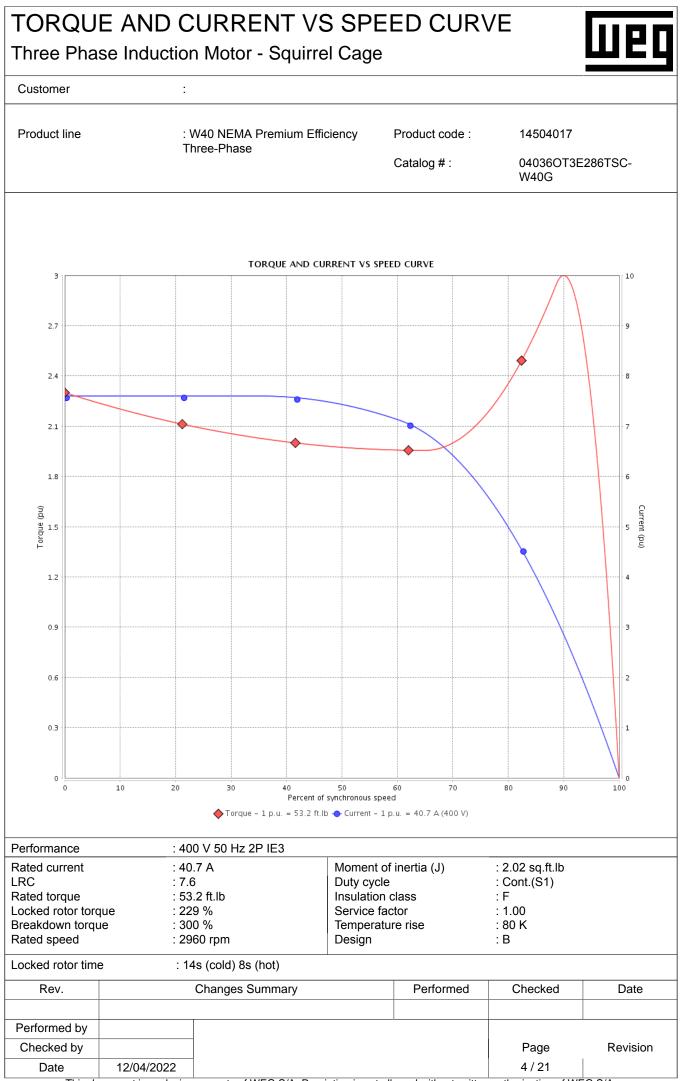
#### Customer

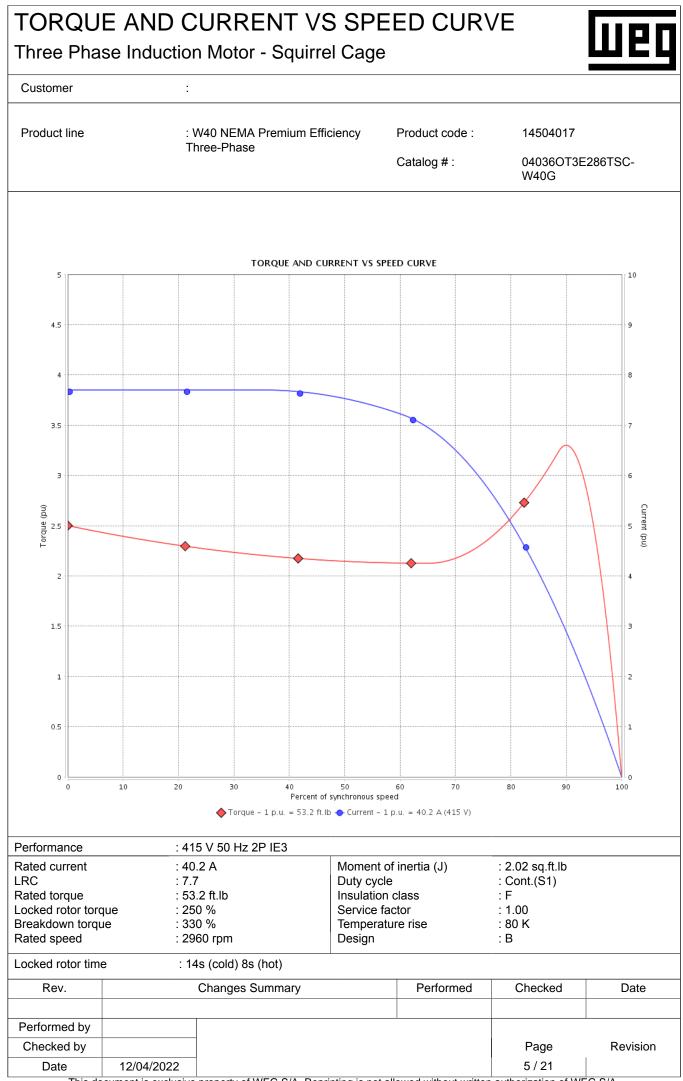
Product line		: W40 NEMA Premium Efficiency Three-Phase		ncy Pro	duct code :	14504017	14504017	
		Infee-Phase		Cat	alog # :	04036OT3 W40G	BE286TSC-	
Frame		: 284/6TSC		Cooling me	thod	: IC01 - O	DP	
Insulation class				Mounting		: F-1		
Duty cycle		: Cont.(S1)		Rotation <sup>1</sup>			V and CCW)	
Ambient tempera	ature	: 1000 m.a.s.l. A		Starting me		: Direct O	n Line	
Altitude	~			Approx. we		: 397 lb : 2.02 sq.f	4 lb	
Protection degree	е	: IP23 : B		Moment of	inertia (J)	: 2.02 Sq.1	1.ID	
C C								
Output [HP]		40		30	30		30	
Poles		2		2	2		2	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	400		415	
Rated current [A]		93.6/46.8		41.9	40.		40.2	
L. R. Amperes [A]		608/304		302	309		310	
LRC [A]		6.5x(Code G)	7.2	2x(Code H)	7.6x(Co		7.7x(Code J)	
No load current [A		29.8/14.9		14.3	15.		17.0	
Rated speed [RPN	/I]	3545		2950	296		2960	
Slip [%]	-	1.53		1.67	1.3		1.33	
Rated torque [ft.lb]		59.3		53.4	53.		53.2	
Locked rotor torqu		190		210	229		250	
Breakdown torque	[%]	260		280	300		330	
Service factor		1.25		1.00	1.0		1.00	
Temperature rise		80 K		80 K	80		80 K	
Locked rotor time		14s (cold) 8s (hot)	250s (d	cold) 139s (ho	t) 14s (cold)	8s (hot) 1	4s (cold) 8s (hot)	
Noise level <sup>2</sup>		73.0 dB(A)						
	25%	91.5		88.6	88.		88.9	
Efficiency (%)	50%	91.7		90.0	90.		90.2	
	75%	92.4		91.4	91.		91.5	
	100%	92.4	92.8		92.		92.8	
	25%	0.51		0.49	0.4		0.41	
Power Factor	50%	0.76		0.73	0.7		0.65	
1 01101 1 00001	75%	0.84		0.82	0.7		0.76	
	100%	0.87		0.86	0.8	4	0.82	
			rive end	Foundation	loads			
Bearing type		: 6311 Z C3 621	6211 Z C3 Max. traction					
Sealing			ithout	Max. compression				
			ing Seal					
Lubrication interv			000 h					
Lubricant amoun	t		11 g					
Lubricant type		: Mobil Polyrex I	ΞM					
Notes USABLE @208V	104A SF 1.′	15 SFA 119A						
must be eliminate (1) Looking the m (2) Measured at 1	ed. otor from the m and with t	ncel the previous one, w e shaft end. tolerance of +3dB(A). ct to changes after	hich		verage values t y, subject to the		with sinusoidal oulated in NEMA	
manufacturing pro	ocess.							
(4) At 100% of ful		Changes Summary	,		Performed	Checked	Date	
(4) At 100% of ful Rev.								
Rev.								
Rev. Performed by						D	Devision	
Rev.	12/04/202					Page 1 / 21	Revision	



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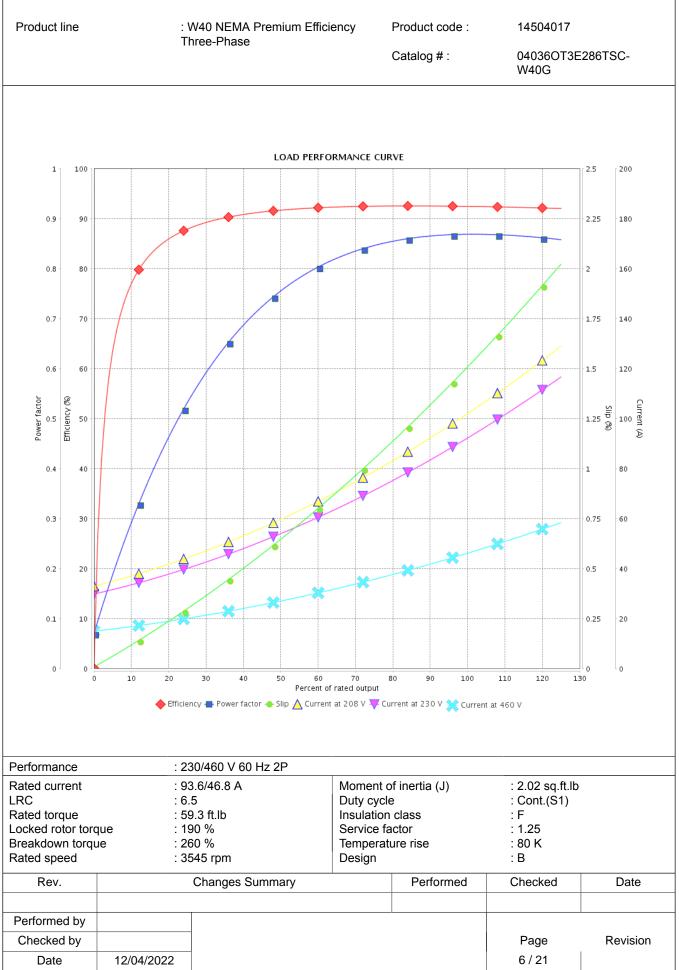
#### LOAD PERFORMANCE CURVE

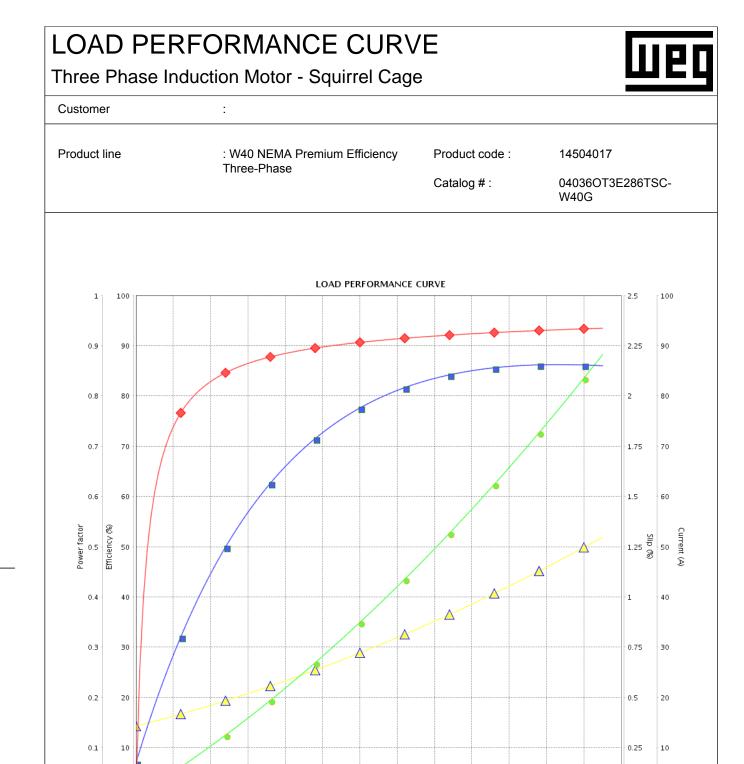
Three Phase Induction Motor - Squirrel Cage

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Customer





Performance	: 38	30 V 50 Hz 2P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 7. : 53 e : 27 : 28	I.9 A 2 3.4 ft.lb 10 % 30 % 950 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 2.02 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				7 / 21	

Percent of rated output 🔶 Efficiency 🖶 Power factor 🔶 Slip 🛆 Current at 380 V

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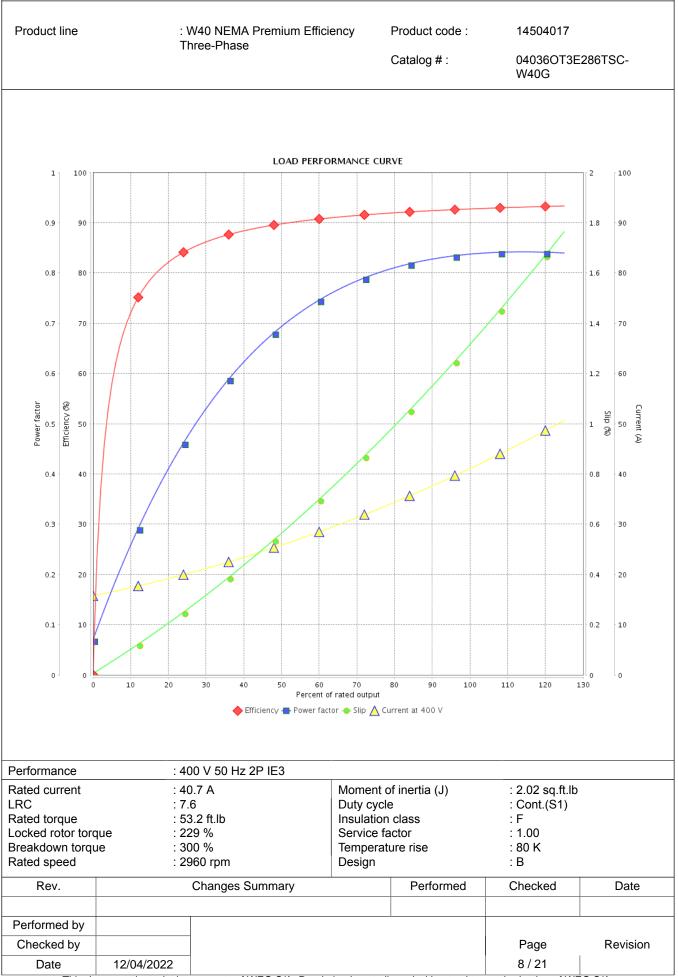
#### LOAD PERFORMANCE CURVE

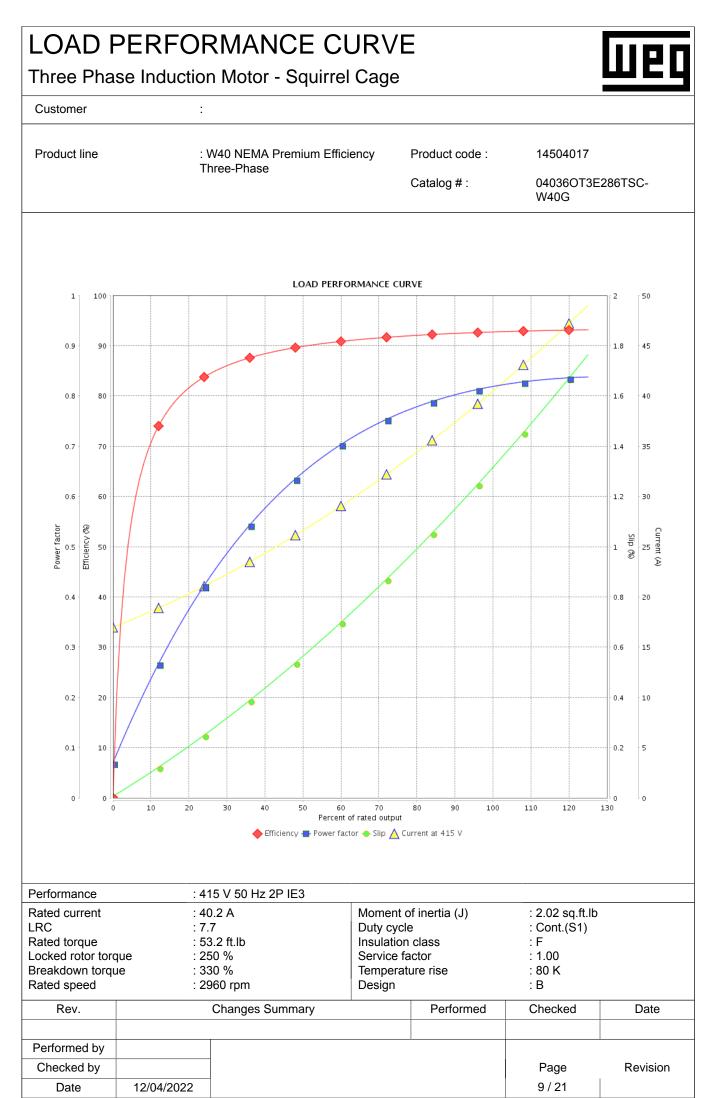
Three Phase Induction Motor - Squirrel Cage

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Customer





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## THERMAL LIMIT CURVE

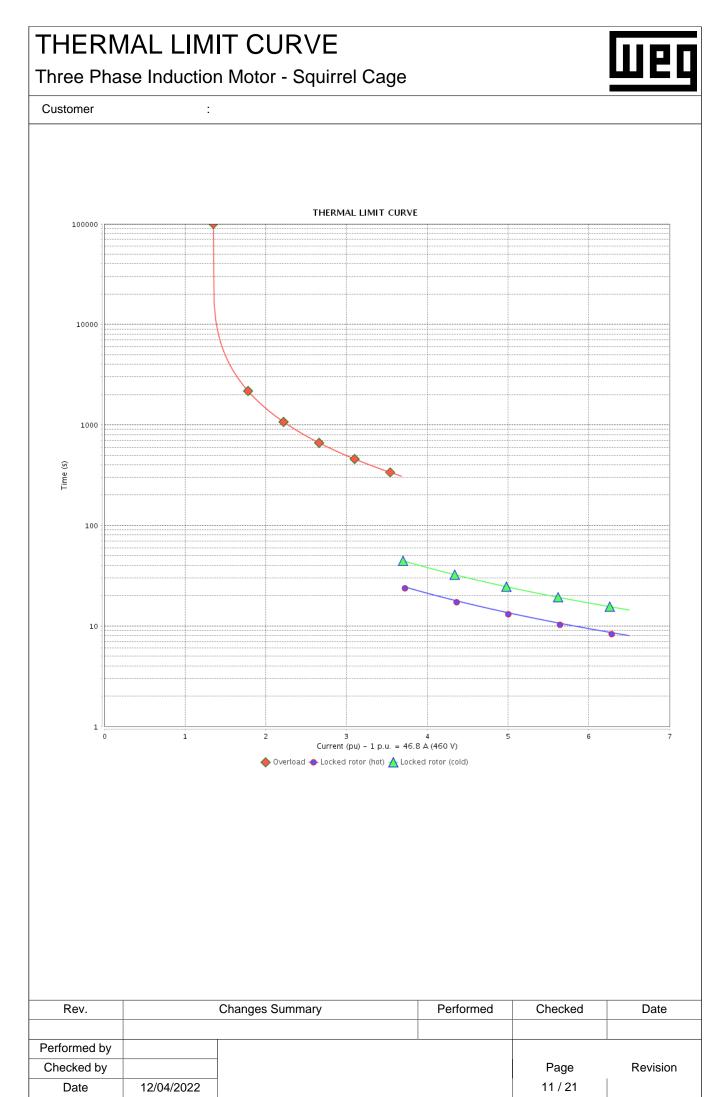
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: W40 NEMA Premium Efficie	ncv	Product code :	14504017		
	Three-Phase			04036OT3E286TSC-		
			Catalog # :	04036013E2 W40G	20130-	
Performance	: 230/460 V 60 Hz 2P					
	: 93.6/46.8 A	Moment o	of inertia (J)	: 2.02 sq.ft.lb		
LRC	: 6.5	Duty cycle	9	: Cont.(S1)		
	: 59.3 ft.lb : 190 %	Insulation Service fa		: F : 1.25		
Breakdown torque	: 260 %	Temperate		: 80 K		
	: 3545 rpm	Design		: B		
Heating constant Cooling constant						
Rev.	Changes Summary		Performed	Checked	Date	
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Checked by				Page	Revision	
Date 12/04/2022	sive property of WEG S/A. Reprint	ing is not all	owed without writter	10 / 21	G S/A	



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Three Phase Induction Motor - Squirrel Cage

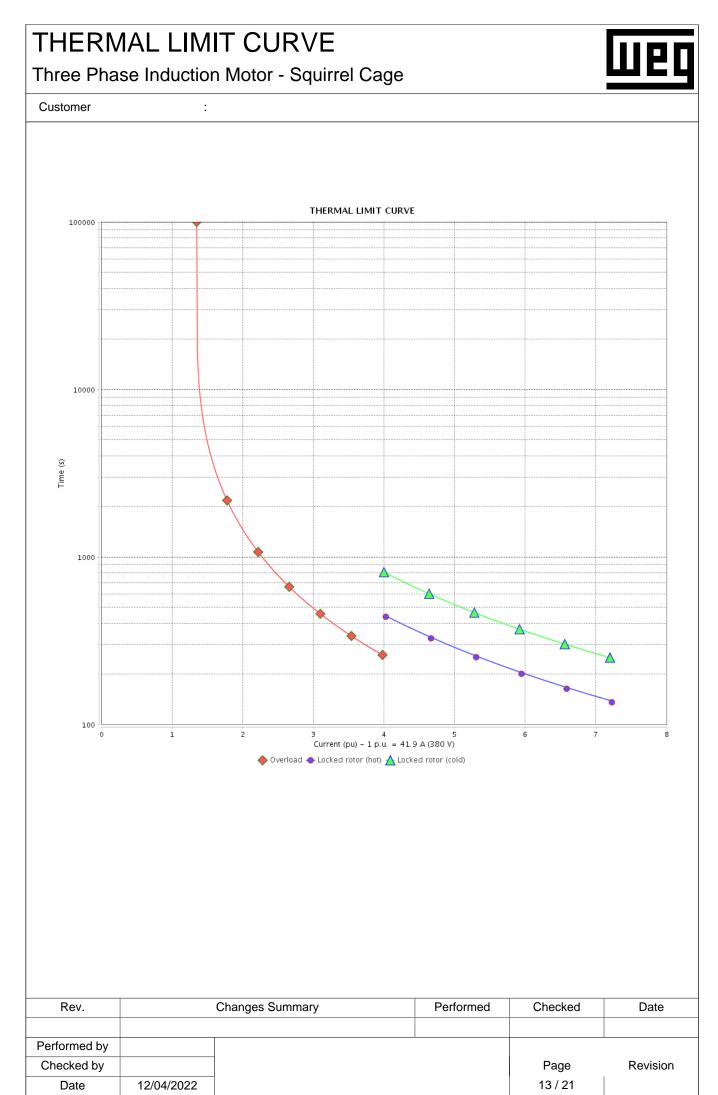
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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14504017	14504017	
	l	IIIIee-Filase		Catalog # :	04036OT3E2 W40G	286TSC-	
Performance Rated current	: 4	380 V 50 Hz 2P IE3 41.9 A	Moment o Duty cycle	f inertia (J)	: 2.02 sq.ft.lb : Cont.(S1)		
Rated torque Locked rotor torque		: 53.4 ft.lb Insula : 210 % Servi		class ctor	: F : 1.00		
Breakdown torqu Rated speed		280 % 2950 rpm	Temperatu Design	ure rise	: 80 K : B		
Heating constant							
Cooling constant						<u> </u>	
Rev.		Changes Summary		Performed	Checked	Date	
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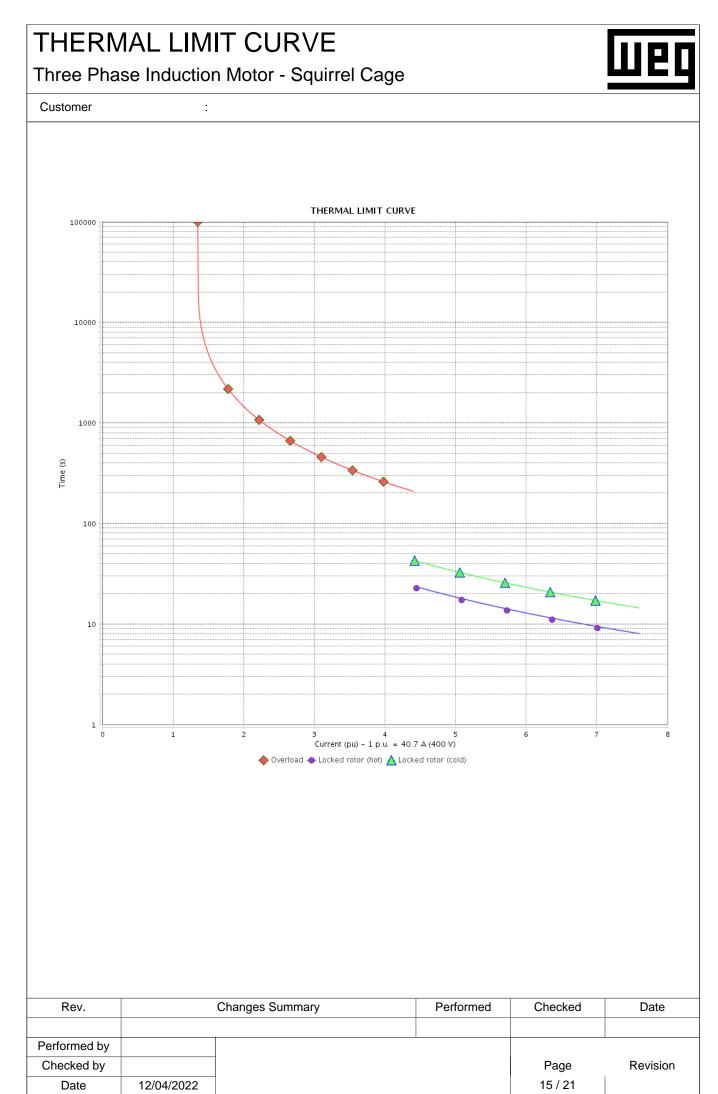
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	: \ T	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14504017	14504017		
				Catalog # :	04036OT3E2 W40G	286TSC-		
Dorformanaa								
Performance Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 41 : 7 : 5 ue : 2 e : 3	00 V 50 Hz 2P IE3 0.7 A .6 3.2 ft.lb 29 % 00 % 960 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 2.02 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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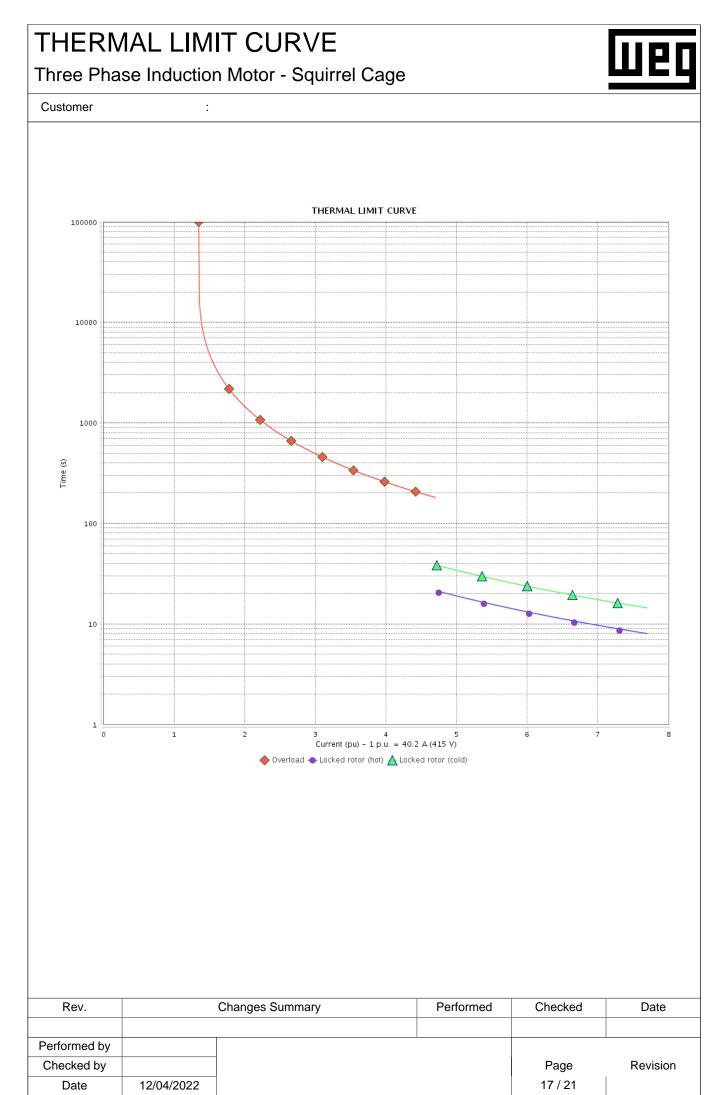
Three Phase Induction Motor - Squirrel Cage

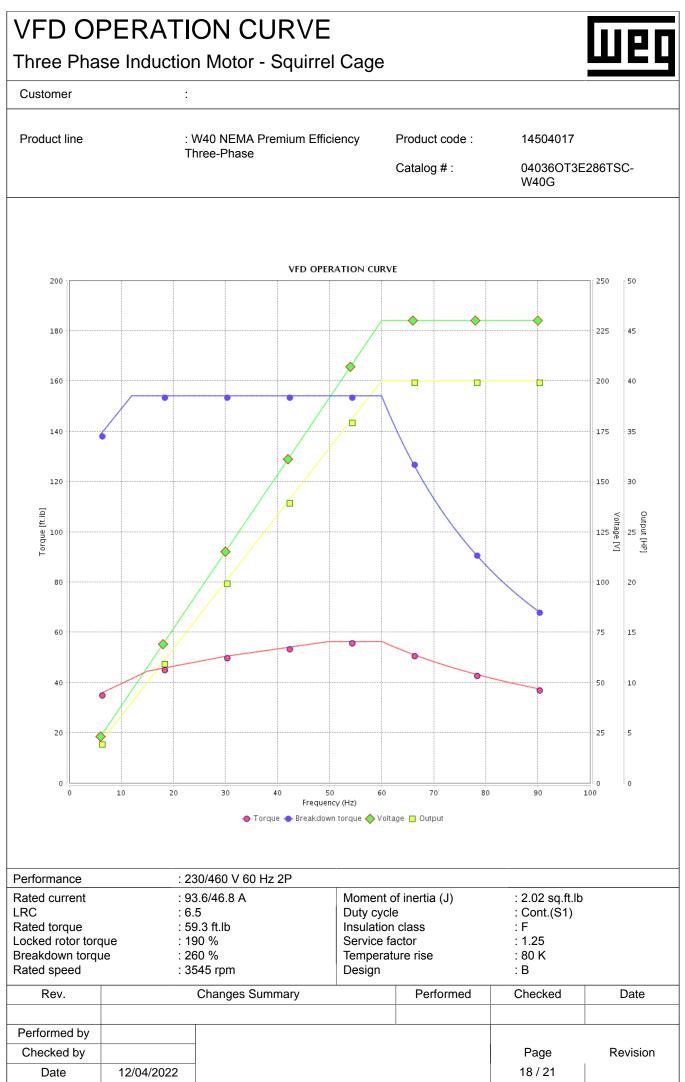
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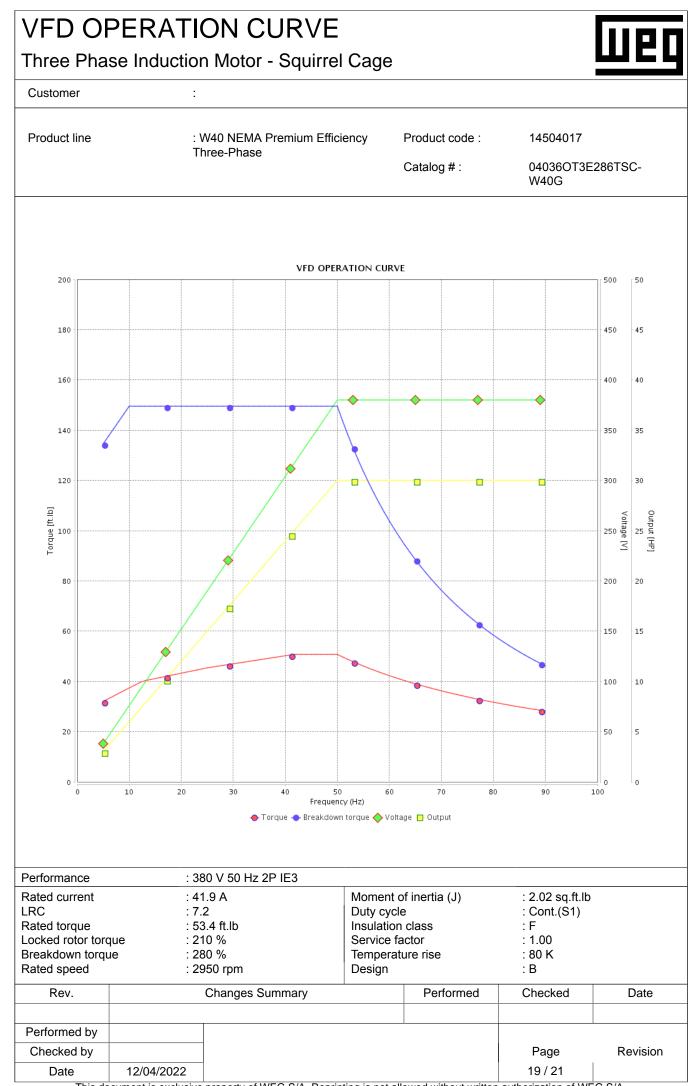


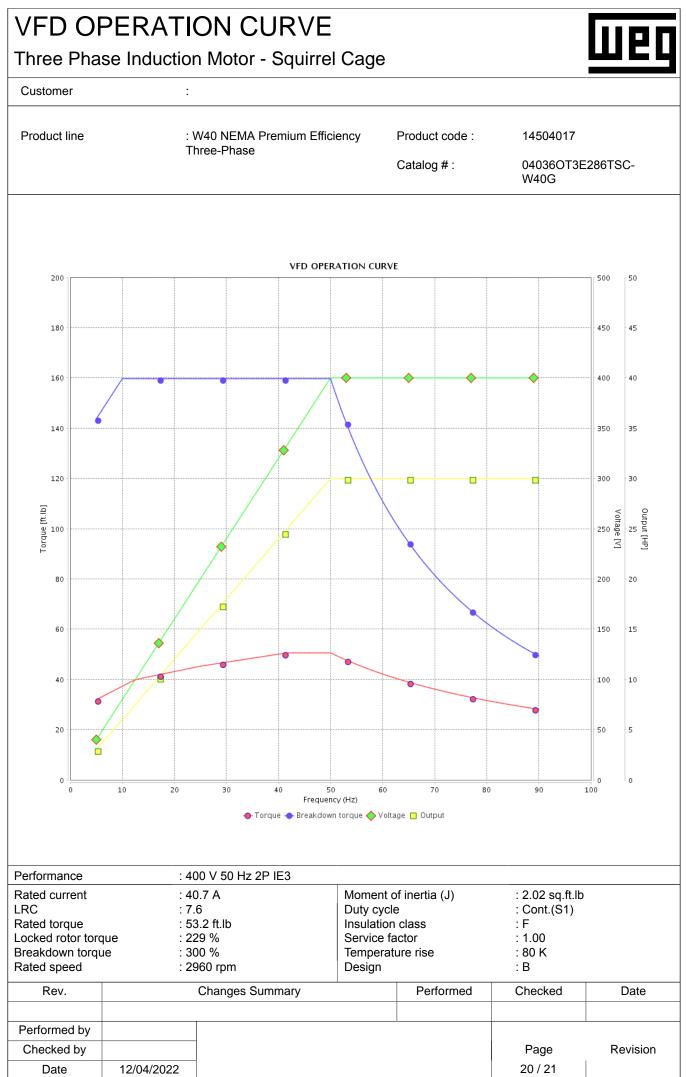
Customer

Product line	: W40 NEMA Premium Efficien		ncy Product code :		14504017		
	T	Three-Phase					
				Catalog # :	04036OT3E2 W40G	86TSC-	
Performance	· 4	15 V 50 Hz 2P IE3					
Rated current		10.2 A	Moment o	f inertia (.I)	: 2.02 sq.ft.lb		
LRC	: 7	7.7	Moment of inertia (J) Duty cycle		: Cont.(S1)		
Rated torque		53.2 ft.lb	Insulation		: F		
Locked rotor torque Breakdown torque		250 % 330 %	Service fa Temperatu		: 1.00 : 80 K		
Rated speed		2960 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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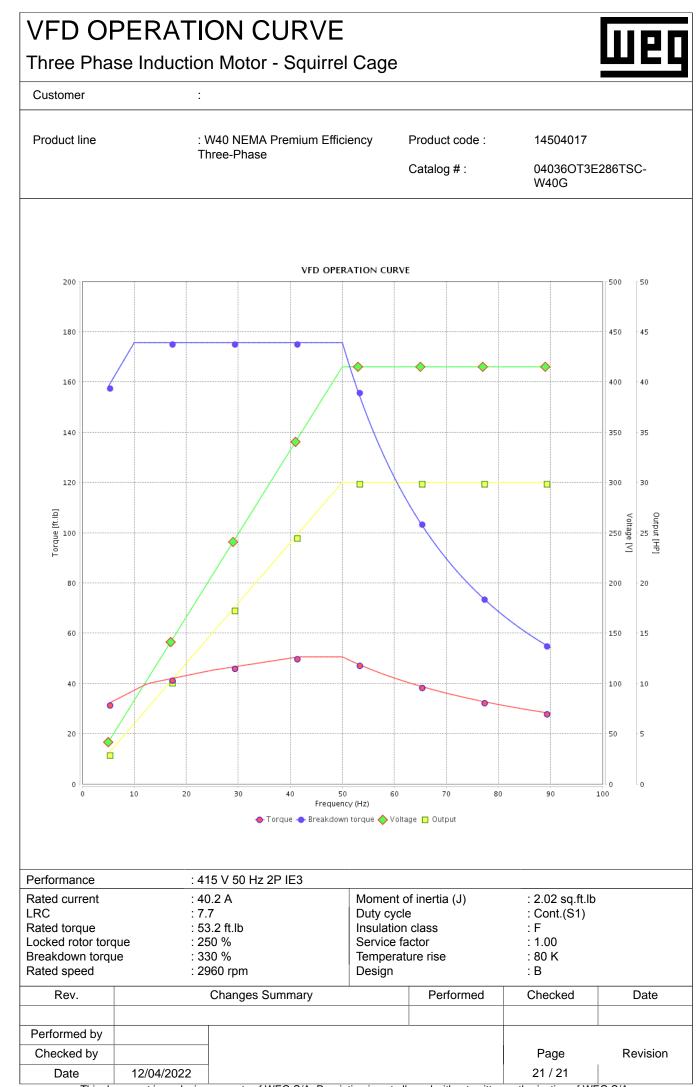


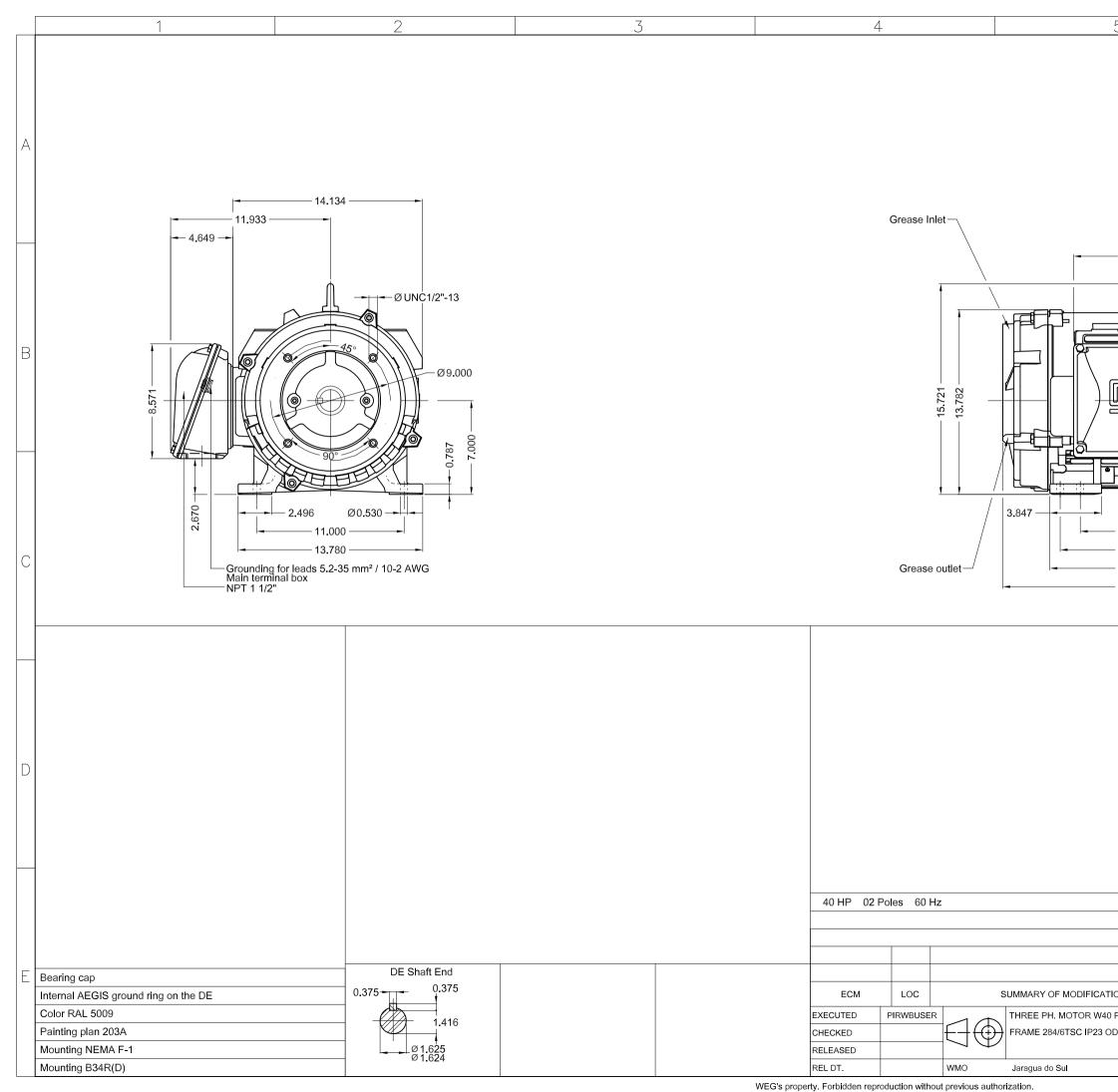






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5 8.993 8.993 0.764 9.500 11.000 12.529 23.283 0.764			6 ease Inlet 2.480 3.250 se outlet			Dimensions in inches
					A	Dimen
				1:7		
					+	
<b>FIONS</b>	EXECUTED	CHECKED	RELEASED	DATE	VER	
PREM. EFF.		PREV	EW			
DDP				ШВ		A3
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Produc	t Engineering	SHEET	1 / 1			X