DATA SHEET

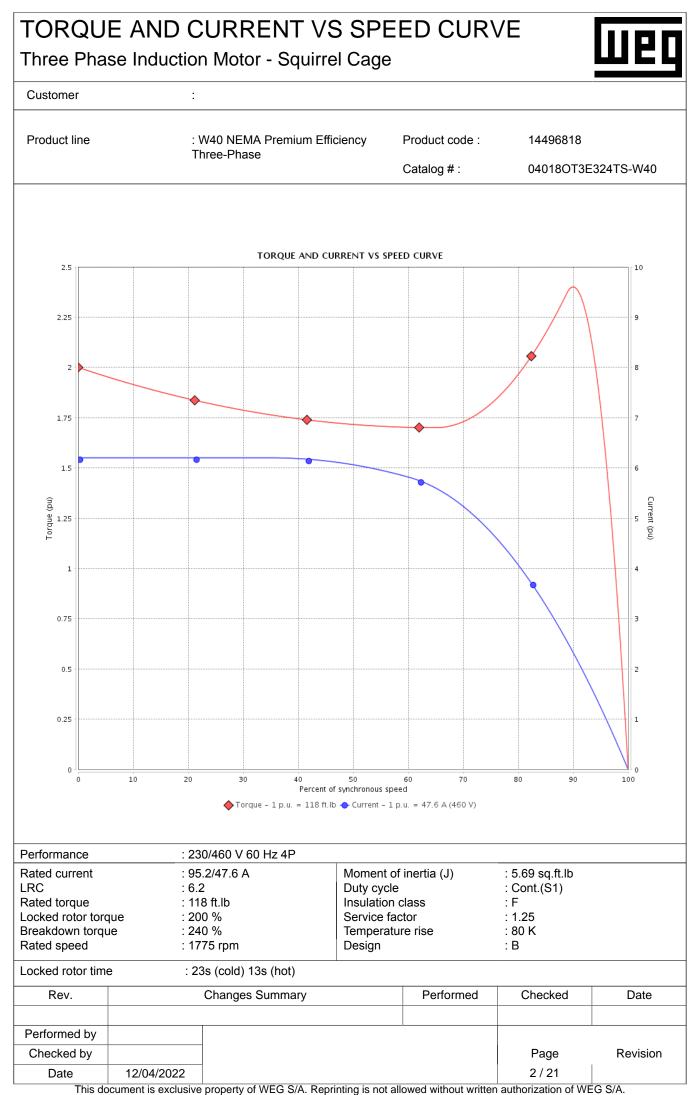
Three Phase Induction Motor - Squirrel Cage

:



Customer

		: W40 NEMA Premiur	n Efficie	ncy Pro	oduct code :	144968	18
		Three-Phase		Са	talog # :	04018O	T3E324TS-W40
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degree Design		: 324TS : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling me Mounting Rotation ¹ Starting me Approx. we Moment of	ethod eight ³		CW and CCW) On Line
•			1	20	2	0	20
Output [HP] Poles		40		30 4		4	<u> </u>
Frequency [Hz]		60		50		,	50
Rated voltage [V]		230/460		380		00	415
Rated current [A]		95.2/47.6		43.3		2.2	41.7
. R. Amperes [A]		590/295		290		83	313
RC [A]		6.2x(Code G)	6.7	x(Code H)	6.7x(C		7.5x(Code J)
No load current [A]		37.0/18.5		18.3).3	22.1
Rated speed [RPM		1775		1475		80	1480
Slip [%]		1.39		1.67		33	1.33
Rated torque [ft.lb]		118		107		06	106
ocked rotor torque		200		229		50 50	280
Breakdown torque		240		270		00	330
Service factor		1.25		1.00		00	1.00
Temperature rise		80 K		80 K		K	80 K
ocked rotor time		23s (cold) 13s (hot)) 17s (hot)	25s (cold) 14s (hot)
Noise level ²		66.0 dB(A)	,	.,	,	, - ()	- (,,
l	25%	93.5		92.4	92	2.5	92.4
	50%	93.6		92.6		2.6	92.5
Efficiency (%)	75%	94.1	93.0			3.0	93.0
	100%	94.1	93.0			3.0	93.0
	25%	0.44		0.42		38	0.34
D - ·	50%	0.70	0.68			63	0.59
Power Factor	75%	0.80		0.78		75	0.72
	100%	0.84	0.83		0.		0.79
Bearing type Sealing Lubrication interv Lubricant amoun Lubricant type		: 6312 Z C3 621 : Without W Bearing Seal Bear : 20000 h 20	ive end 1 Z C3 ithout ing Seal 000 h 11 g	Foundation Max. tractio Max. compr	n	I	
Notes USABLE @208V	105A SF 1.1						
		cel the previous one, wh	hich		•		ts with sinusoidal stipulated in NEMA
must be eliminate (1) Looking the m	otor from the m and with to veight subjec ocess.	olerance of +3dB(A).					
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro	otor from the m and with to veight subjec ocess.	olerance of +3dB(A).	,		Performed	Checked	Date
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full Rev.	otor from the m and with to veight subjec ocess.	olerance of +3dB(A). t to changes after	,		Performed	Checked	Date
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full Rev.	otor from the m and with to veight subjec ocess.	olerance of +3dB(A). t to changes after	·		Performed	Checked	Date
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full Rev.	otor from the m and with to veight subjec ocess.	olerance of +3dB(A). t to changes after	,		Performed	Checked	Date

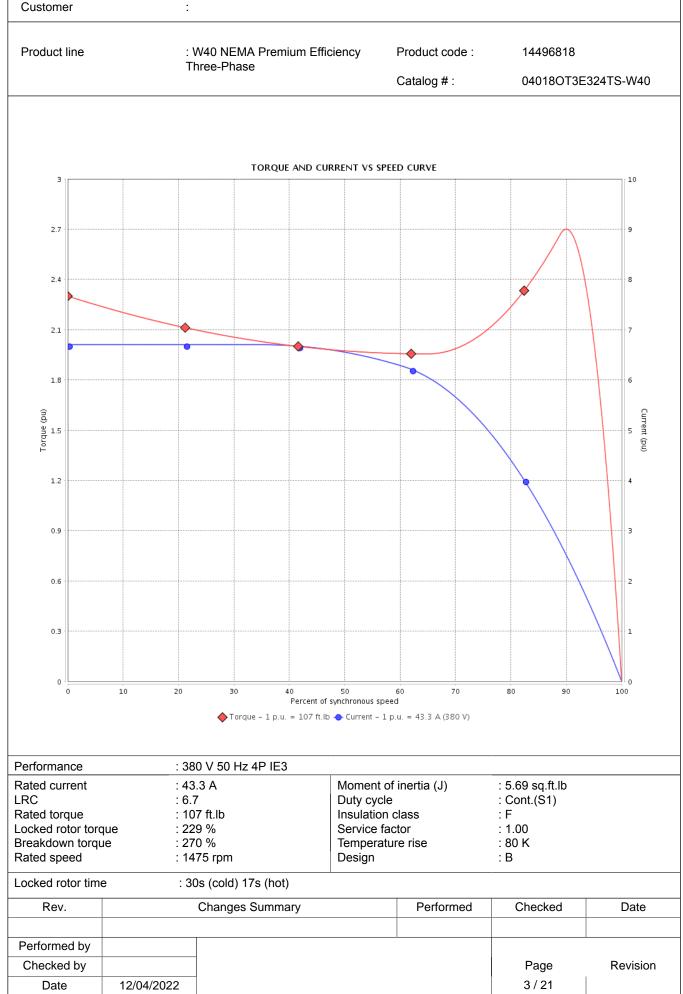


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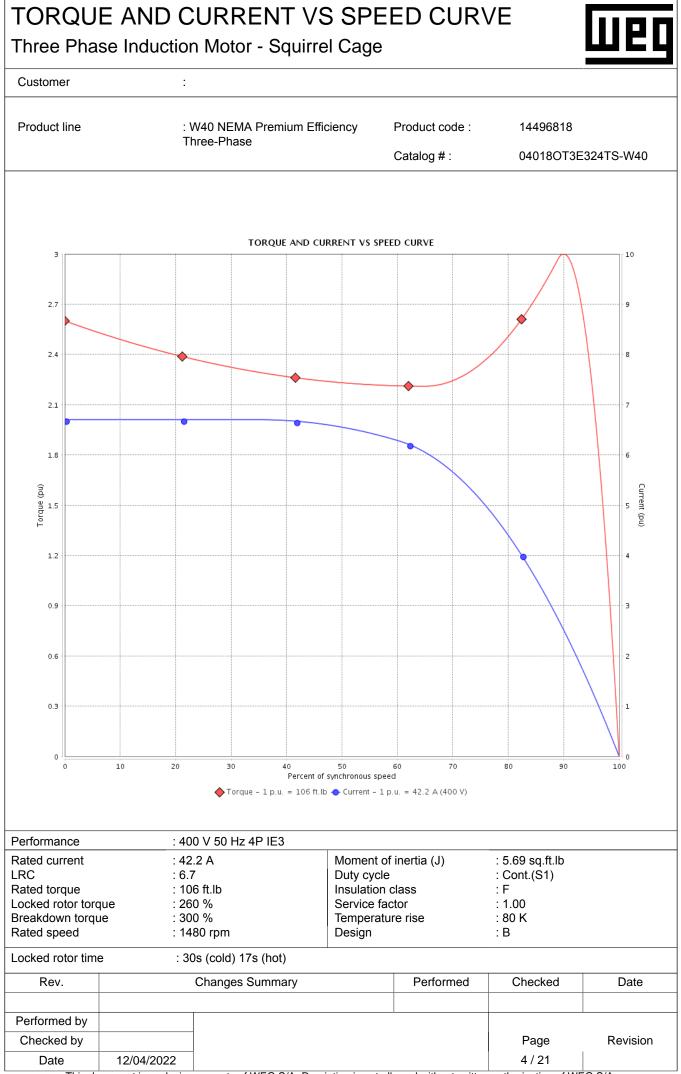
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



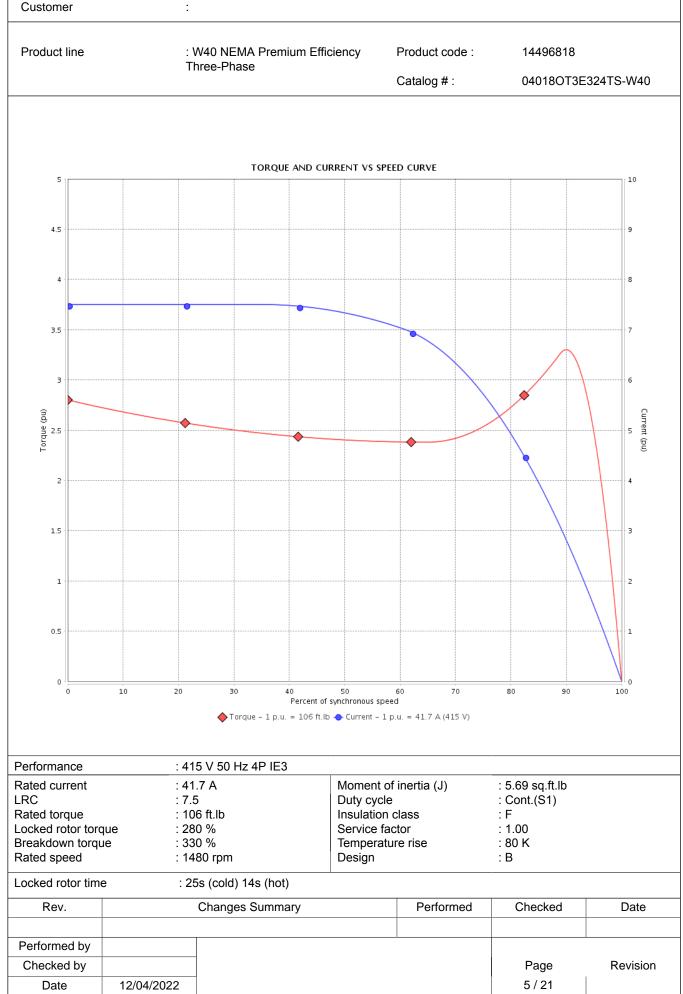
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



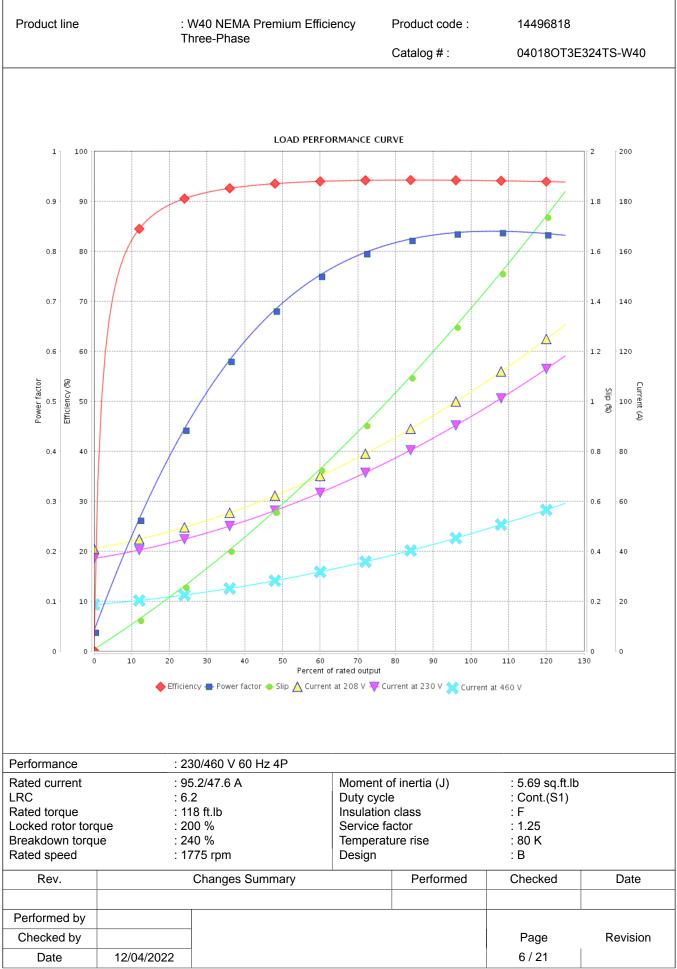
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Three Phase Induction Motor - Squirrel Cage

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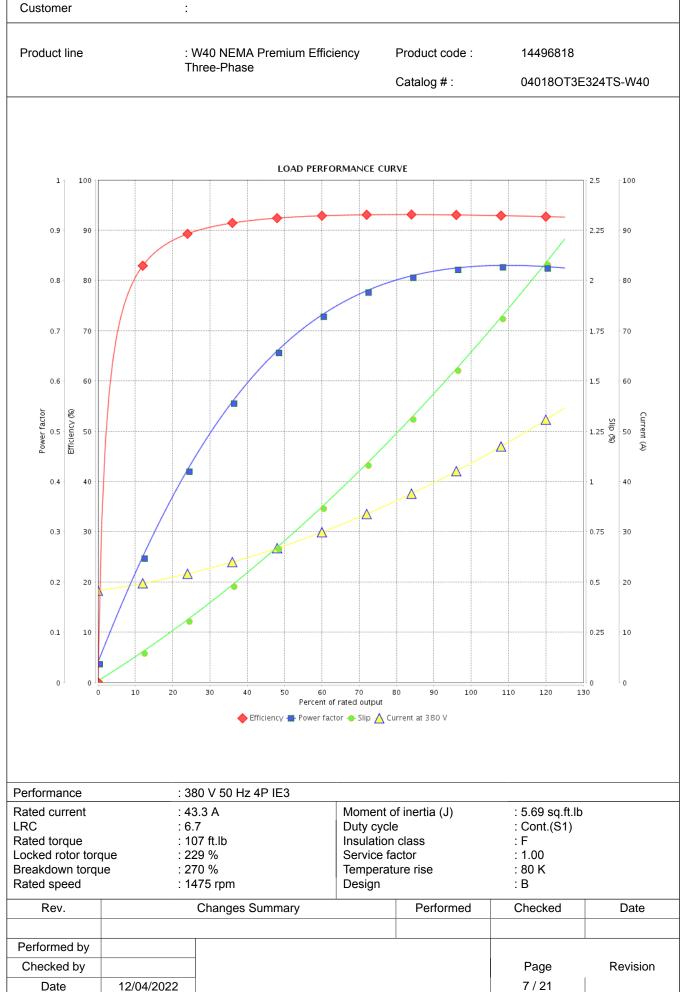


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



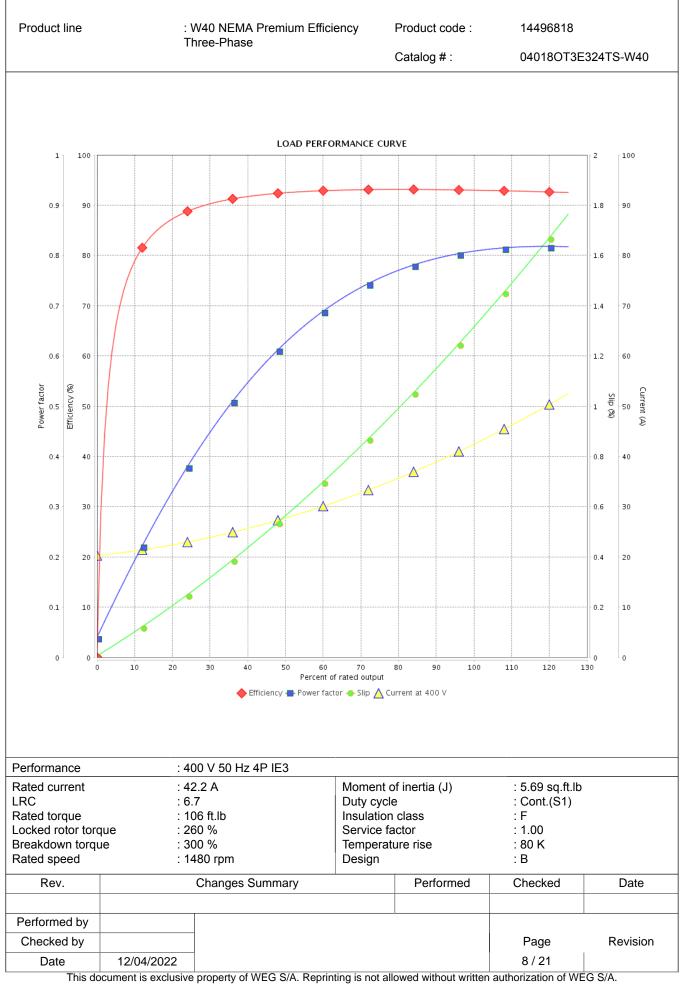
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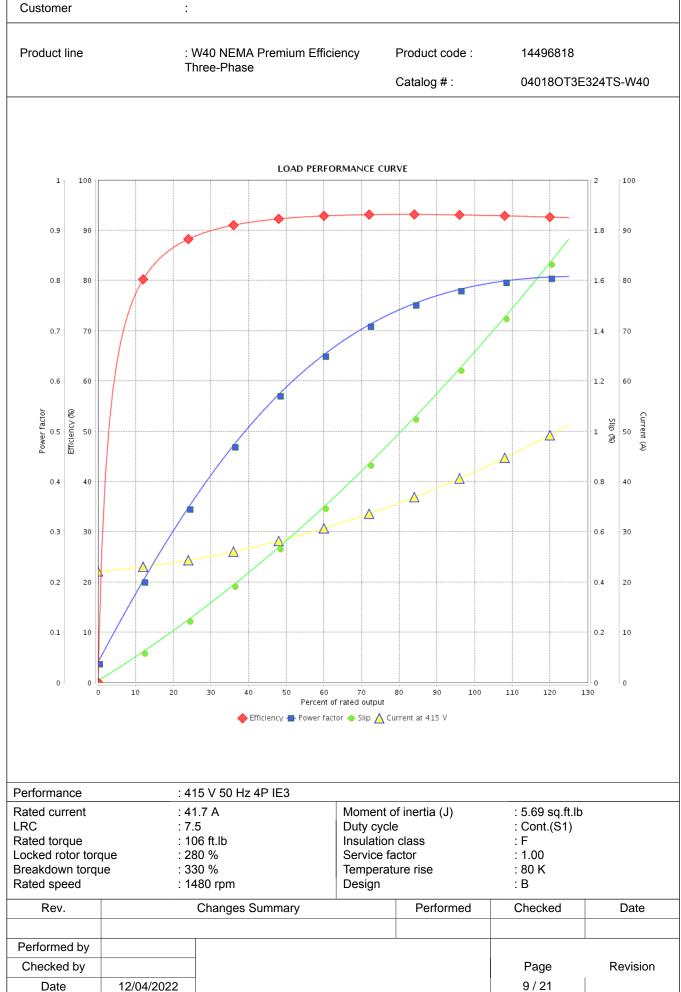


Customer



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Customer



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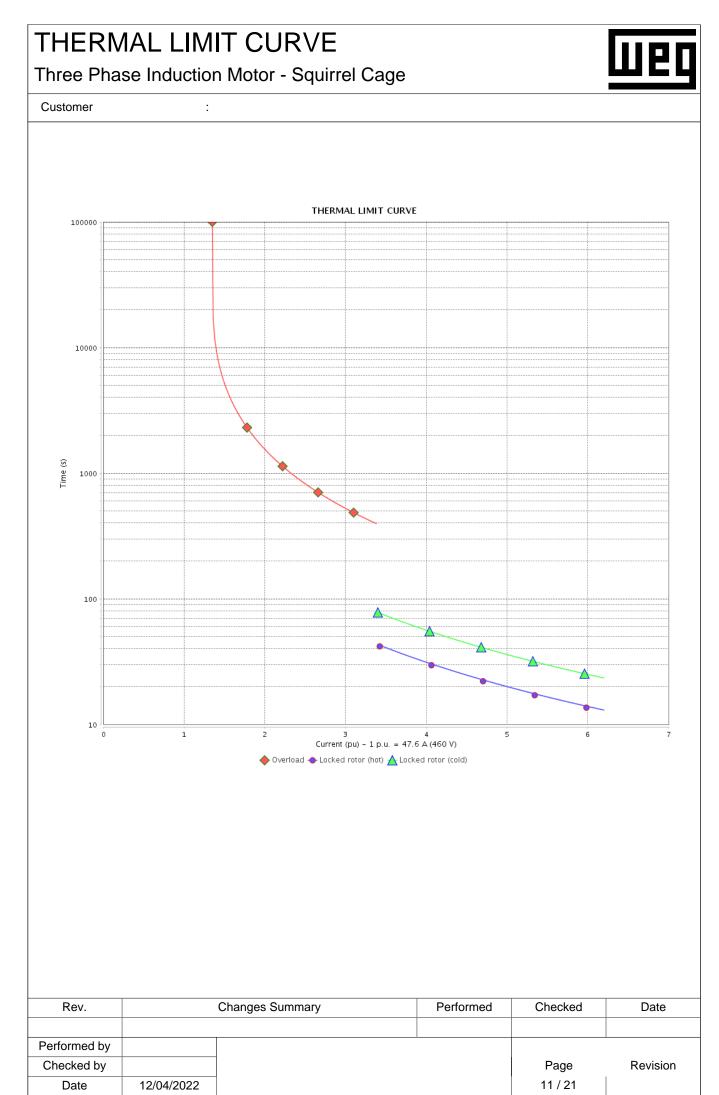
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency		Product code :	14496818	14496818		
	-	Three-Phase		Catalog # :	04018OT3E3	04018OT3E324TS-W40		
Performance		230/460 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	ine : ;	95.2/47.6 A 6.2 118 ft.lb 200 % 240 % 1775 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 5.69 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B			
Heating constant								
Cooling constant Rev.	L	Changes Summary		Performed	Checked	Date		
Performed by		_			D	Decisio		
Checked by	10/04/0000	_			Page	Revision		
Date	12/04/2022				10 / 21			



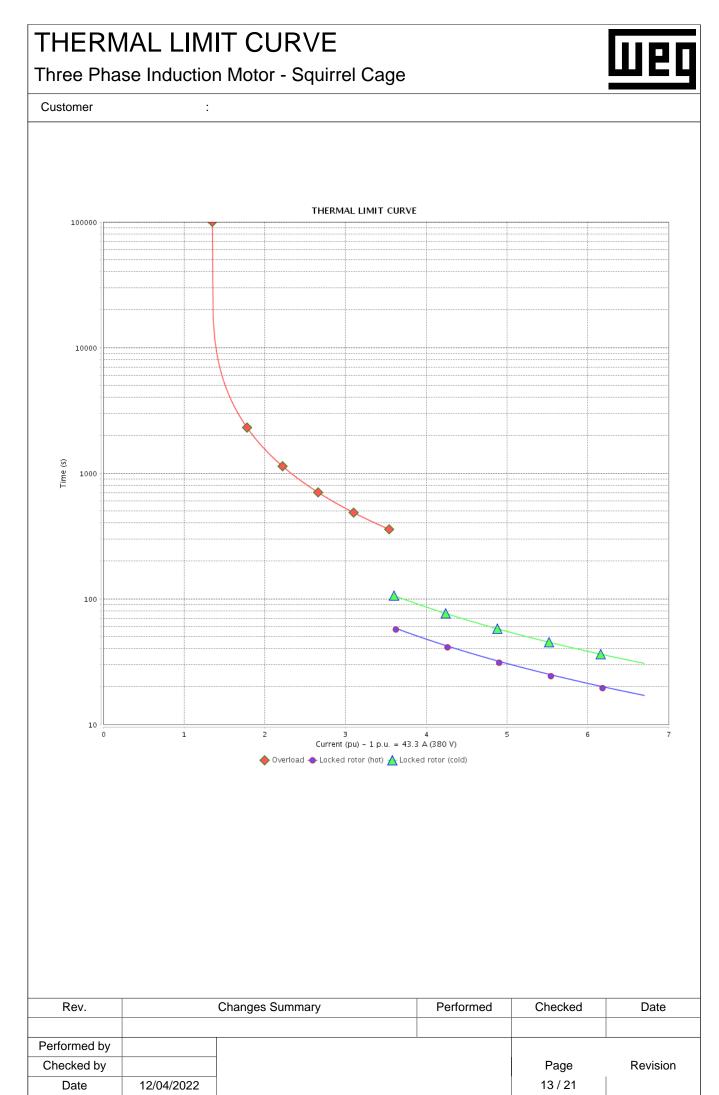
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	:	: W40 NEMA Premium Efficie	ency	Product code :	14496818			
		Three-Phase		Catalog # :	04018OT3E3	04018OT3E324TS-W40		
Performance		380 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed Heating constant	ue : : ie : :	43.3 A 6.7 107 ft.lb 229 % 270 % 1475 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	i class actor	: 5.69 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Cooling constant								
Rev.	·	Changes Summary		Performed	Checked	Date		
Performed by					1			
Checked by					Page	Revision		
Date	12/04/2022				12 / 21			



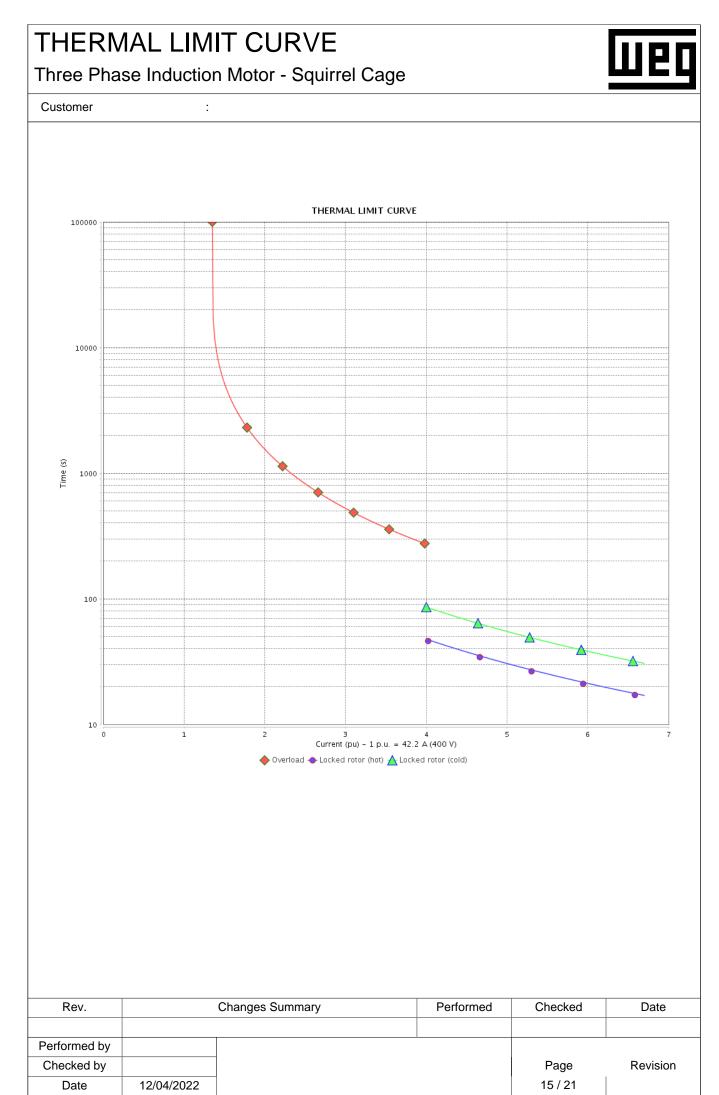
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line	:	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14496818	14496818		
				Catalog # :		04018OT3E324TS-W40		
Performance		400 V 50 Hz 4P IE3		Character (1)	5.00			
Rated current LRC		42.2 A 6.7	Duty cycle	of inertia (J) e	: 5.69 sq.ft.lb : Cont.(S1)			
Rated torque	: '	106 ft.lb	Insulation	class	: F			
Locked rotor torqu	ie :	260 %	Service fa		: 1.00			
Breakdown torque Rated speed		300 % 1480 rpm	Temperate Design	ure rise	: 80 K : B			
			- 0					
Heating constant Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
Performed by								
Checked by		-			Page	Revision		
Date	12/04/2022	\neg			14 / 21			



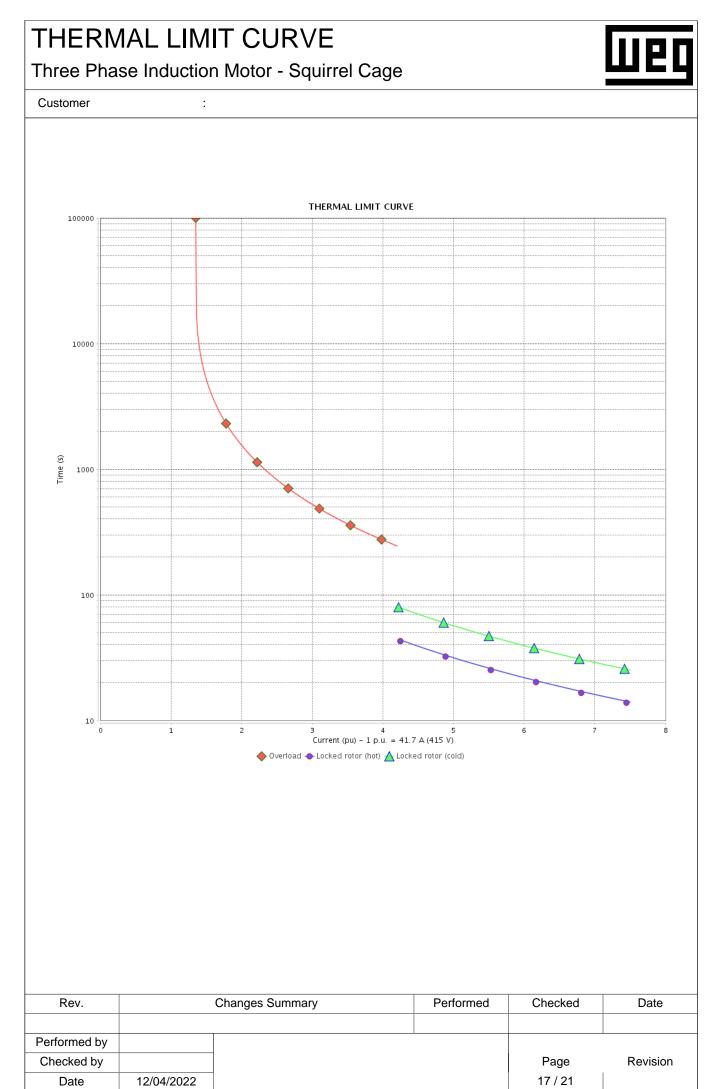
Three Phase Induction Motor - Squirrel Cage

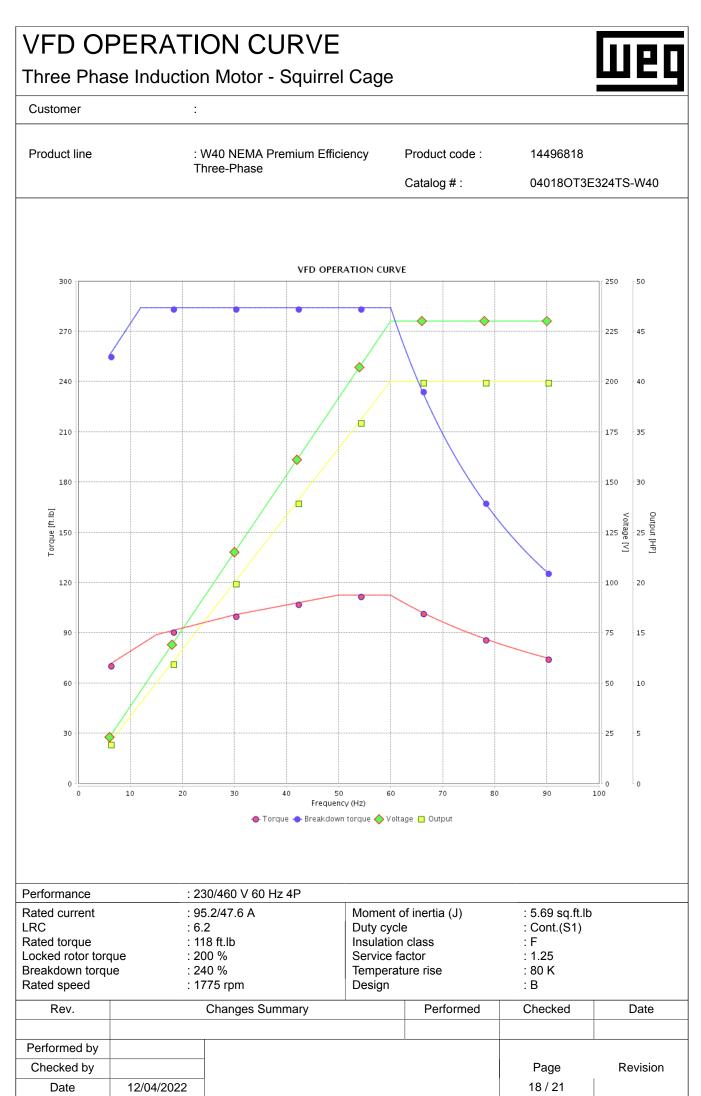
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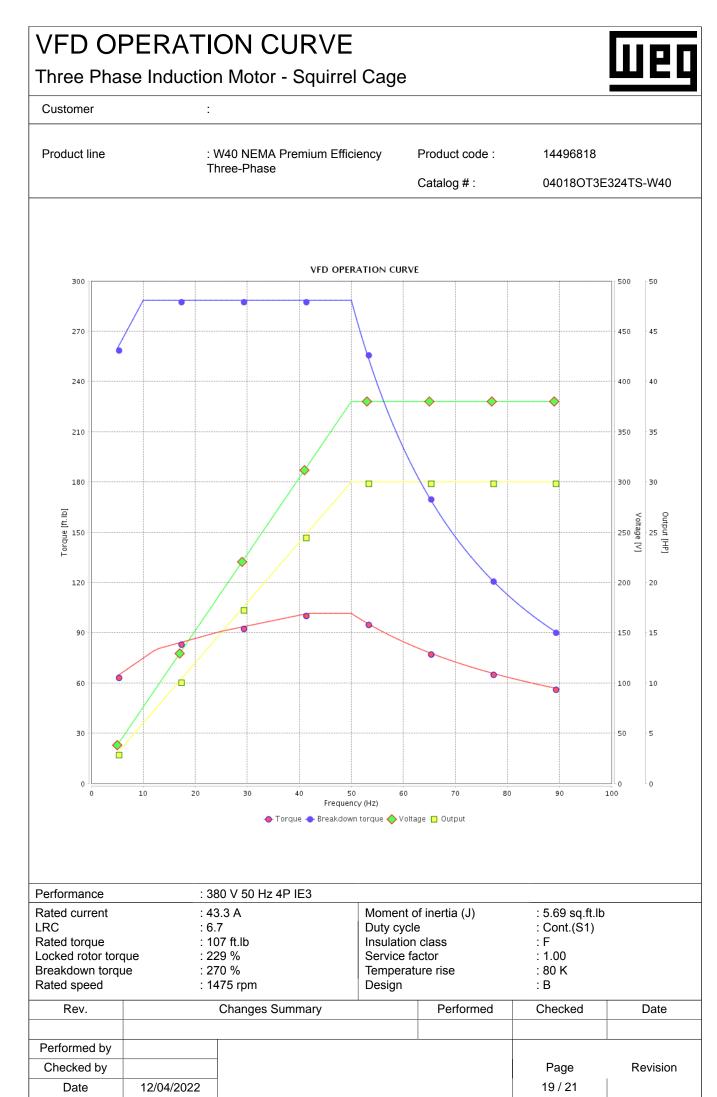


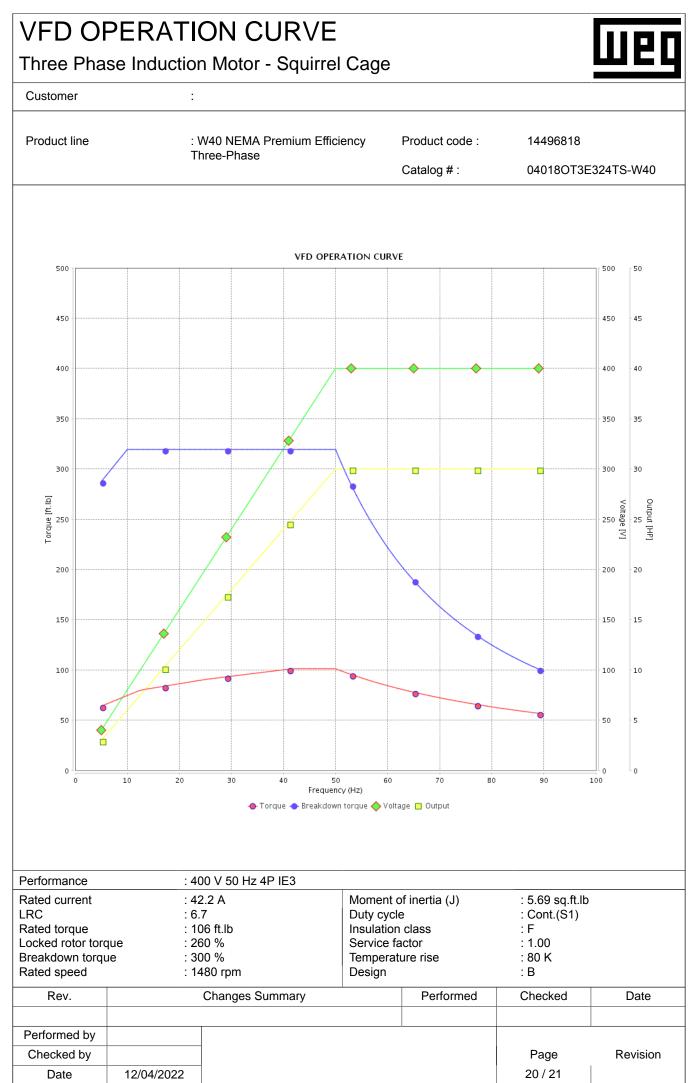
Customer

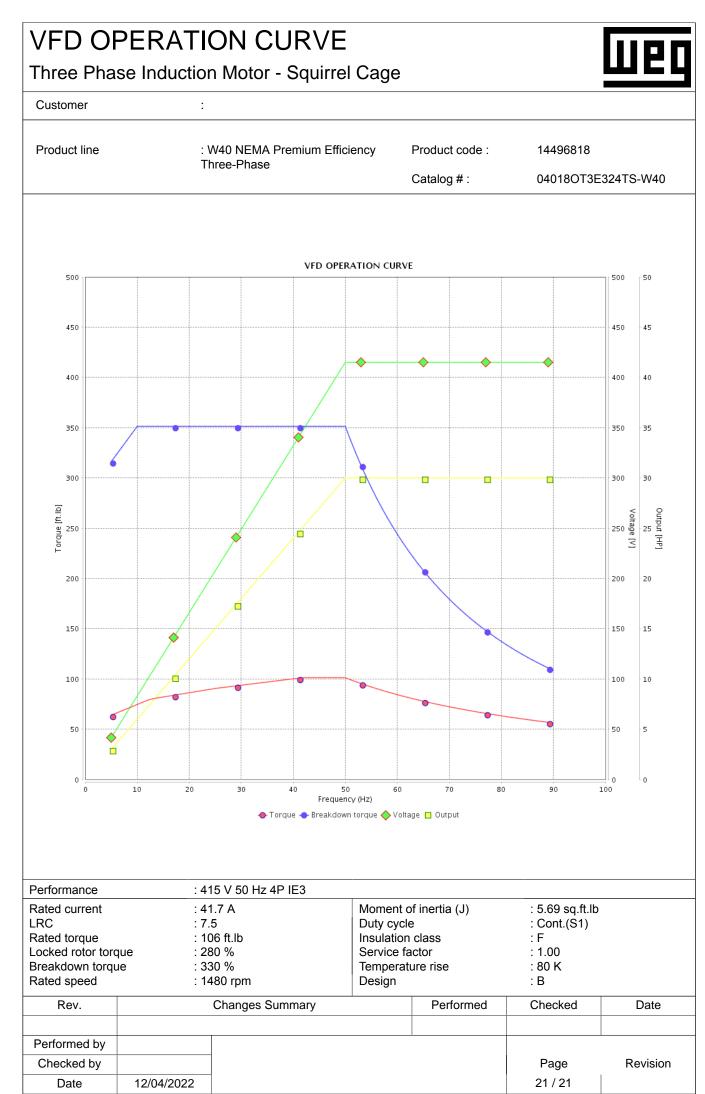
Product line : W40 NEMA P Three-Phase	: W40 NEMA Premium Efficie Three-Phase	Premium Efficiency Product		14496818	1	
				Catalog # :	04018OT3E3	24TS-W40
Performance	: 4	415 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	jue :	41.7 A 7.5 106 ft.lb 280 % 330 % 1480 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 5.69 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
Cooling constant Rev.	L	Changes Summary		Performed	Checked	Date
Performed by						
Checked by Date	12/04/2022	_			Page 16 / 21	Revision

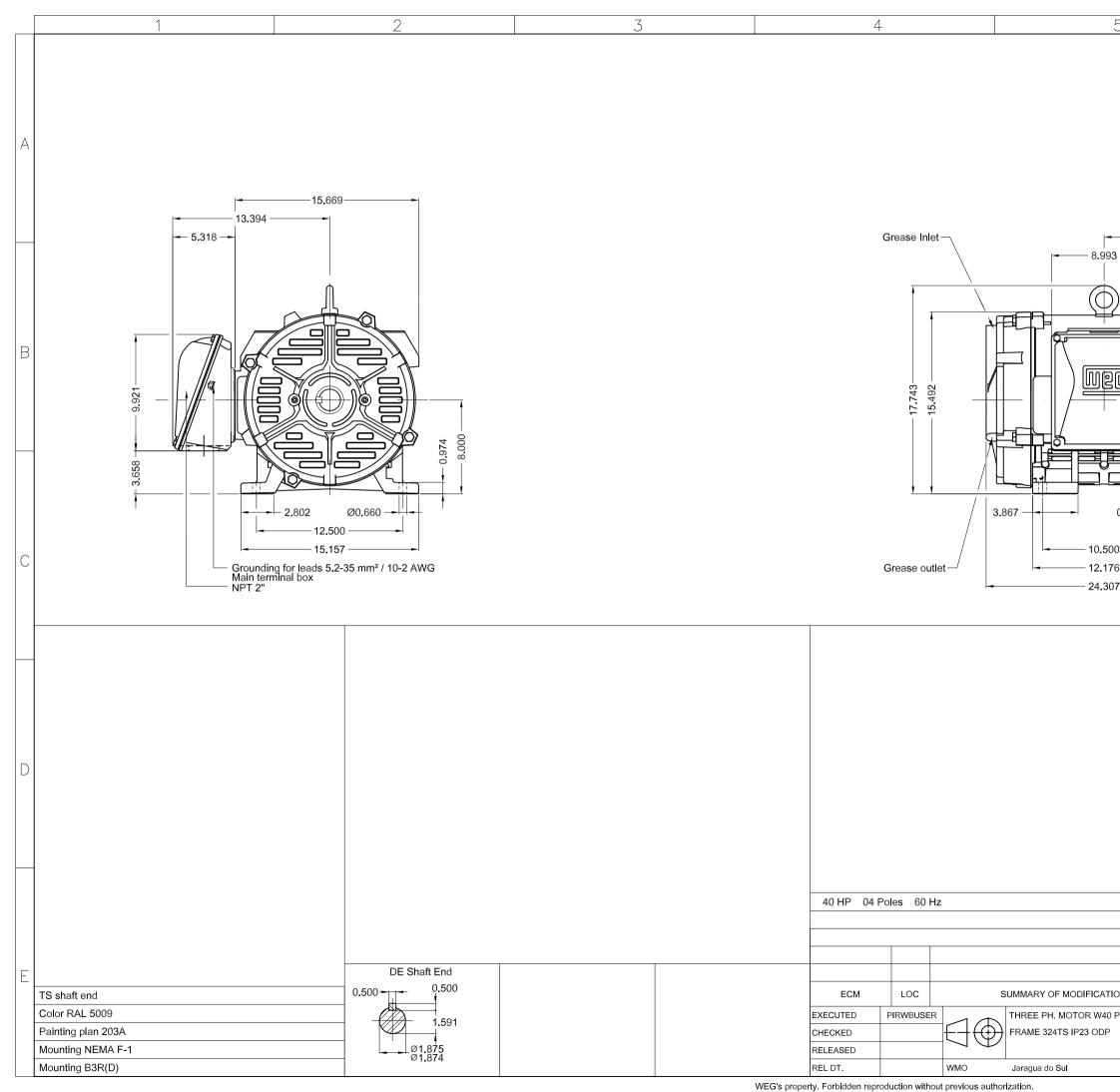












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A II:8 IIIII:8 IIII:8 IIII:8 III							
					1:8	A	Dimensions in inches
	ONS	EXECUTED	CHECKED	RELEASED	DATE	VFR	
				~ • •			A3
Product Engineering SHEET 1 / 1	Product I	Engineering		1 / 1			XME

