# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

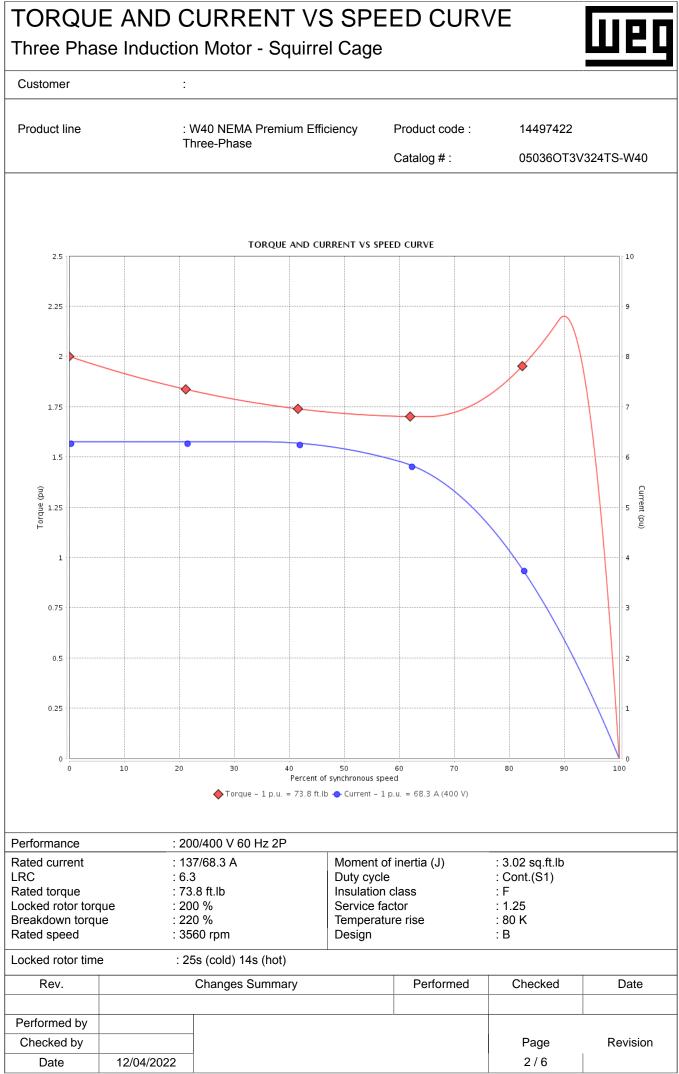
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#### Customer

Product line		: W40 NEMA Premium Efficier Three-Phase		ency P	roduct code :	14497422		
		11166	1 11030		С	atalog # :	05036OT3V	324TS-W40
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torq Breakdown torque Insulation class Service factor Moment of inertia Design	e	: 2 : 60 F : 200/ : 137/ : 861/ : 6.3x : 51.7 : 3560 : 1.11 : 73.8 : 200 : 220 : F : 1.25	HP (37 kW) Hz (400 V (68.3 A (430 A (Code G) 7/25.9 A 0 rpm % 8 ft.lb % %		Locked ro Tempera Duty cycl Ambient Altitude Protectio Cooling r Mounting Rotation <sup>1</sup> Noise lev Starting r Approx. N	ture rise le temperature n degree method y vel <sup>2</sup> method	: 25s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP23 : IC01 - OD : F-1 : Both (CW : 75.0 dB(A : Direct On : 416 lb	40°C s.l. P and CCW)
Output	25%	50%	75%	100%	Foundatior	n loads		
Efficiency (%) Power Factor	91.5 0.46	91.7 0.72	93.0 0.81	93.0 0.84	Max. traction Max. comp	on		
Sealing				earing Seal		Without Bearing	Seal	
Lubrication interv Lubricant amoun Lubricant type Notes				558 h 1 g Mol	bil Polyrex E	20000 h 11 g		
Lubricant amoun Lubricant type Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	aces and o d. otor from t m and wit veight sub ocess.	the shaft e	2 previous on nd. e of +3dB(A	1 g Mol	bil Polyrex E	20000 h 11 g M average values l	based on tests wi e tolerances stipu	
Lubricant amoun Lubricant type Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate w manufacturing pro (4) At 100% of full Rev.	aces and o d. otor from t m and wit veight sub ocess.	the shaft e th tolerance ject to cha	2 previous on nd. e of +3dB(A	1 g Mol	bil Polyrex E	20000 h 11 g M average values l		
Lubricant amoun Lubricant type Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of full	aces and o d. otor from t m and wit veight sub ocess.	the shaft e th tolerance ject to cha	previous on nd. e of +3dB(A nges after	1 g Mol	bil Polyrex E	20000 h 11 g M average values l pply, subject to the	e tolerances stipu	lated in NEMA

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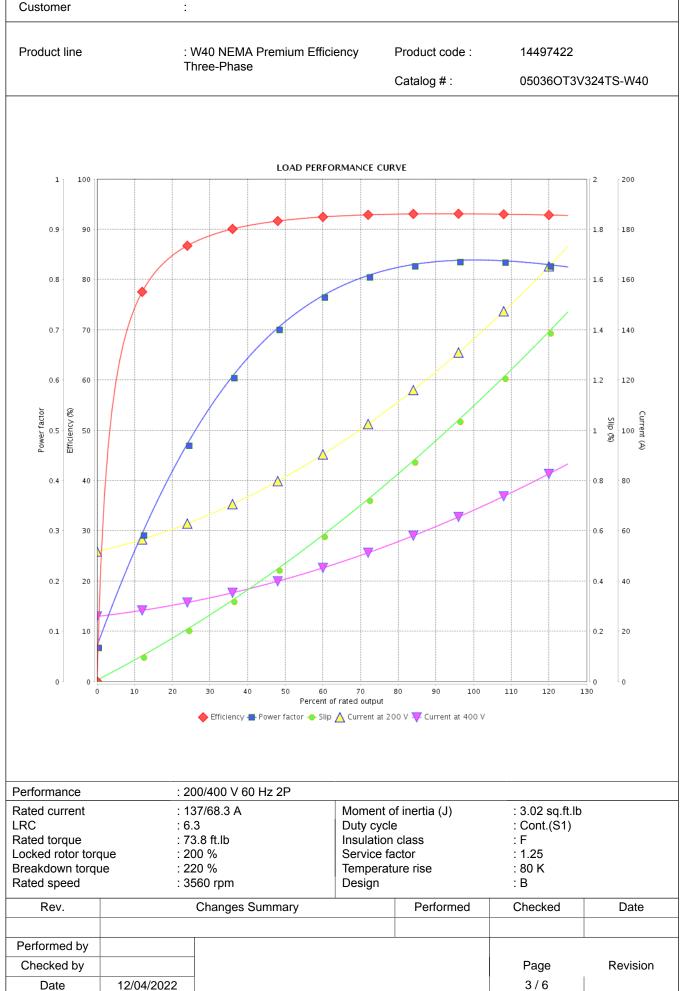
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## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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## THERMAL LIMIT CURVE

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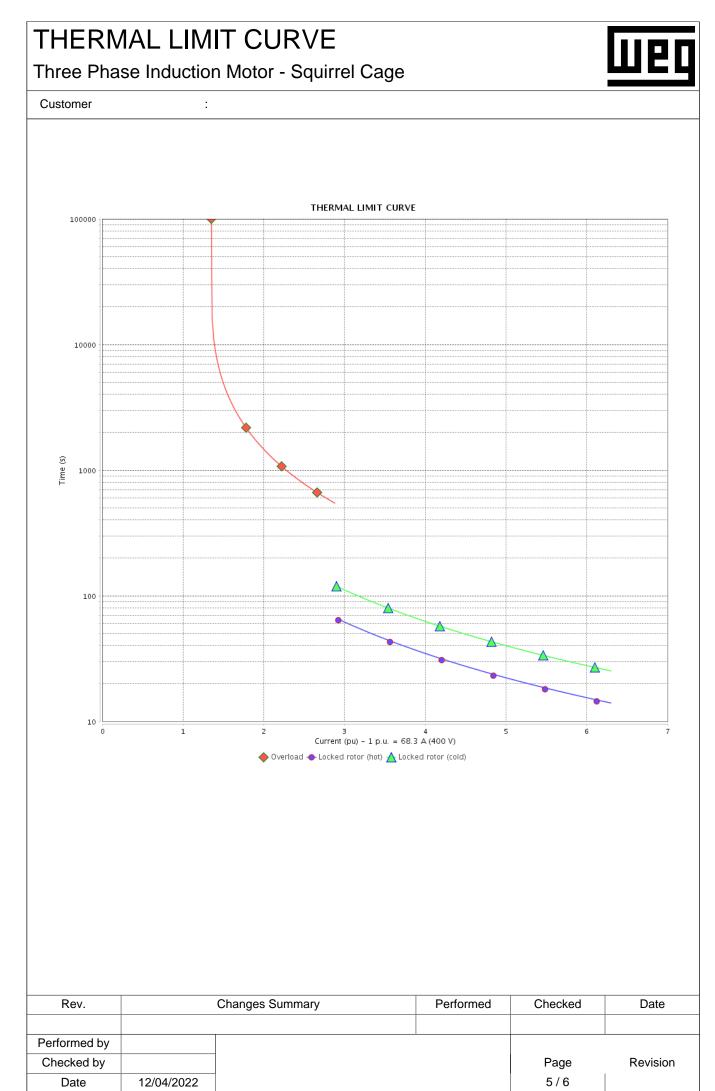
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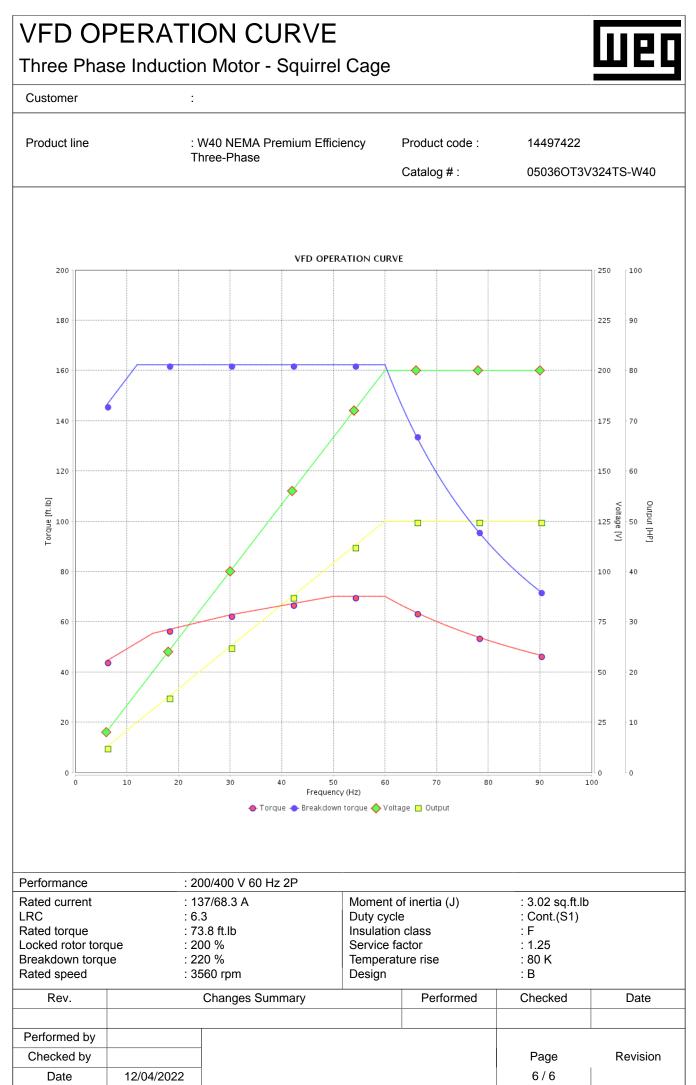
Customer

Product line	:	: W40 NEMA Premium Efficiency		Product code :	14497422			
		Three-Phase		Catalog # :	05036OT3V3	05036OT3V324TS-W40		
Performance Rated current LRC Rated torque Locked rotor torq Breakdown torqu	: 1 : 6 : 7 jue : 2	200/400 V 60 Hz 2P 37/68.3 A 5.3 '3.8 ft.lb 200 % 220 %	Moment o Duty cycle Insulation Service fa Temperatu	class ctor	: 3.02 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K			
Rated speed	: 3	5560 rpm	Design		: B			
Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
		1						
Performed by		_			_	<b>–</b>		
Checked by					Page	Revision		
Date	12/04/2022				4/6			

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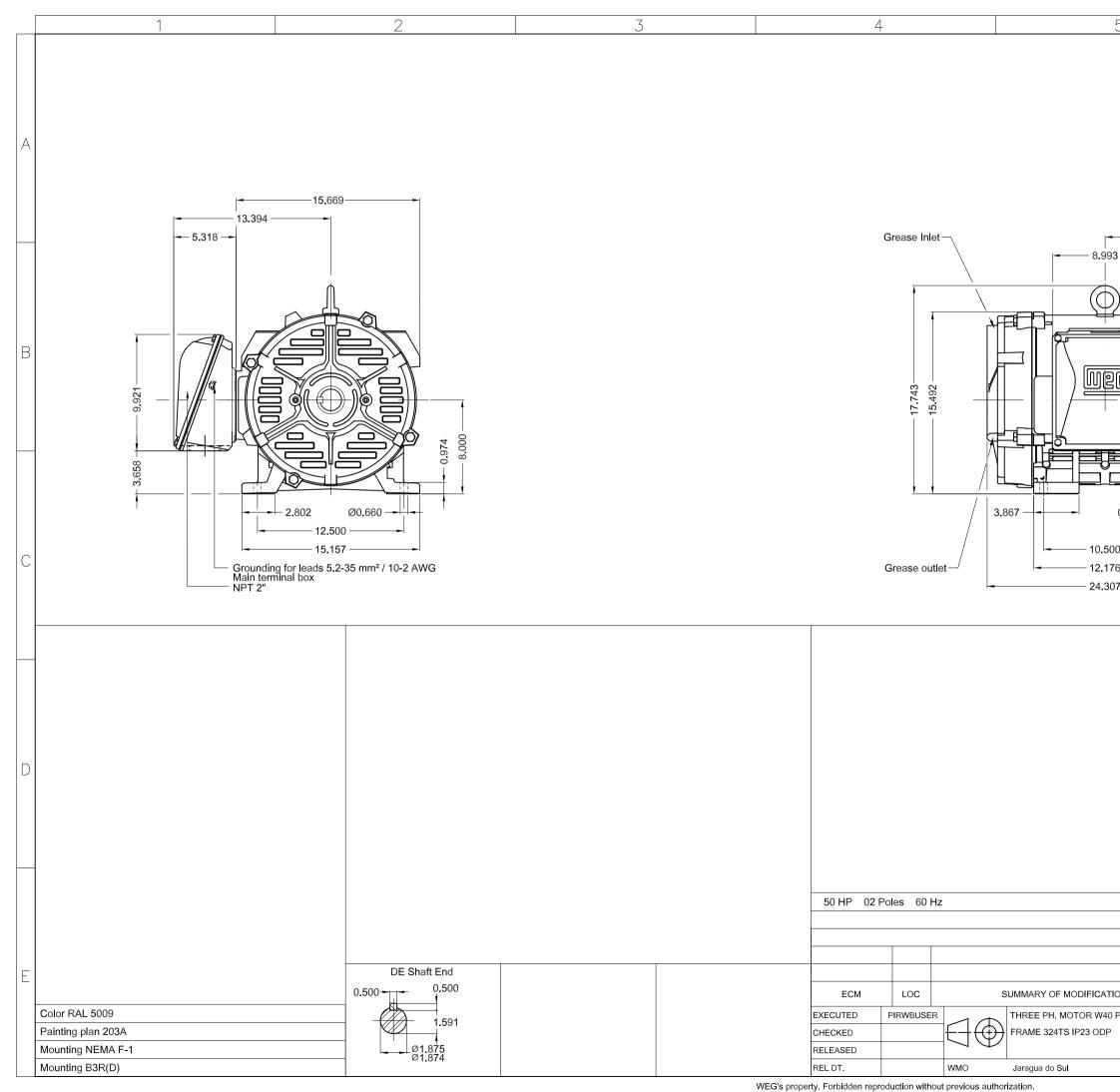


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A A A A A A A A A A A A A A A A A A A						
				1:8	A	Dimensions in inches
				DATE		
WDD     Late Late Late       Product Engineering     SHEET     1 / 1						A3
	Deceluio	t Engineering	1 / 1		4	
		. Engineering	 · / '		]	×

