DATA SHEET

Three Phase Induction Motor - Squirrel Cage

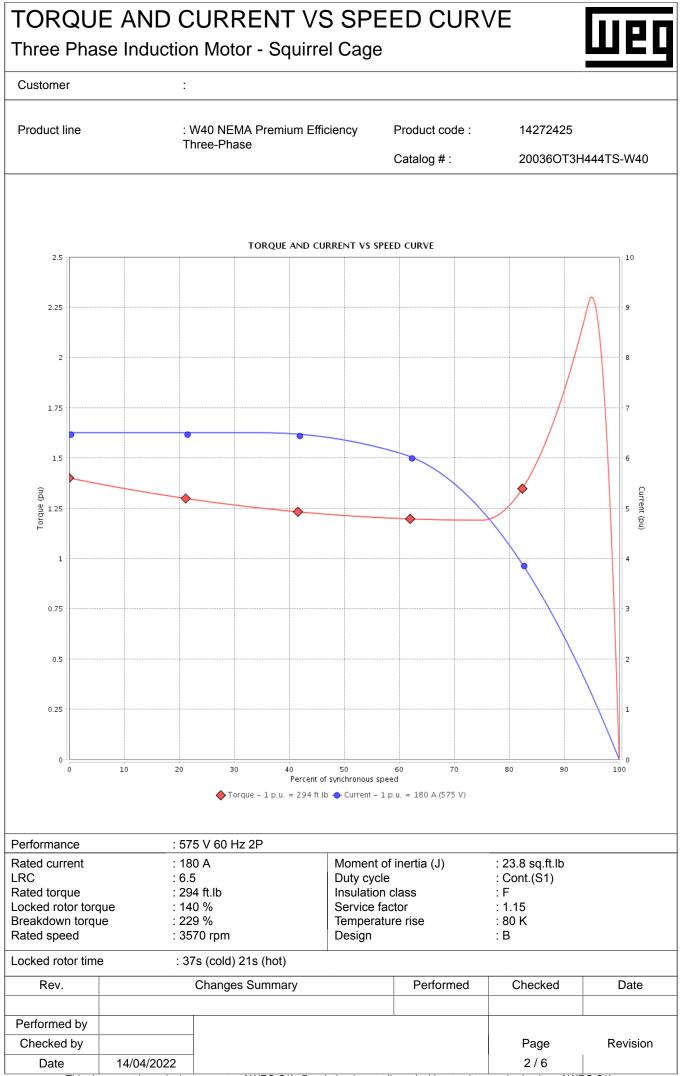
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Customer

Product line		: W40 NEMA Premium Efficie Three-Phase			•	14272425 20036OT3H	14272425 20036OT3H444TS-W40	
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor toro Breakdown torqu Insulation class		: 2 : 60 F : 575 : 180 : 1170 : 6.5x : 53.6 : 3570 : 0.83 : 294 : 140 : 229 : F	HP (150 k Iz V A) A (Code G) A) rpm 9 % ft.lb % %	:W)	Catalog # : Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method Approx. weight ³	20036OT3H : 37s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP23 : IC01 - OD : F-1 : Both (CW : 85.0 dB(A : Direct On : 1267 lb	21s (hot) 40°C s.I. P and CCW)	
Service factor Moment of inertia Design	a (J)	: 1.15 : 23.8 : B	sq.ft.lb					
Output	25%	50%	75%	100%	Foundation loads			
Efficiency (%) Power Factor	92.4 0.54	93.0 0.79	94.5 0.86	95.0 0.88	Max. traction Max. compression	: 1170 lb : 2437 lb		
Lubrication interv Lubricant amour Lubricant type Notes		:		1418 h 27 g Mol	20000 h 13 g bil Polyrex EM			
This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. otor from Im and wit weight sub ocess.	the shaft e	nd. e of +3dB(A).	These are average value power supply, subject to MG-1.			
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pro-	ed. otor from Im and wit weight sub ocess.	the shaft e th toleranc oject to cha	nd. e of +3dB(A).	power supply, subject to			
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pro (4) At 100% of ful	ed. otor from Im and wit weight sub ocess.	the shaft e th toleranc oject to cha	nd. e of +3dB(nges after	A).	power supply, subject to MG-1.	the tolerances stipu	lated in NEM	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate manufacturing pro (4) At 100% of ful	ed. otor from Im and wit weight sub ocess.	the shaft e th toleranc oject to cha	nd. e of +3dB(nges after	A).	power supply, subject to MG-1.	the tolerances stipu	lated in NEM	
must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pr (4) At 100% of ful Rev.	ed. otor from Im and wit weight sub ocess.	the shaft e th toleranc oject to cha	nd. e of +3dB(nges after	A).	power supply, subject to MG-1.	the tolerances stipu	lated in NEM	

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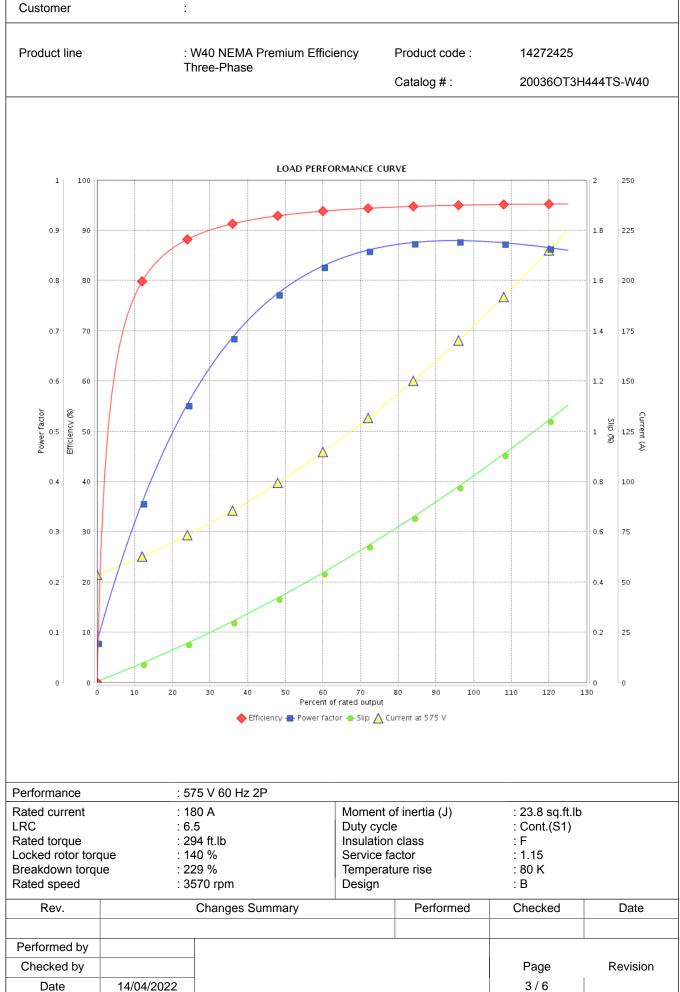


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LOAD PERFORMANCE CURVE

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THERMAL LIMIT CURVE

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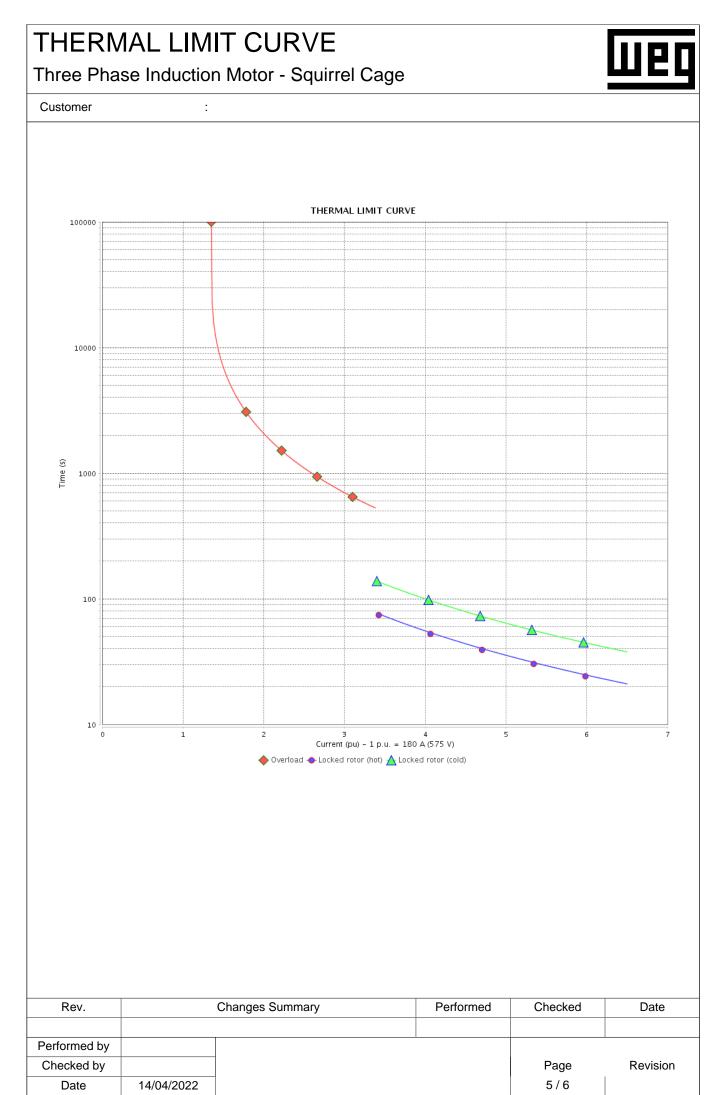


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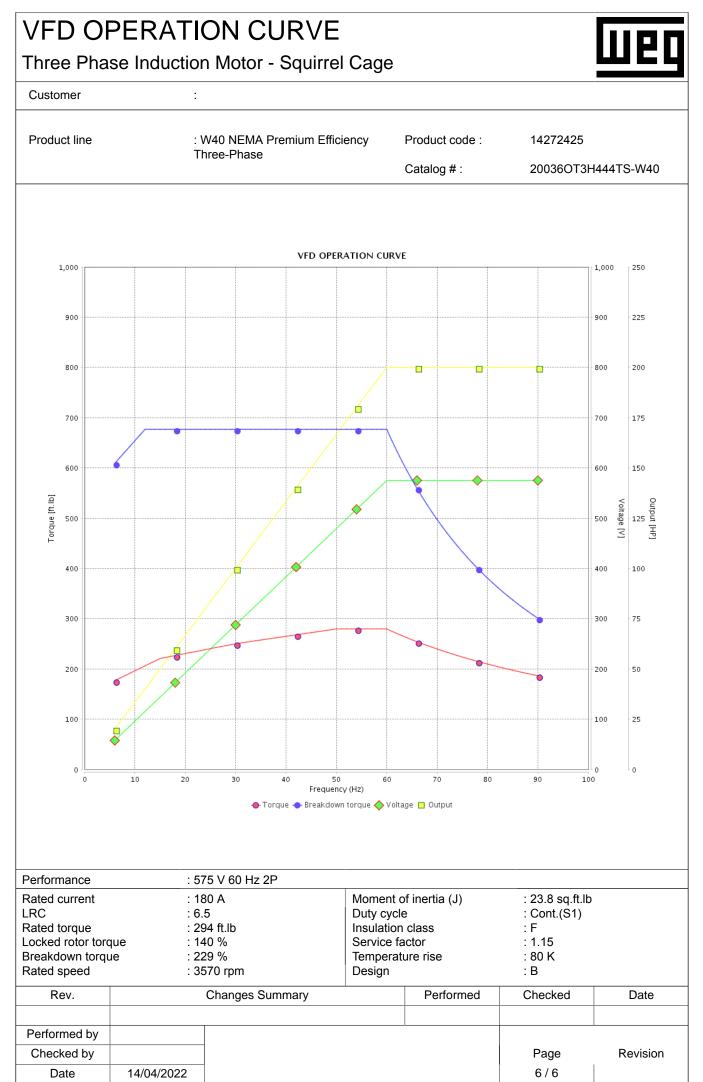
Product line		: W40 NEMA Premium Efficie Three-Phase		Product code : Catalog # :	14272425 20036OT3H	444TS-W40
Performance		: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	lne Ie	: 180 A : 6.5 : 294 ft.lb : 140 % : 229 % : 3570 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 23.8 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant		Changes Summers		Dorformed	Chaolysed	Data
Rev.		Changes Summary		Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	14/04/2022		4 / 6	
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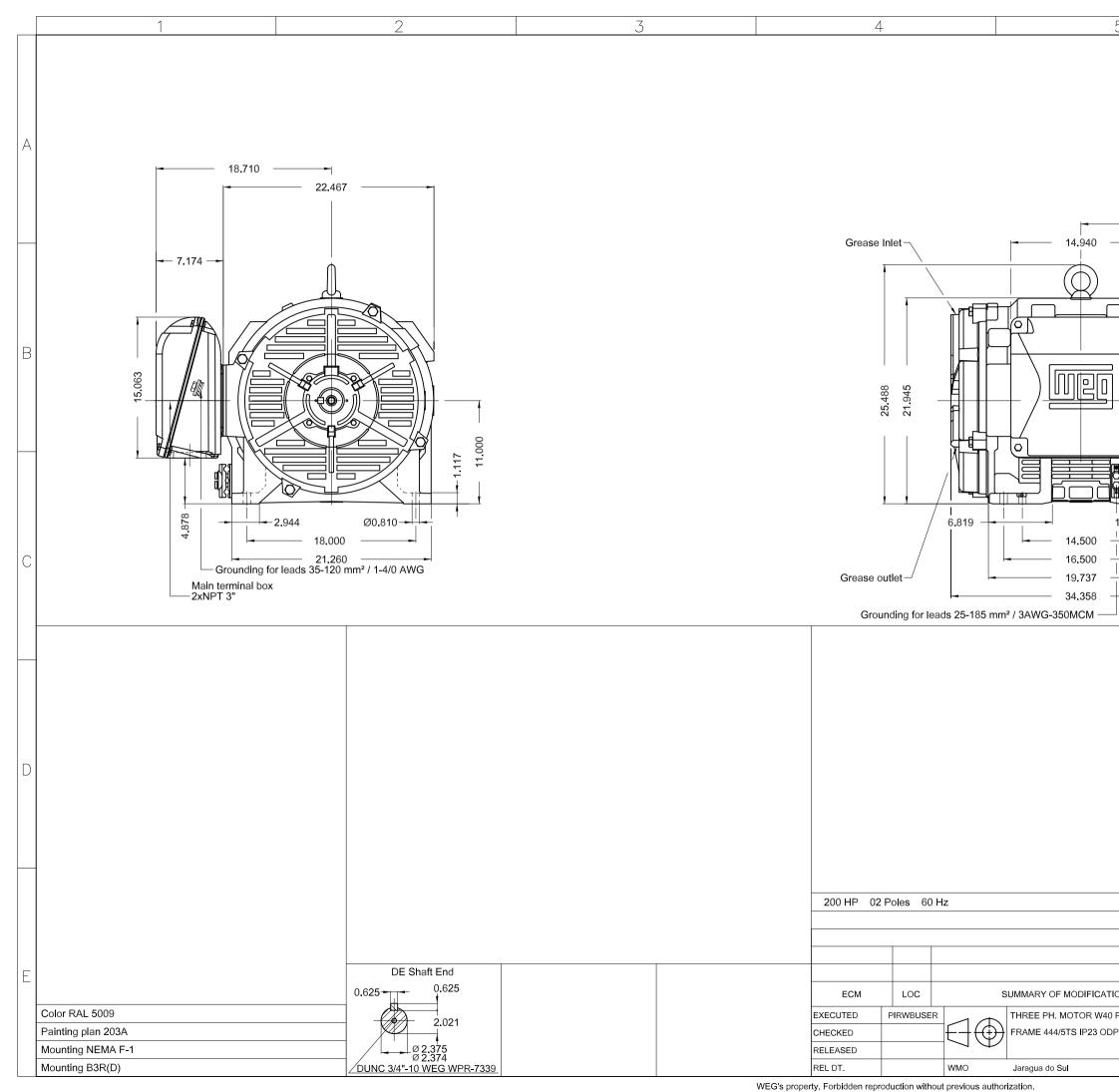


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5			6		
- 15.750		Grease Inlet			
				1:10	Dimensions in inches
	EXECUTED			DATE	
		CHECKED	RELEASED	DATE	VER
		יירחח			
PREM. EFF.		PREVI	EW		P3
PREM. EFF. P		PREVI WDD	EW	ШВ	XME A3

