# DATA SHEET

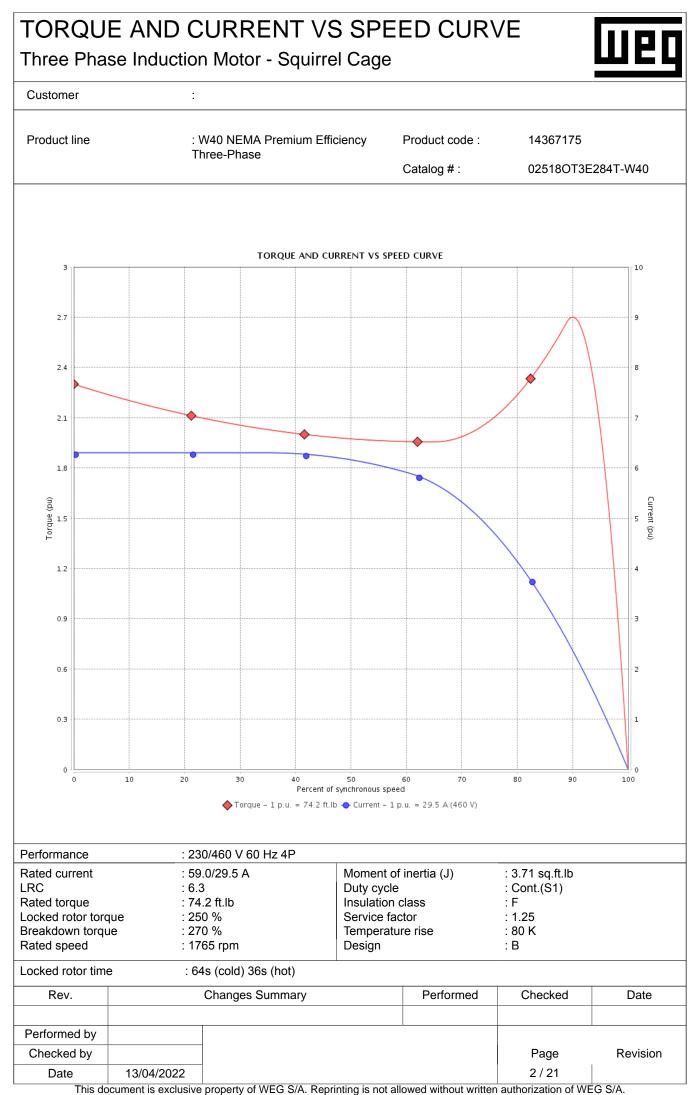
Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: W40 NEMA Premium Efficiency		ncy Pr	Product code :		14367175	
		Three-Phase		Ca	atalog # :	025180	DT3E284T-W40	
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design		: 284T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling m Mounting Rotation <sup>1</sup> Starting m Approx. w Moment o	ethod		CW and CCW) On Line	
Output [HP]		25		20	20		20	
Poles		4		4	4		4	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	400		415	
Rated current [A]		59.0/29.5		29.5	28.		28.0	
. R. Amperes [A]		372/186		171	192		190	
RC [A]		6.3x(Code G)	5.8	Bx(Code G)	6.7x(Co		6.8x(Code J)	
No load current [A	.]	22.0/11.0		10.0	11.		12.0	
Rated speed [RPN		1765		1465	147		1475	
Slip [%]	-	1.94		2.33	2.0		1.67	
Rated torque [ft.lb	]	74.2		71.4	71.		71.2	
ocked rotor torqu		250		229	250		270	
Breakdown torque		270		250	290		300	
Service factor		1.25		1.00	1.0		1.00	
Temperature rise		80 K		80 K	80		80 K	
ocked rotor time		64s (cold) 36s (hot)	70s (o	cold) 39s (ho	t) 64s (cold)	36s (hot)	61s (cold) 34s (hot)	
Noise level <sup>2</sup>		64.0 dB(A)		, ,		. ,		
	25%	92.8	91.5		91.		91.5	
Efficiency (9/)	50%	93.0	91.7		91.	7	91.7	
Efficiency (%)	75%	93.6	92.1		92.	1	92.1	
	100%	93.6	92.1		92.	1	92.1	
	25%	0.45	0.46		0.4		0.38	
Power Factor	50%	0.69		0.69	0.6		0.62	
	75%	0.80		0.79	0.7		0.74	
	100%	0.84		0.84	0.8	2	0.81	
Bearing type Sealing Lubrication inter- Lubricant amour		: 6311 Z C3 621 : Without Wi Bearing Seal Beari : 20000 h 200	ive end 1 Z C3 thout ng Seal 000 h 1 g	Foundatior Max. tractio Max. comp	on .			
Lubricant type Notes USABLE @208V	65.2A SF 1.							
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec ocess.	ncel the previous one, wh e shaft end. olerance of +3dB(A). ot to changes after	nich				ts with sinusoidal stipulated in NEMA	
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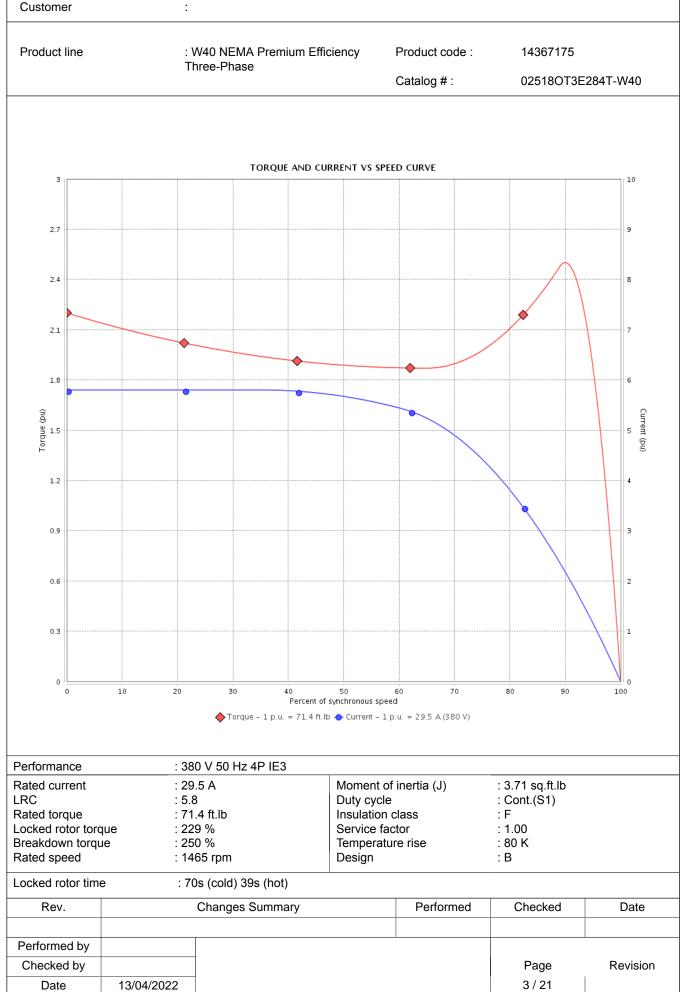


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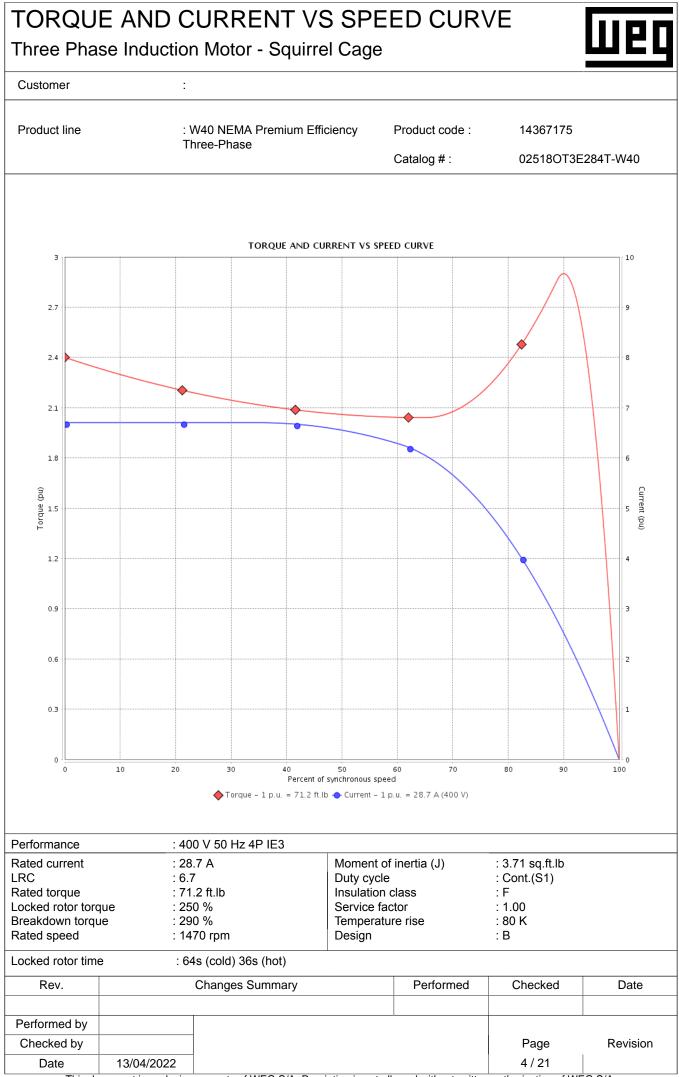
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

### Customer



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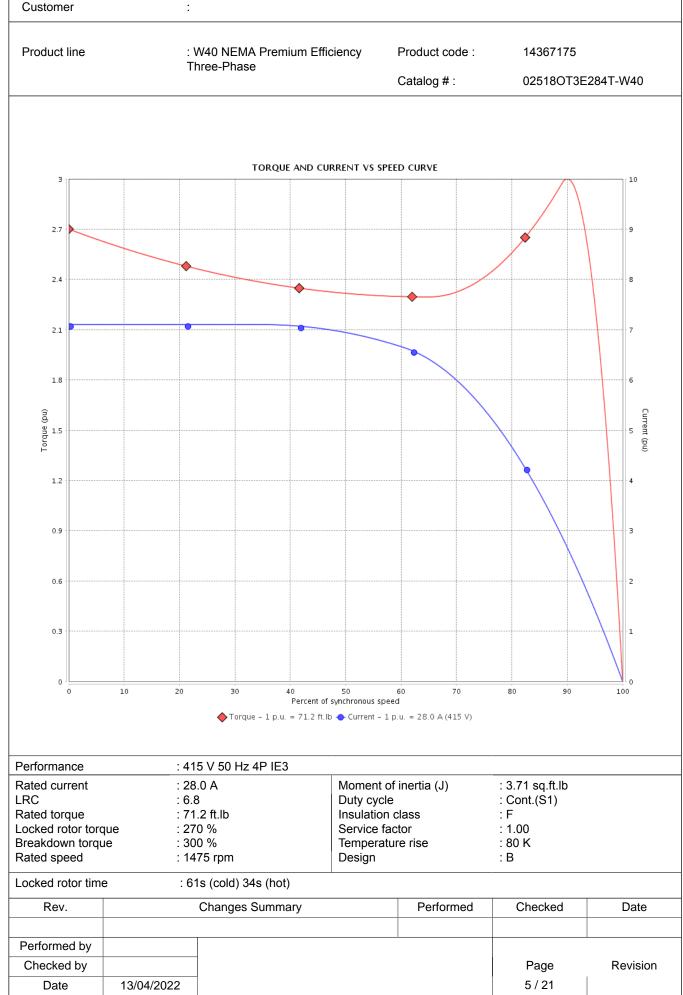


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### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

### Customer



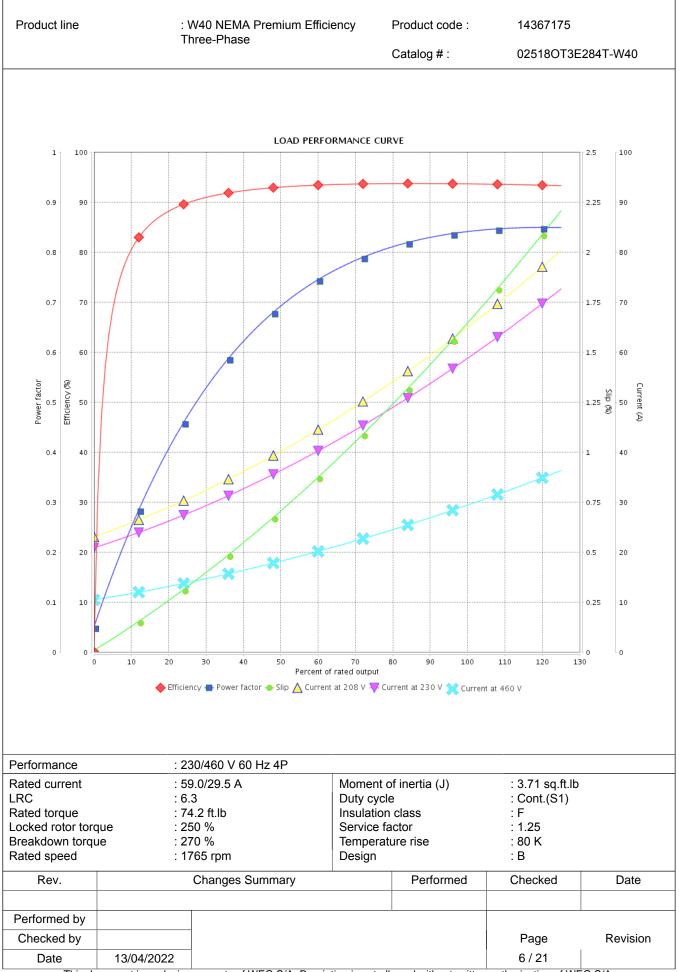
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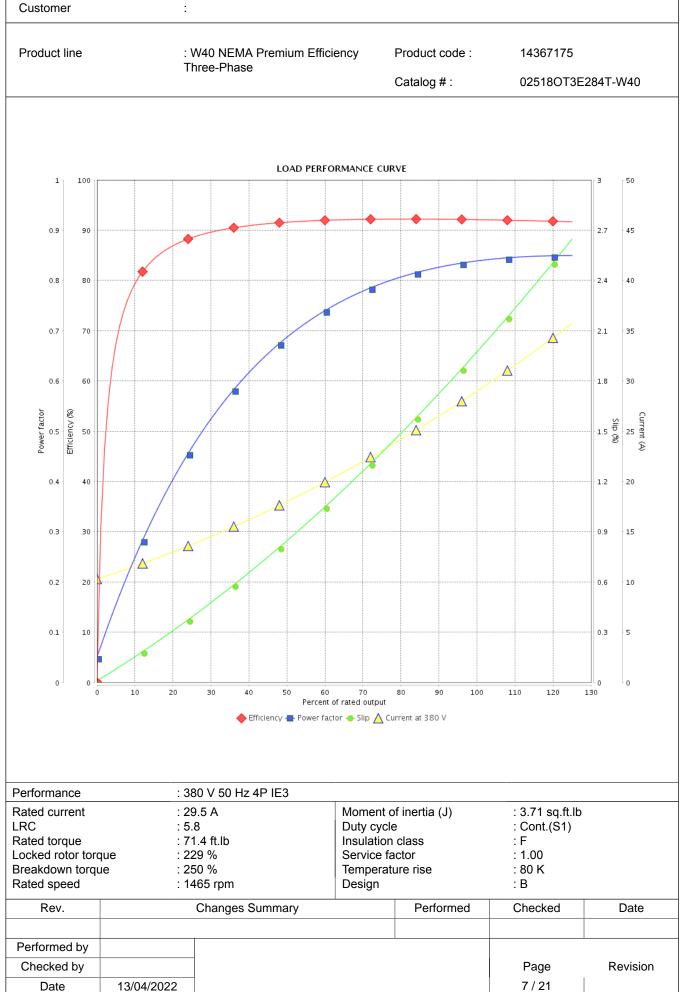


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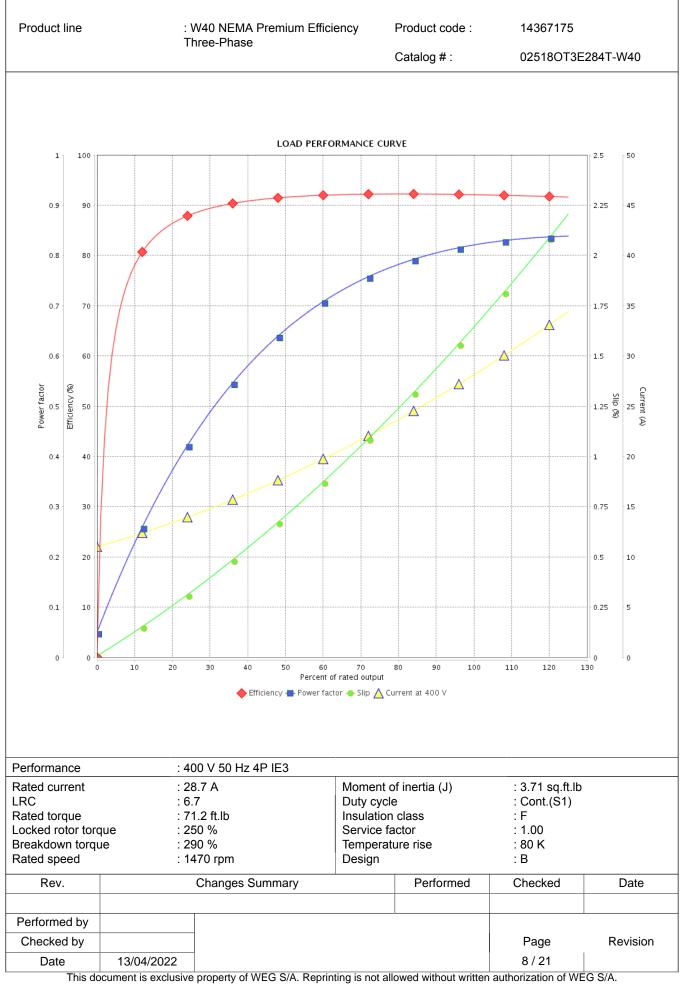
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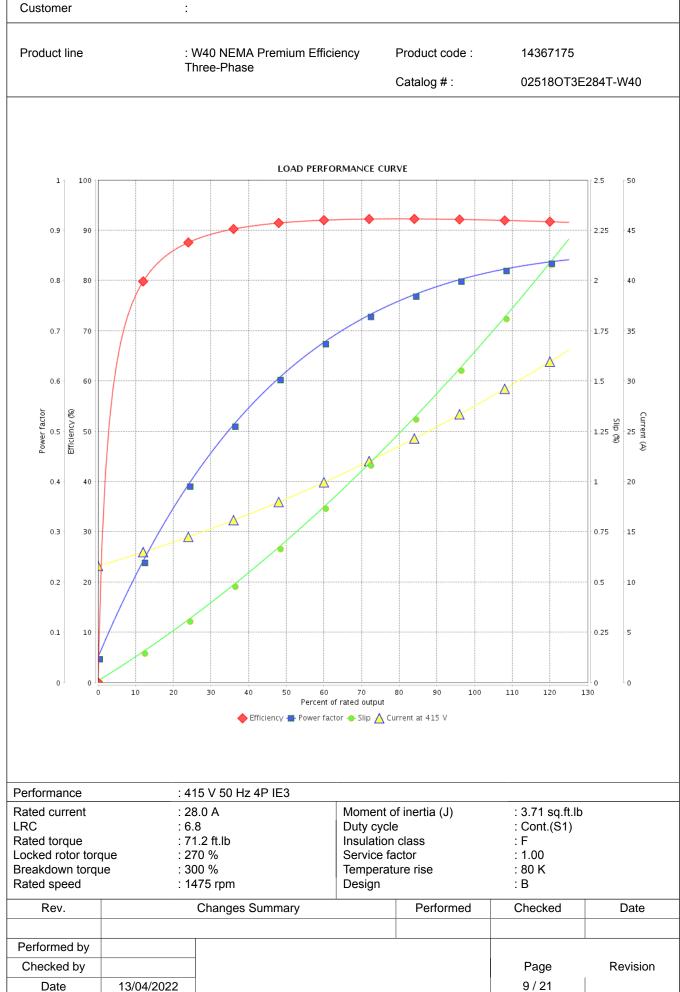


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### Customer



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## THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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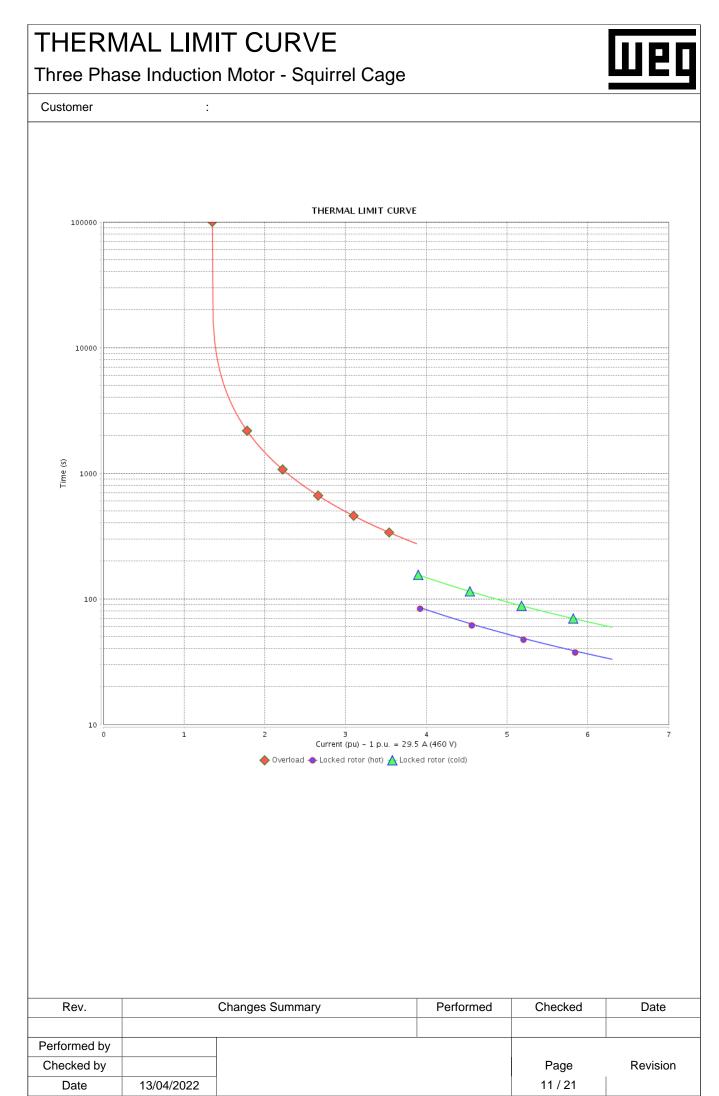


Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14367175	14367175		
	I			Catalog # :	02518OT3E2	84T-W40		
Performance		30/460 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 6 : 7 jue : 2 ie : 2	59.0/29.5 A 5.3 44.2 ft.lb 550 % 770 % 765 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 3.71 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B			
Heating constant	t							
Cooling constant	1							
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# THERMAL LIMIT CURVE

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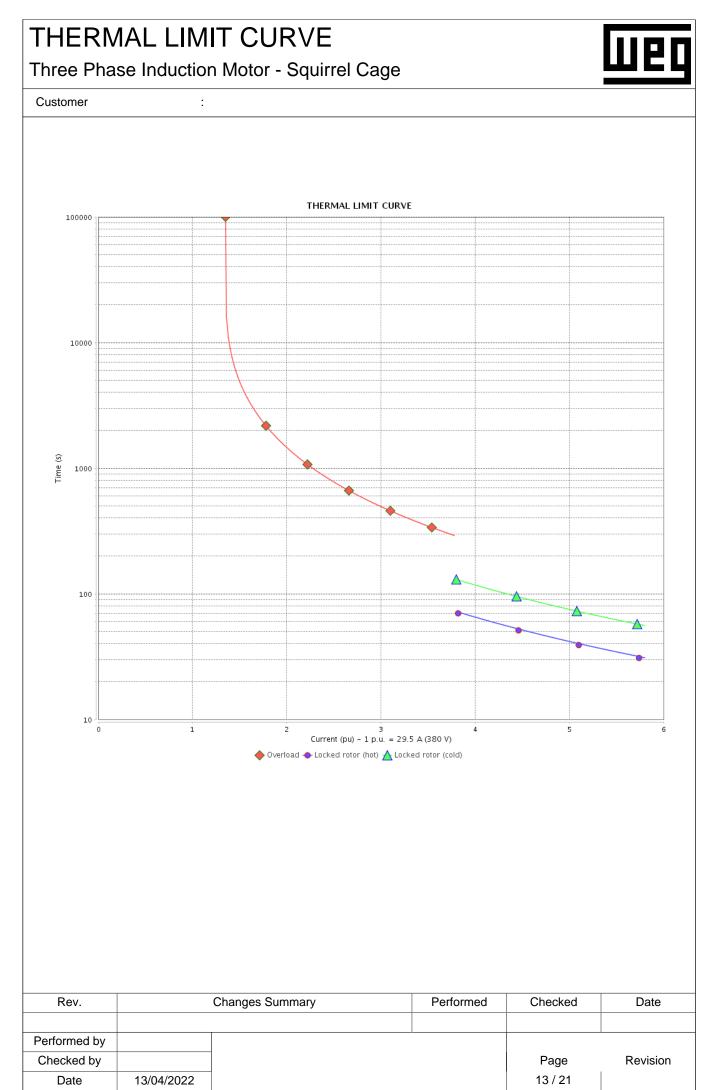
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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14367175	14367175		
	I	THEE-FHASE		Catalog # :	02518OT3E2	284T-W40		
Performance		380 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 5 : 7 jue : 2 ie : 2	29.5 A 5.8 71.4 ft.lb 229 % 250 % 1465 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 3.71 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant			- 0					
Cooling constant								
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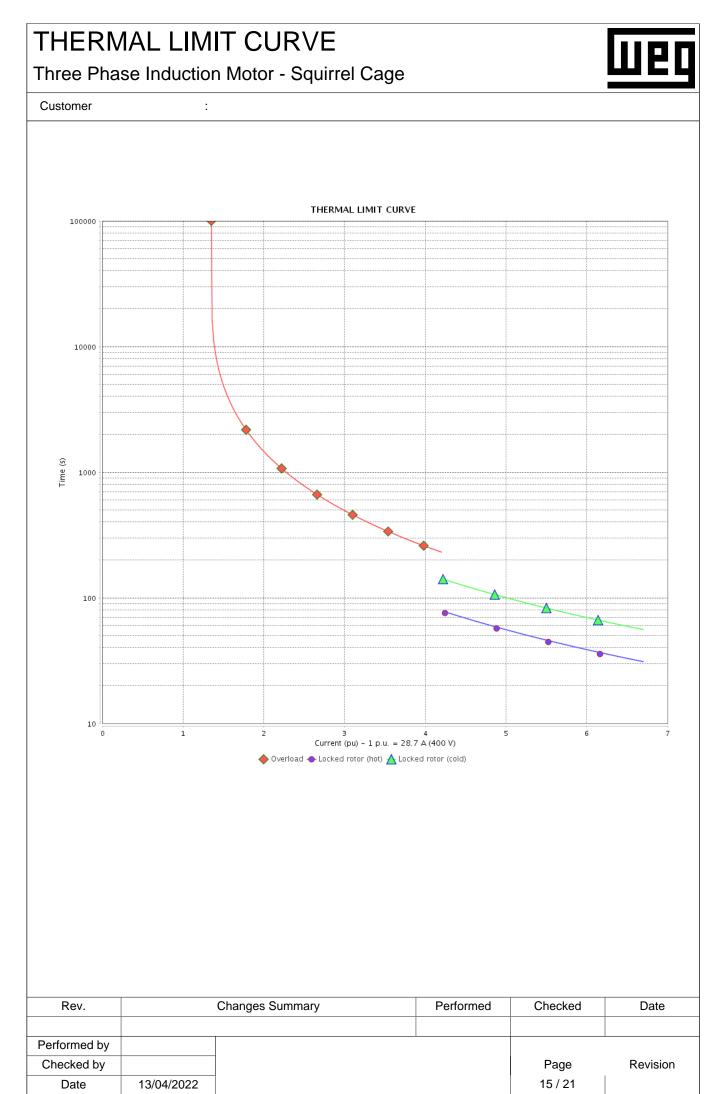


Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14367175		
				Catalog # :	02518OT3E284T-W40		
Performance	: 40	00 V 50 Hz 4P IE3					
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6. : 7' que : 25 Je : 29	8.7 A 7 1.2 ft.lb 50 % 90 % 470 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 3.71 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
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# THERMAL LIMIT CURVE

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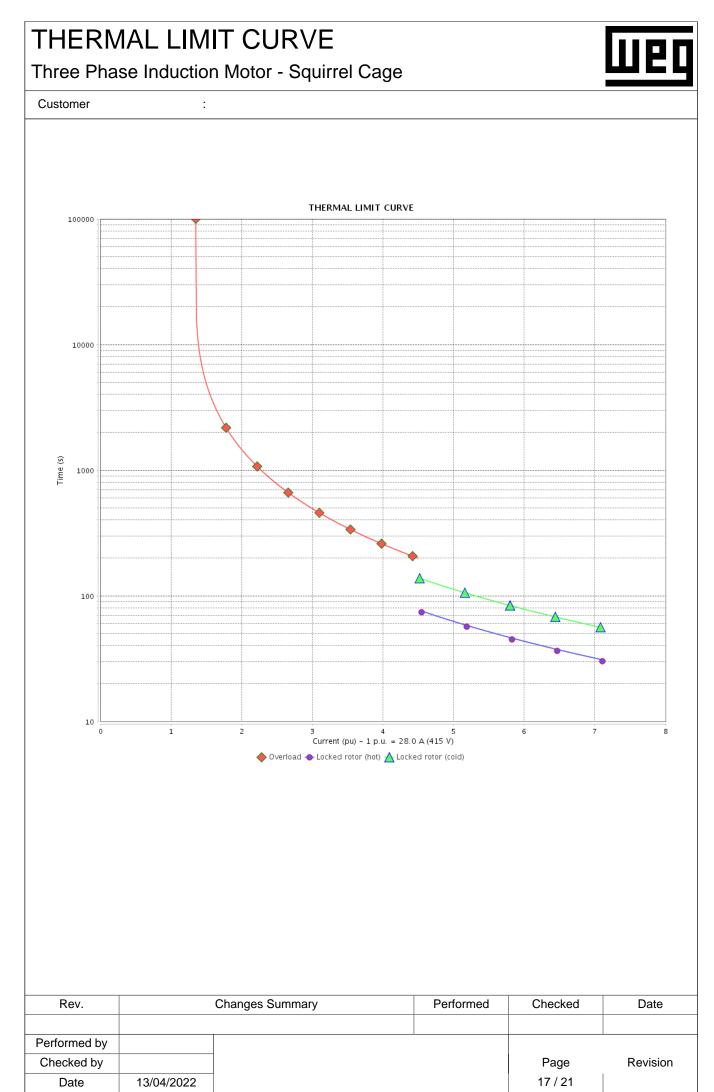
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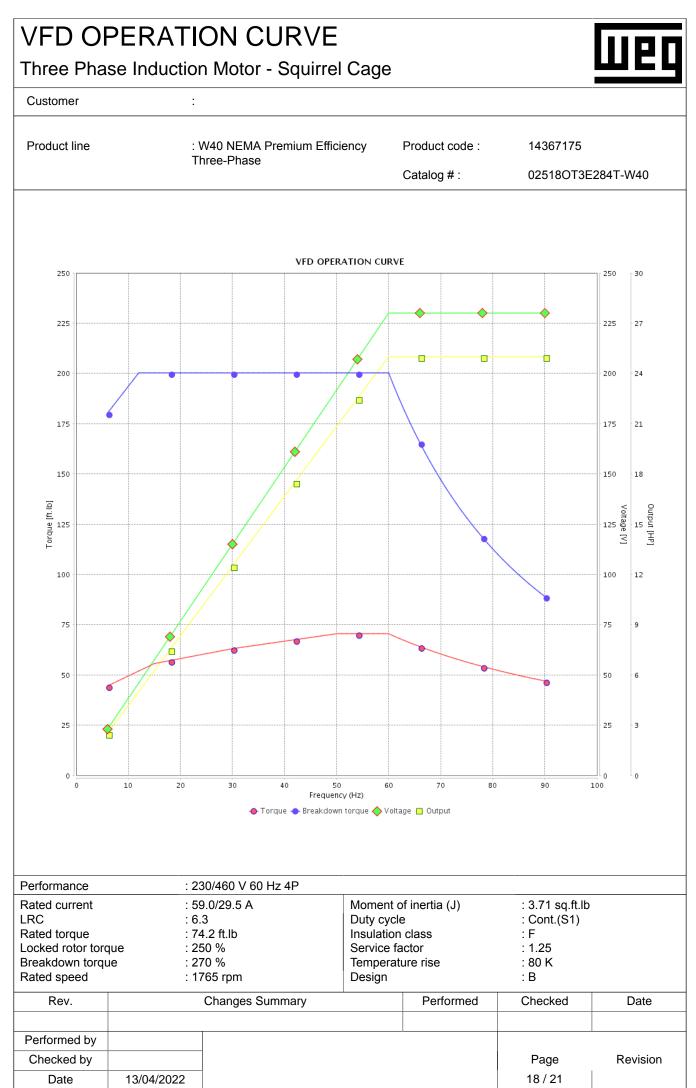


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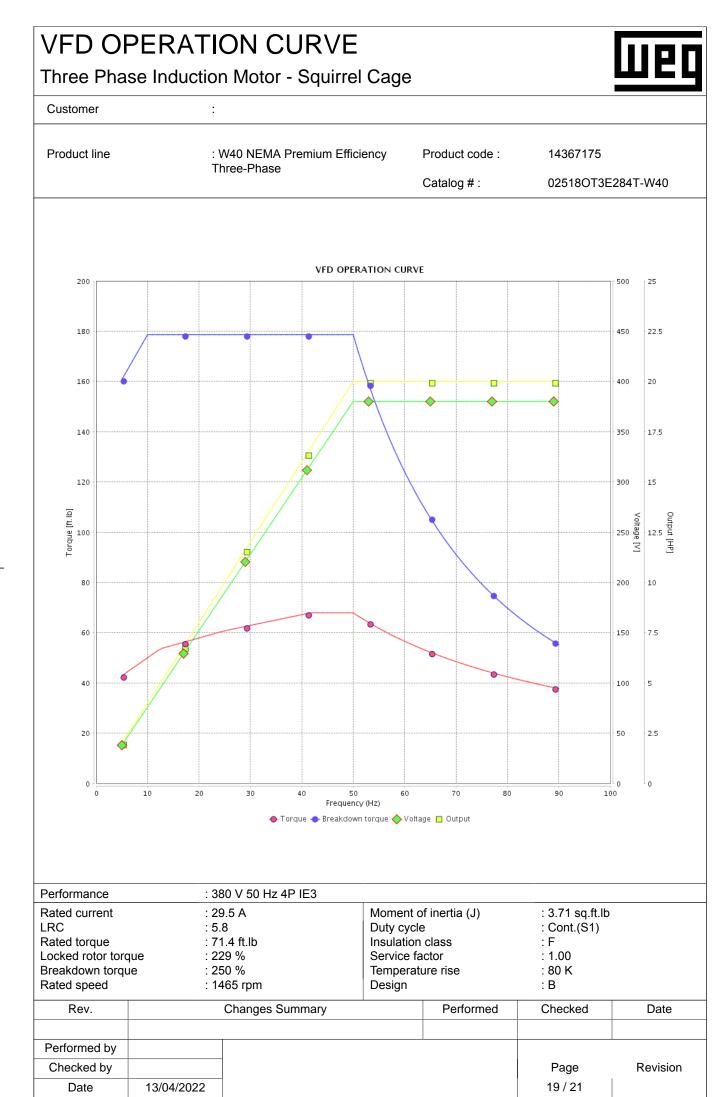
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14367175	14367175		
		IIIIee-Fildse		Catalog # :	02518OT3E2	84T-W40		
Performance		415 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed Heating constant	iue : 2	28.0 A 6.8 71.2 ft.lb 270 % 300 % 1475 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 3.71 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Cooling constant								
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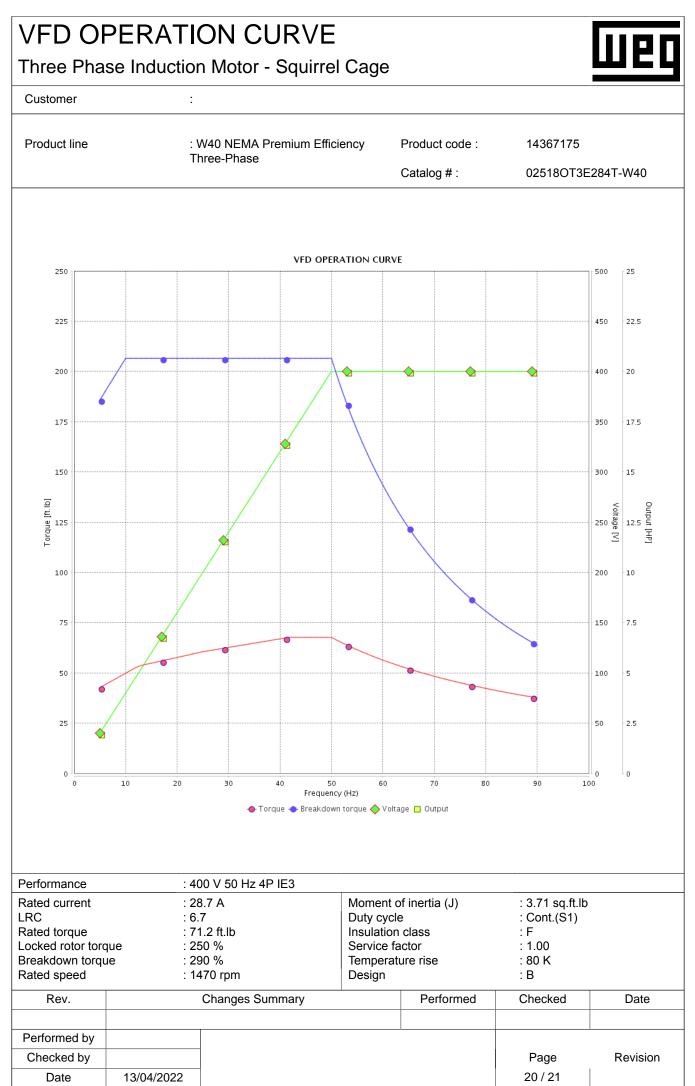




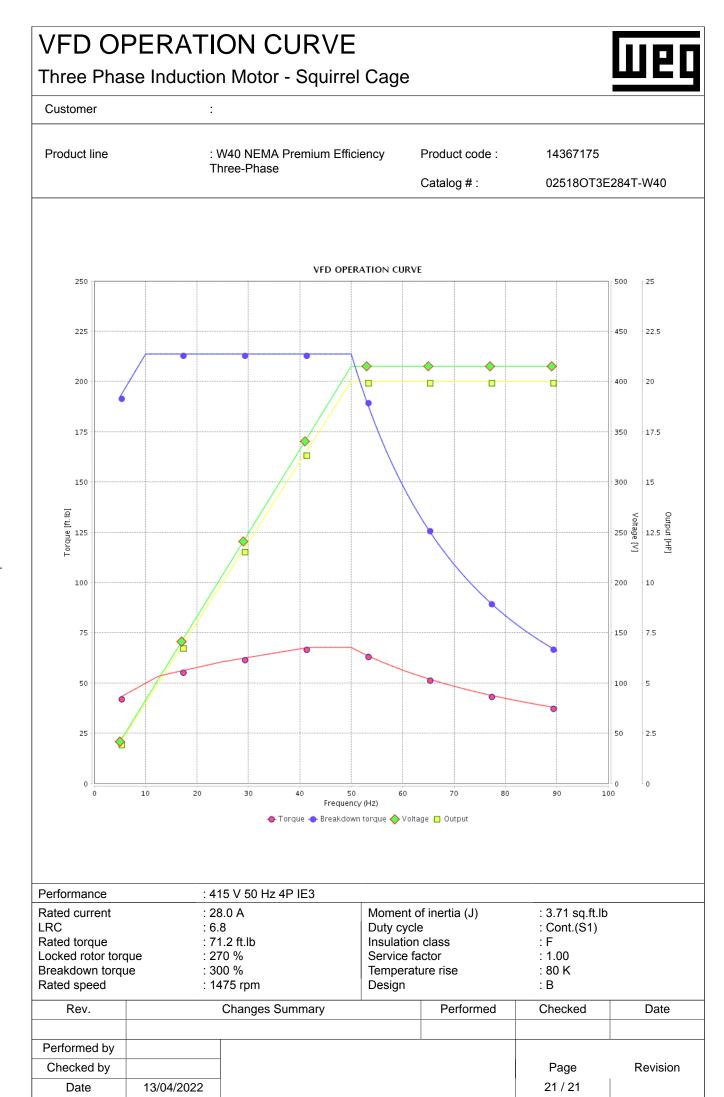
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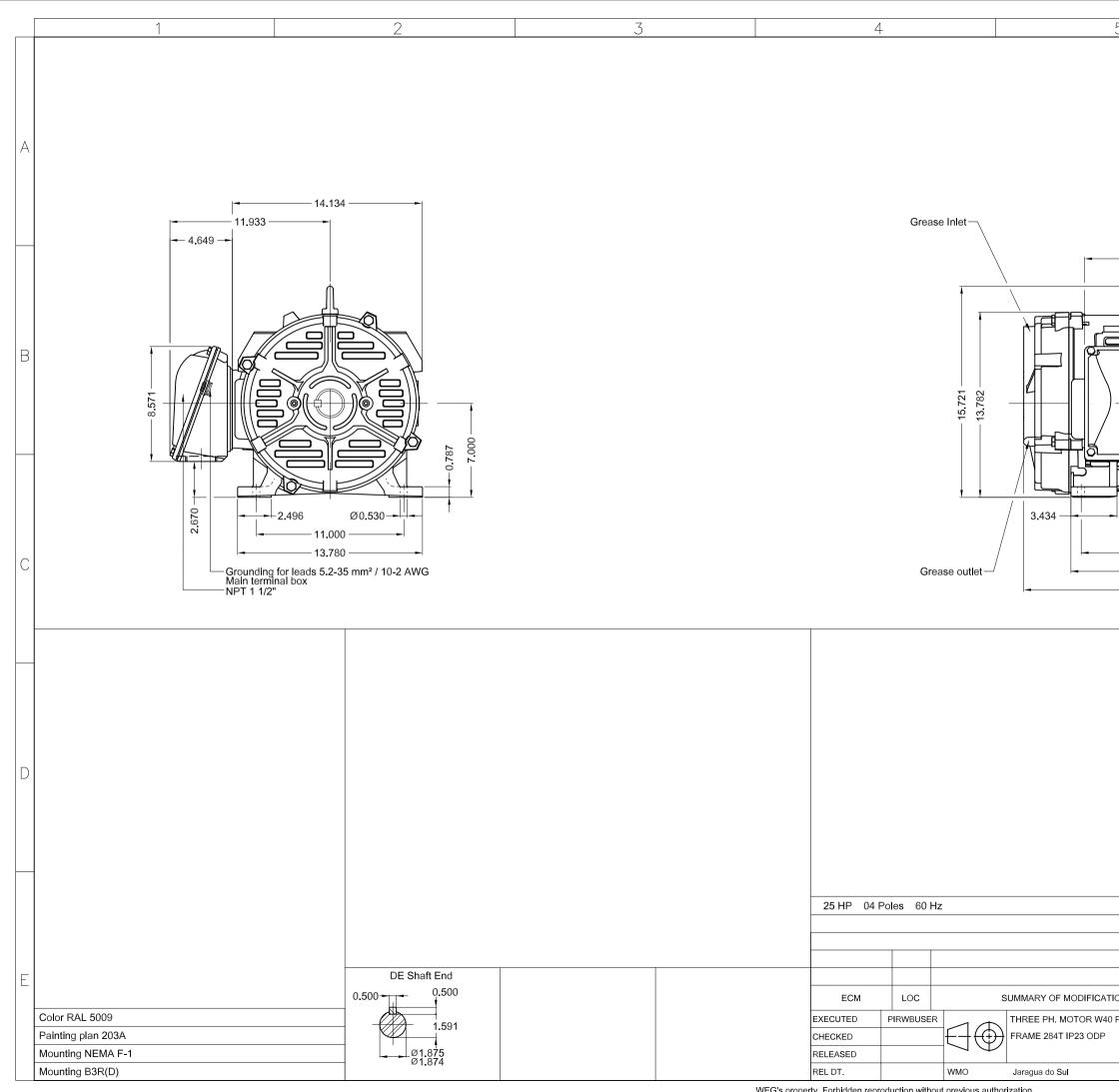
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