# DATA SHEET

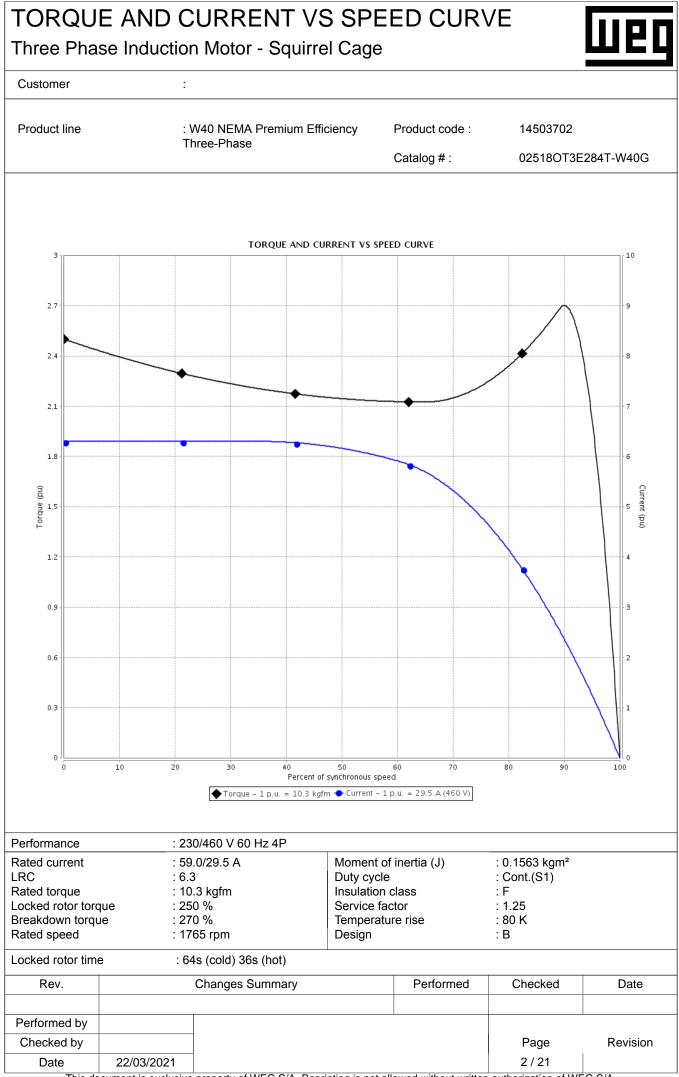
Three Phase Induction Motor - Squirrel Cage

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#### Customer

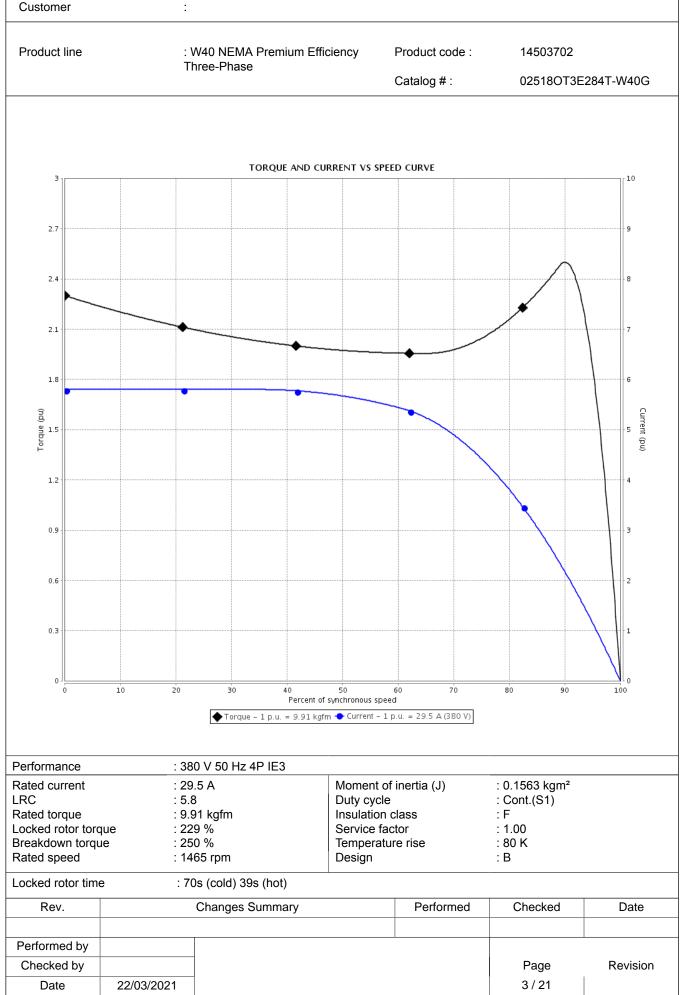
Product line		: W40 NEMA Premium Efficiency		ncy Pr	Product code :		14503702	
		Three-Phase		Ca	Catalog # :		02518OT3E284T-W40G	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 284T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 159 kg : 0.1563 kgm²		
•		: B 25		20	20		20	
Dutput [HP] Poles		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 H)	
load current [A	1	22.0/11.0	0.0	10.0	11.		12.0	
Rated speed [RPN		1765		1465	147		1475	
Slip [%]	ניי	1.94		2.33	2.0		1.67	
Rated torque [kgfr	nl	10.3		9.91	9.8		9.84	
ocked rotor torqu		250		229	250		270	
Breakdown torque		230		229	290		300	
Service factor	[/0]	1.25		1.00	1.0		1.00	
Temperature rise		80 K		80 K	80		80 K	
ocked rotor time		64s (cold) 36s (hot)					61s (cold) 34s (hot)	
loise level <sup>2</sup>		64.0 dB(A)	103 (0					
	25%	92.8		91.5	91.	5	91.5	
	50%	93.0	91.7 92.1		91.7		91.7	
Efficiency (%)	75%	93.6			92.		92.1	
	100%	93.6	92.1		92.		92.1	
	25%	0.45		0.46	0.4		0.38	
	50%	0.69		0.69	0.4		0.62	
Power Factor	75%	0.80		0.09	0.0		0.02	
	100%	0.84		0.84	0.8		0.81	
Bearing type Sealing Lubrication interv Lubricant amoun		Drive end      Non dr        6311 Z C3      621        Without      Wi        Bearing Seal      Beari        20000 h      200        18 g      1	<u>ive end</u> 1 Z C3 ithout ing Seal 000 h I1 g	Foundation Max. traction Max. comp	n loads on			
Lubricant type Notes USABLE @208V	65.2A SF 1.	: Mobil Polyrex E	<u>-</u> M	<u> </u>				
must be eliminate (1) Looking the m (2) Measured at 1	ed. otor from the m and with t veight subject ocess.	ncel the previous one, wh e shaft end. tolerance of +3dB(A). ct to changes after	hich				ts with sinusoidal stipulated in NEMA	
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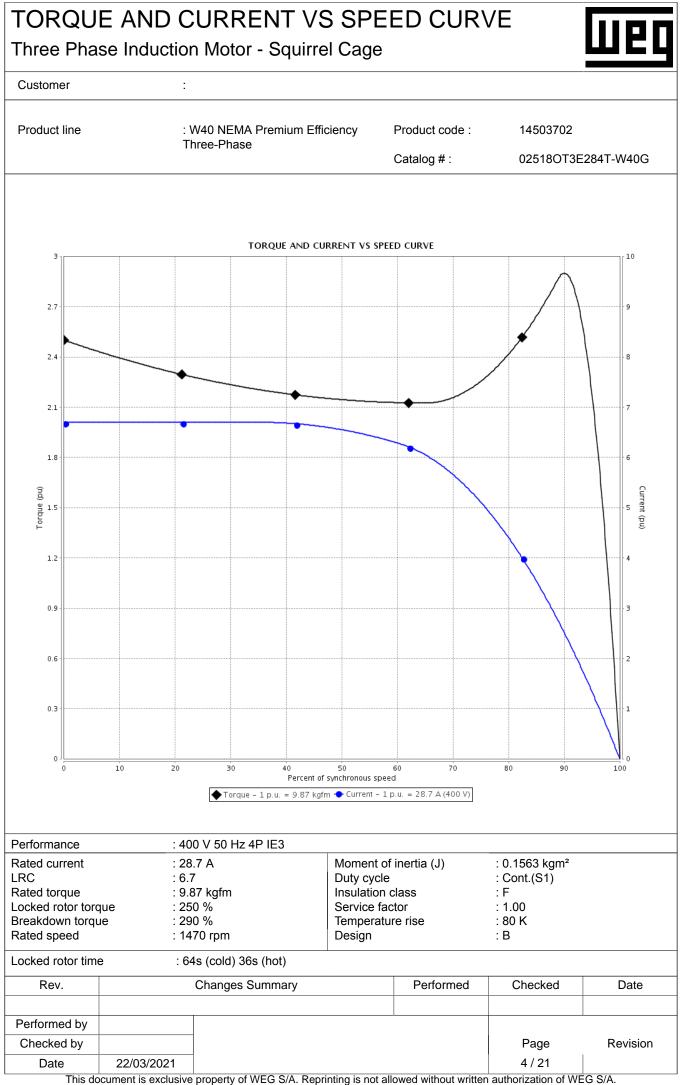
### TORQUE AND CURRENT VS SPEED CURVE

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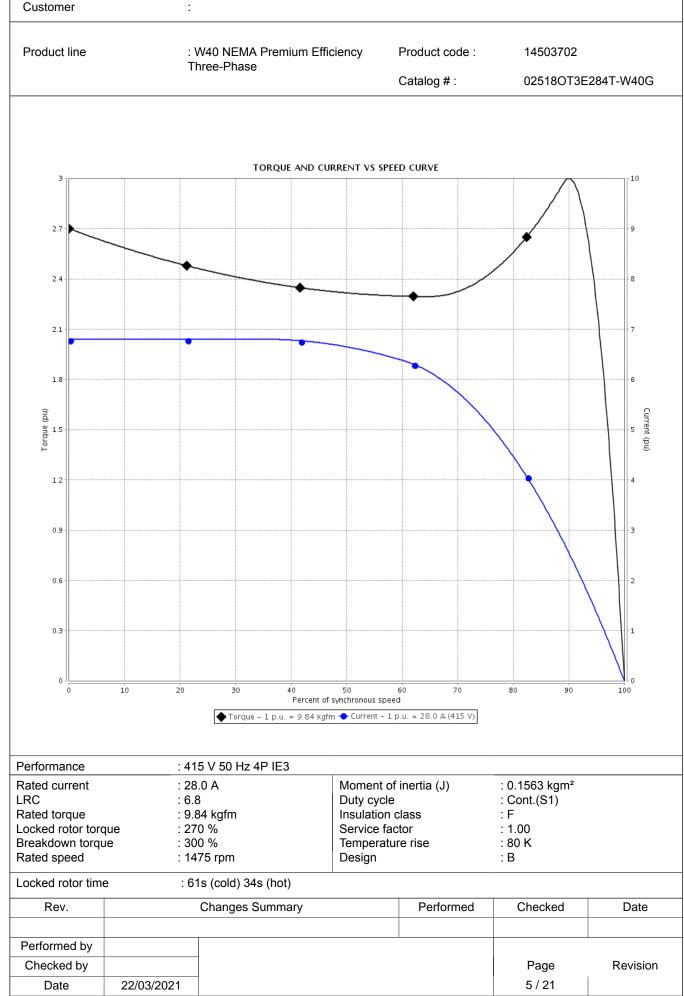
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### TORQUE AND CURRENT VS SPEED CURVE

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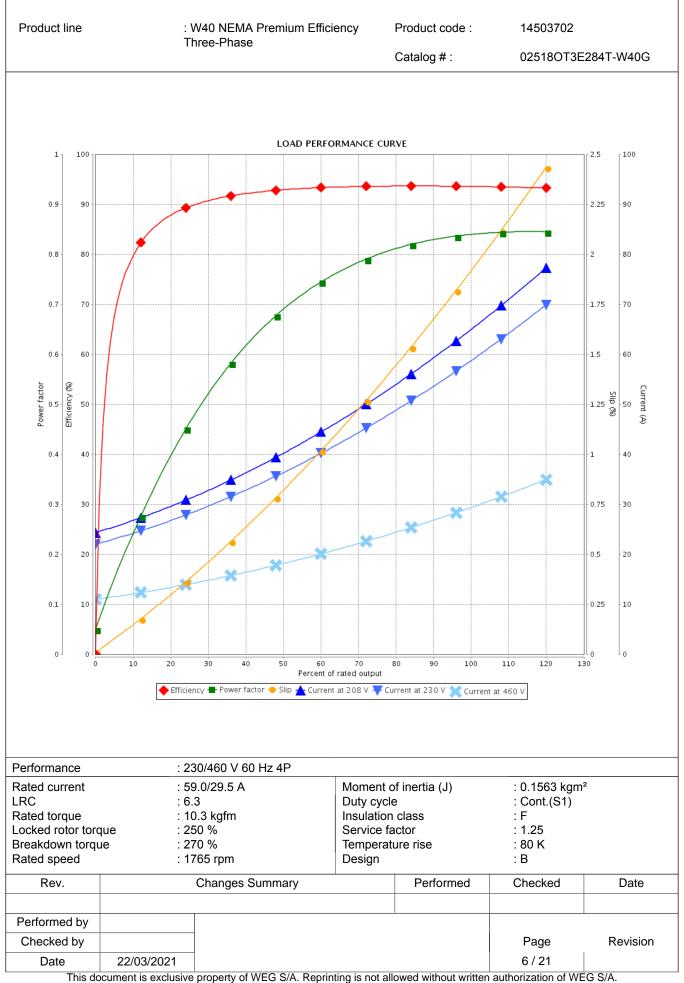
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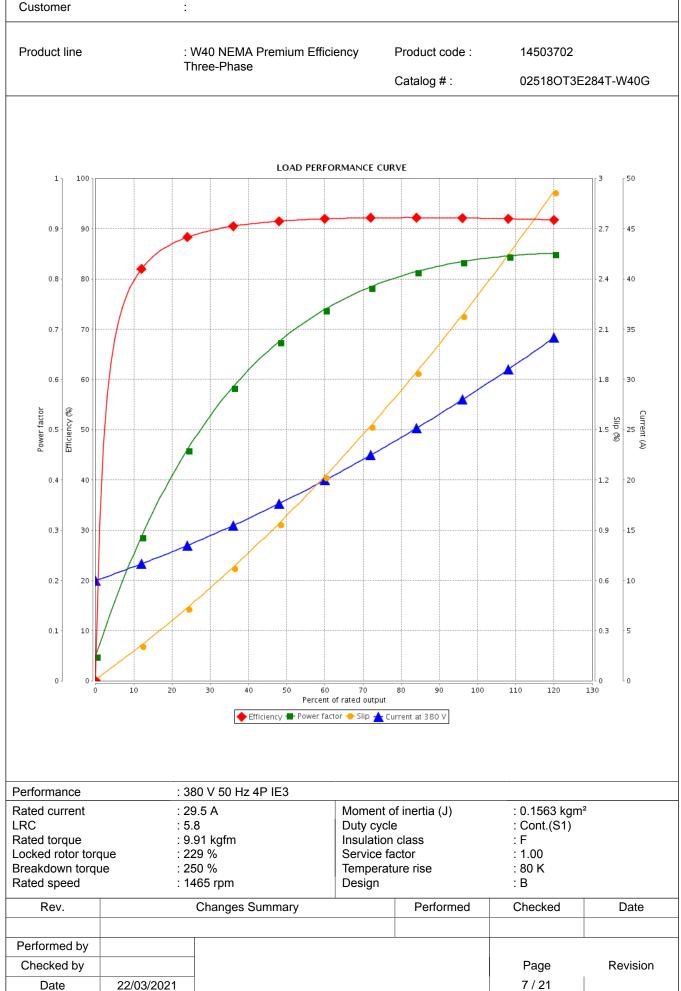


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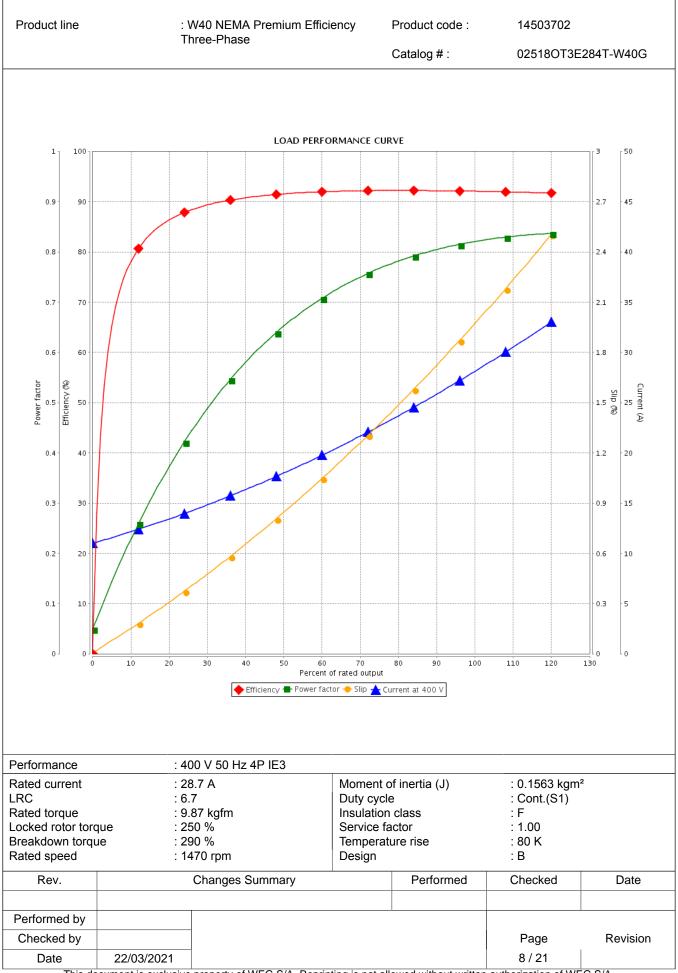
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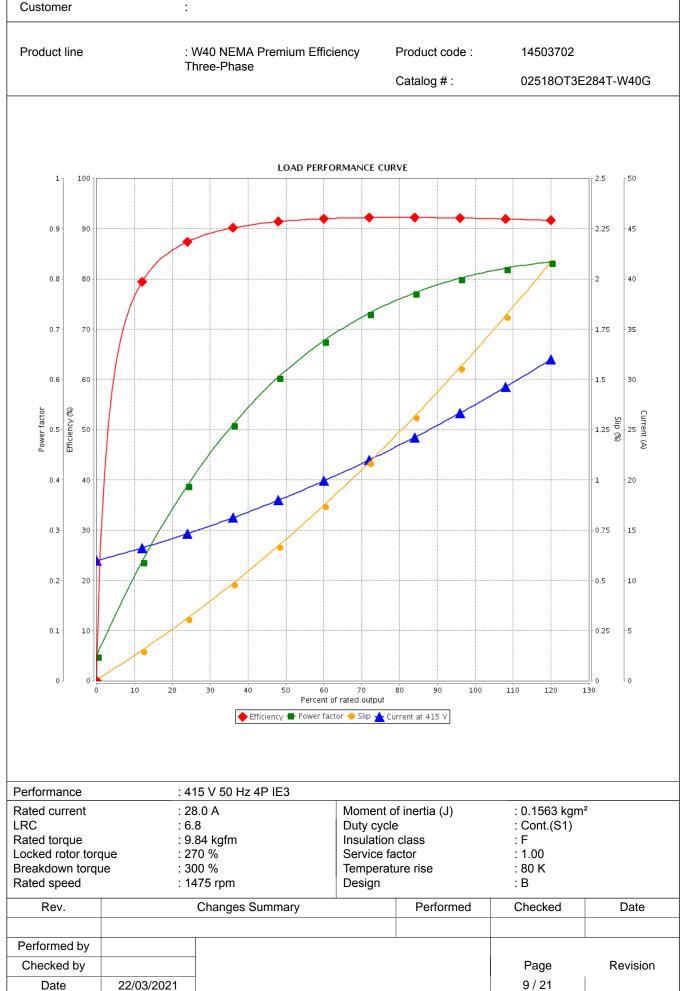


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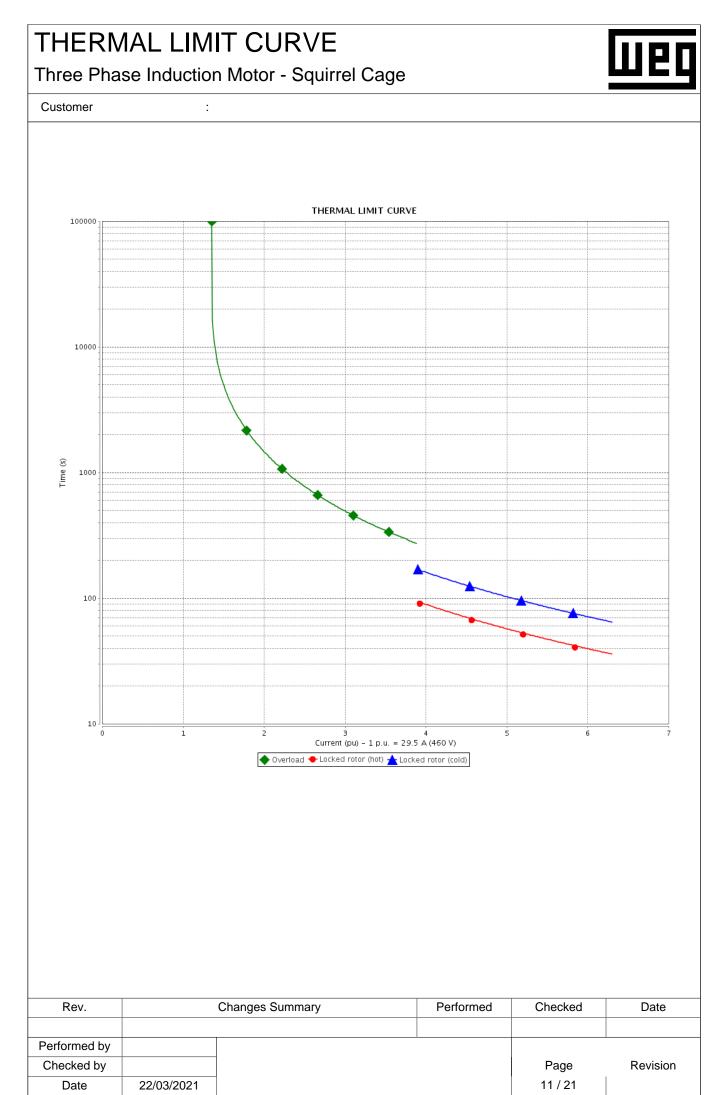
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Customer

Product line	: W40 NEMA Premium Efficiency		ency	Product code :	14503702	14503702	
	I	hree-Phase		Catalog # :	02518OT3E2	284T-W40G	
Performance	: 2	30/460 V 60 Hz 4P					
LRC Rated torque Locked rotor torque Breakdown torque		9.0/29.5 A .3 0.3 kgfm 50 % 70 % 765 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.1563 kgm² : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constant	t						
Cooling constant							
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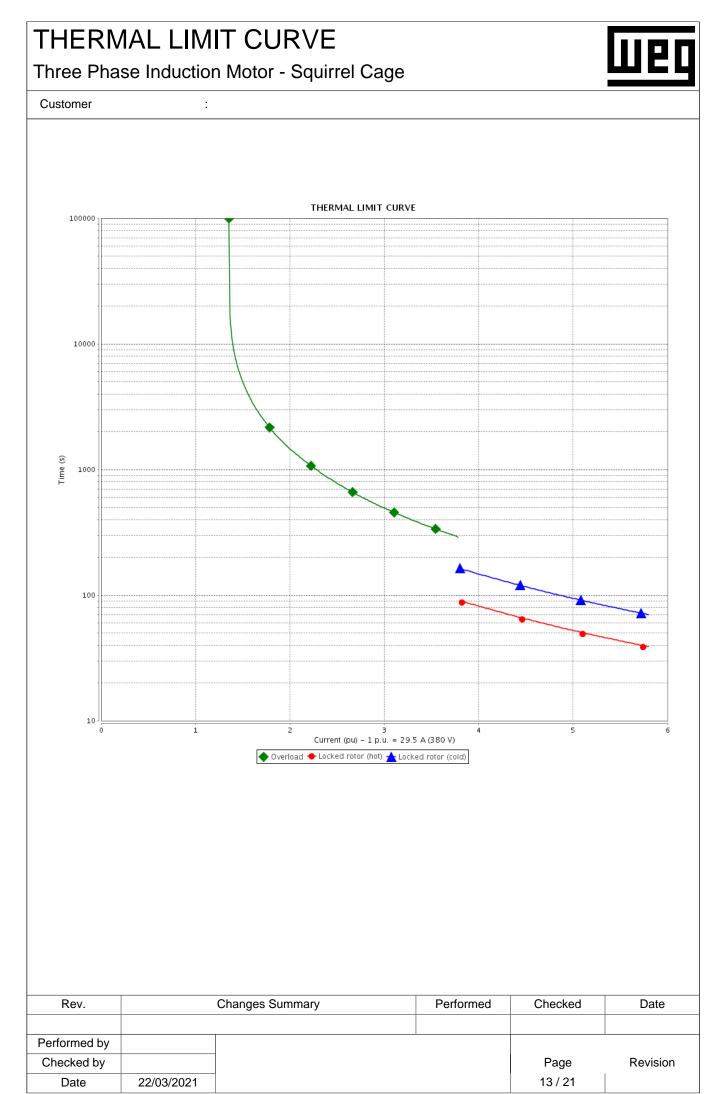
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Customer

Product line	: W40 NEMA Premium Efficiency Three-Phase		ency	Product code :	14503702	14503702	
	I	nree-Phase		Catalog # :	02518OT3E2	284T-W40G	
Performance	: 38	80 V 50 Hz 4P IE3					
LRC Rated torque Locked rotor torque Breakdown torque		9.5 A .8 .91 kgfm 29 % 50 % 465 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1563 kgm <sup>2</sup> : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant	t						
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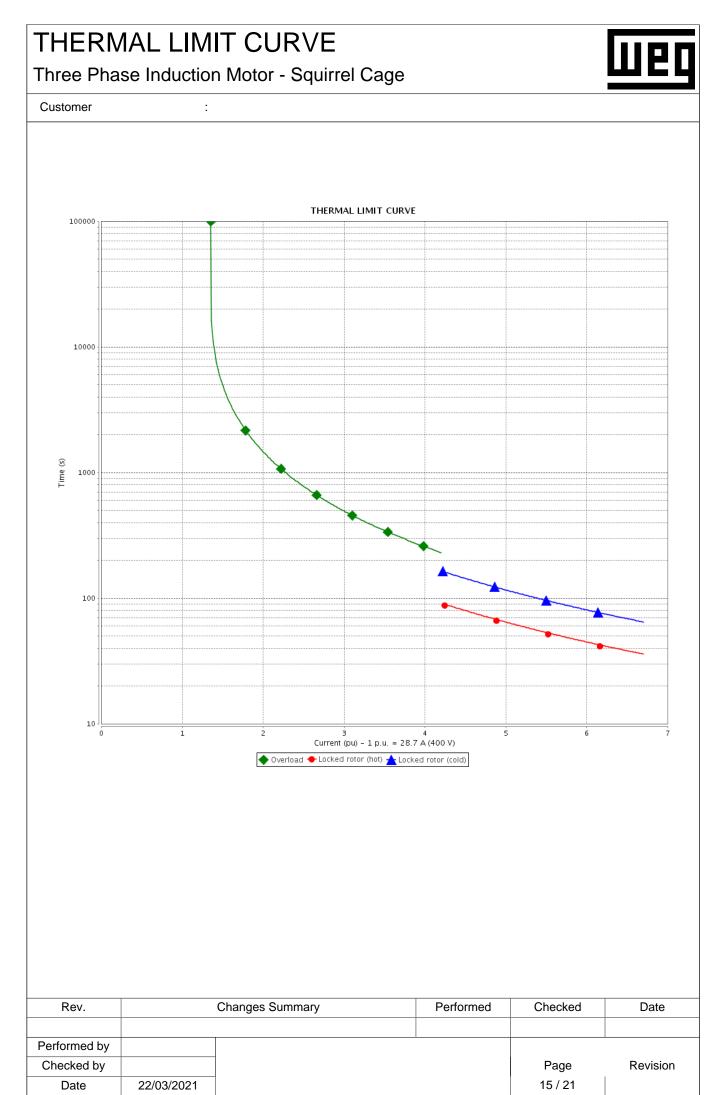


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Product line		: W40 NEMA Premium Efficiency		Product code :	14503702	14503702	
		Three-Phase		Catalog # :	02518OT3E2	284T-W40G	
Performance		400 V 50 Hz 4P IE3	[				
LRC Rated torque Locked rotor torque Breakdown torque		28.7 A 6.7 9.87 kgfm 250 % 290 % 1470 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1563 kgm² : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant							
Cooling constant							
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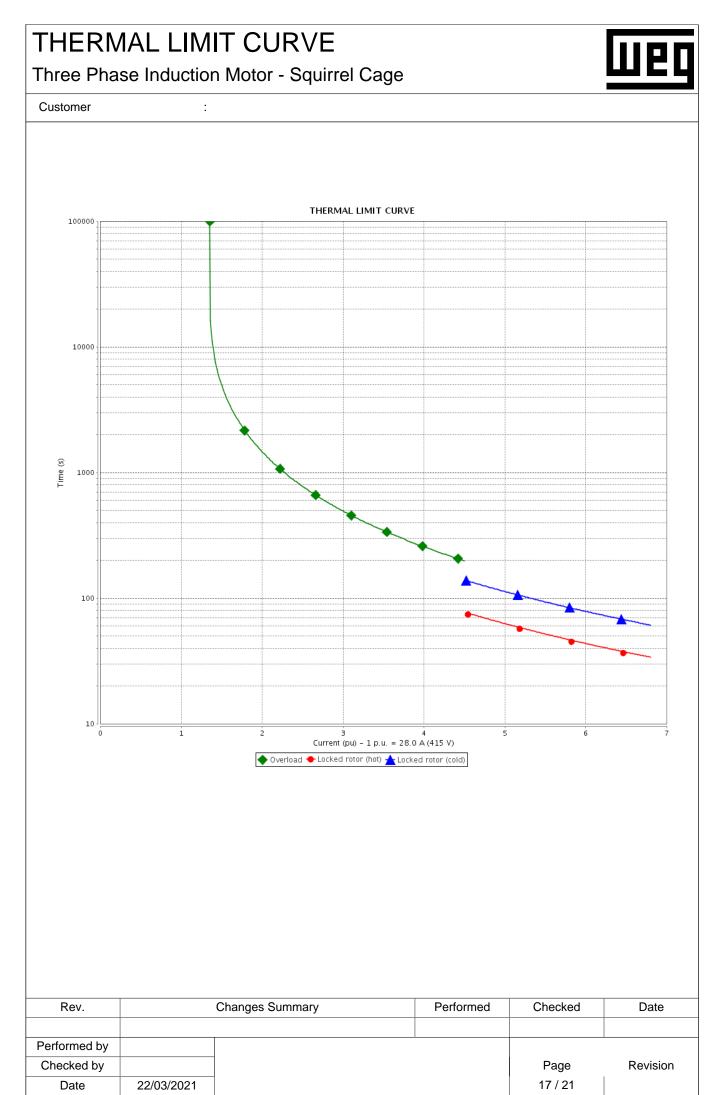
Product line		: W40 NEMA Premium Efficiency		Product code :	14503702	14503702	
		Three-Phase		Catalog # :	02518OT3E284T-W40G		
Performance		415 V 50 Hz 4P IE3	[				
LRC Rated torque Locked rotor torque Breakdown torque		28.0 A 6.8 9.84 kgfm 270 % 300 % 1475 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.1563 kgm <sup>2</sup> : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant							
Cooling constant							
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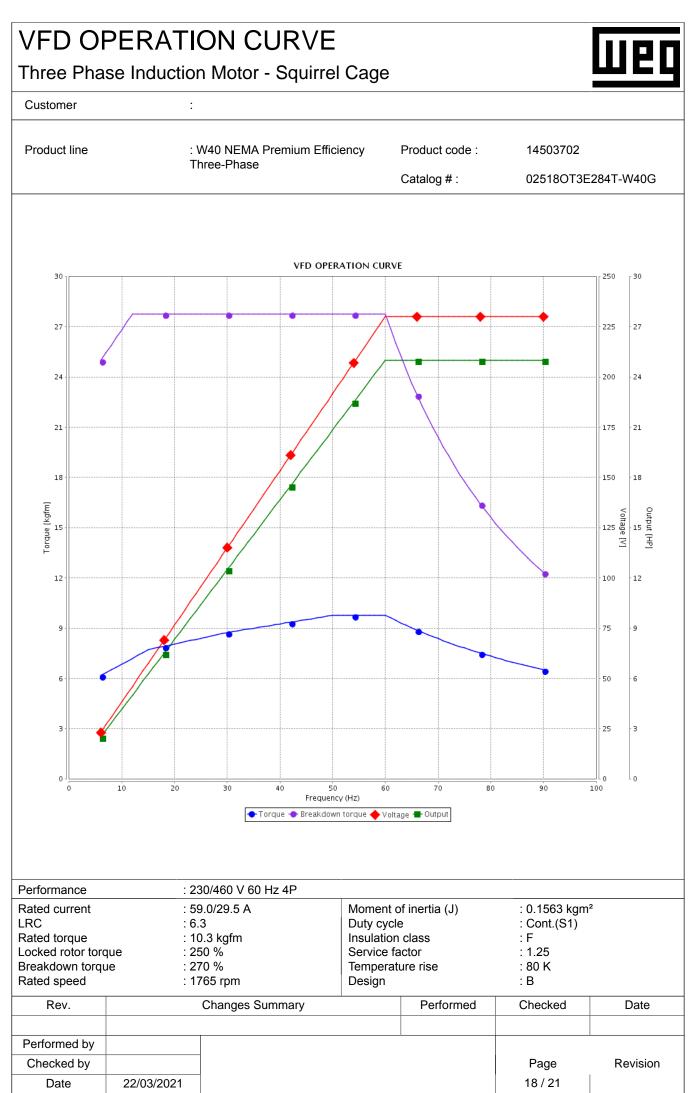
 

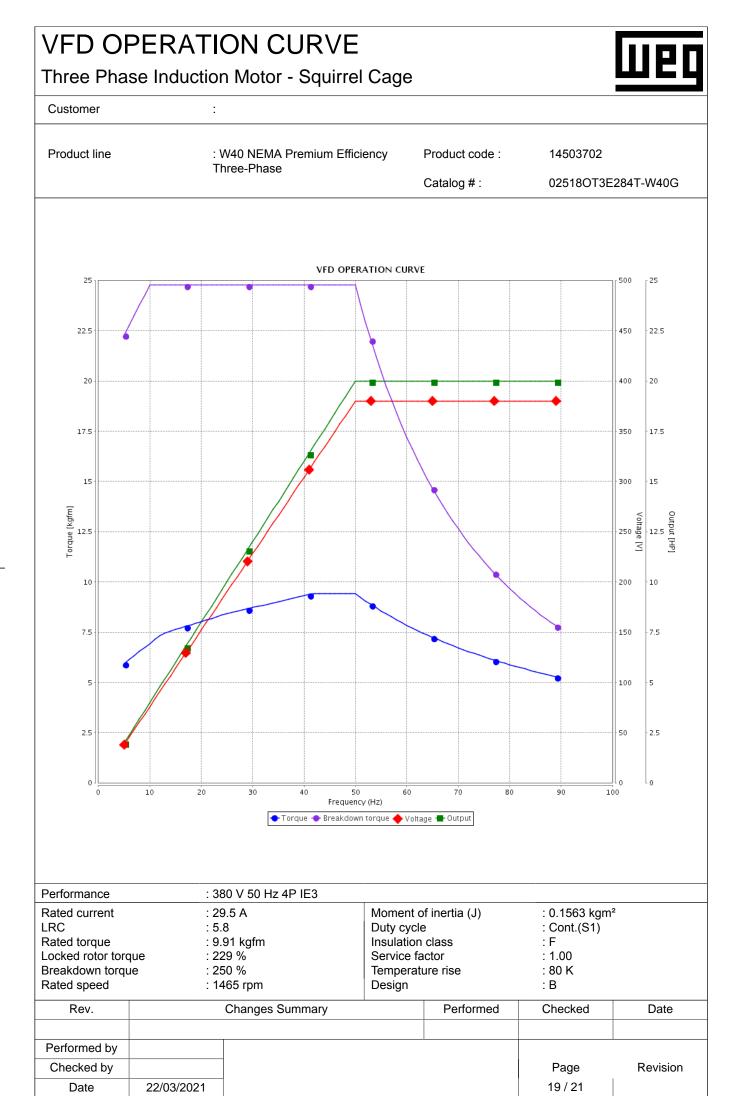
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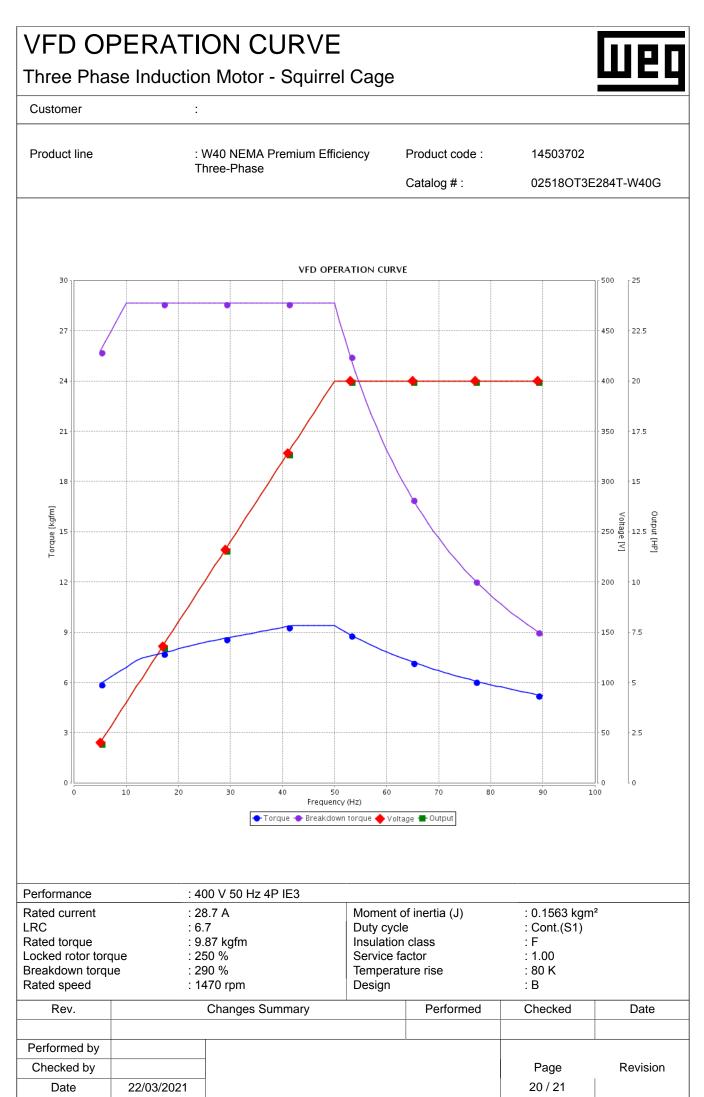
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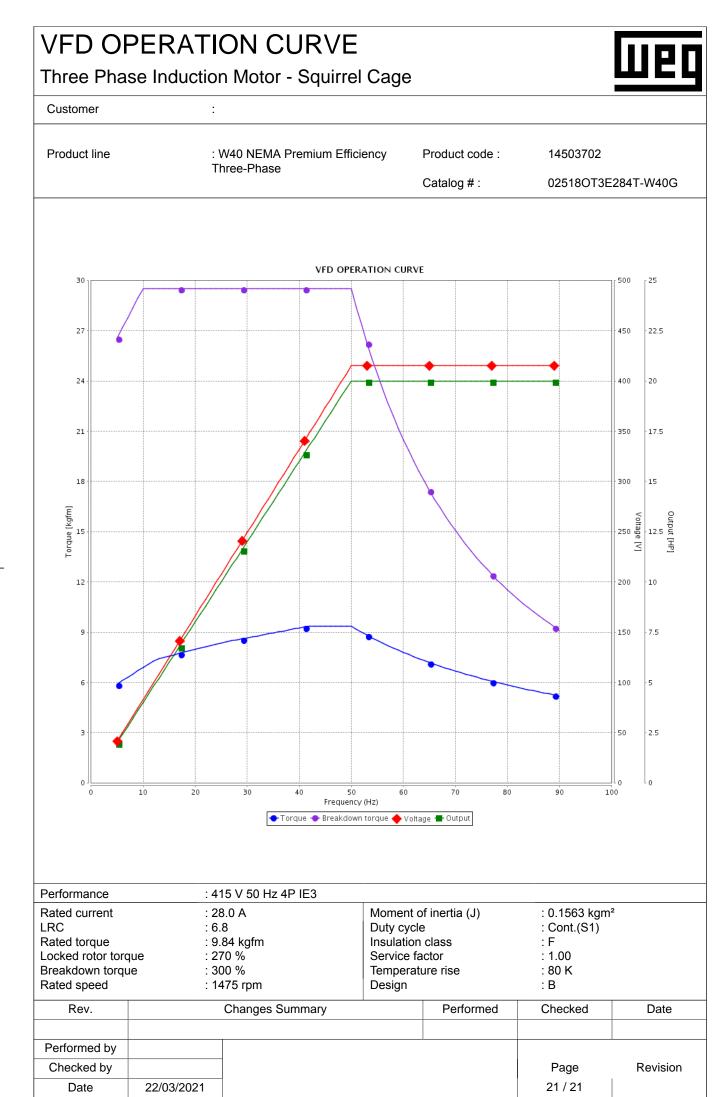
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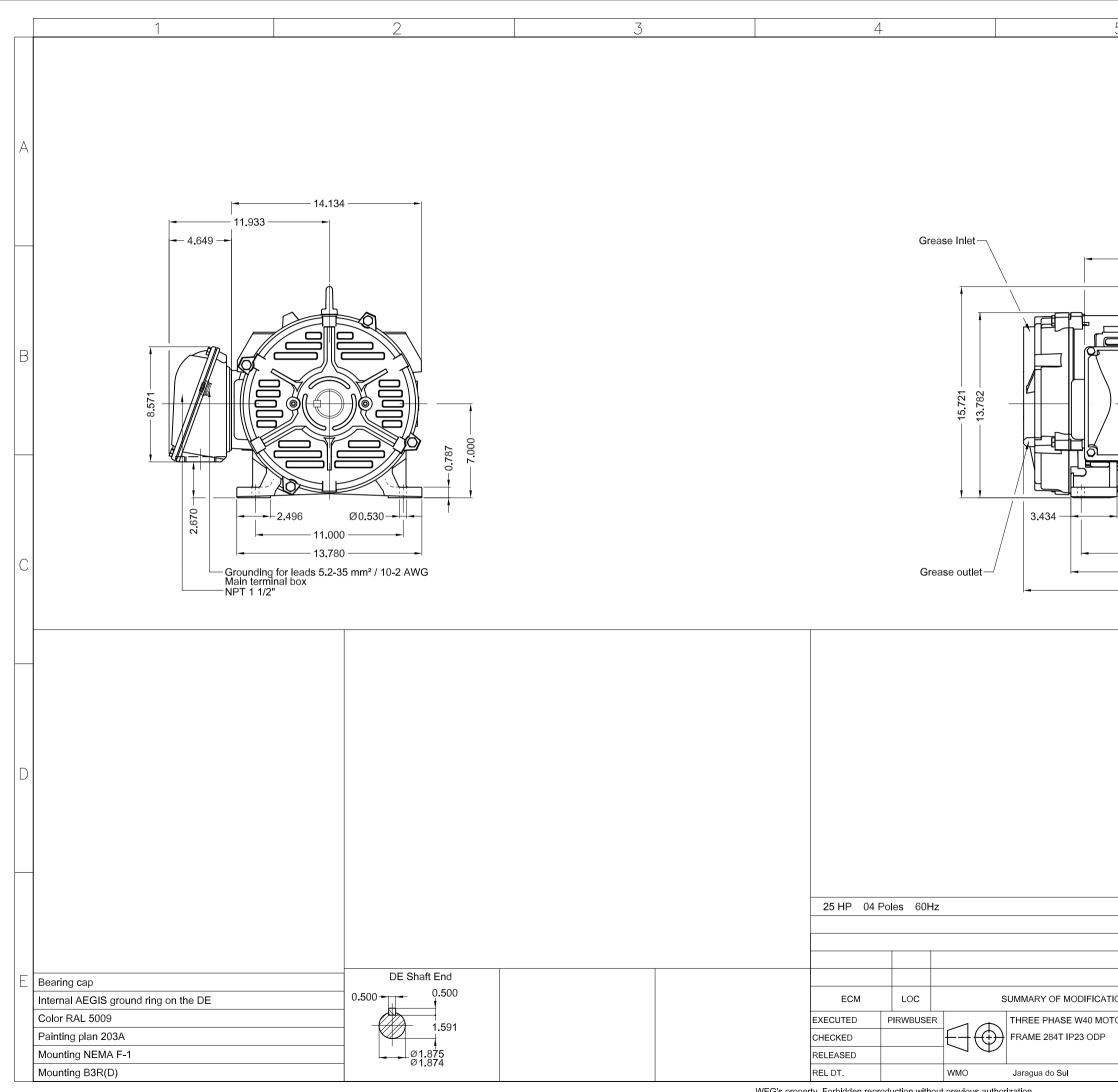












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