DATA SHEET

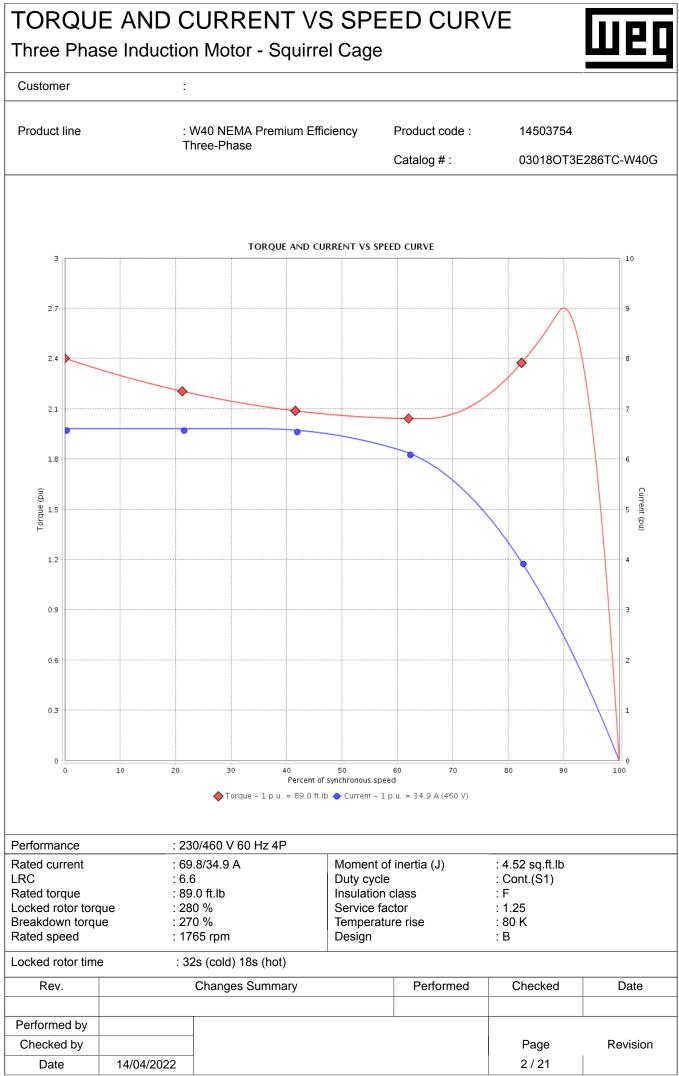
Three Phase Induction Motor - Squirrel Cage

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Customer

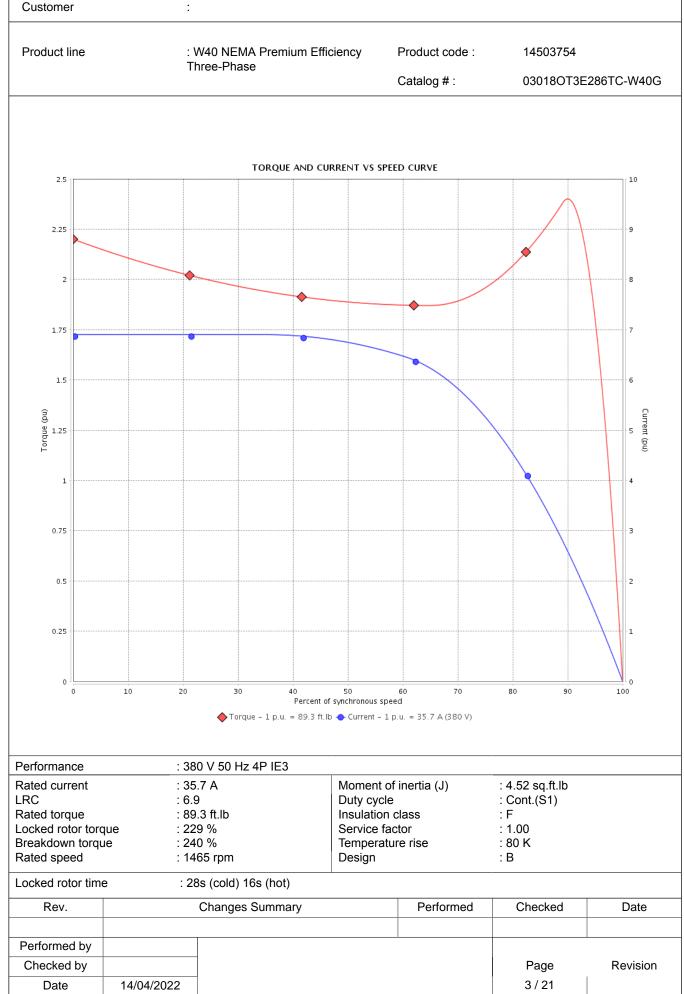
Product line		: W40 NEMA Premium Efficiency Three-Phase			oduct code :	145037	14503754	
		Three-Phase		Ca	atalog # :	03018C	DT3E286TC-W40G	
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 284/6TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23 : B		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 405 lb : 4.52 sq.ft.lb		
Output [HP]		30		25	25		25	
Poles		4		4	4		4	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	400)	415	
Rated current [A]		69.8/34.9		35.7	34.		34.3	
L. R. Amperes [A]		461/230		246	250		244	
LRC [A]		6.6x(Code G)	6.9	9x(Code H)	7.2x(Co		7.1x(Code H)	
No load current [A		27.0/13.5		13.0	14.0		14.5	
Rated speed [RPN	/]	1765		1465	147		1470	
Slip [%]		1.94		2.33	2.0		2.00	
Rated torque [ft.lb		89.0		89.3	89.3		89.0	
Locked rotor torqu		280		229	260		280	
Breakdown torque	: [%]	270		240	270		300	
Service factor		1.25		1.00	1.0		1.00	
Temperature rise		80 K		80 K	80		80 K	
Locked rotor time		32s (cold) 18s (hot)	28s (o	cold) 16s (ho	ot) 30s (cold)	17s (hot)	30s (cold) 17s (hot)	
Noise level ²		64.0 dB(A)						
	25%	93.4	92.0		92.0		92.0	
Efficiency (%)	50%	93.6	92.2		92.3		92.2	
	75%	94.1		92.6	92.0		92.6	
	100%	94.1	92.6		92.0		92.6	
	25%	0.45		0.46	0.42		0.39	
Power Factor	50%	0.70		0.70	0.6		0.63	
	75%	0.80		0.80	0.7		0.75	
	100%	0.84		0.85	0.8	3	0.81	
Bearing type Sealing Lubrication inter- Lubricant amour		: 6311 Z C3 621 : Without Wi Bearing Seal Bear : 20000 h 20	<u>ive end</u> 1 Z C3 ithout ing Seal 000 h I1 g	Max. traction Max. comp	on			
Lubricant type		: Mobil Polyrex E						
Notes USABLE @208V	77.2A SF 1.	15 SFA 88.8A		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, when the previous one, when the shaft end. Holerance of +3dB(A). Solerance of the sole of t	hich				ts with sinusoidal stipulated in NEMA	
Rev.		Changes Summary			Performed	Checked	I Date	
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Checked by Date						Page	Revision	
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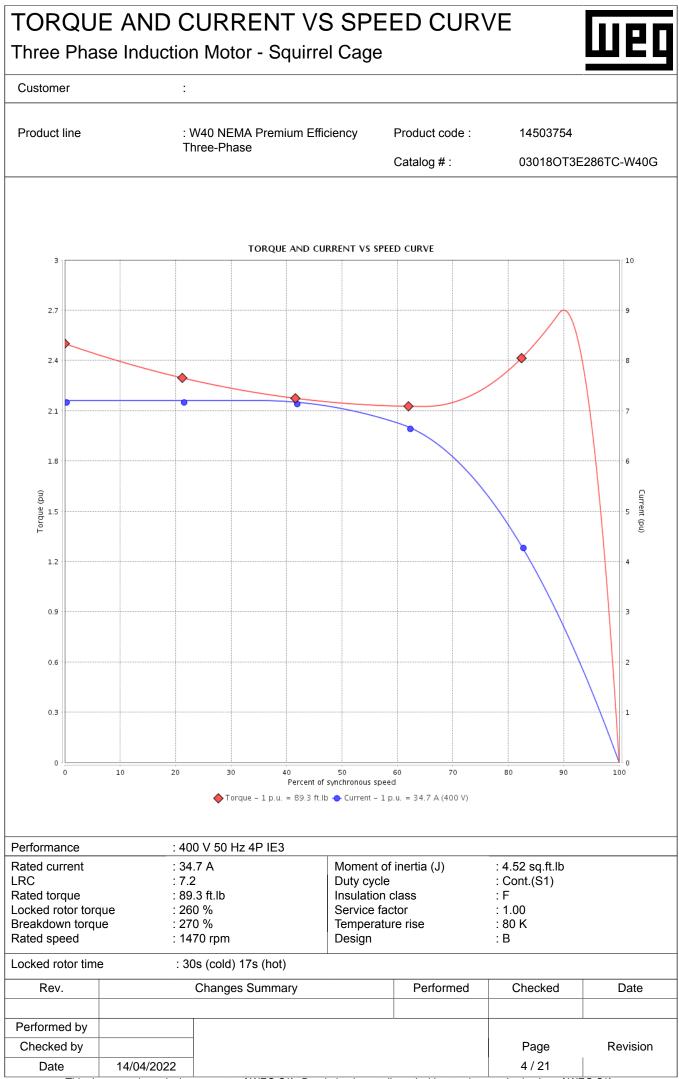
TORQUE AND CURRENT VS SPEED CURVE

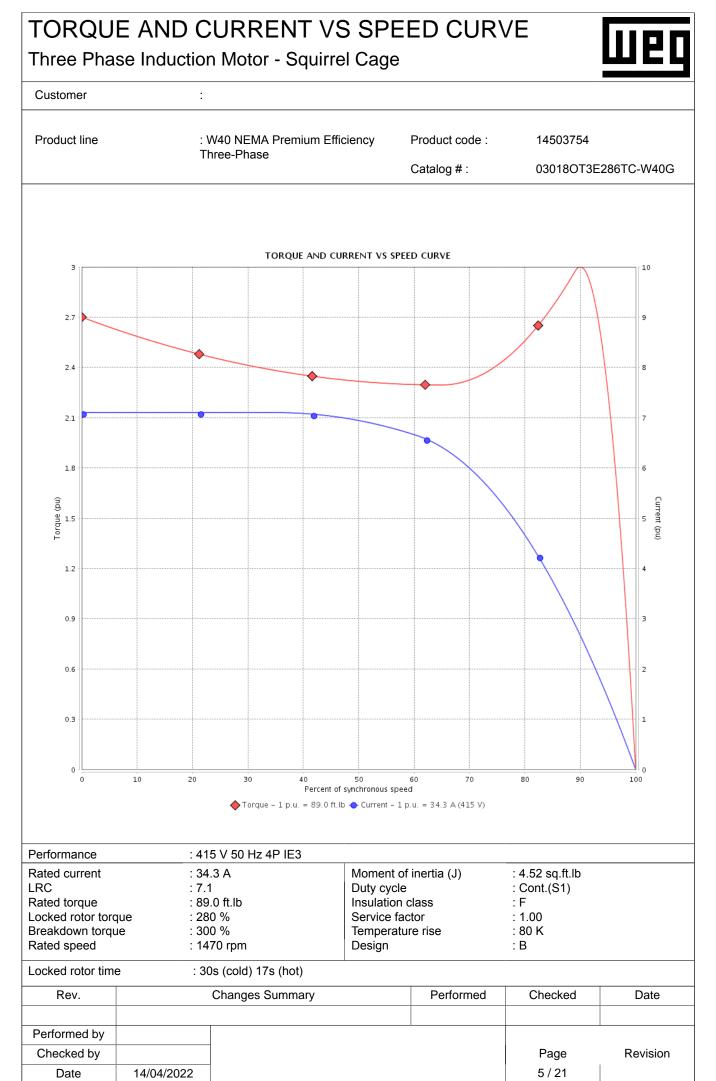
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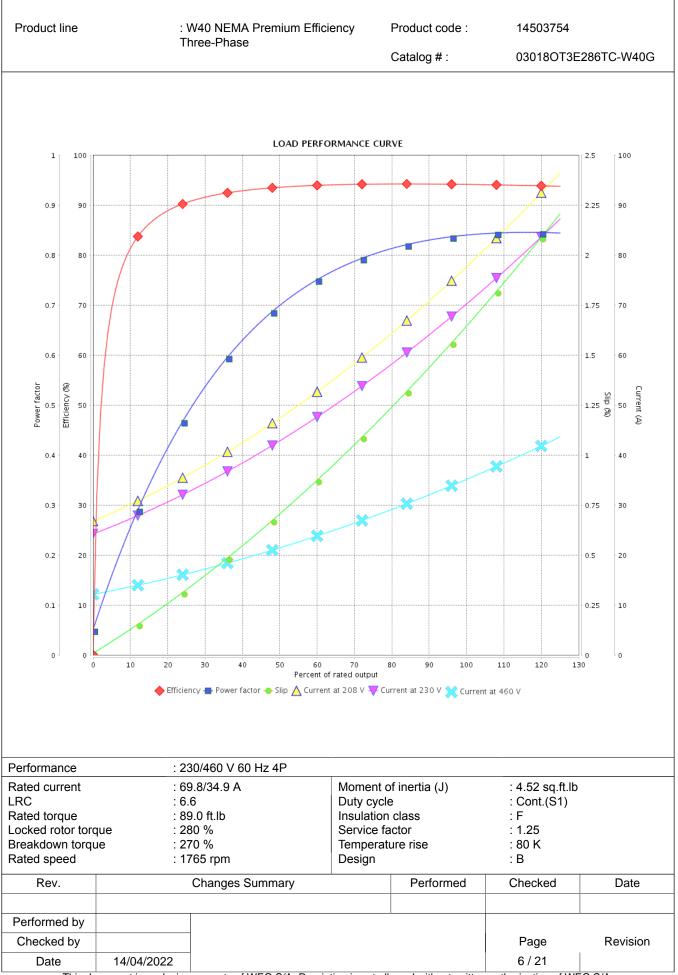


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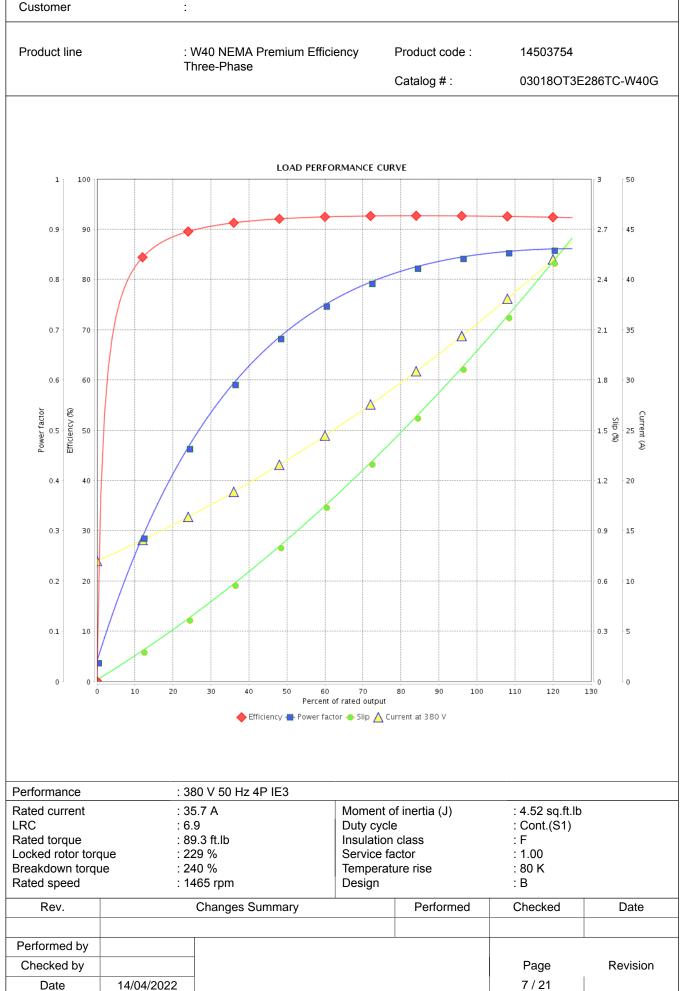


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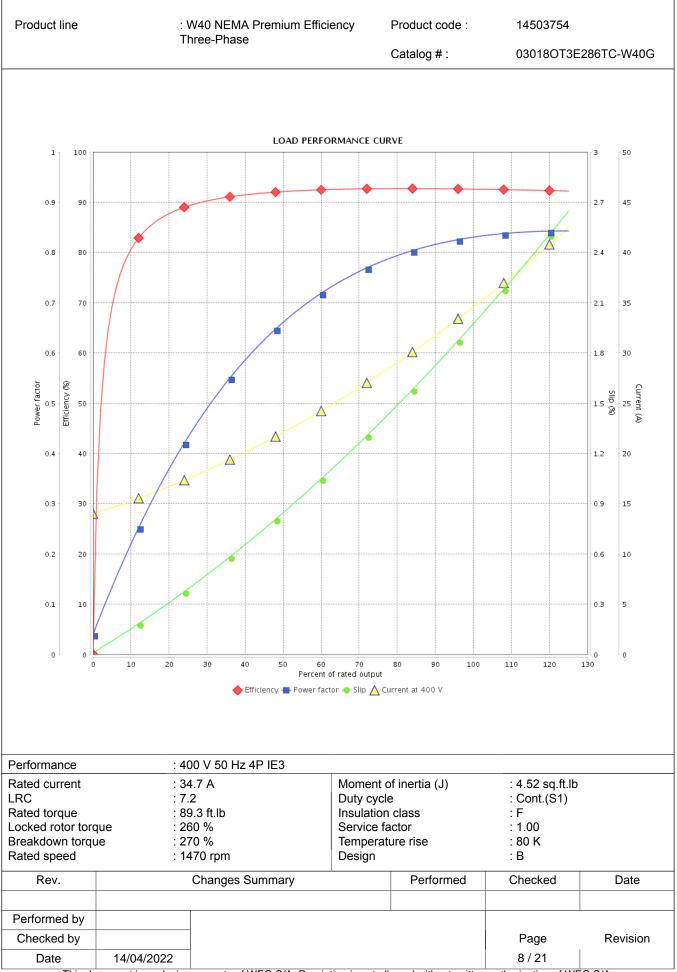
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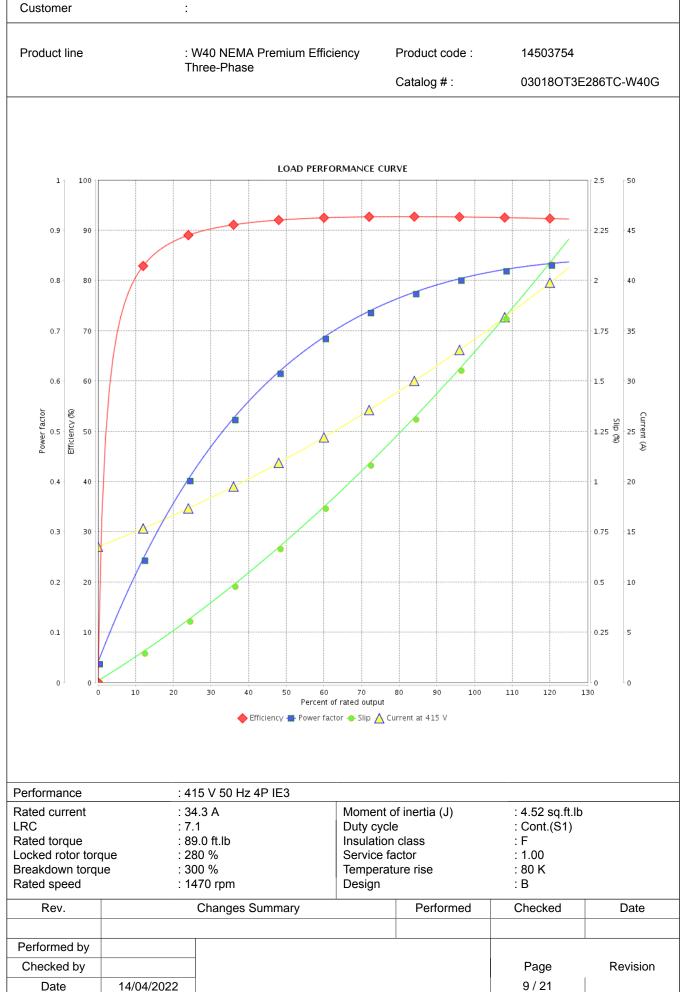


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THERMAL LIMIT CURVE

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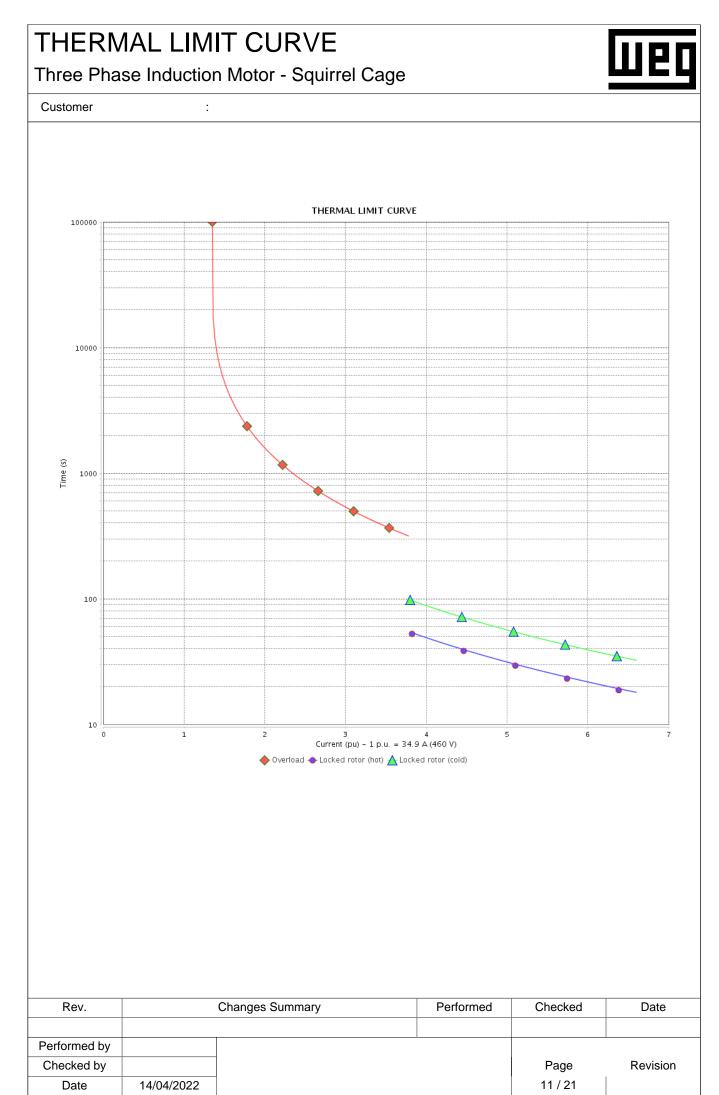
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14503754		
	I	Three-Phase		Catalog # :	03018OT3E286TC-W40G		
Performance	: 2	30/460 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torqu Breakdown torquo Rated speed	: 6 : 8 ue : 2 e : 2	9.8/34.9 A 6 9.0 ft.lb 80 % 70 % 765 rpm	Moment or Duty cycle Insulation Service far Temperatu Design	class ctor	: 4.52 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constant							
Cooling constant							
Rev.		Changes Summary		Performed	Checked	Date	
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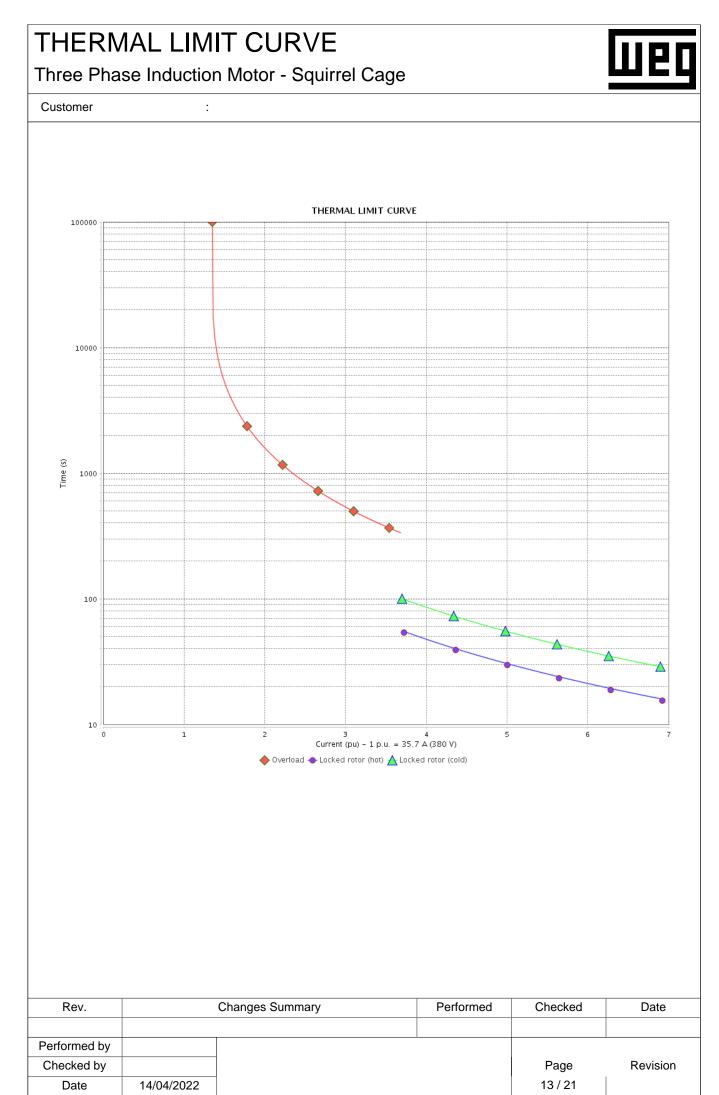
Product line		: W40 NEMA Premium Efficiency Three-Phase		Des durat a sida i	44500754	14503754		
				Product code :				
				Catalog # :	03018OT3E2	86TC-W40G		
Performance	: 3	380 V 50 Hz 4P IE3						
Rated current		35.7 A	Moment o	f inertia (J)	: 4.52 sq.ft.lb			
LRC Rated torque		6.9 89.3 ft.lb	Duty cycle Insulation		: Cont.(S1) : F			
Locked rotor torq	ue :2	229 %	Service fa		: 1.00			
Breakdown torqu Rated speed		240 % 1465 rpm			: 80 K : B			
Heating constant		-						
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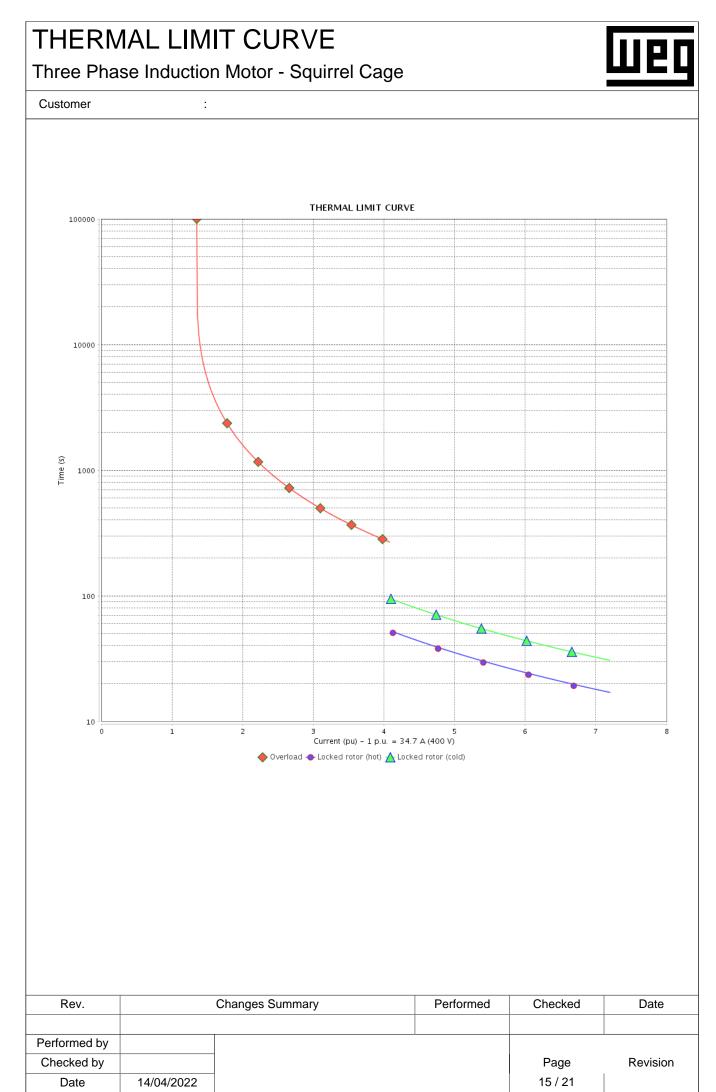
Product line	:	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14503754	14503754		
				Catalog # :	03018OT3E2	86TC-W40G		
Performance		400 V 50 Hz 4P IE3						
Rated current LRC	: 7	34.7 A 7.2	Duty cycle		: 4.52 sq.ft.lb : Cont.(S1)			
Rated torque		39.3 ft.lb	Insulation Service fa		: F : 1.00			
Locked rotor torque : 26 Breakdown torque : 27		260 % Service 270 % Tempera			: 80 K			
Rated speed	: '	1470 rpm	Design		: B			
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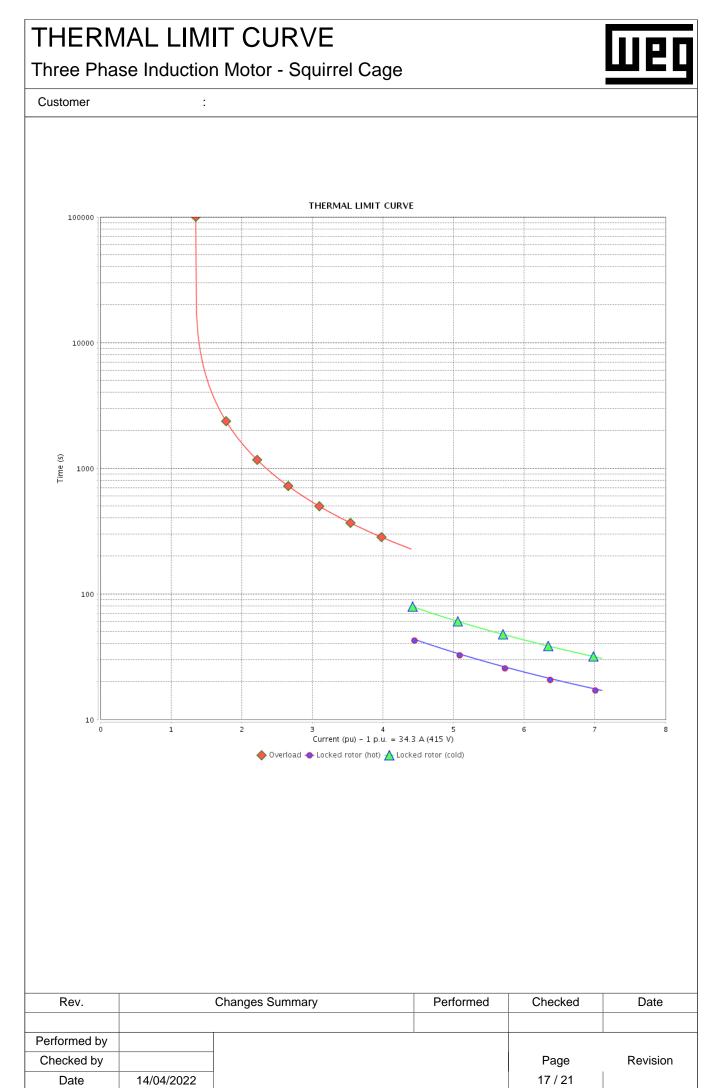
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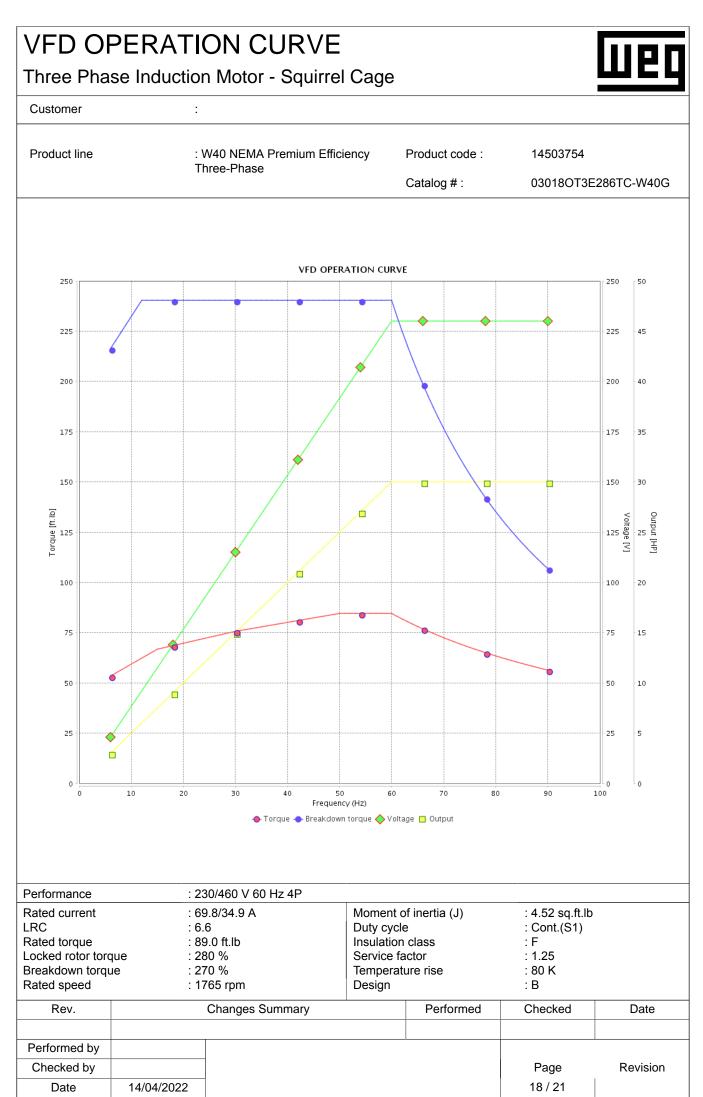


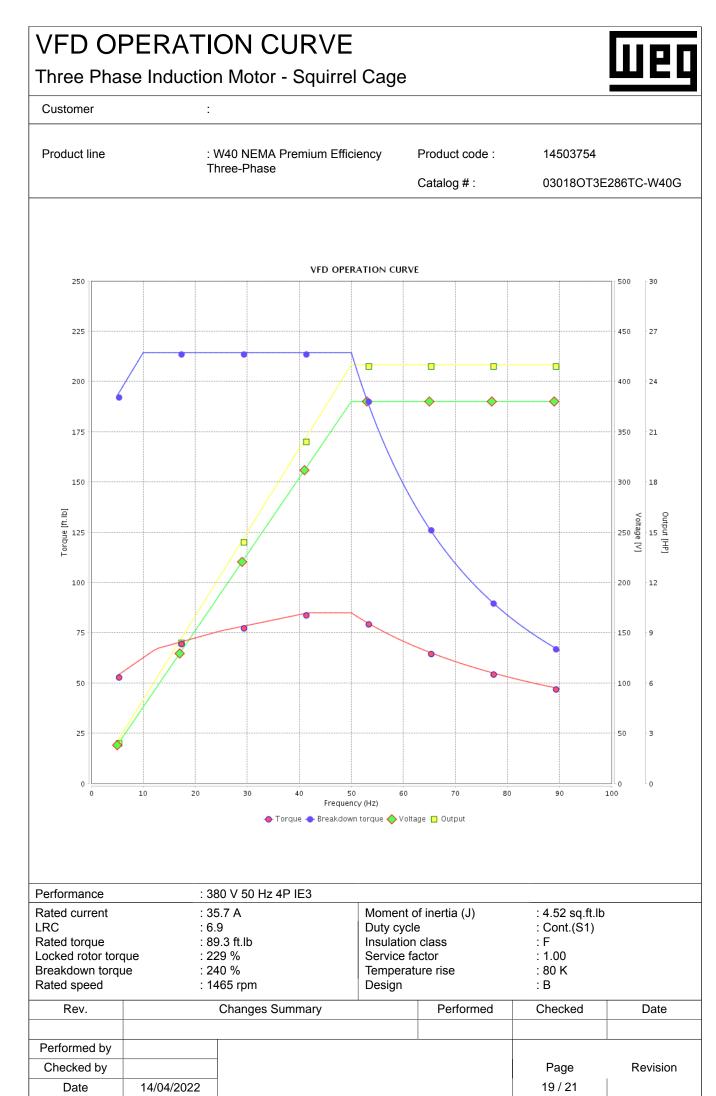
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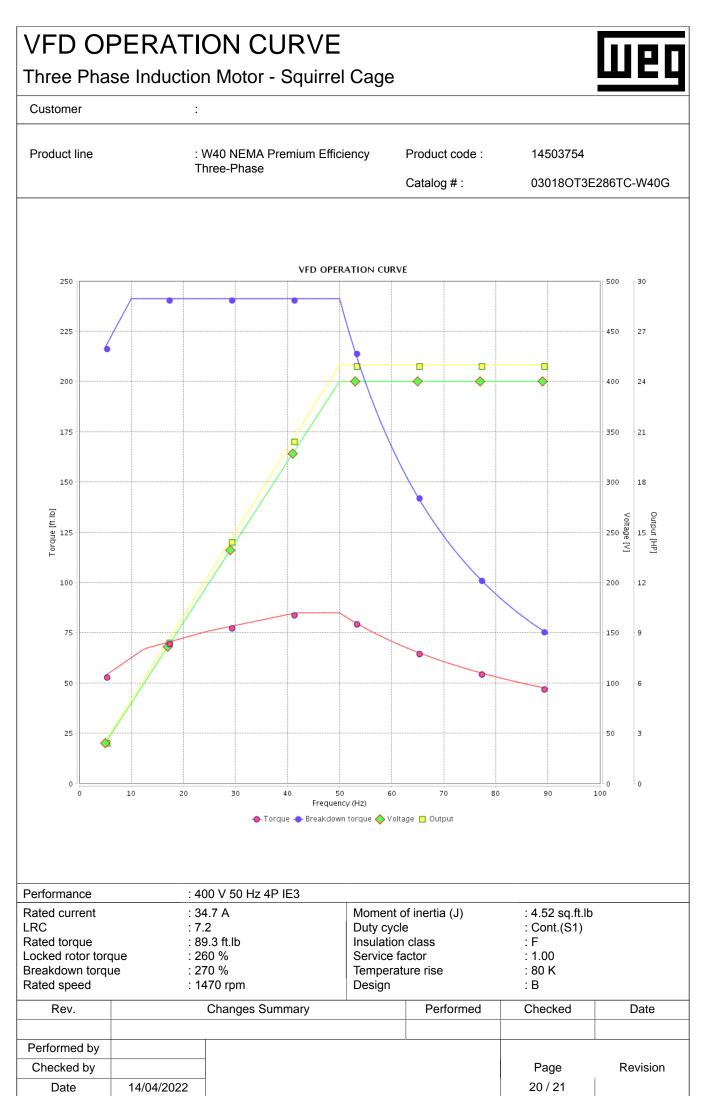
Product line						
		W40 NEMA Premium Efficie	ency	Product code :	14503754	14503754
				Catalog # :	03018OT3E2	86TC-W40G
Performance	: 4	15 V 50 Hz 4P IE3				
Rated current		4.3 A	Moment o	f inertia (J)	: 4.52 sq.ft.lb	
LRC Rated torque	: 7 : 8	.1 9.0 ft.lb	Duty cycle Insulation class		: Cont.(S1) : F	
Locked rotor torc	jue : 2	: 280 % Se		ctor	: 1.00	
Breakdown torqu Rated speed		00 % 470 rpm	Temperatu Design	ure rise	: 80 K : B	
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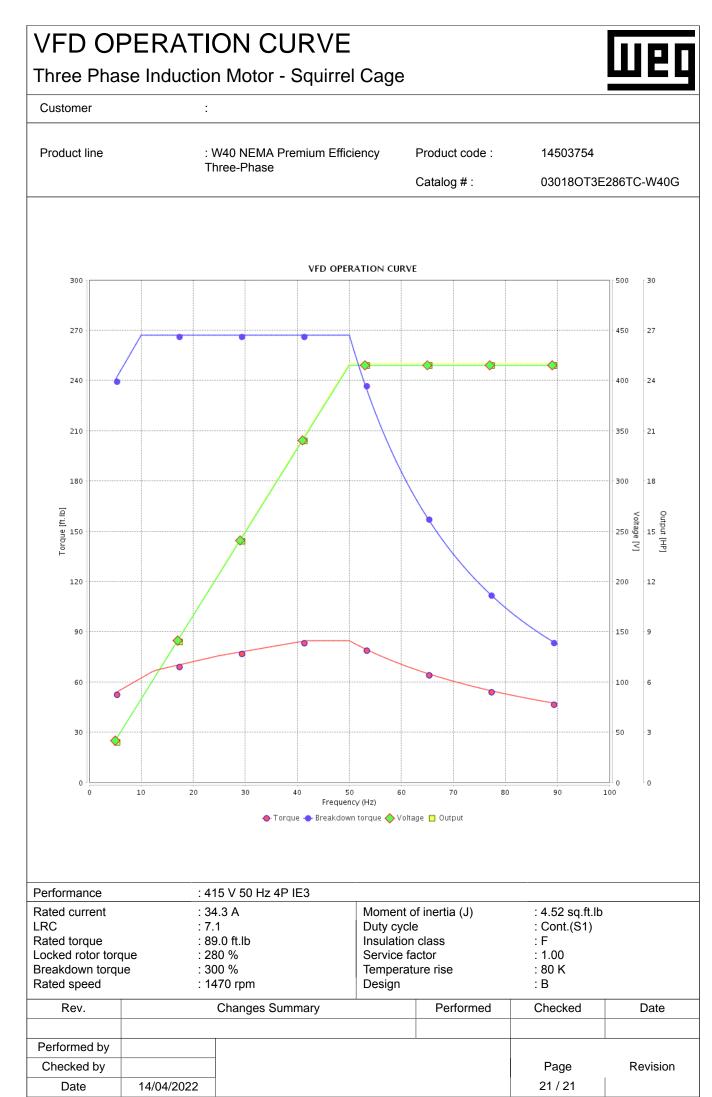
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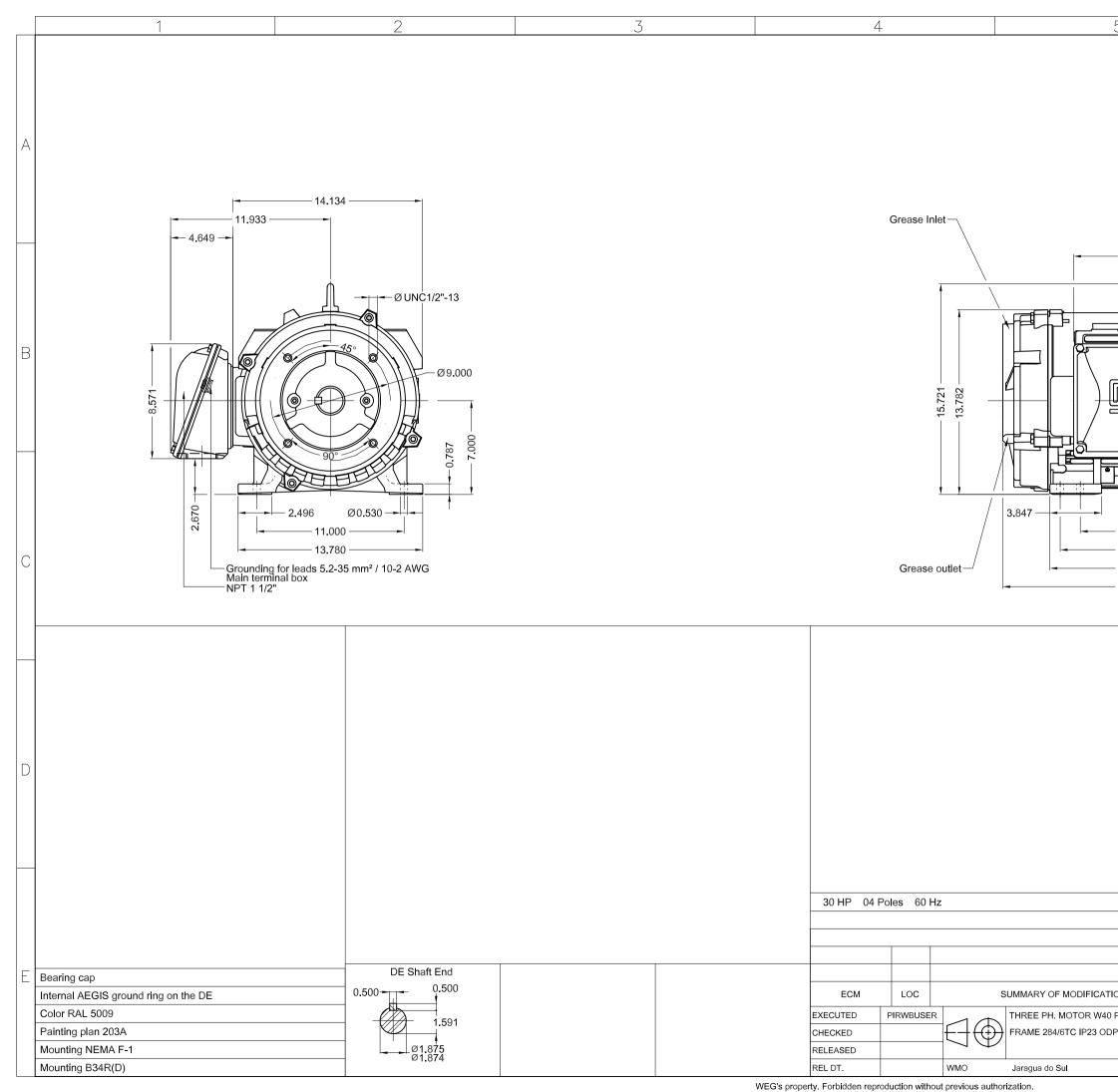












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