DATA SHEET

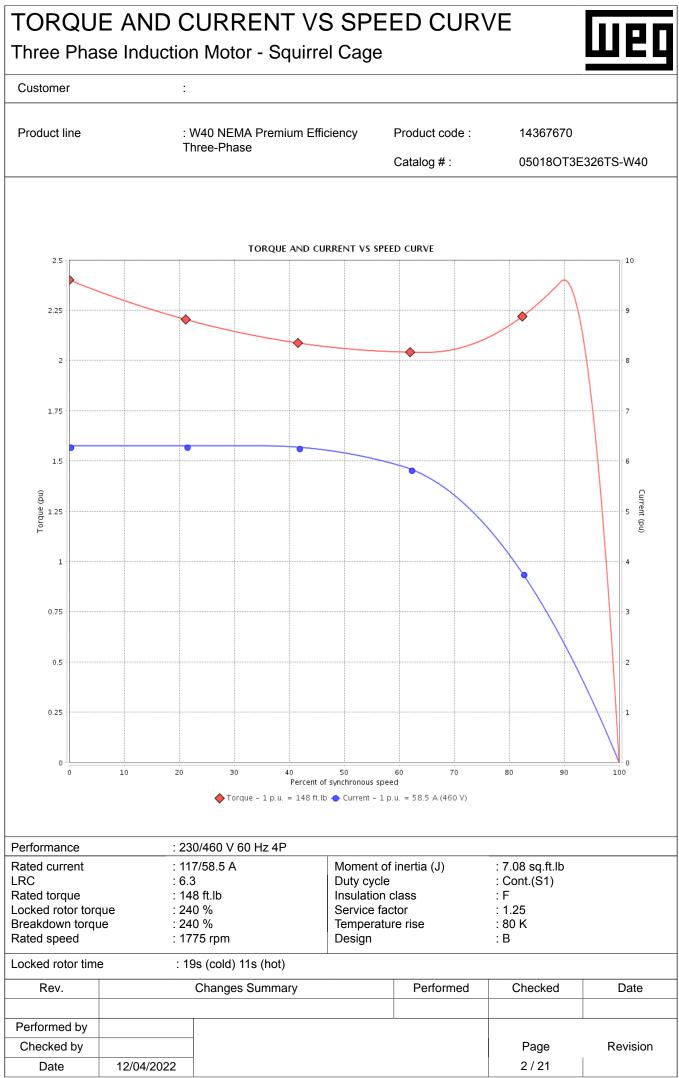
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase			Product code :		14367670	
		11100-1 11030		Cata	log # :	050180	T3E326TS-W40	
Frame Insulation class Duty cycle Ambient temperature Altitude		: F M : Cont.(S1) Ro : -20°C to +40°C St		Mounting Rotation ¹ Starting meth Approx. weig	Rotation ¹ Starting method Approx. weight ³		ODP CW and CCW) On Line	
Protection degre Design	e	: IP23 : B		Moment of in	iertia (J)	: 7.08 so	q.ft.lb	
Output [HP]		50		40	40		40	
Poles		4		4	4		4	
Frequency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	400		415	
Rated current [A]		117/58.5		58.0	56.		55.7	
R. Amperes [A]		737/369		383	389		401	
RC [A]		6.3x(Code G)	6.6	6x(Code G)	6.9x(Co	· ·	7.2x(Code J)	
No load current [A		46.4/23.2		22.8	25.		27.0	
Rated speed [RPN	И]	1775		1475	147		1480	
Slip [%]	_	1.39		1.67	1.6		1.33	
Rated torque [ft.lb		148		142	142		142	
ocked rotor torqu		240		220	250		270	
Breakdown torque	e [%]	240		240	270		300	
Service factor		1.25		1.00	1.0		1.00	
Temperature rise		80 K	80 K		80		80 K	
ocked rotor time		19s (cold) 11s (hot)	21s (cold) 12s (ho		21s (cold)	12s (hot)	21s (cold) 12s (hot)	
loise level ²	0501	66.0 dB(A)		00.0		•		
	25%	94.0		92.9	92.		92.9	
Efficiency (%)	50%	94.1		93.1	93.		93.1	
	75%	94.5		93.5	93.		93.5	
	100%	94.5		93.6	93.		93.6	
	25%	0.44		0.44	0.4		0.37	
Power Factor	50%	0.70		0.70	0.6		0.62	
	75%	0.80		0.80	0.7		0.74	
	100%	0.84 Drive end Non dr	rive end	0.84 Foundation lo	0.8 bads	۷	0.80	
Bearing type Sealing		: 6312 Z C3 621	6312 Z C3 6211 Z C3 Max. tra					
Lubrication interv		Bearing Seal Bear : 20000 h 20	Vithout Max. compression ring Seal 0000 h 11 g					
Lubricant type		: Mobil Polyrex E						
Notes USABLE @208V	129A SF 1.1	15 SFA 149A						
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. Noterance of +3dB(A). St to changes after	hich				s with sinusoidal stipulated in NEMA	
(4) At 100% of ful				l	Performed	Checked	Date	
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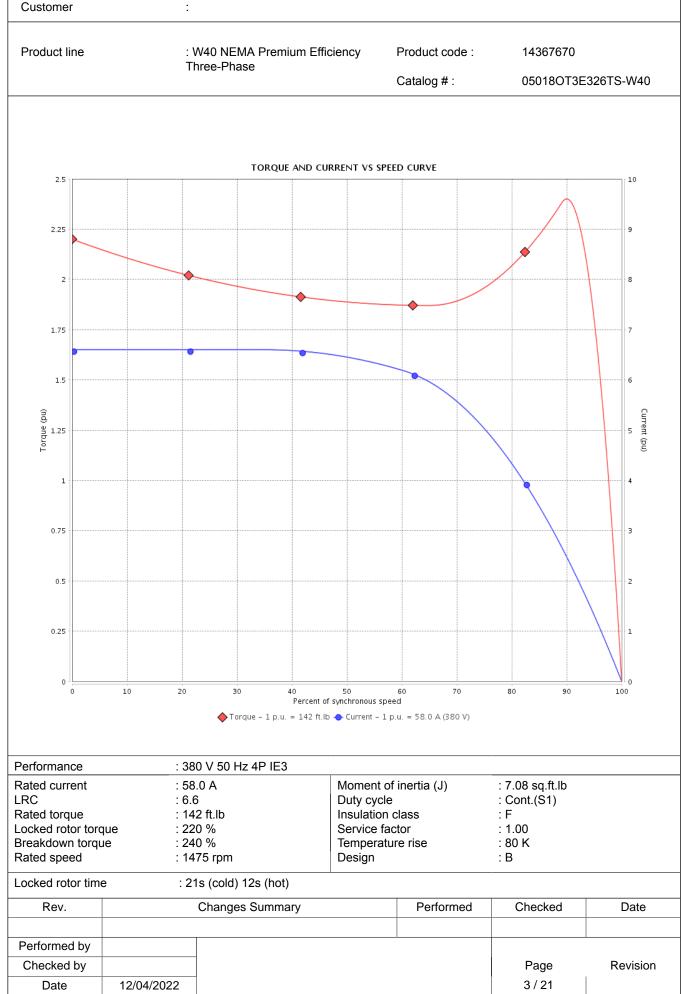


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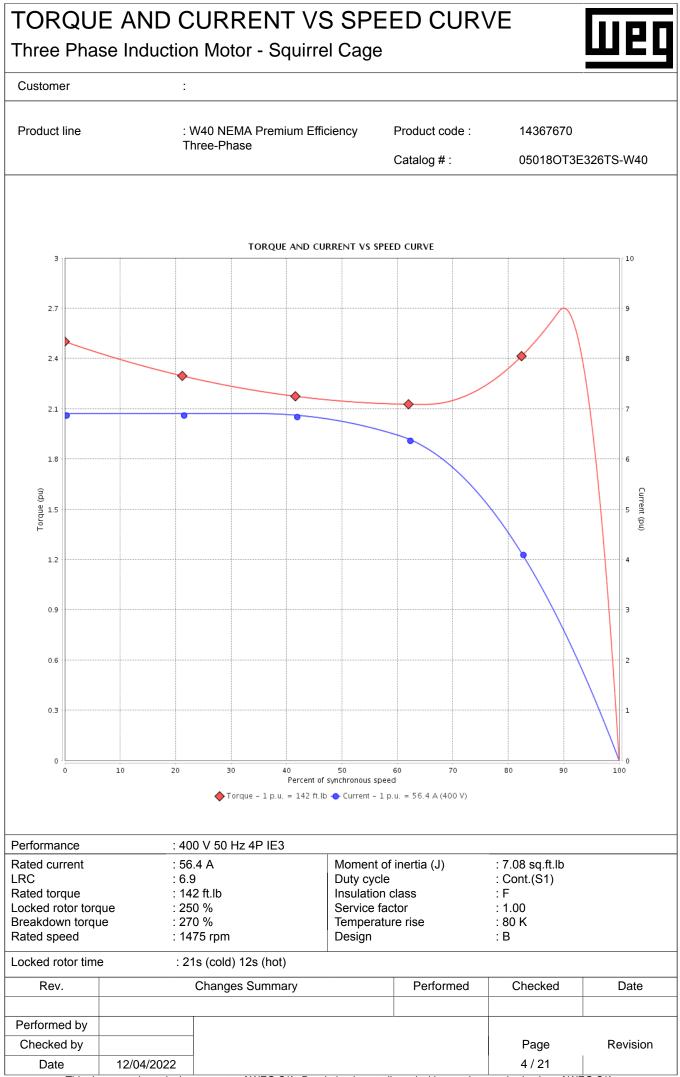
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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TORQUE AND CURRENT VS SPEED CURVE Three Phase Induction Motor - Squirrel Cage Customer : Product line : W40 NEMA Premium Efficiency Product code : 14367670 Three-Phase 05018OT3E326TS-W40 Catalog # : TORQUE AND CURRENT VS SPEED CURVE з 10 2.7 9 2.4 8 2.1 7 1.8 6 (nd) 1.5 Current (pu) 5 1.2 0.9

		Perce	nt of synchronous speed	1		
		◆ Torque - 1 p.u. = 142	2 ft.lb 🔶 Current – 1 p.	u. = 55.7 A (415 V)		
Performance	: 4	15 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 7 : 1 jue : 2 ie : 3	5.7 A .2 42 ft.lb 70 % 00 % 480 rpm	Duty cycle Insulation of Service fac	Insulation class Service factor Temperature rise		
Locked rotor time	e :2	21s (cold) 12s (hot)	l			
Rev.		Changes Summary		Performed	Checked	Date
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Checked by					Page	Revision
Date	12/04/2022				5/21	
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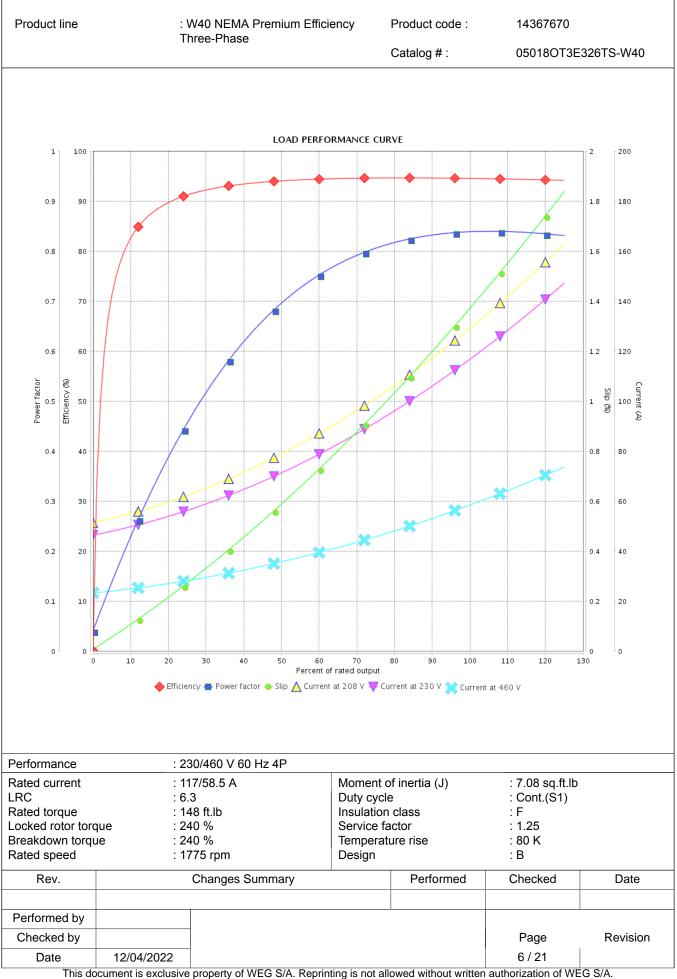
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Three Phase Induction Motor - Squirrel Cage

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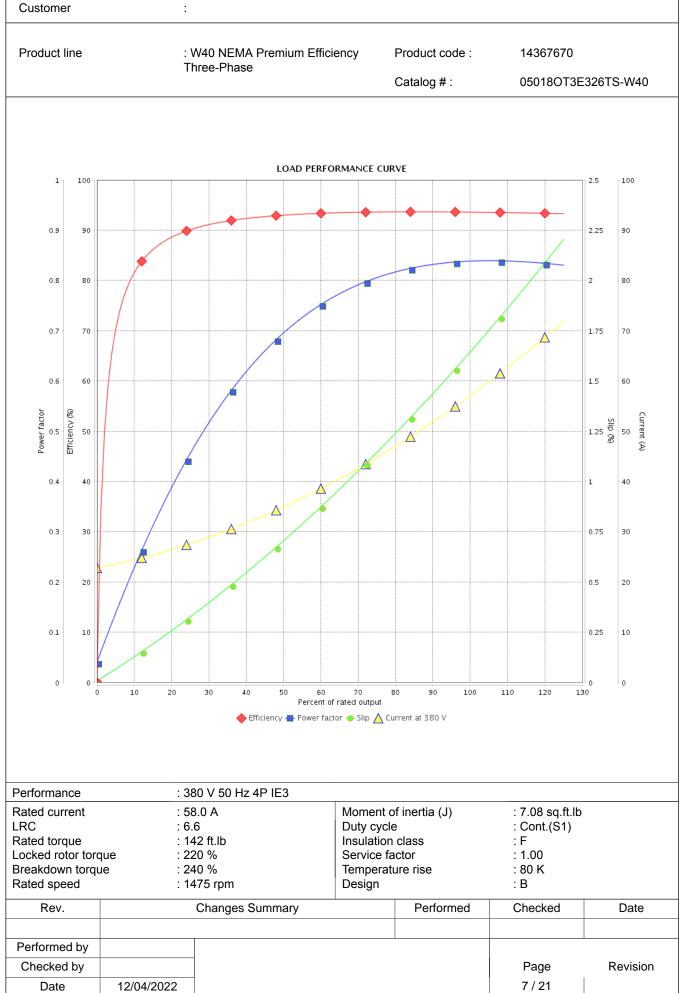


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



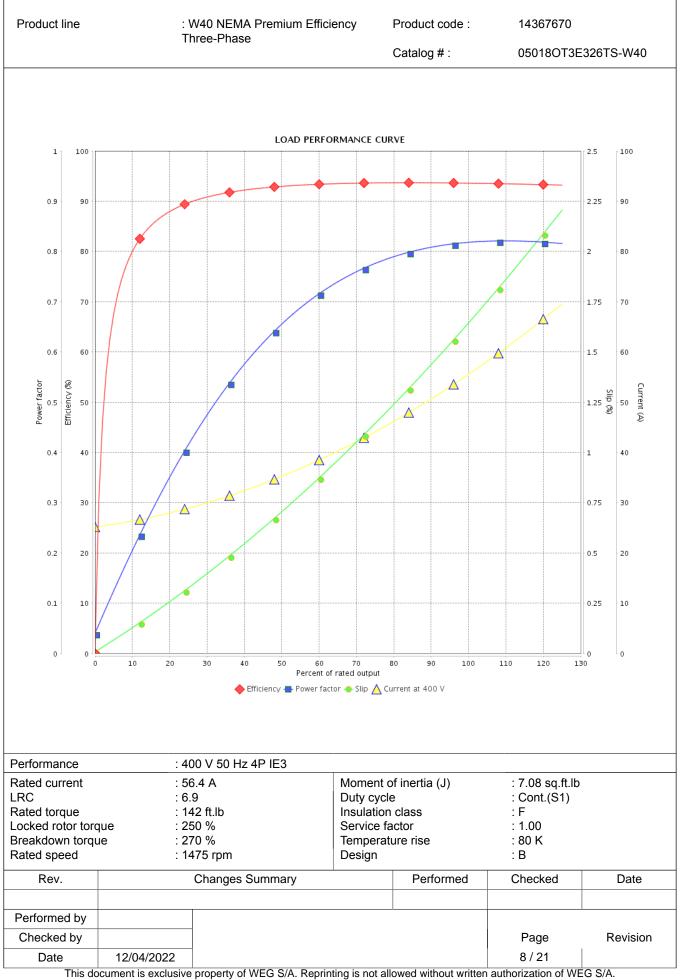
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Three Phase Induction Motor - Squirrel Cage

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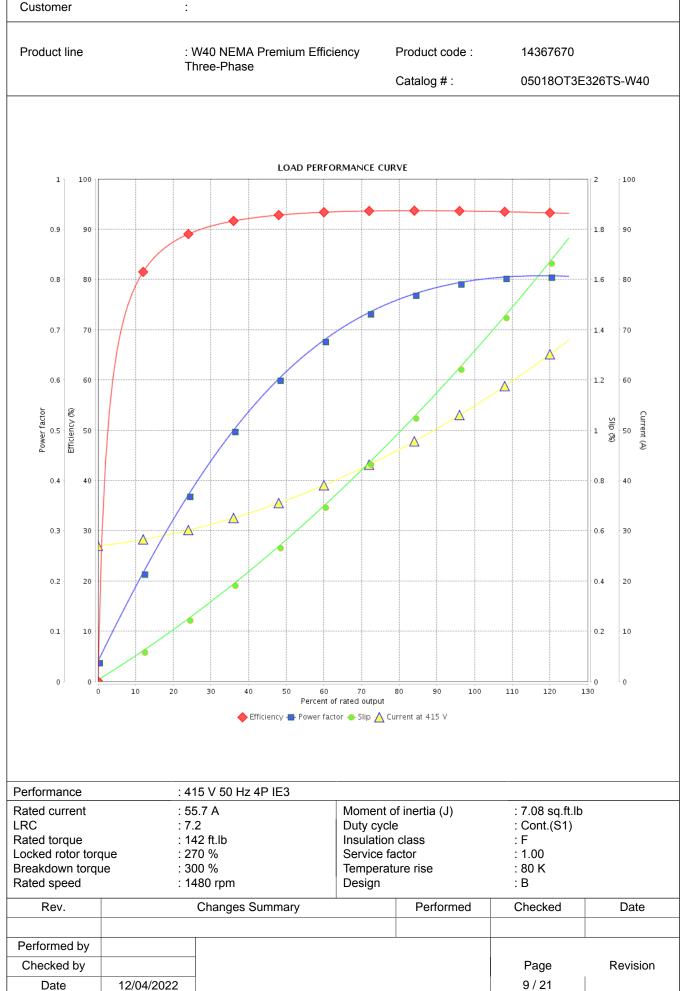


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Three Phase Induction Motor - Squirrel Cage

Customer



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THERMAL LIMIT CURVE

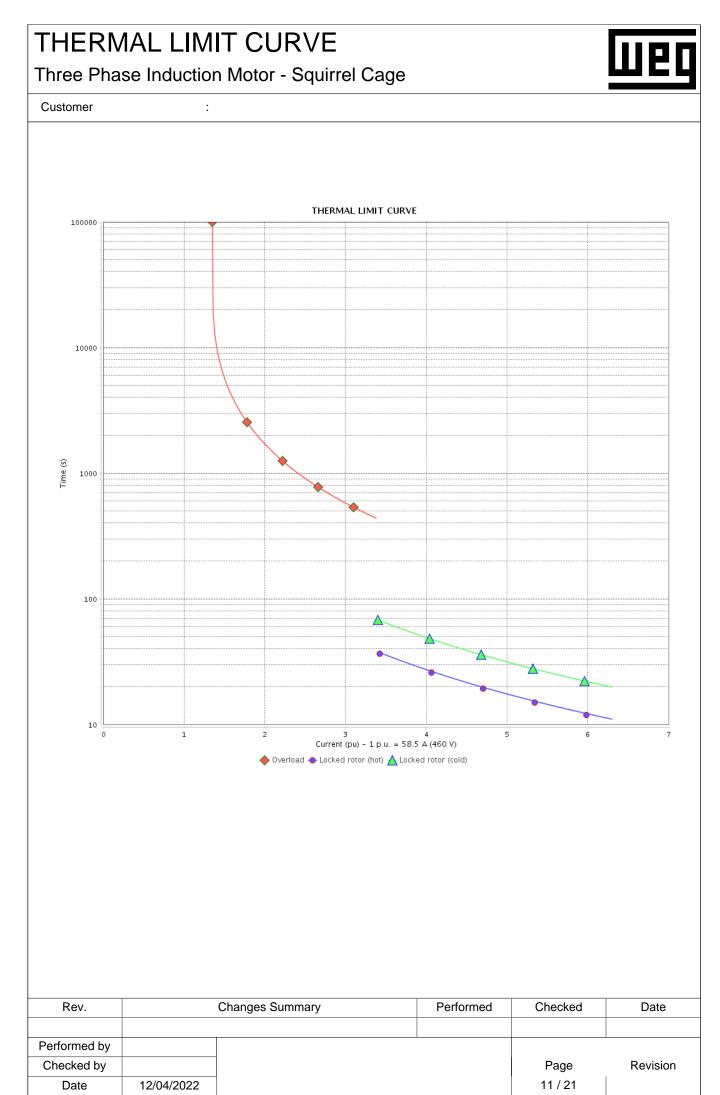
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		W40 NEMA Premium Efficie	ency	Product code :	14367670		
				Catalog # :	05018OT3E3	26TS-W40	
Performance	: 2	30/460 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 1 : 6 : 1 jue : 2 ie : 2	17/58.5 A	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constant	t						
Cooling constant							
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THERMAL LIMIT CURVE

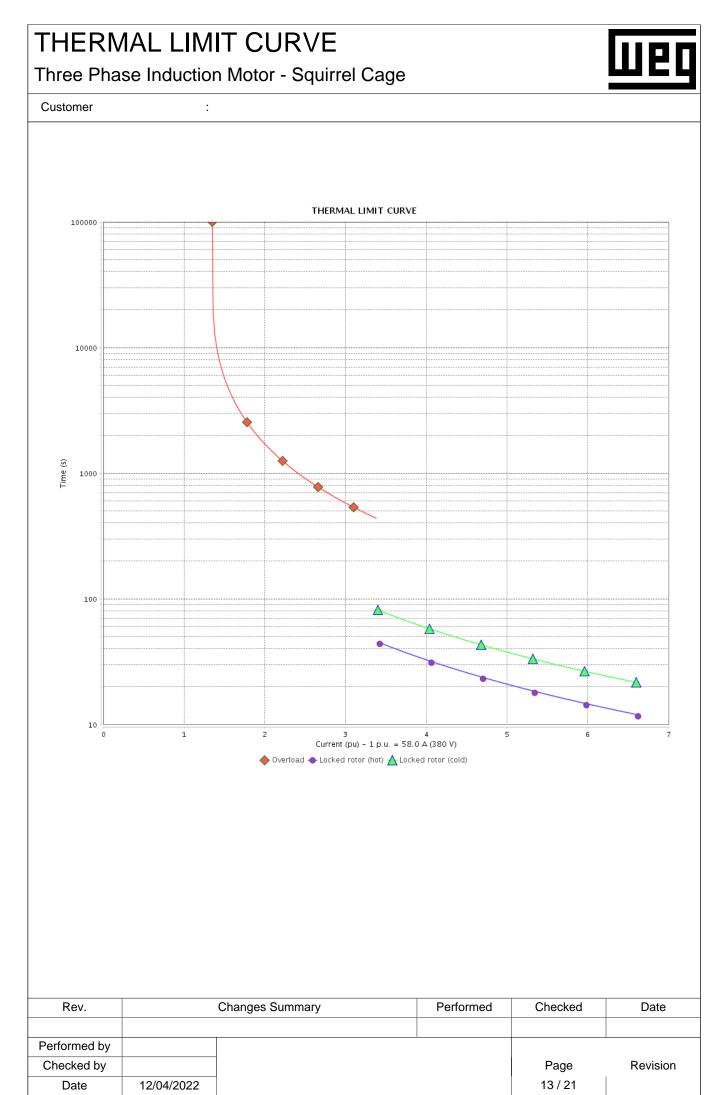
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code : 14367670		
				Catalog # :	05018OT3E3	26TS-W40
				Catalog # :	05018OT3E3	26TS-W40
Performance	• 35	30 V 50 Hz 4P IE3				
Rated current		3.0 A	Moment o	f inertia (J)	: 7.08 sq.ft.lb	
LRC	: 6.	6	Duty cycle	;	: Cont.(S1)	
Rated torque		42 ft.lb	Insulation		: F	
Locked rotor torc Breakdown torqu	que : 22	20 % 40 %	Service fa Temperatu		: 1.00 : 80 K	
Rated speed		40 % 475 rpm	Design	liense	: B	
Heating constant			Design		. U	
Cooling constant						
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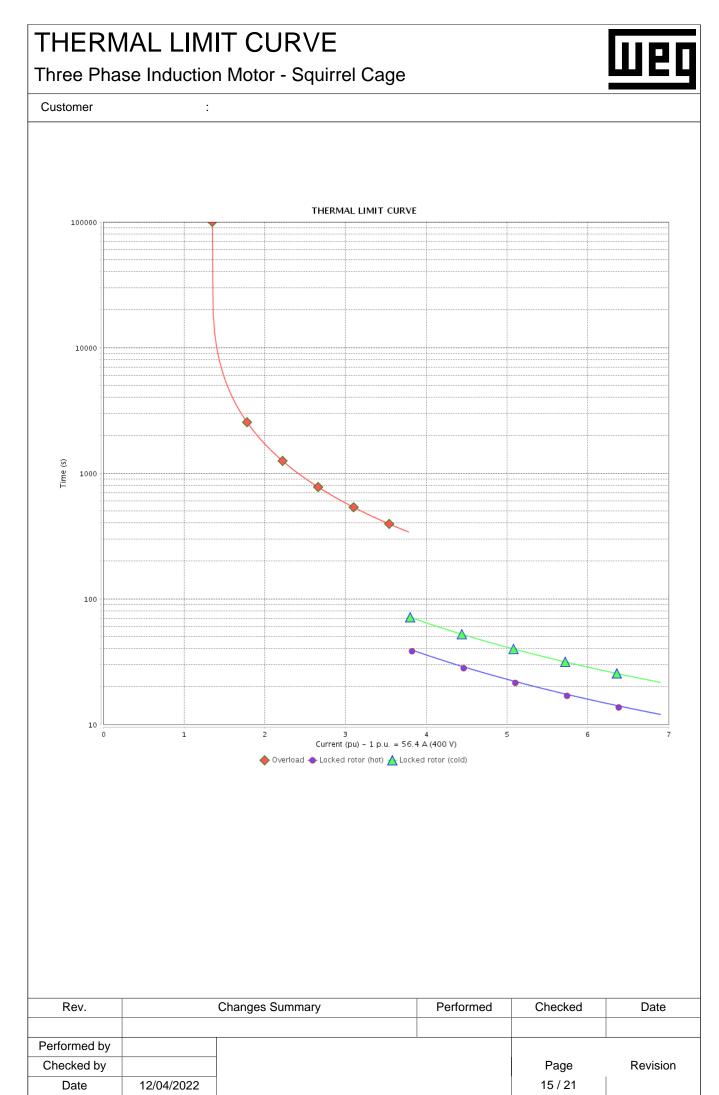
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		N40 NEMA Premium Efficie hree-Phase	ency	Product code :	14367670		
				Catalog # :	05018OT3E3	26TS-W40	
Performance	: 40	00 V 50 Hz 4P IE3					
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 56 : 6. : 14 gue : 25 Je : 27	6.4 A	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constan	t						
Cooling constant							
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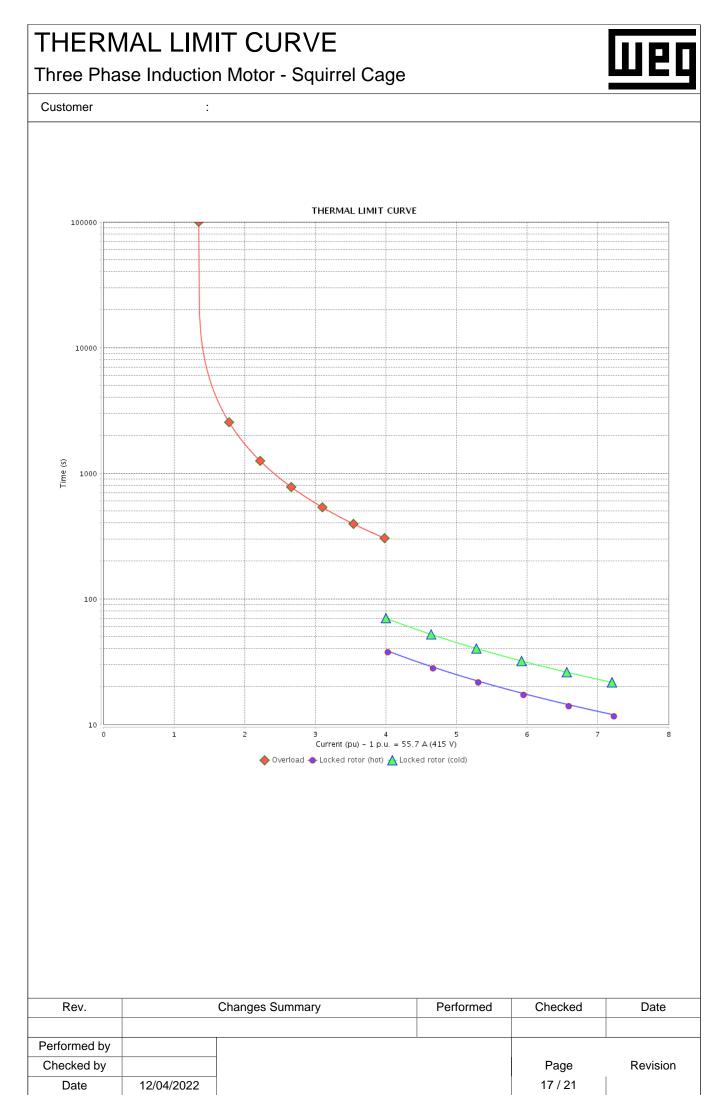
Three Phase Induction Motor - Squirrel Cage

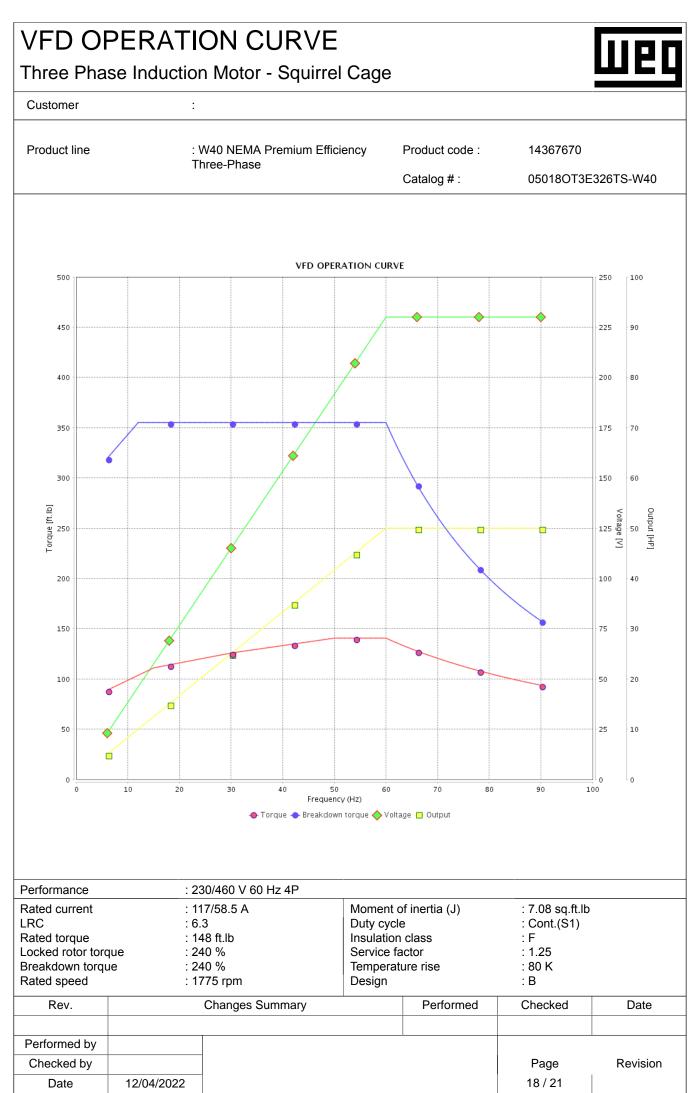
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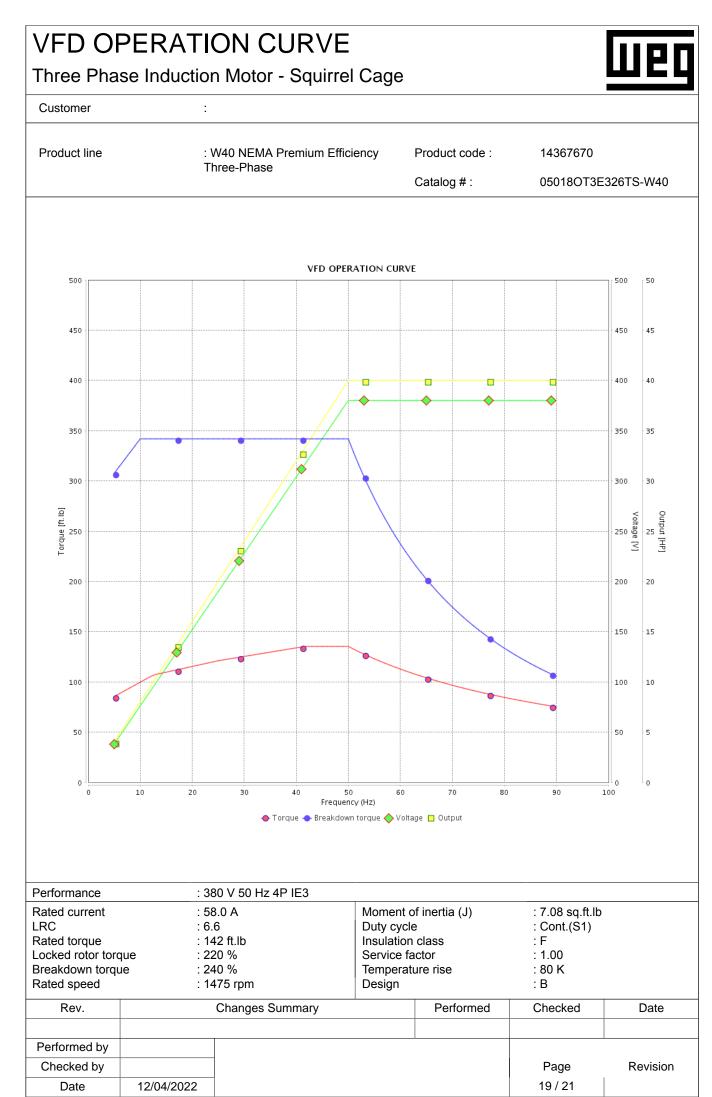


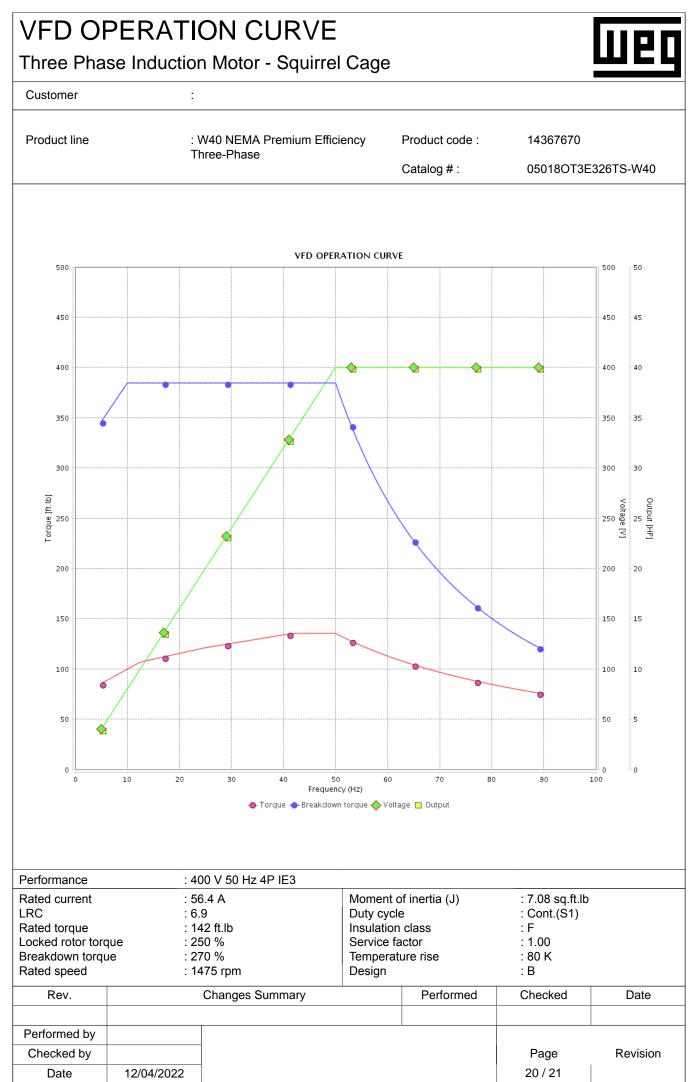
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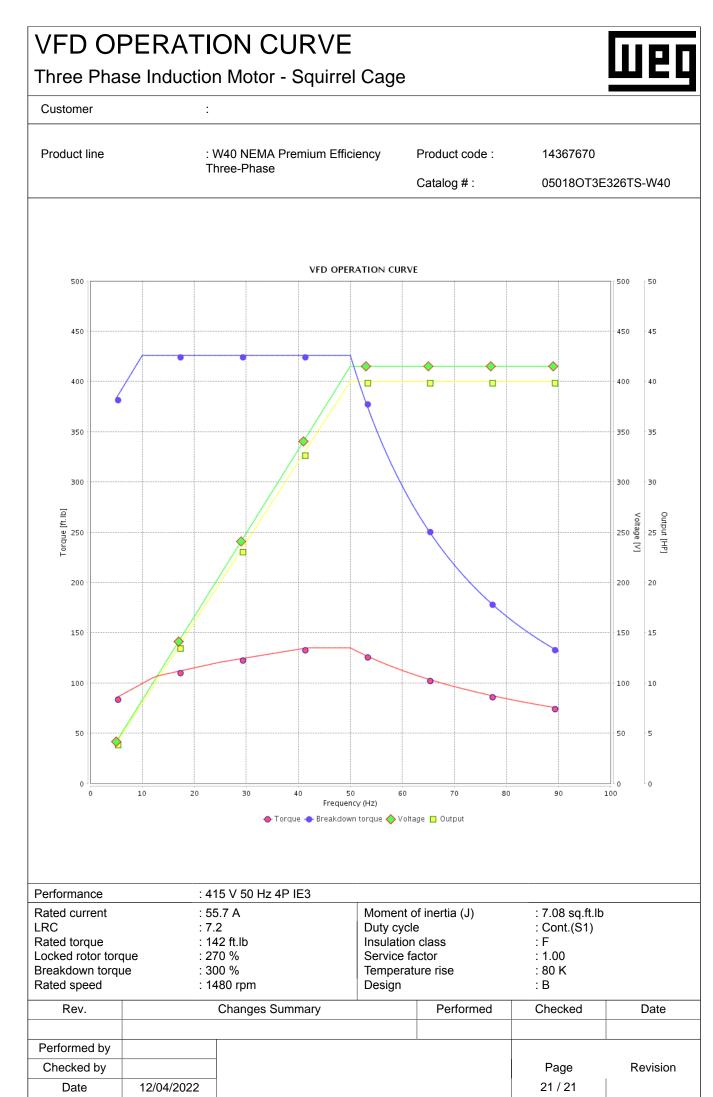
Product line		W40 NEMA Premium Efficie hree-Phase	ency l	Product code :	14367670	
			(Catalog # :	05018OT3E	326TS-W40
Performance	: 41	15 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7. : 14 que : 27 ue : 30	5.7 A 2 42 ft.lb 70 % 00 % 480 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constan	t				· · · · · · · · · · · · · · · · · · ·	
Cooling constant	t					
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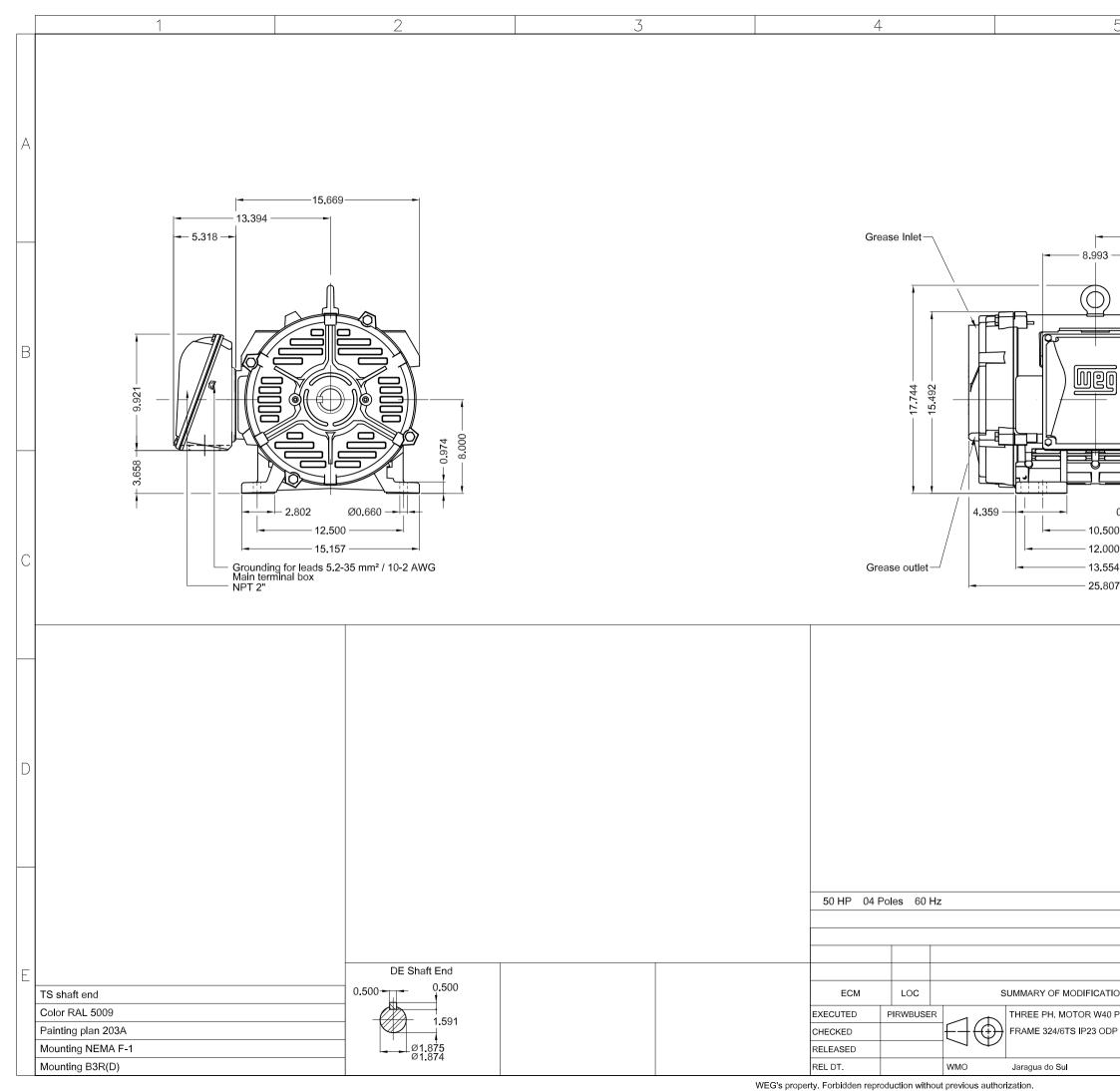












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