DATA SHEET

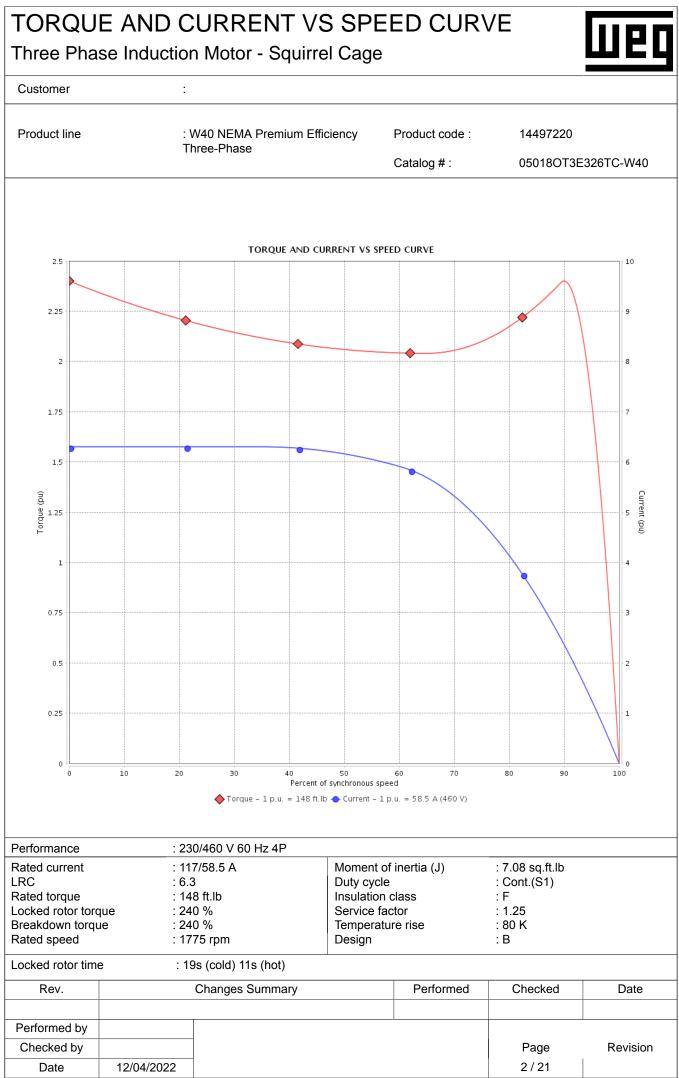
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase			Product code :		14497220	
		Thee-Fhase		Cata	llog # :	05018C	T3E326TC-W40	
Insulation class: FDuty cycle: CAmbient temperature: -2Altitude: 1Protection degree: IF		: 324/6TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23	: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l.		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 : 527 lb : 7.08 sq.ft.lb	
Design		: B						
Dutput [HP]		50 4		40	40)	40	
		60		4 50	4		<u> </u>	
Frequency [Hz] 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	Social Social States St	6.9x(Co		7.2x(Code J)	
No load current [A	1	46.4/23.2	0.0	22.8	25.		27.0	
Rated speed [RPN		1775		1475	147		1480	
	''J	1.39		1.67	147		1.33	
Rated torque [ft.lb	1	148		142	1.0		142	
ocked rotor torqu		240		220	250		270	
Breakdown torque		240		240	230		300	
Service factor	L/*J	1.25		1.00	1.0		1.00	
Temperature rise		80 K		80 K	80		80 K	
Locked rotor time		19s (cold) 11s (hot)	215 (0	cold) 12s (hot)	21s (cold)		21s (cold) 12s (hot)	
Noise level ²		66.0 dB(A)	(
	25%	94.0		92.9	92.	9	92.9	
	50%	94.1		93.1	93.		93.1	
Efficiency (%)	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	
	50%	0.70		0.70	0.6		0.62	
Power Factor	75%	0.80		0.80	0.7		0.74	
	100%	0.84		0.84	0.8		0.80	
Drive end Bearing typeNon driv 6312 Z C3Sealing:Without Bearing Seal 2000 hWith 2000		1 Z C3 ithout ing Seal 000 h 11 g	Foundation lo Max. traction Max. compres					
Notes USABLE @208V	129A SF 1.7	15 SFA 149A						
This revision repl must be eliminate (1) Looking the m	ed. lotor from the Im and with t	ncel the previous one, when the previous one, when the shaft end. Noterance of +3dB(A). Not to changes after	hich				ts with sinusoidal stipulated in NEMA	
(2) Measured at 1	ocess.							
(2) Measured at 1 (3) Approximate v manufacturing pro	ocess.	Changes Summary	,	P	Performed	Checked	Date	
(2) Measured at ((3) Approximate v manufacturing pro (4) At 100% of ful	ocess.	Changes Summary	,	P	Performed	Checked	Date	
(2) Measured at 7 (3) Approximate 0 manufacturing pro (4) At 100% of ful Rev.	ocess.	Changes Summary	,	P	Performed	Checked	Date	

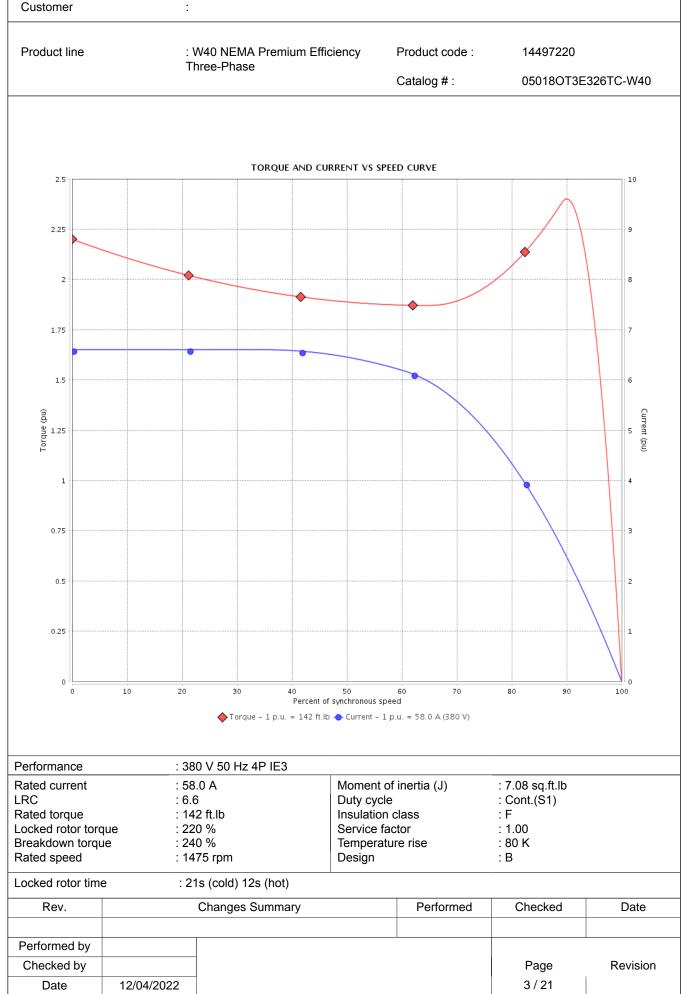


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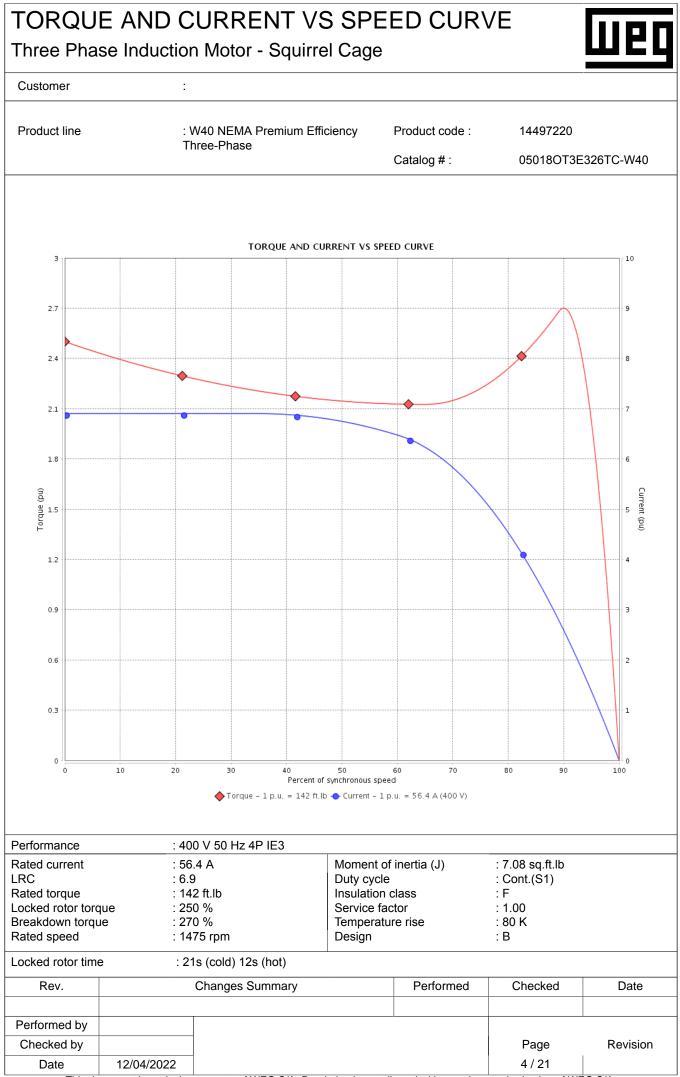
TORQUE AND CURRENT VS SPEED CURVE

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 : 14497220 Three-Phase Catalog # : 05018OT3E326TC-W40 TORQUE AND CURRENT VS SPEED CURVE 10 2.7 9 2.4 2.1 1.8 6 Current Torque (pu) 1.5 5 ĝ 1.2 0.9 0.6 2 0.3 1 0 0 10 20 90 100 ò 30 40 50 60 70 80 Percent of synchronous speed 🔶 Torque – 1 p.u. = 142 ft.lb 🔷 Current – 1 p.u. = 55.7 A (415 V) Performance : 415 V 50 Hz 4P IE3 Rated current : 55.7 A Moment of inertia (J) : 7.08 sq.ft.lb LRC : 7.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 142 ft.lb : F Locked rotor torque : 270 % Service factor : 1.00 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1480 rpm Design : B Locked rotor time : 21s (cold) 12s (hot)

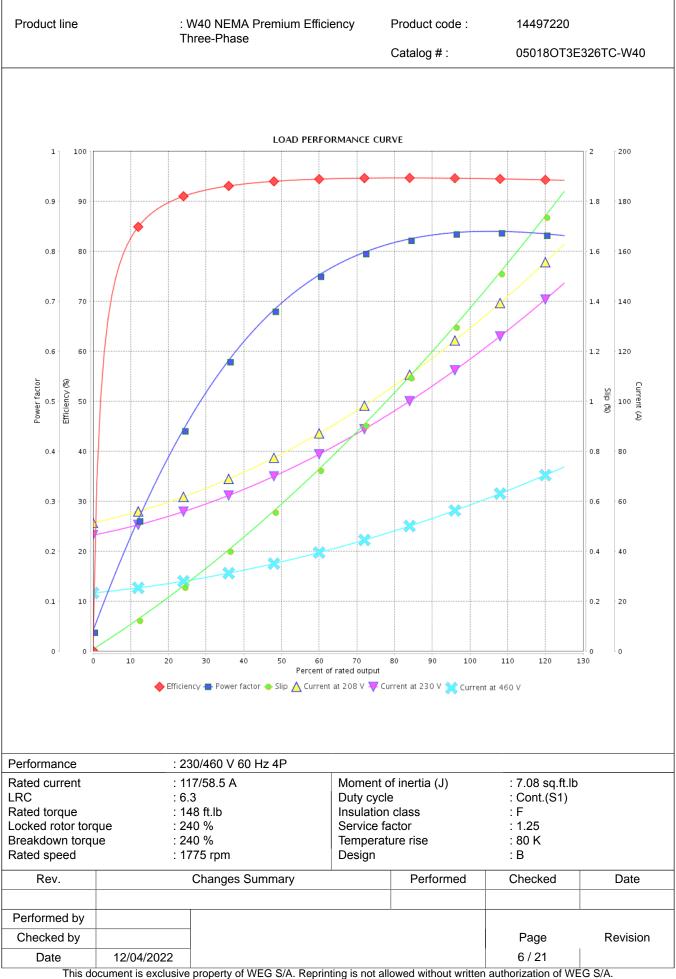
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Three Phase Induction Motor - Squirrel Cage

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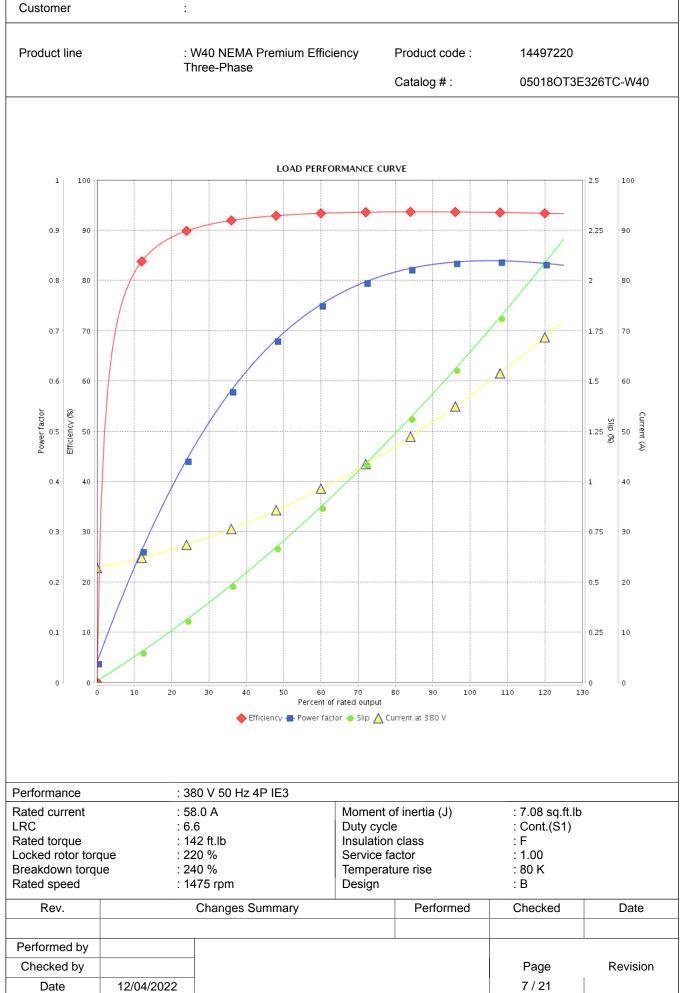


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Three Phase Induction Motor - Squirrel Cage

Customer



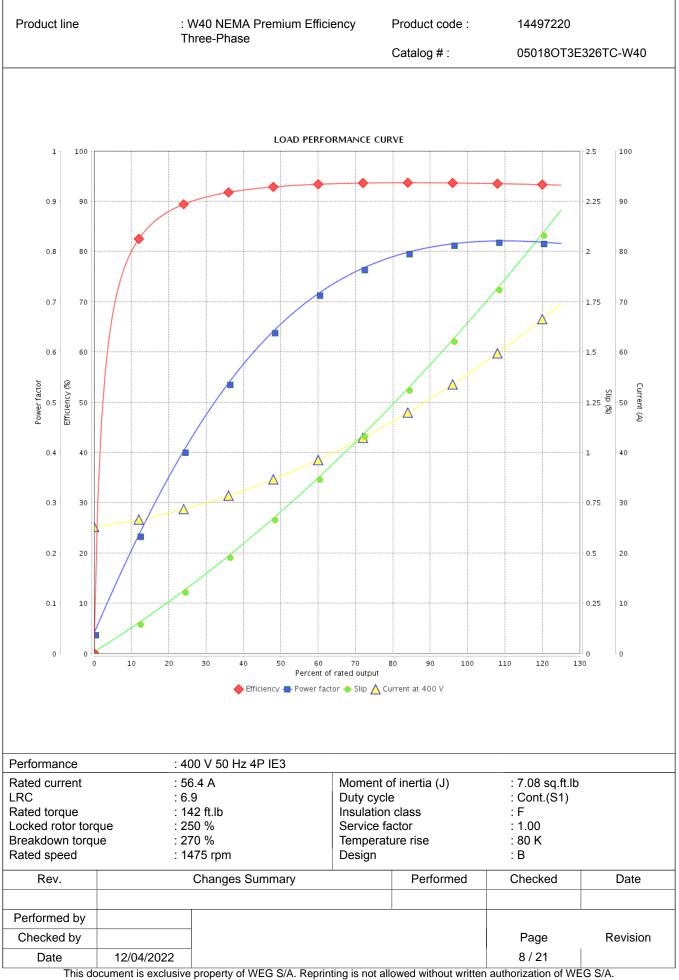
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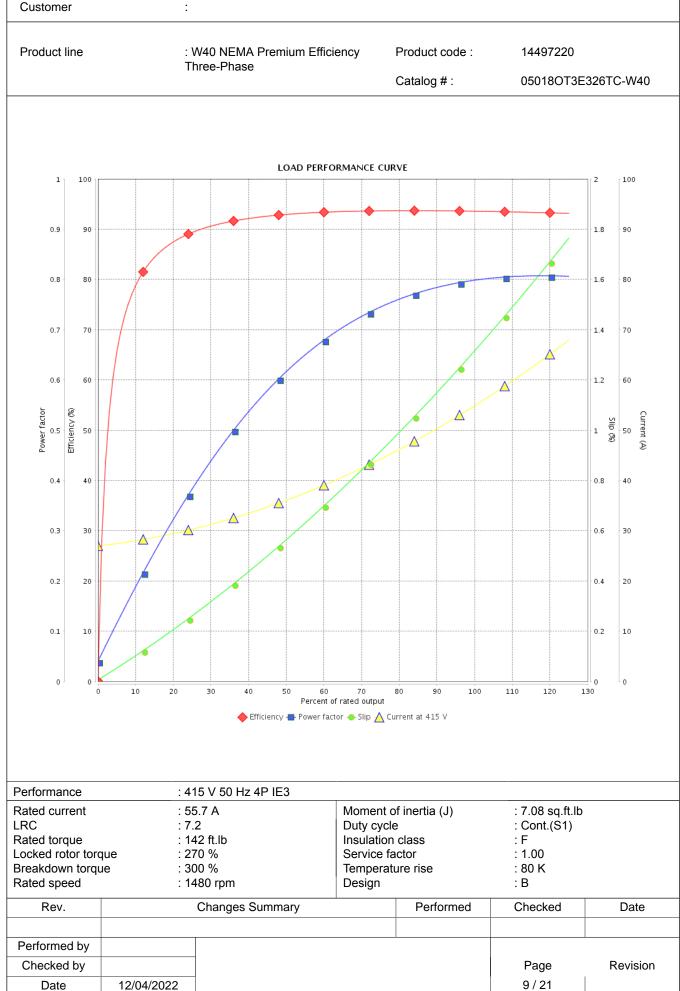


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Three Phase Induction Motor - Squirrel Cage

Customer



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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

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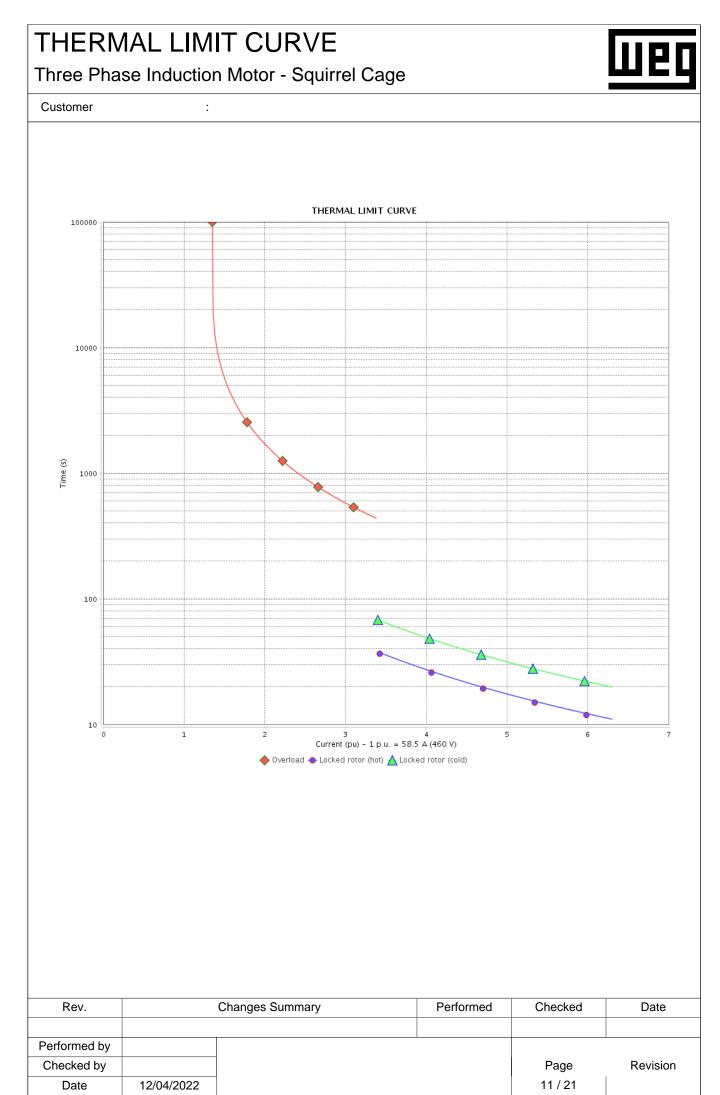
Customer

Product line		W40 NEMA Premium Efficie hree-Phase	ency Product code :		14497220		
				Catalog # :	05018OT3E3	26TC-W40	
Performance	: 23	30/460 V 60 Hz 4P					
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6. : 14 que : 24 Je : 24	17/58.5 A 3 48 ft.lb 40 % 40 % 775 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constan	t						
Cooling constant	t						
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

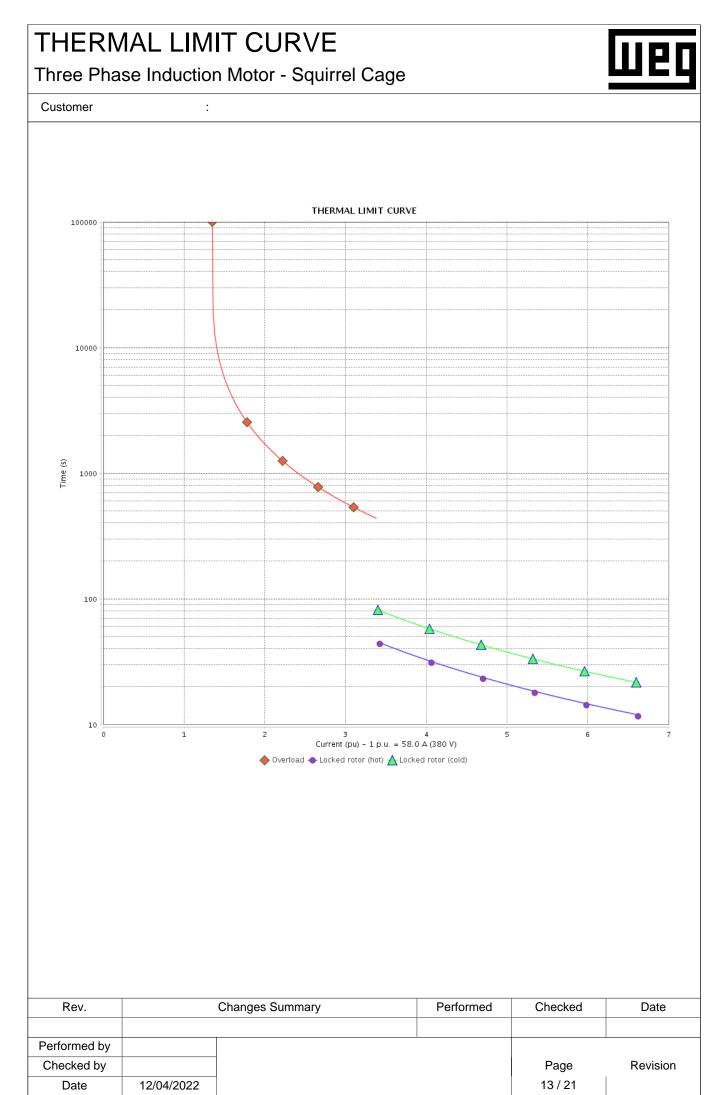
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Customer

Product line		W40 NEMA Premium Efficie hree-Phase			14497220		
				Catalog # :	05018OT3E3	26TC-W40	
				Catalog # :	0501801383	s261C-W40	
Performance	: 38	30 V 50 Hz 4P IE3					
Rated current LRC Rated torque Locked rotor toro Breakdown torqu	: 58 : 6. : 14 que : 22	3.0 A	Moment o Duty cycle Insulation Service fa Temperatu	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K		
Rated speed		475 rpm	Design		: B		
Heating constant							
Cooling constant		Changes Summer :		Dorformed	Chaolicad	Dete	
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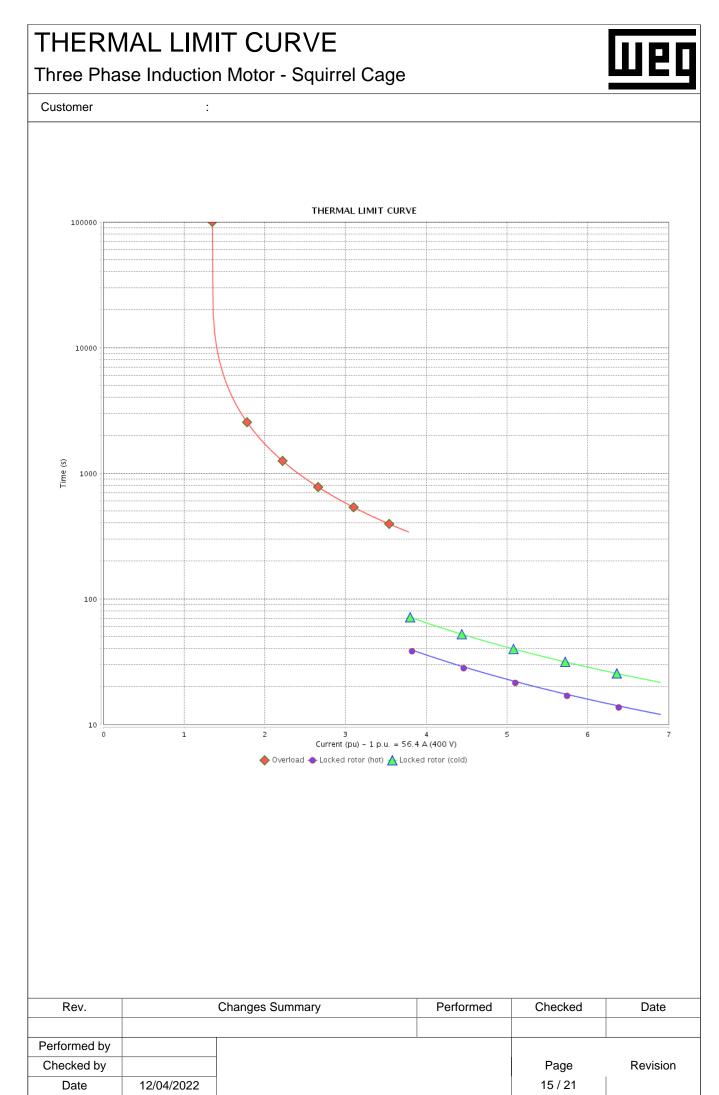
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14497220	14497220		
				Catalog # :	05018OT3E3	26TC-W40		
Performance		400 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	:(;; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	56.4 A 6.9 142 ft.lb 250 % 270 % 1475 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant	t							
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

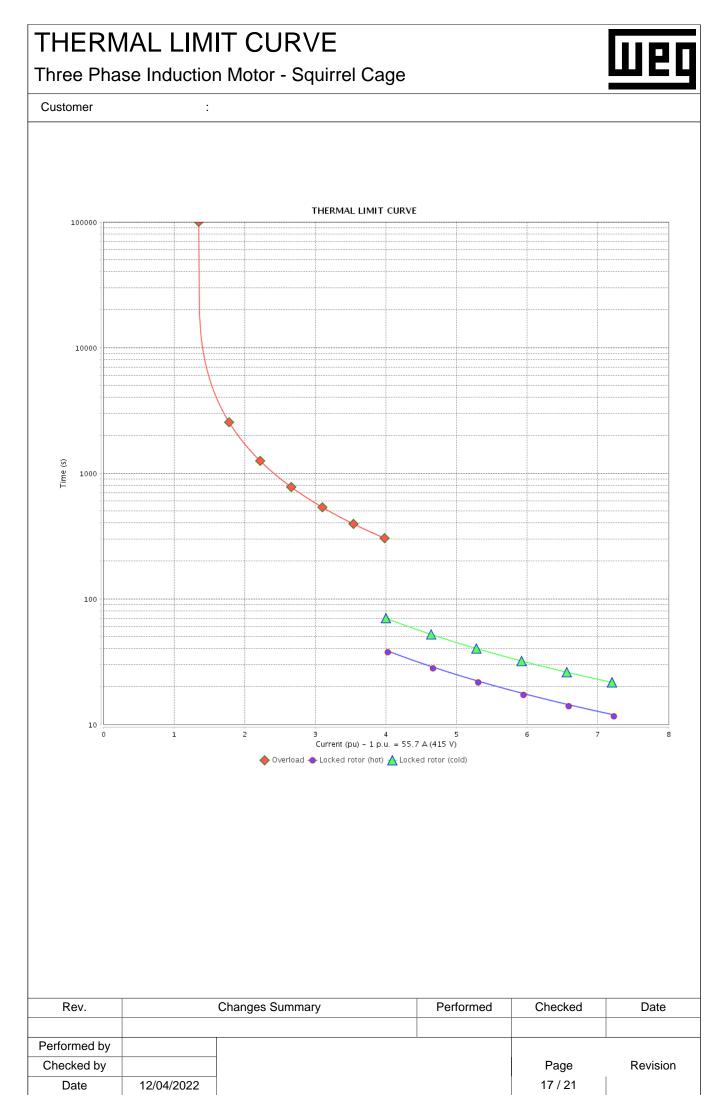
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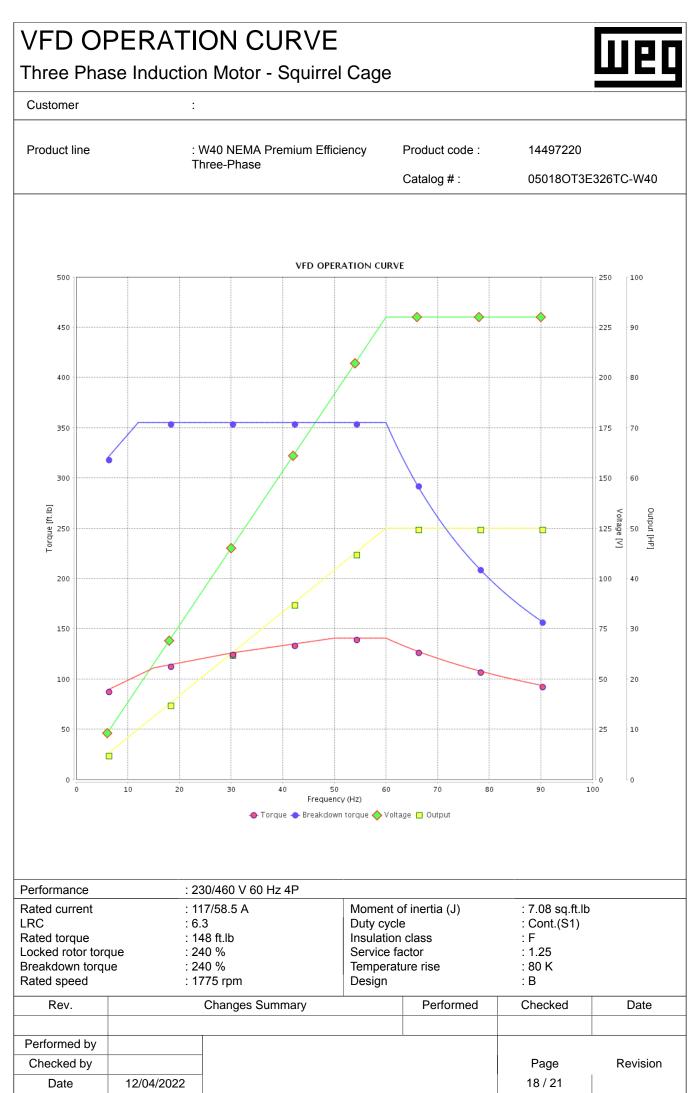


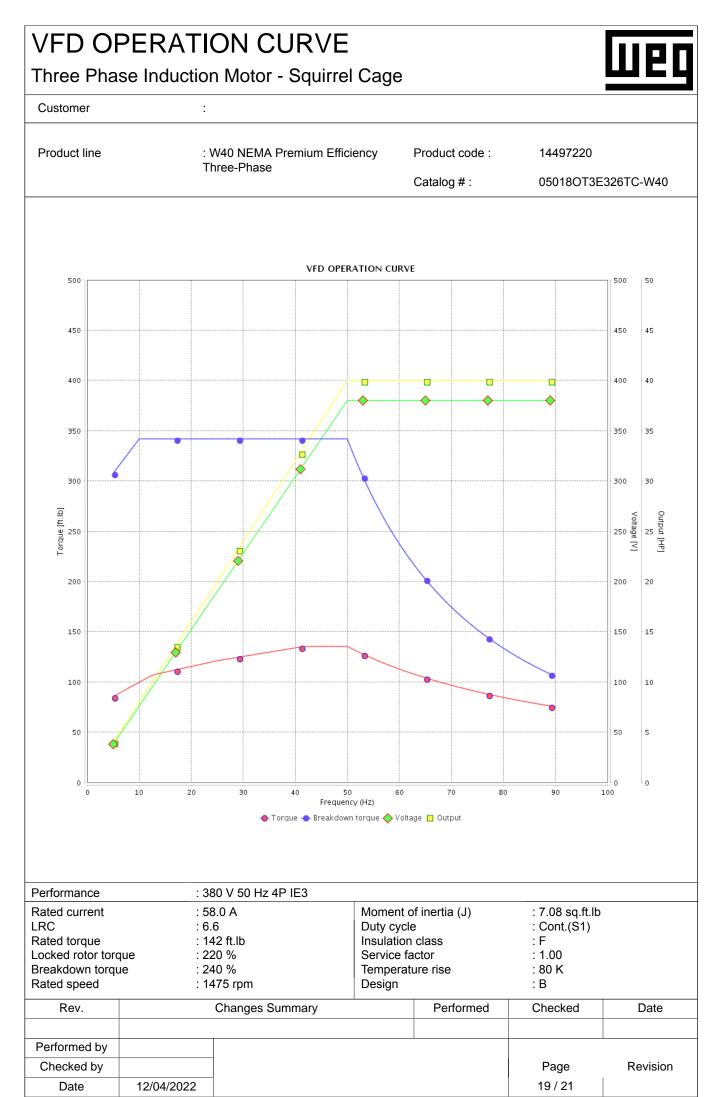
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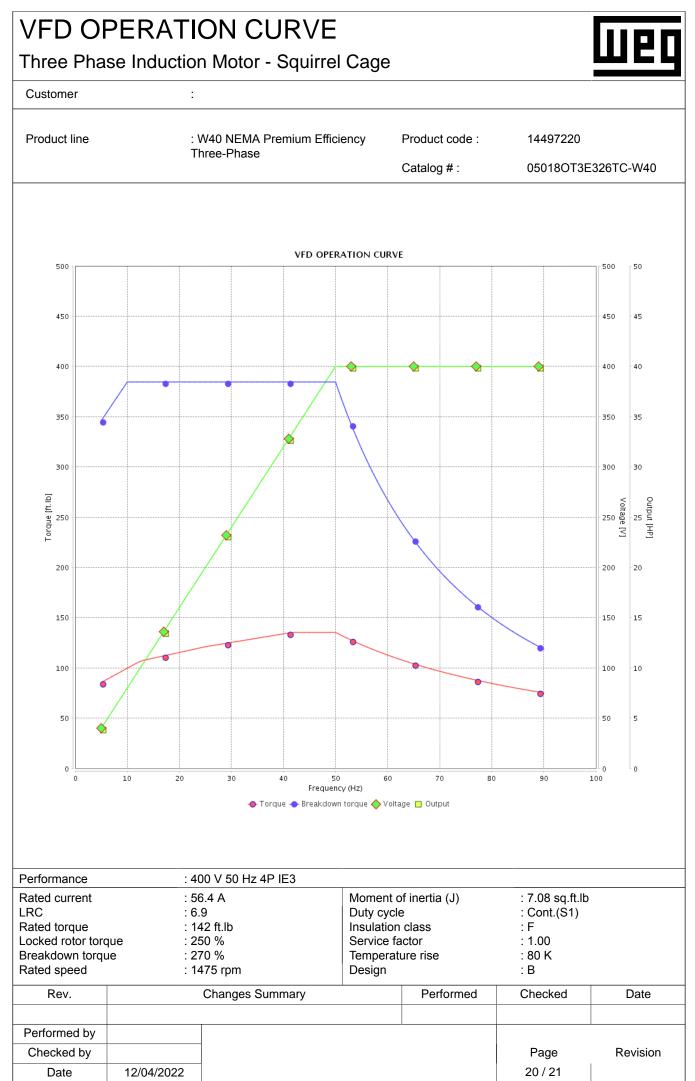
Product line		: W40 NEMA Premium Efficiency		Product code :	14497220	14497220		
	F	Three-Phase		Catalog # :	05018OT3E32	26TC-W40		
Performance	: 4	415 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 7 ; 1 que : 2 Je : 3	55.7 A 7.2 142 ft.lb 270 % 300 % 1480 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 7.08 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
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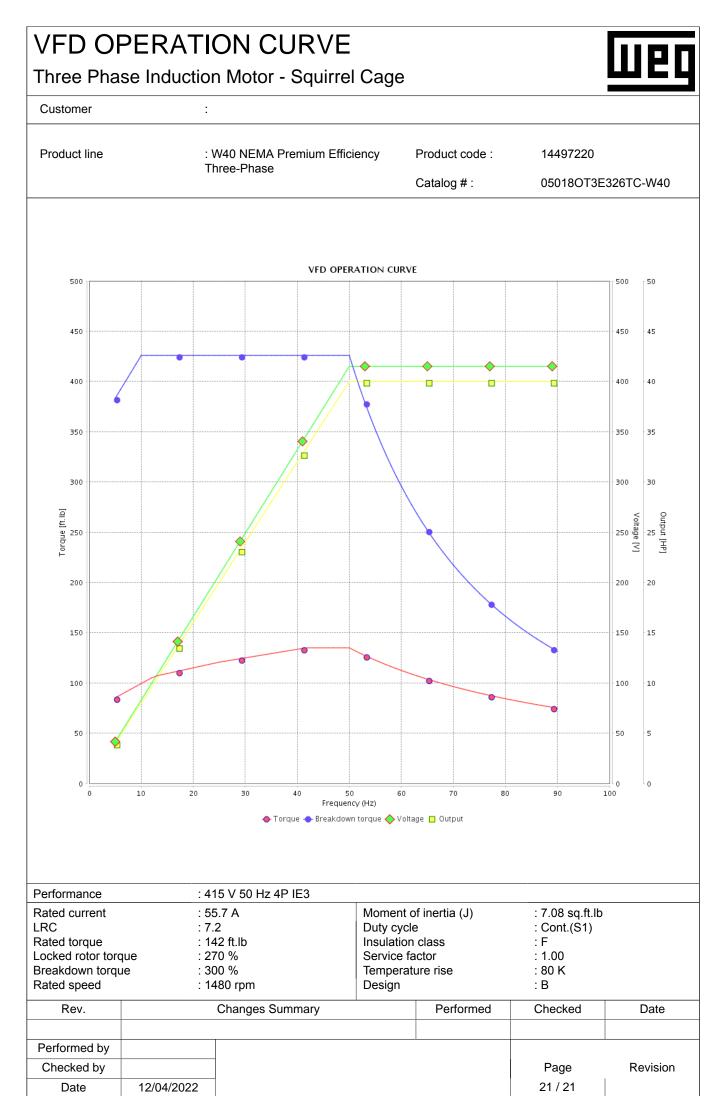
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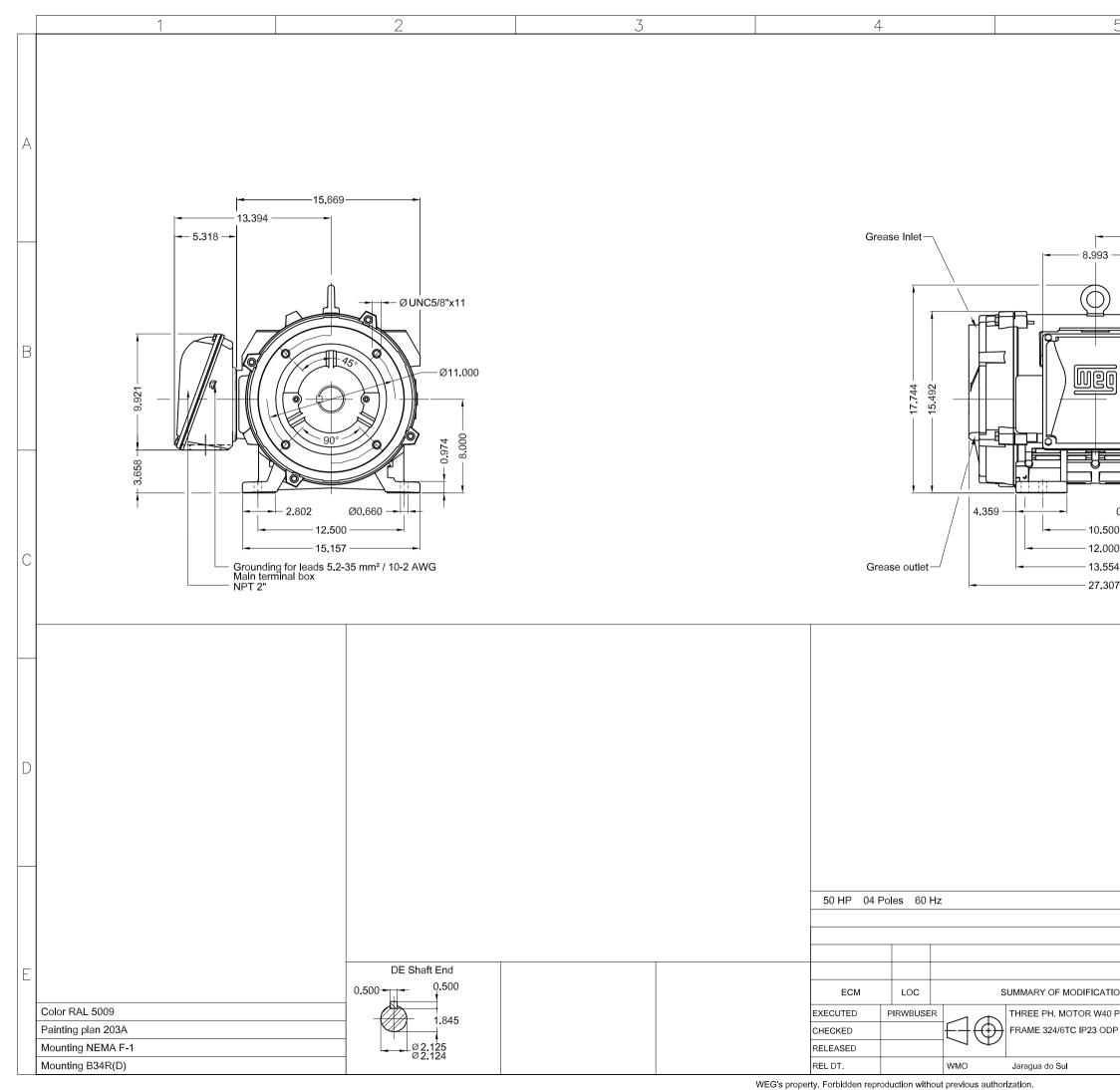












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