DATA SHEET

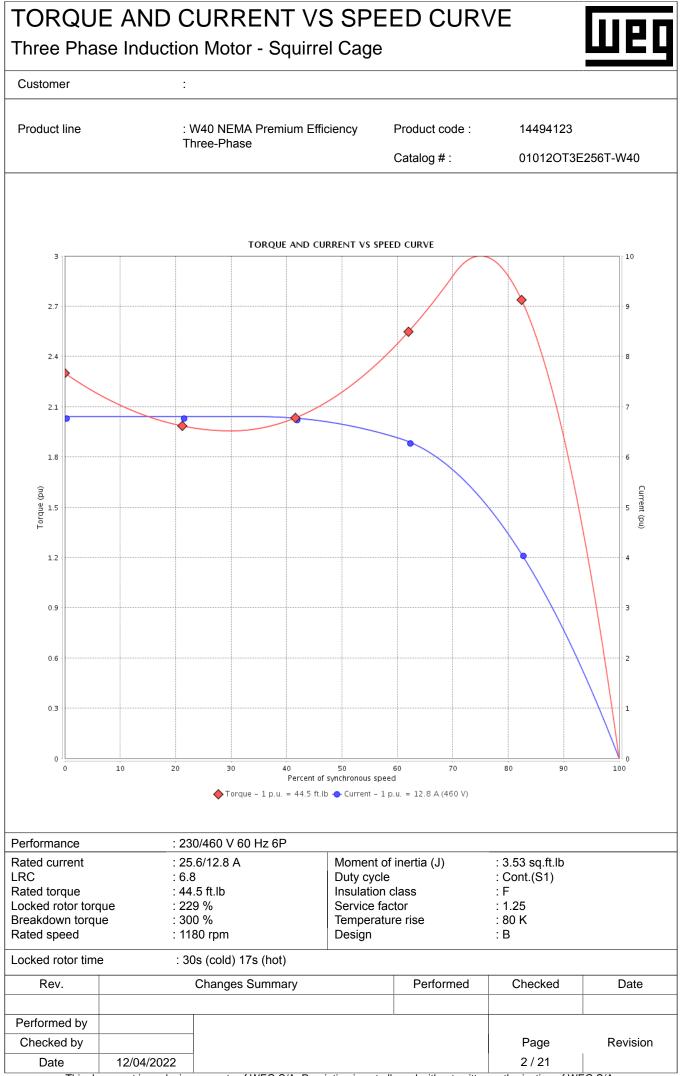
Three Phase Induction Motor - Squirrel Cage

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Customer

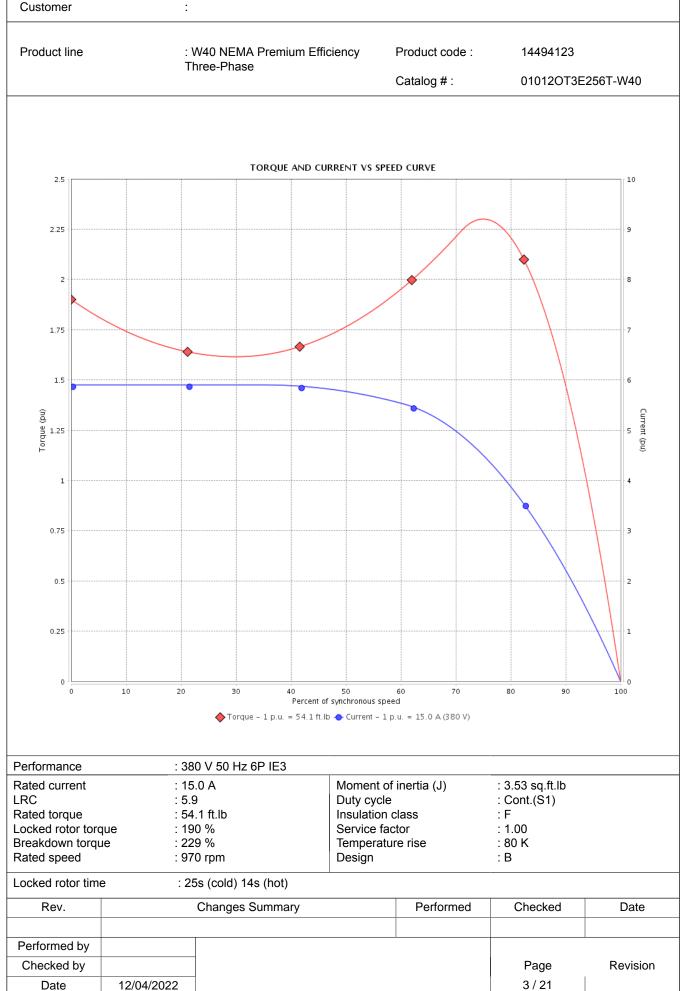
Product line		: W40 NEMA Premiun Three-Phase	ncy Proc	y Product code :		14494123		
				Cata	alog # :	01012C	T3E256T-W40	
Frame		: 254/6T		Cooling met	hod	: IC01 -	ODP	
Insulation class		: F		Mounting		: F-1		
Duty cycle		: Cont.(S1)		Rotation ¹		: Both (CW and CCW)		
Ambient tempera	ature	: -20°C to +40°C		Starting method		: Direct On Line		
Altitude		: 1000 m.a.s.l.			ght³	: 267 lb		
Protection degre Design	e	: IP23 : B		Moment of i	nertia (J)	: 3.53 s	q.ft.lb	
Dutput [HP]		10		10	10		10	
Poles		6		6	6		6	
requency [Hz]		60		50	50		50	
Rated voltage [V]		230/460		380	40		415	
Rated current [A]		25.6/12.8		15.0	14.		14.3	
R. Amperes [A]		174/87.0		88.5	93.		94.4	
.RC [A]		6.8x(Code H)	5.9	9x(Code G)	6.4x(Cc		6.6x(Code H)	
lo load current [A	-	12.2/6.10		6.10	6.5		6.80	
Rated speed [RPN	И]	1180		970	97		975	
Slip [%]		1.67		3.00	2.5		2.50	
Rated torque [ft.lb]		44.5		54.1	53.		53.9	
ocked rotor torqu		229		190	21	0	229	
Breakdown torque		300		229	26	0	280	
Service factor		1.25		1.00	1.0	0	1.00	
emperature rise		80 K		80 K	80	ĸ	80 K	
ocked rotor time						14s (hot)	25s (cold) 14s (hot)	
loise level ²		59.0 dB(A)				. ,	. ,	
	25%	89.4		88.3	88.	3	88.3	
	50%	90.2		88.6	88.		88.6	
Efficiency (%)	75%	91.0		89.0	89.		89.0	
	100%	91.7	89.1		89.		89.1	
	25%	0.37		0.44	0.4		0.38	
	50%	0.62		0.70	0.6		0.63	
Power Factor	75%	0.74		0.80	0.0		0.76	
	100%	0.80		0.85	0.8		0.82	
	10070		ive end	Foundation lo		-	0.02	
Bearing type								
• • •		: Without Without		Max. traction				
Sealing				Max. compre	SSION			
Lubrication interv	/al		ing Seal 000 h					
Lubricant amoun			000 n 9 g					
	it.	: Mobil Polyrex E						
Lubricant type			_1VI					
Notes USABLE @208V	28.3A SF 1.	15 SFA 32.6A						
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t	tolerance of +3dB(A).	hich				ts with sinusoidal stipulated in NEMA	
manufacturing pro (4) At 100% of ful	ocess.	ct to changes after						
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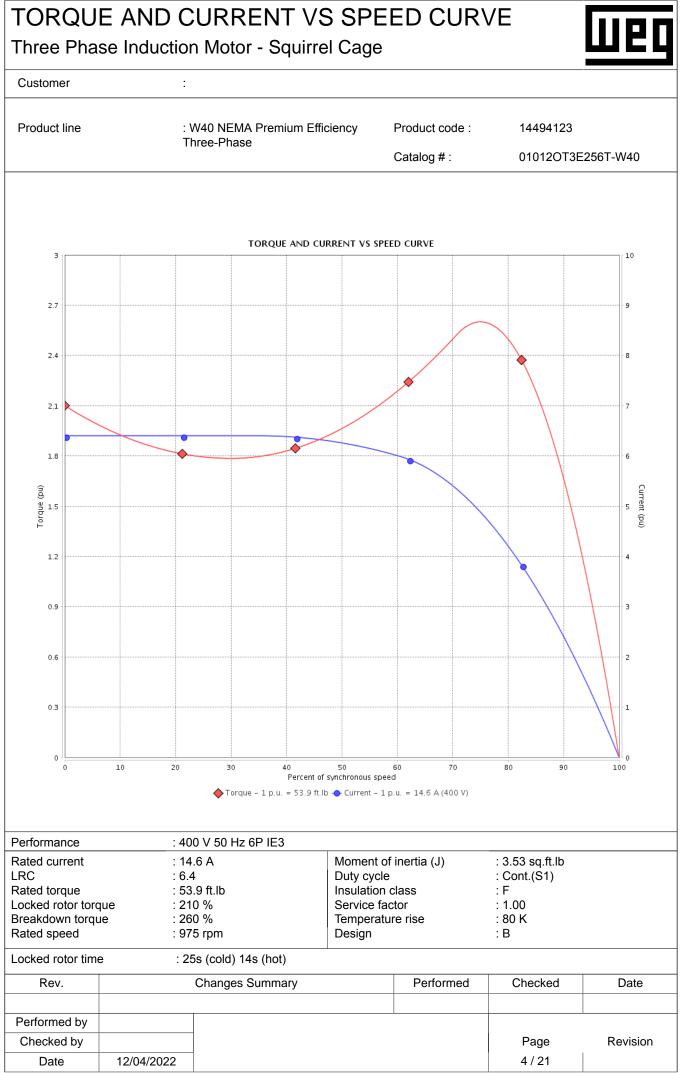
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



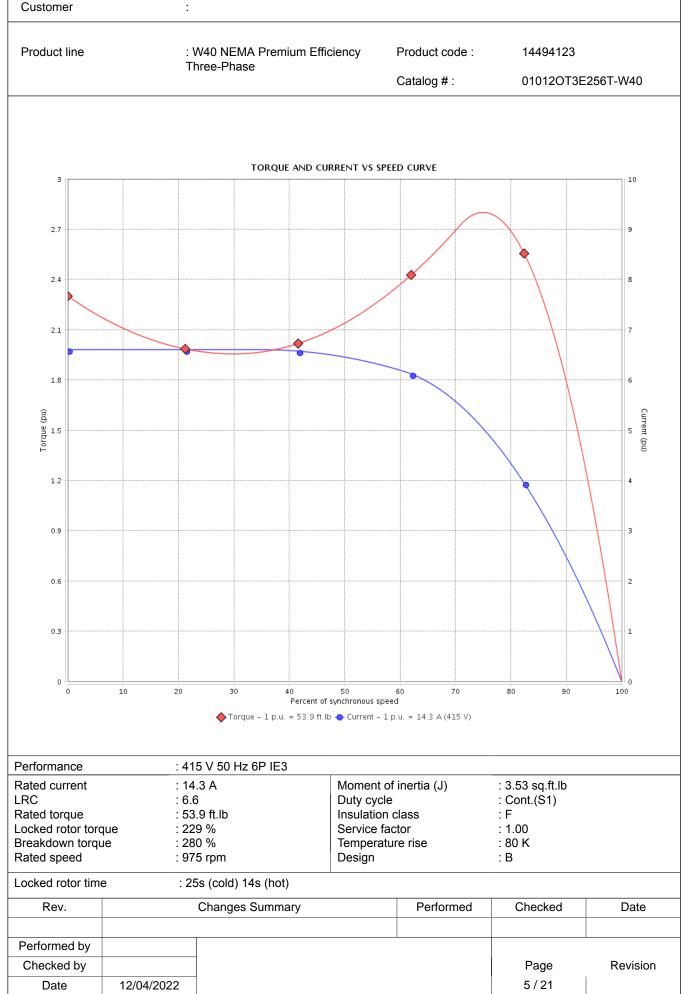
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



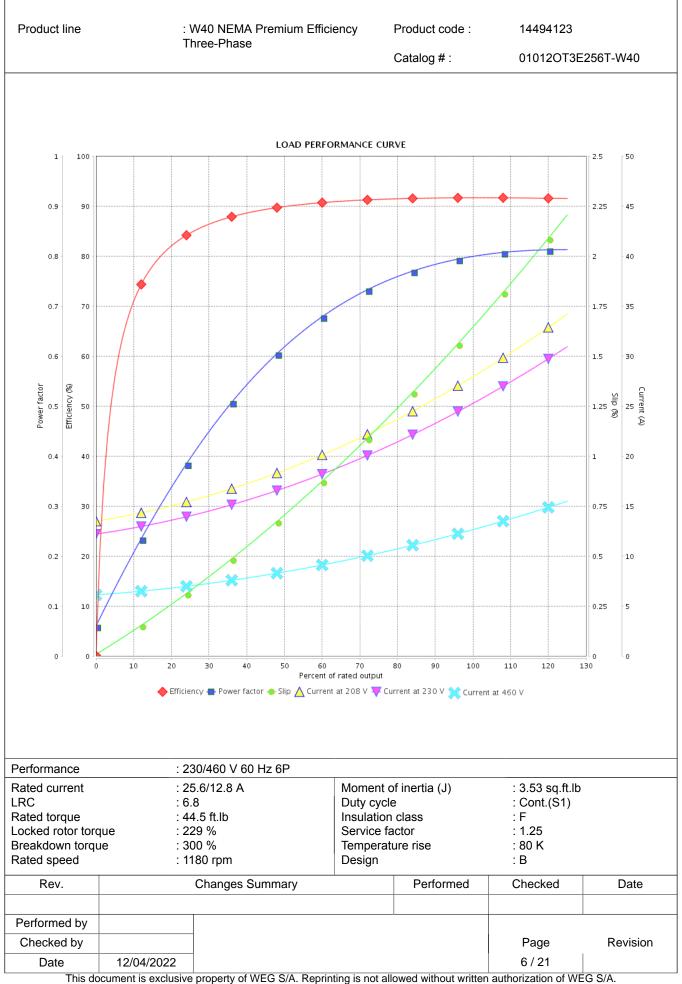
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Three Phase Induction Motor - Squirrel Cage

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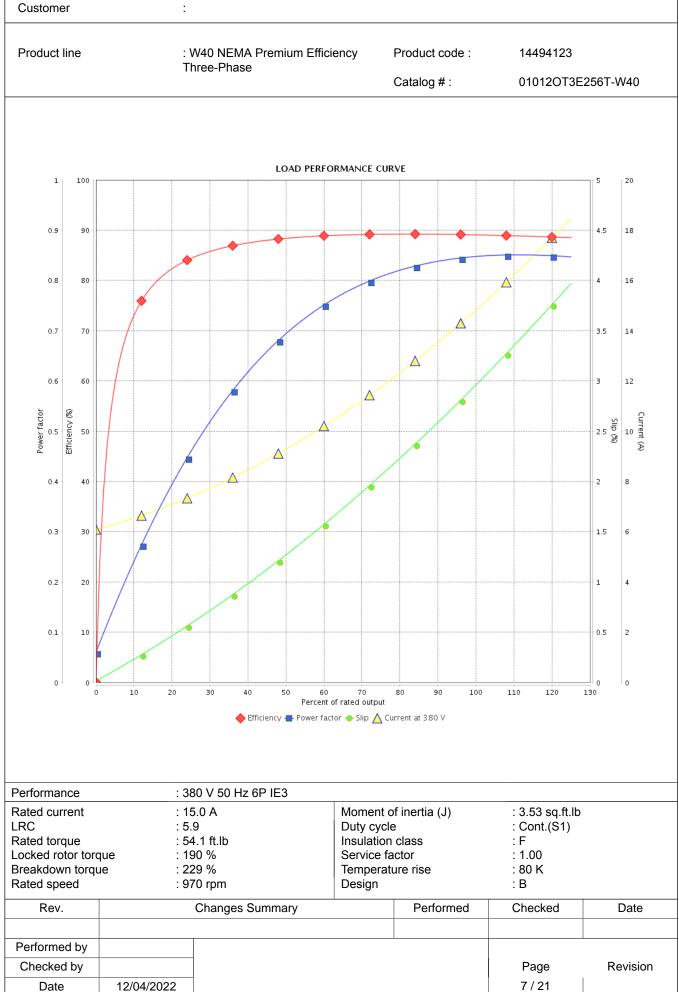


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



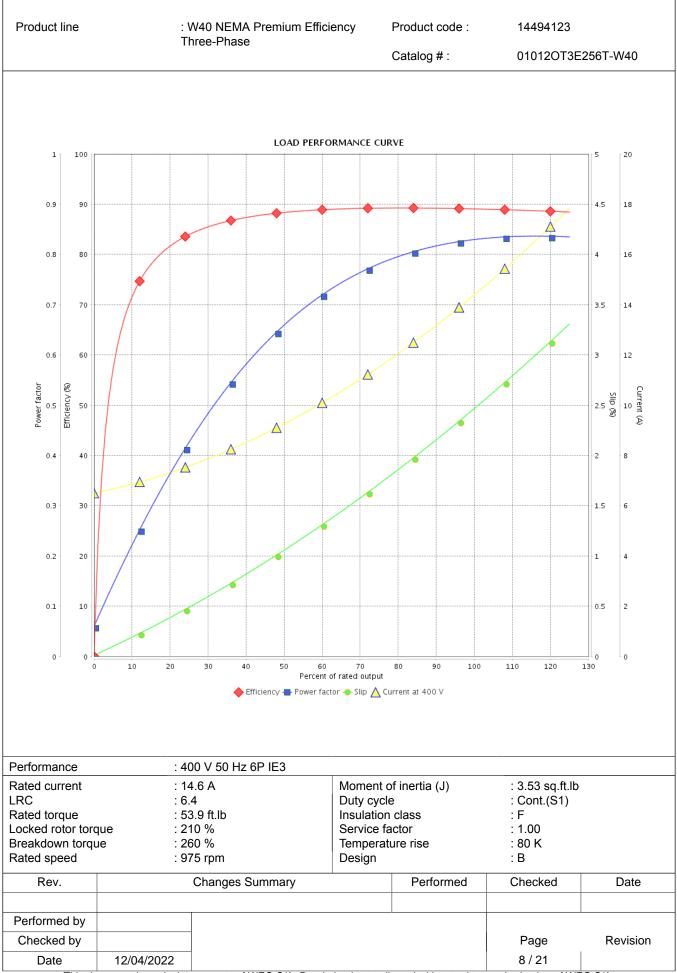
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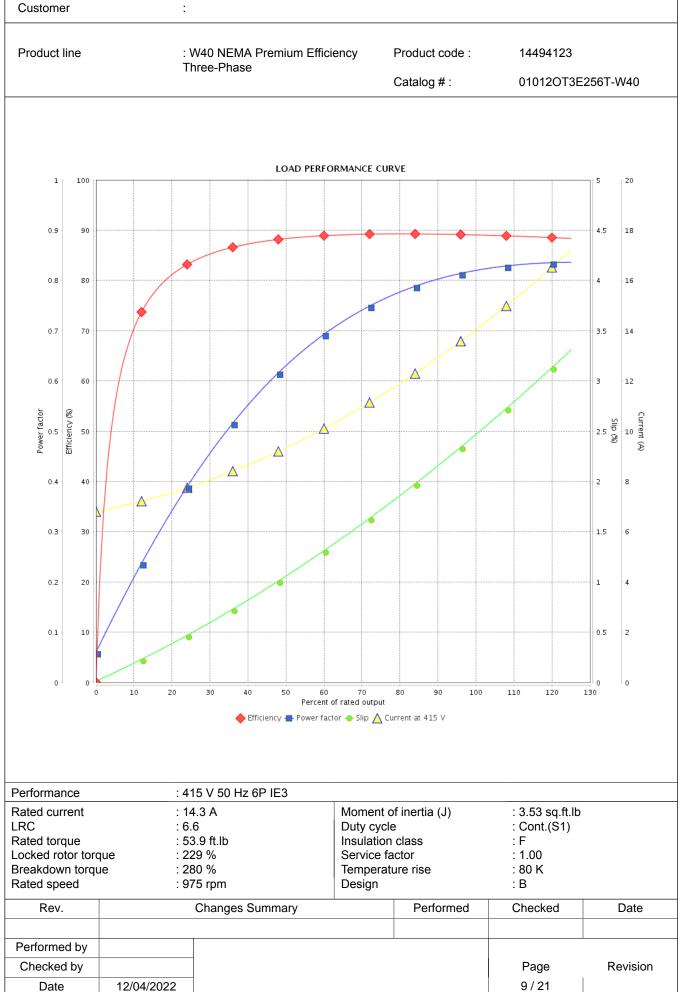


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



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THERMAL LIMIT CURVE

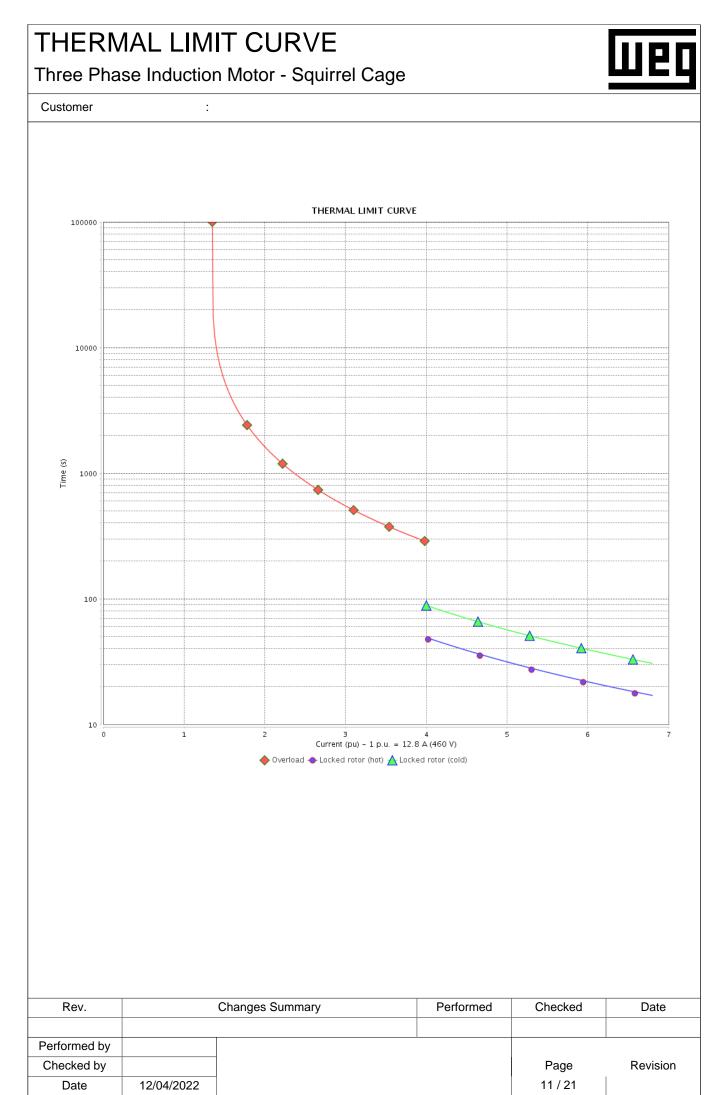
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14494123		
	I	IIICE-FIIASE		Catalog # :	01012OT3E2	256T-W40	
Performance		230/460 V 60 Hz 6P					
LRC Rated torque Locked rotor torque Breakdown torque		: 25.6/12.8 A Momen : 6.8 Duty cy : 44.5 ft.lb Insulation : 229 % Service : 300 % Temper : 1180 rpm Design		class ctor	: 3.53 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constant							
Cooling constant		Changes Owner		Derferrer	Oha alaa l	D-1-	
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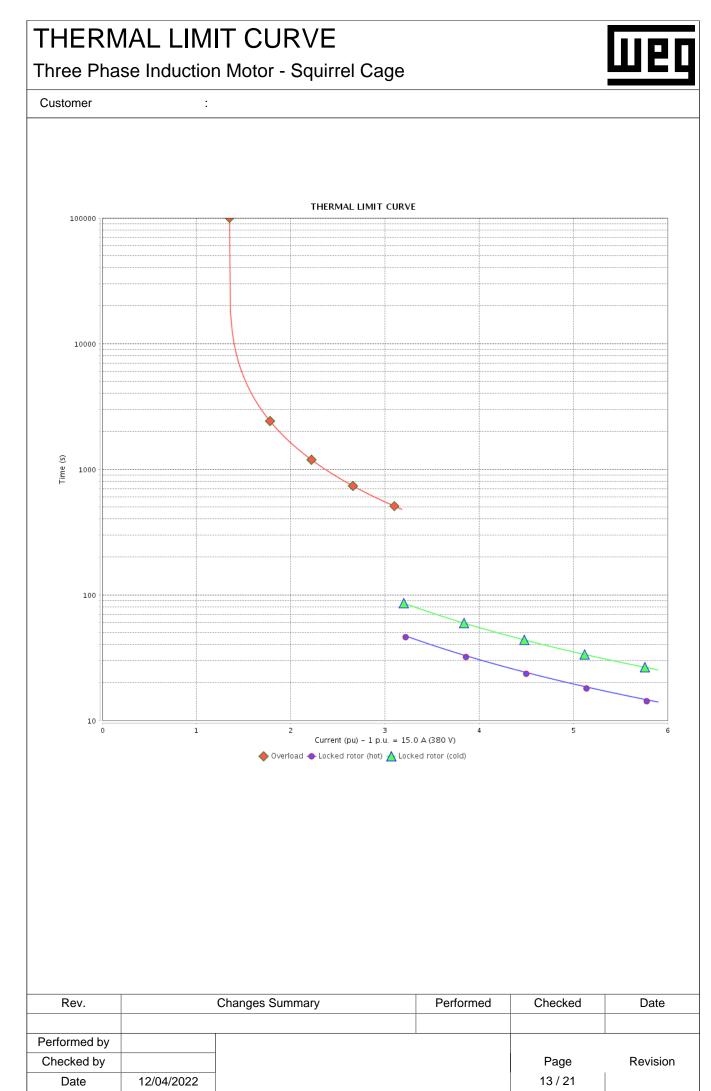
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14494123		
	I			Catalog # :	01012OT3E256T-W40		
Performance		80 V 50 Hz 6P IE3					
LRC : K Rated torque : K Locked rotor torque : C Breakdown torque : C		15.0 AMoment5.9Duty cyc54.1 ft.lbInsulation190 %Service229 %Tempera970 rpmDesign		class ctor	: 3.53 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
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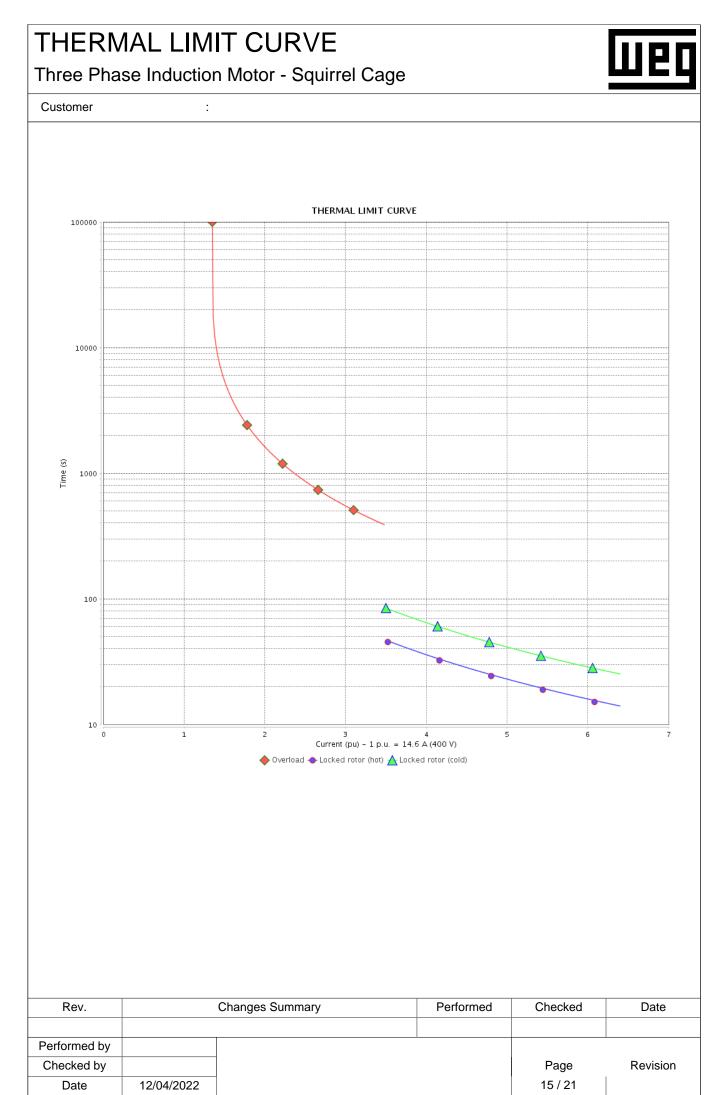
Three Phase Induction Motor - Squirrel Cage

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Customer

Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14494123	
	I			Catalog # :	01012OT3E256T-W40	
Performance		00 V 50 Hz 6P IE3				
LRC:Rated torque:Locked rotor torque:Breakdown torque:		4.6 A 5.4 53.9 ft.lb 210 % 260 % 775 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 3.53 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
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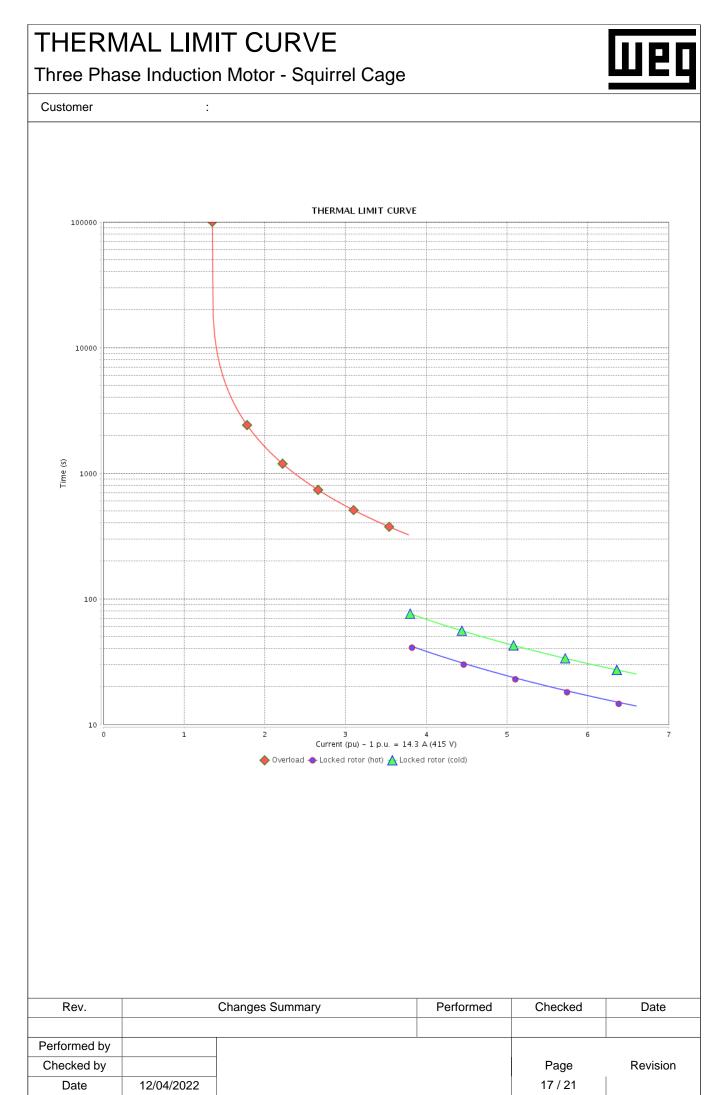
Three Phase Induction Motor - Squirrel Cage

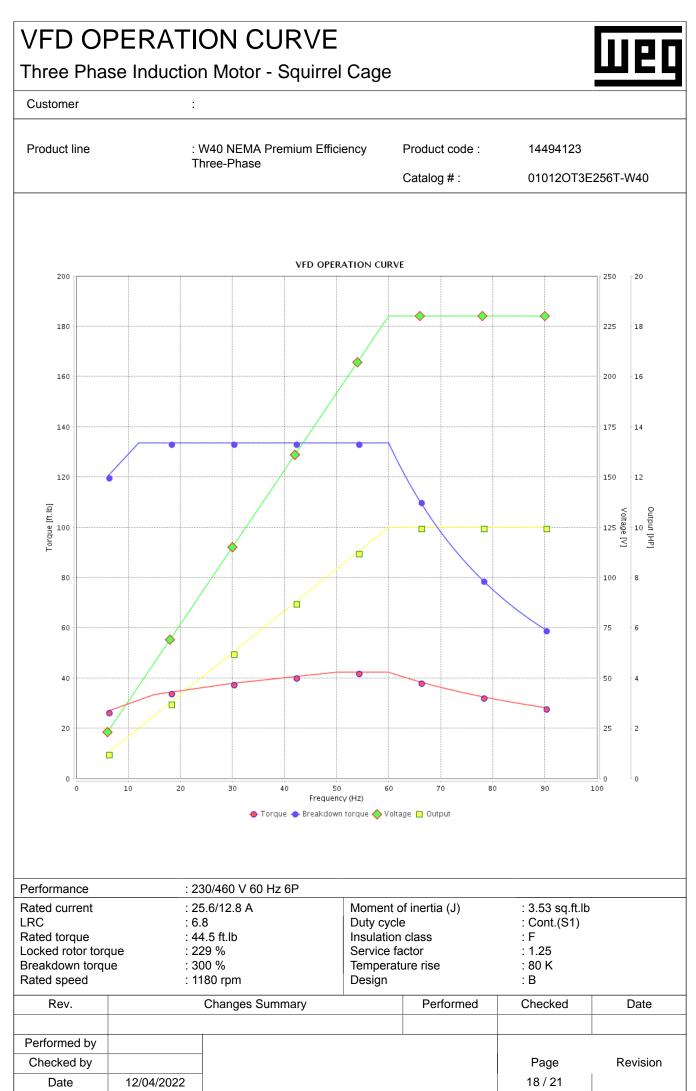
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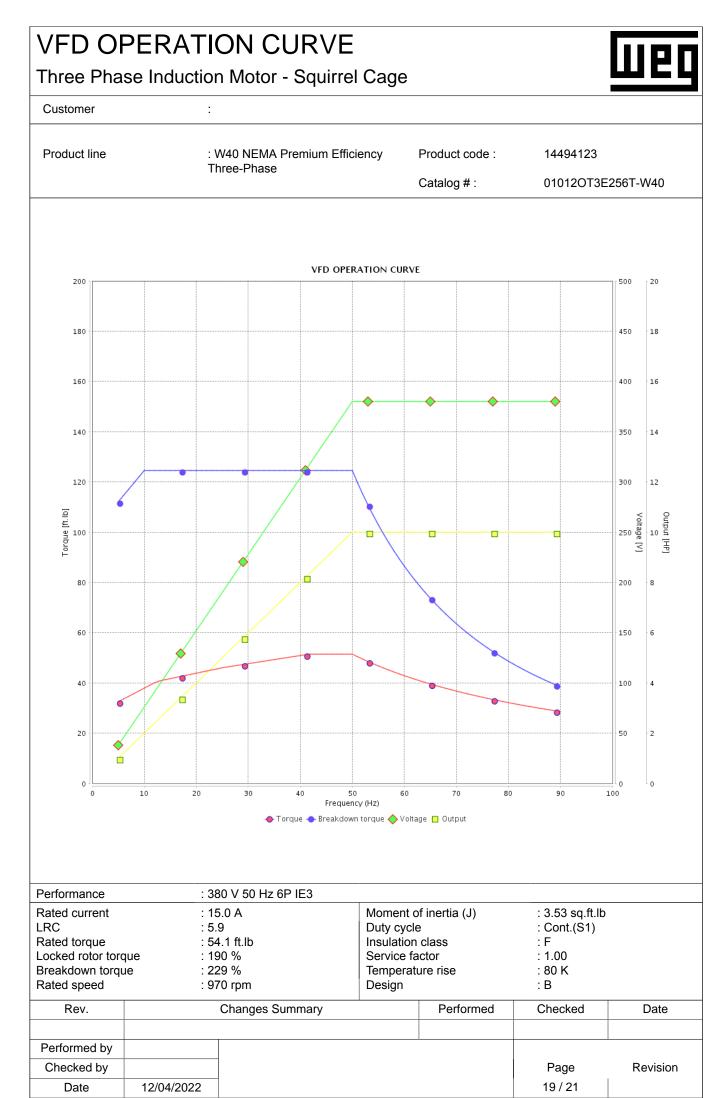


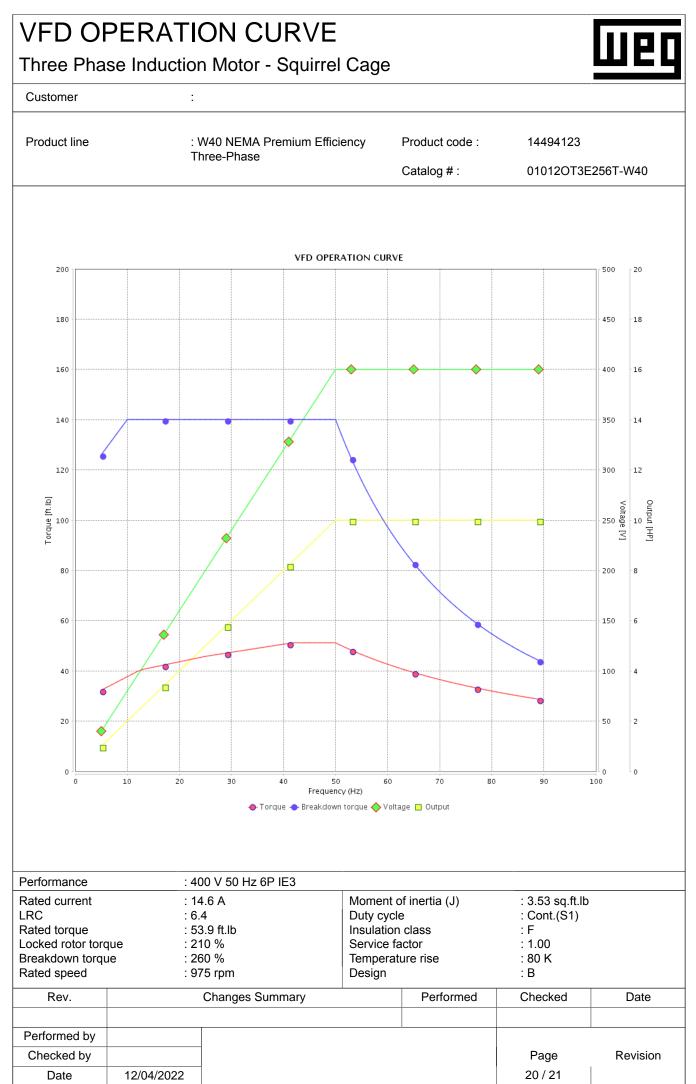
Customer

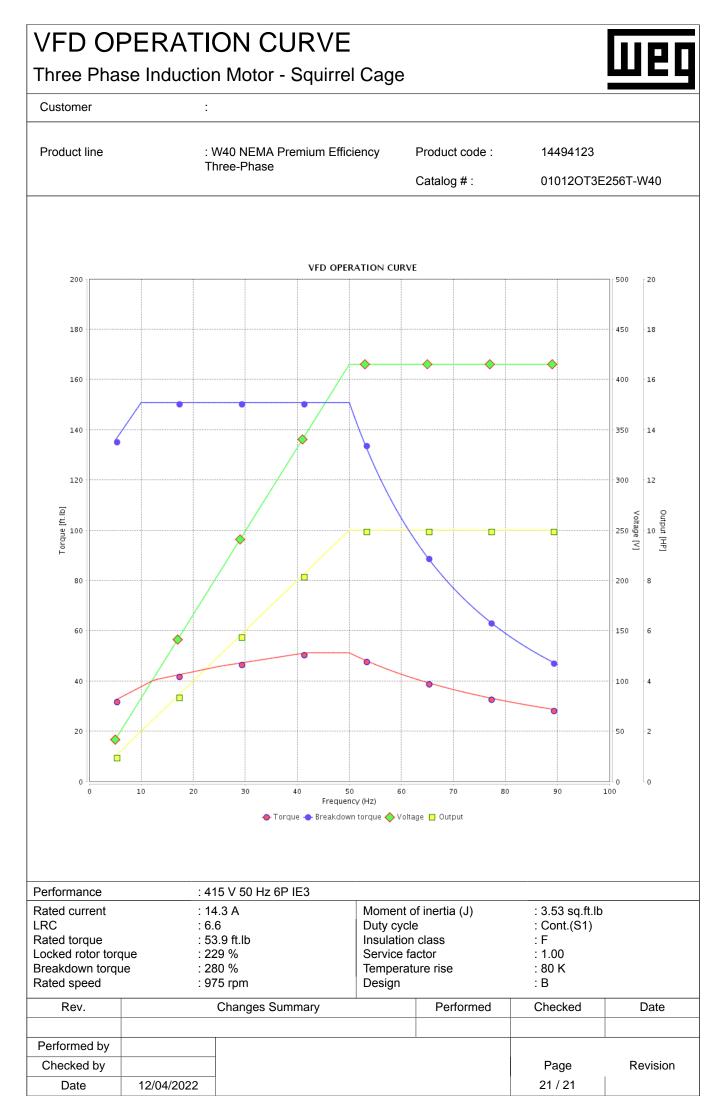
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code :	14494123		
	ļ			Catalog # :	01012OT3E2	56T-W40	
Performance		15 V 50 Hz 6P IE3					
Locked rotor torque : 229 % Breakdown torque : 280 %		.6 3.9 ft.lb 29 %	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 3.53 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B		
Heating constant							
Cooling constant Rev.	l	Changes Summary		Performed	Checked	Date	
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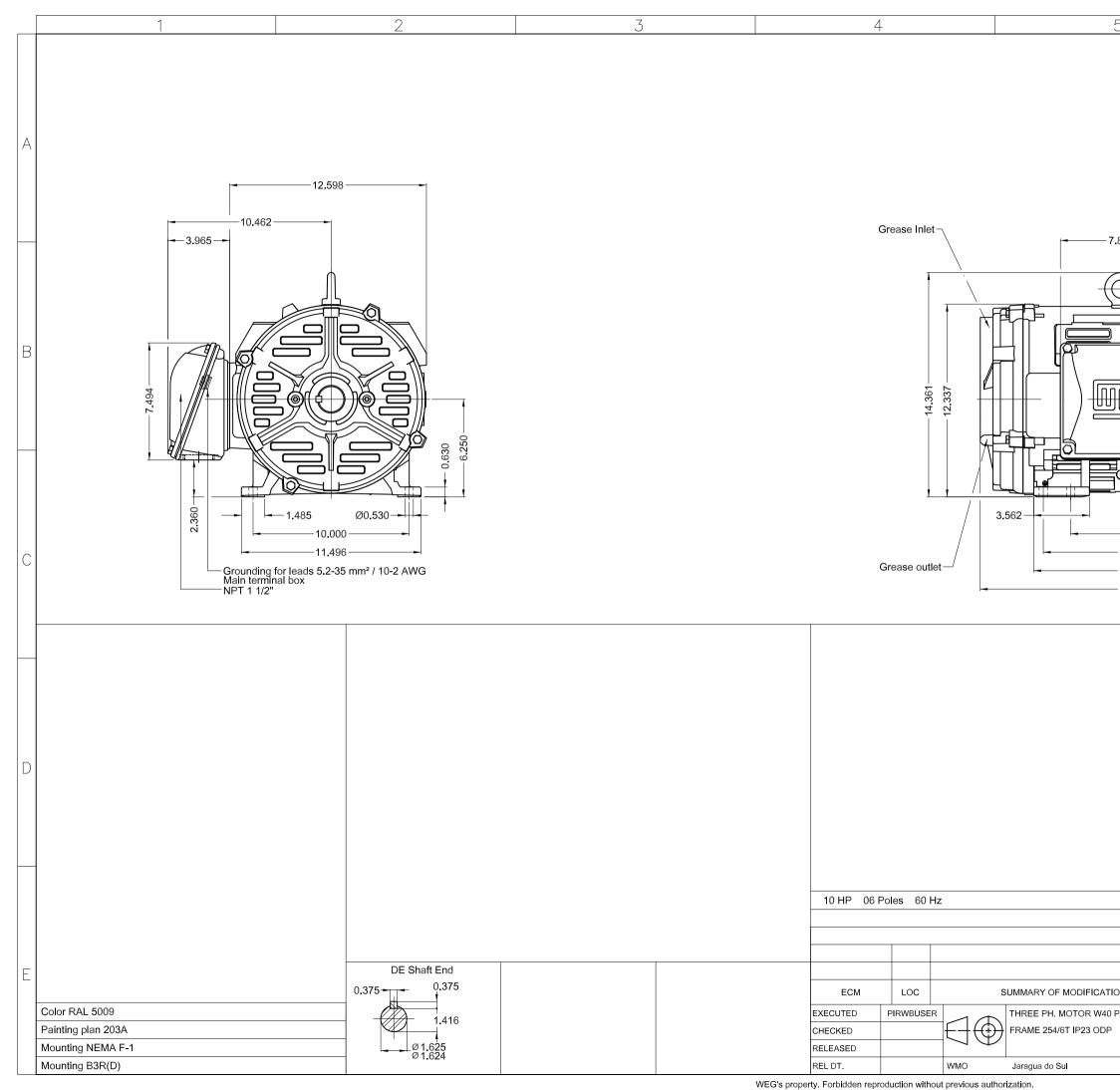












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