DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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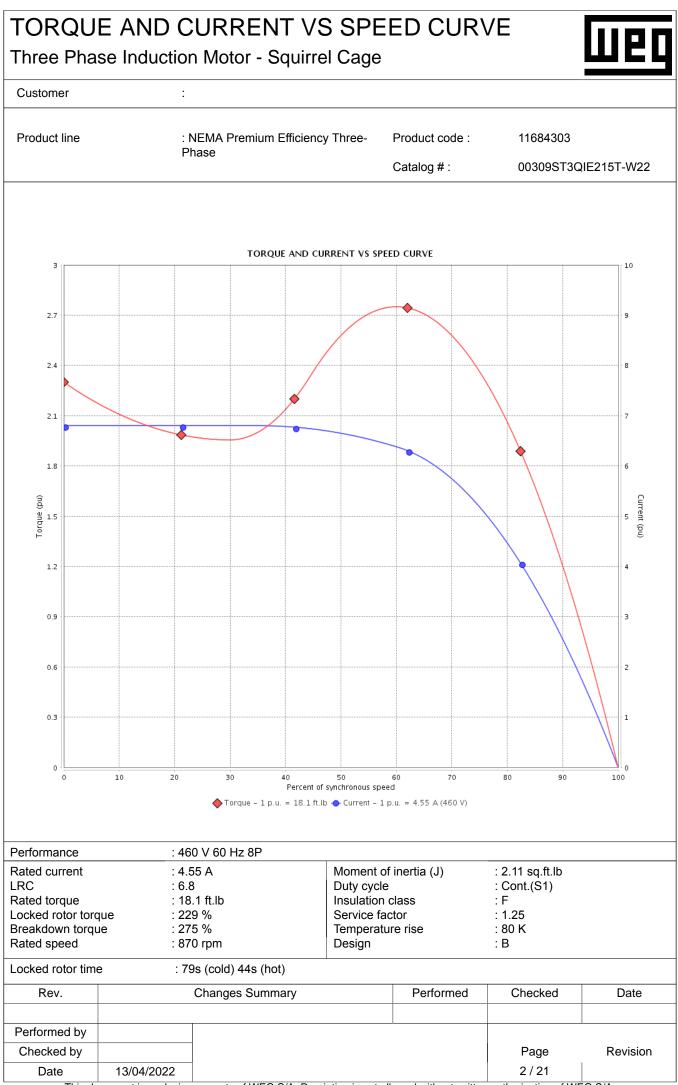


Product line		: NEMA Premium Efficiency The Phase				11684303	
				Catal	og # :	003098	ST3QIE215T-W22
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design		: 213/5T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling meth Mounting Rotation ¹ Starting meth Approx. weig Moment of in	iod ht³	: F-1 : Both (
-				2	2		2
Output [HP] Poles		3		3 8	3		3
Frequency [Hz]		60		50	50		50
Rated voltage [V]		460			400		415
Rated current [A]		4.55		380 5.33	5.2		5.06
. R. Amperes [A]		30.9		28.2	31.		32.9
LRC [A]				x(Code G)	6.0x(Co		6.5x(Code J)
No load current [A]		2.71		2.68	2.8	,	3.00
Rated speed [RPN		870		710	71		720
Slip [%]		3.33		5.33 22.2	4.67		4.00
Rated torque [ft.lb		18.1			22.		21.9
ocked rotor torqu		229		180	220		260
Breakdown torque	e [%]	275		200	24		270
Service factor		1.25		1.25	1.2		1.25
Temperature rise		80 K	80 K		80 K		80 K
ocked rotor time		79s (cold) 44s (hot)	59s (cold) 33s (ho		59s (cold) 33s (hot) 52.0 dB(A)		59s (cold) 33s (hot
Noise level ²	050/	52.0 dB(A)	52	2.0 dB(A)	52.0 d	B(A)	52.0 dB(A)
	25% 50%	94.0		94.0	04	0	82.5
Efficiency (%)	50% 75%	84.0 85.5		84.0 84.0	84.0 84.0		84.0
	100%	85.5		84.0	84.		84.0
	25%	00.0	02.0		02.		07.0
_	50%	0.50		0.57	0.5	4	0.51
Power Factor	75%	0.63		0.70	0.6		0.64
	100%	0.71		0.76	0.74		0.72
Bearing type Sealing Lubrication inter- Lubricant amour Lubricant type		: 6308 C3 620 : Inpro/Seal Inpr : 20000 h 200	<u>ive end</u> 07 C3 o/Seal 000 h 7 g	Foundation lo Max. traction Max. compres		: 237 lb : 430 lb	
Notes							
must be eliminate (1) Looking the m (2) Measured at 1	ed. notor from the 1m and with t weight subjec ocess.	ncel the previous one, where shaft end. tolerance of +3dB(A). tot to changes after	nich				sts with sinusoidal stipulated in NEMA
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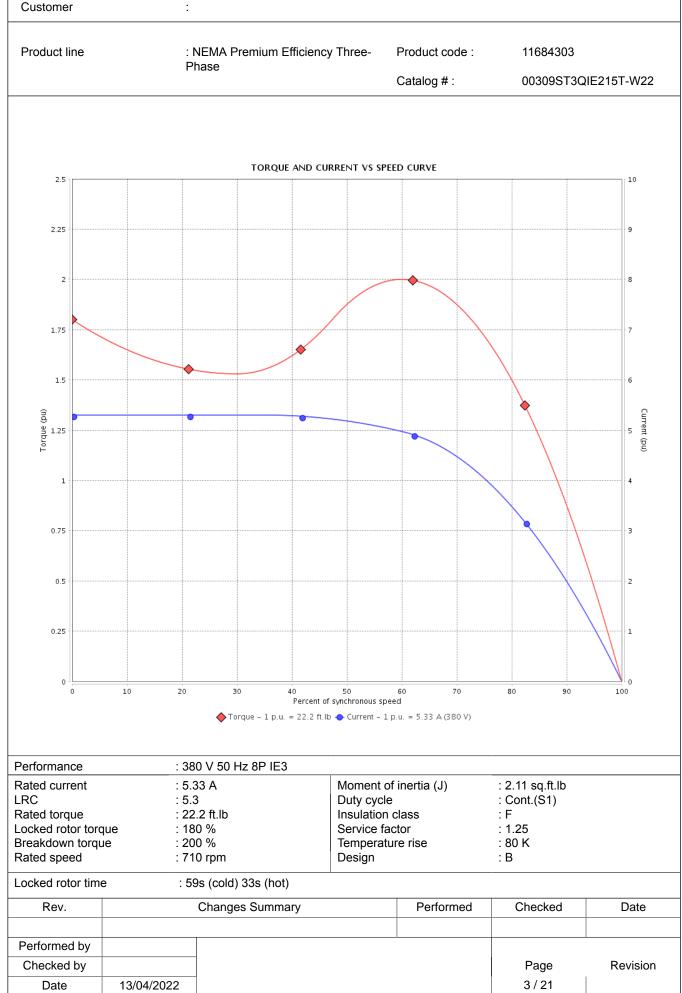
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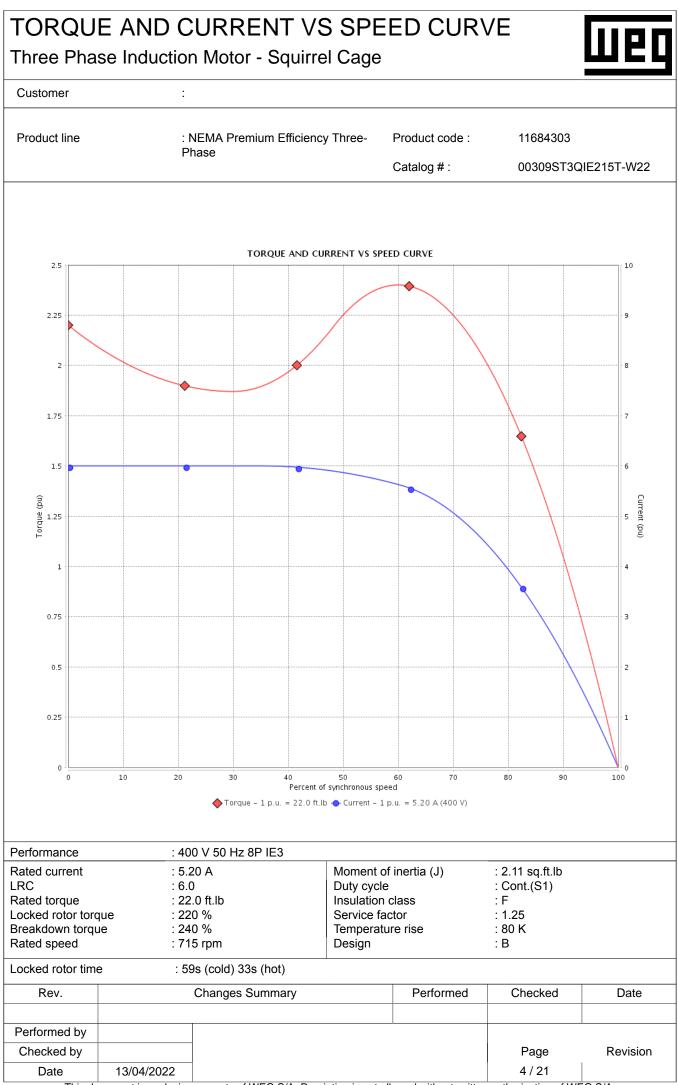
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





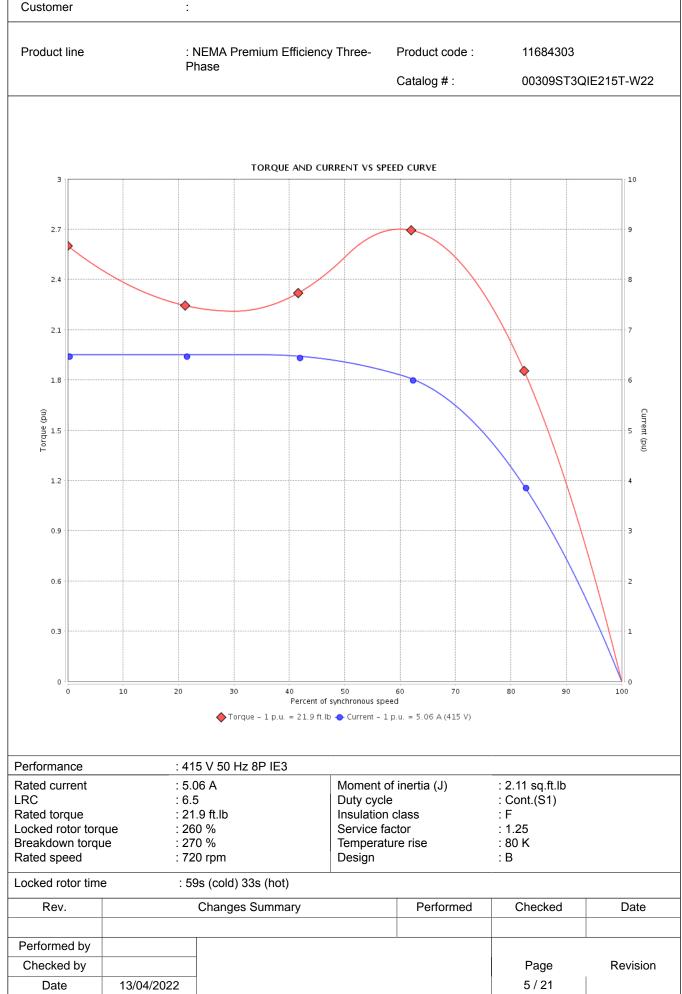
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





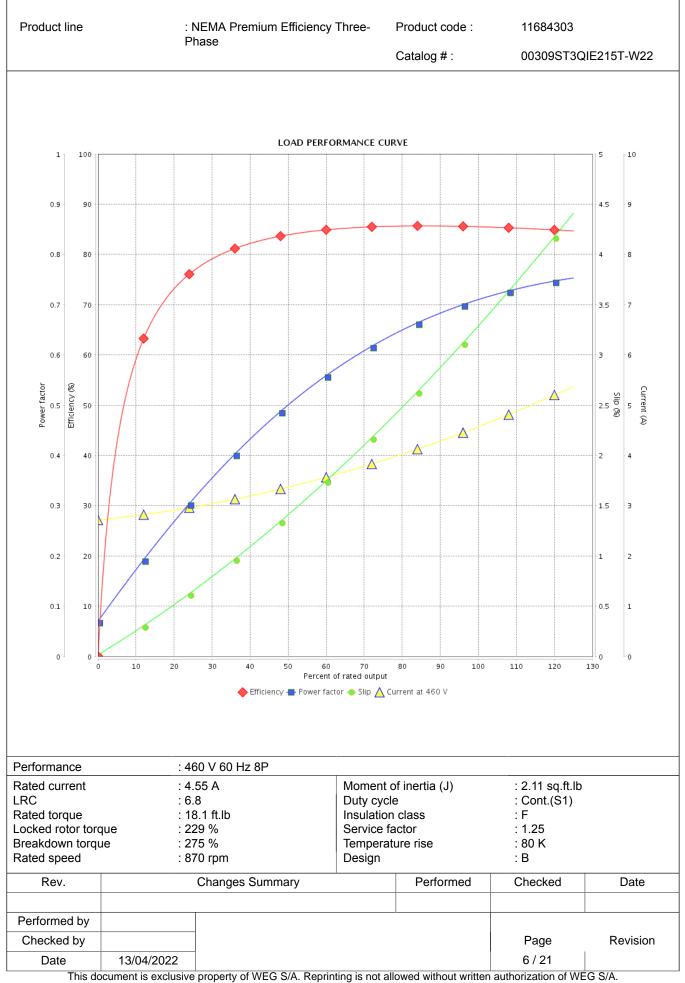
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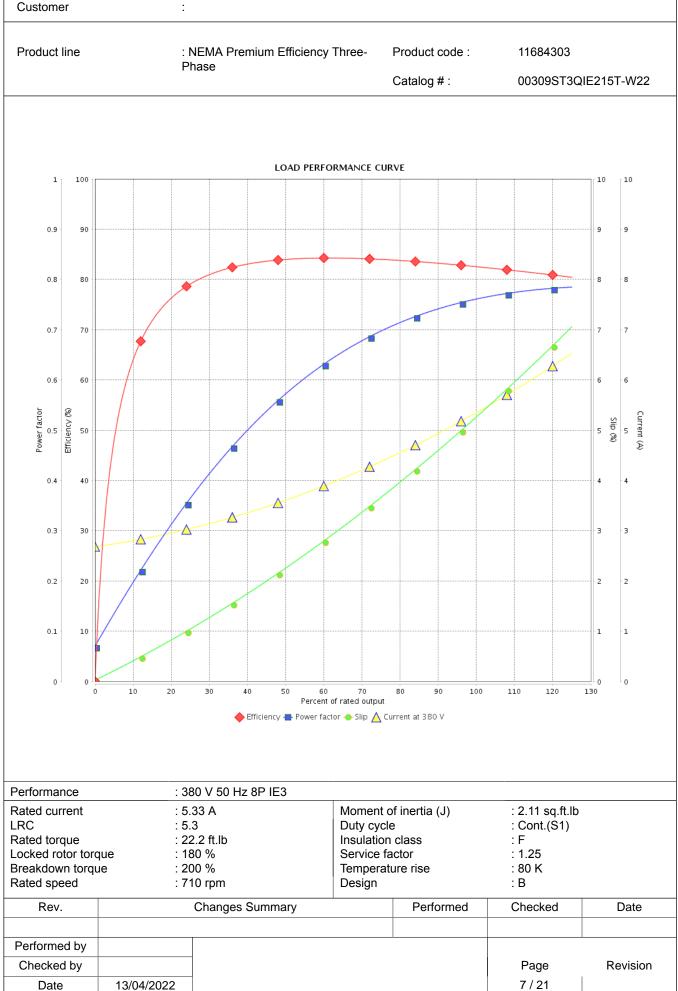


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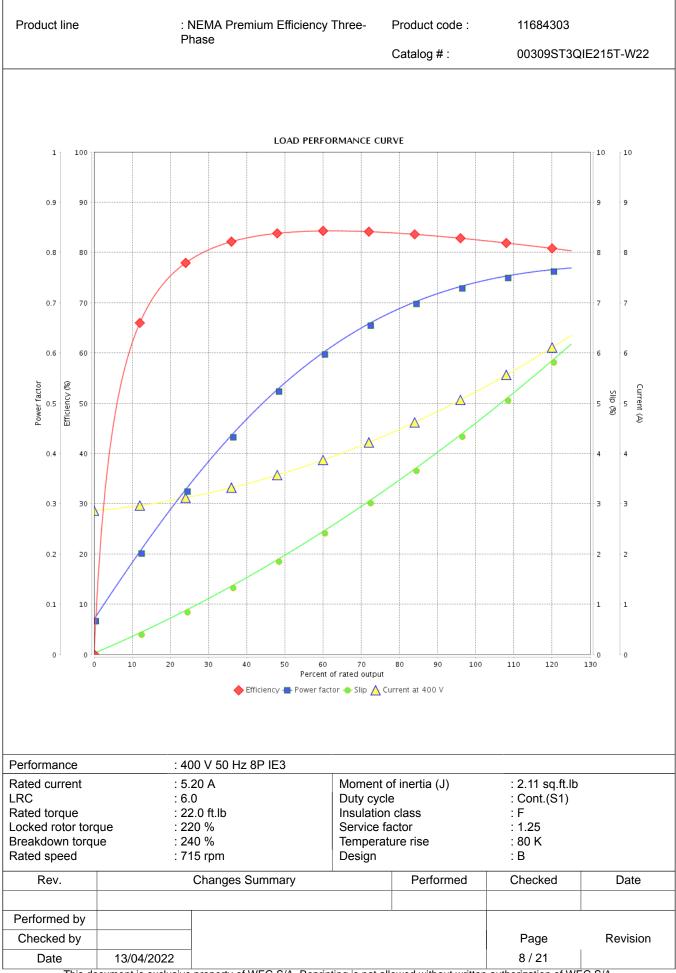
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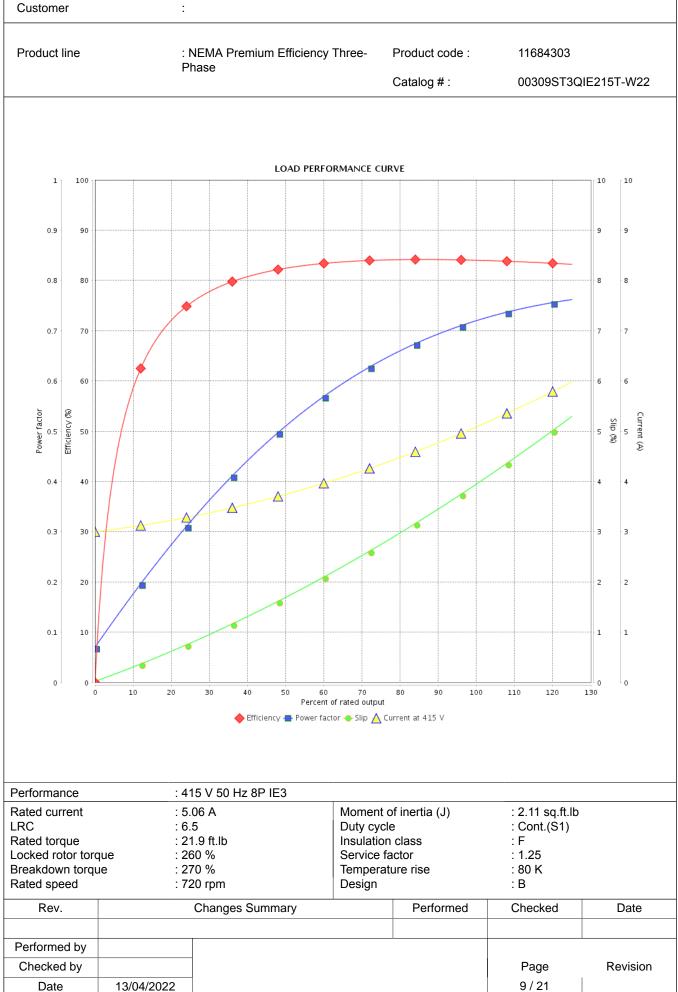


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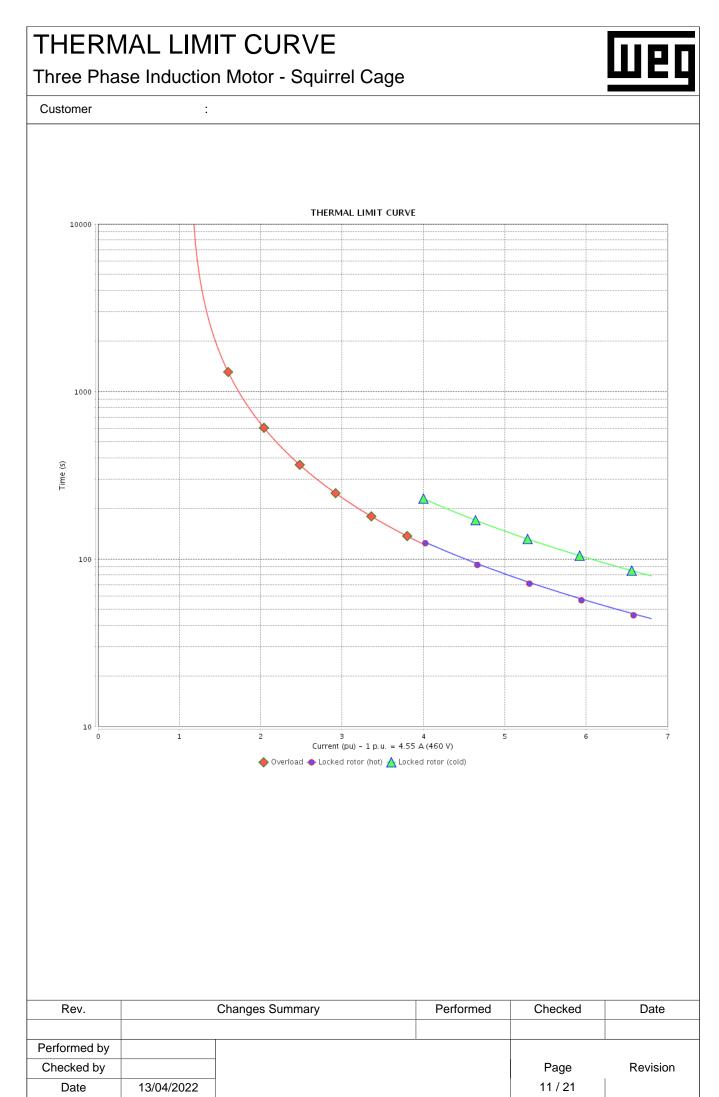
Customer



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Three Phase Indu	ction Motor - Squirrel (Cage			шсц
Customer	:				
Product line	: NEMA Premium Efficiency Th Phase		Product code : Catalog # :	11684303 00309ST3Q	IE215T-W22
Performance	: 460 V 60 Hz 8P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 6.8 : 18.1 ft.lb : 229 % : : 275 % -	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 2.11 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant					
Cooling constant	Changes Summers		Performed	Checked	Data
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Three Pha	se Inductior	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line		NEMA Premium Efficiency T hase		Product code : Catalog # :	11684303 00309ST3Q	E215T-W22
Performance		30 V 50 Hz 8P IE3				
Rated current LRC Rated torque	: 5. : 5.	33 A	Moment o Duty cycle Insulation		: 2.11 sq.ft.lb : Cont.(S1) : F	
Locked rotor torq Breakdown torqu Rated speed	ue : 18 ie : 20	30 % 00 % 10 rpm	Service fa Temperatu Design	ictor	: 1.25 : 80 K : B	
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
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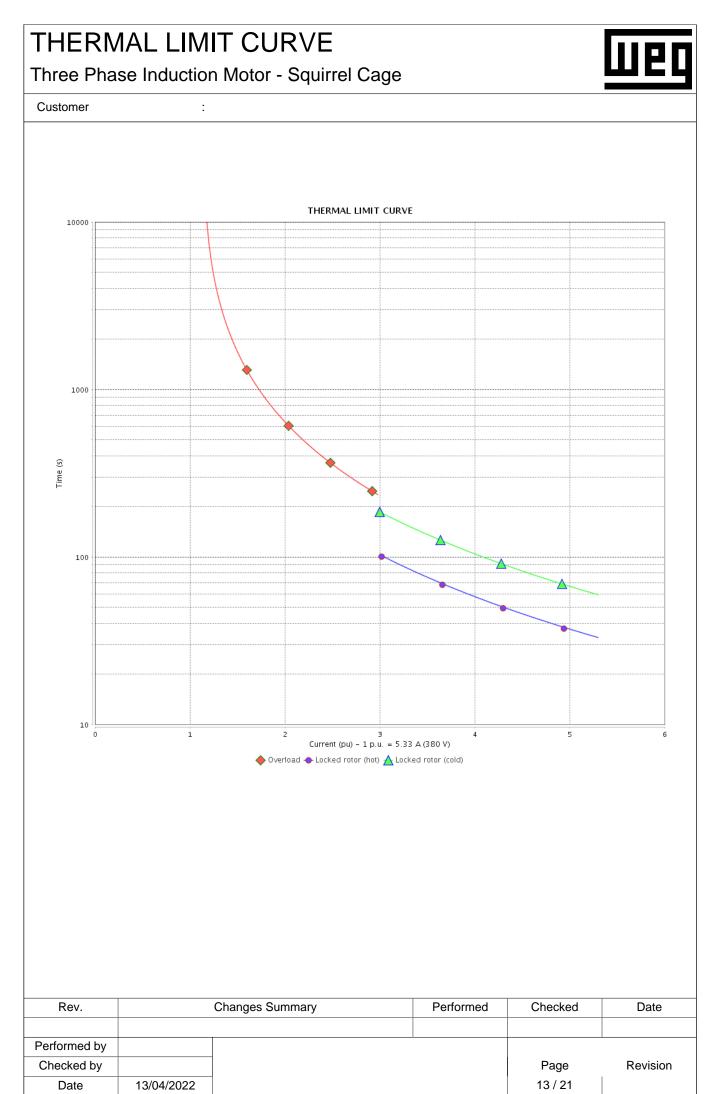
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Three Pha	se Inductio	on Motor - Squirrel	Cage			шсц
Customer		:				
Product line		: NEMA Premium Efficiency ⁻ Phase		Product code : Catalog # :	11684303	IE215T-W22
Performance		400 V 50 Hz 8P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	i que : Je :	5.20 A 6.0 22.0 ft.lb 220 % 240 % 715 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 2.11 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
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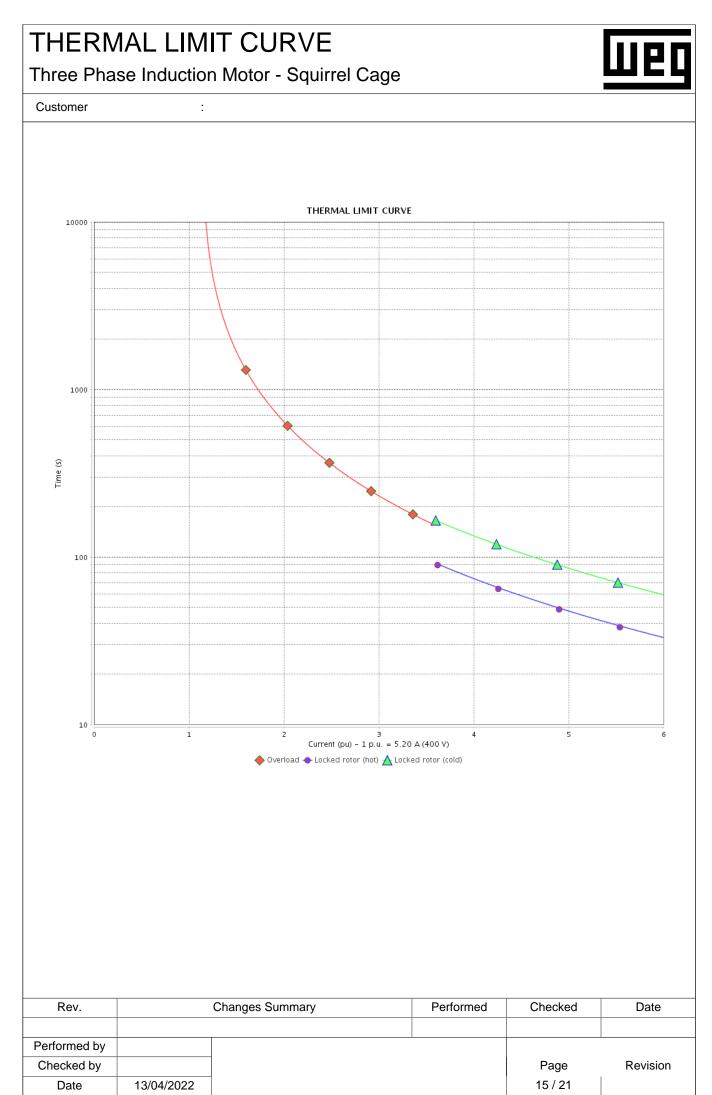
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THERM	1AL LIM	IT CURVE				Шeq
Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line		NEMA Premium Efficiency T hase		Product code : Catalog # :	11684303 00309ST3Q	IE215T-W22
Performance		15 V 50 Hz 8P IE3	Mamanta	finantia (1)	. 0.11 og filb	
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6. : 2 que : 26 ue : 2	06 A 5 1.9 ft.lb 60 % 70 % 20 rpm	Duty cycle Insulation Service fa Temperatu Design	class ctor	: 2.11 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant	t					
Cooling constant						
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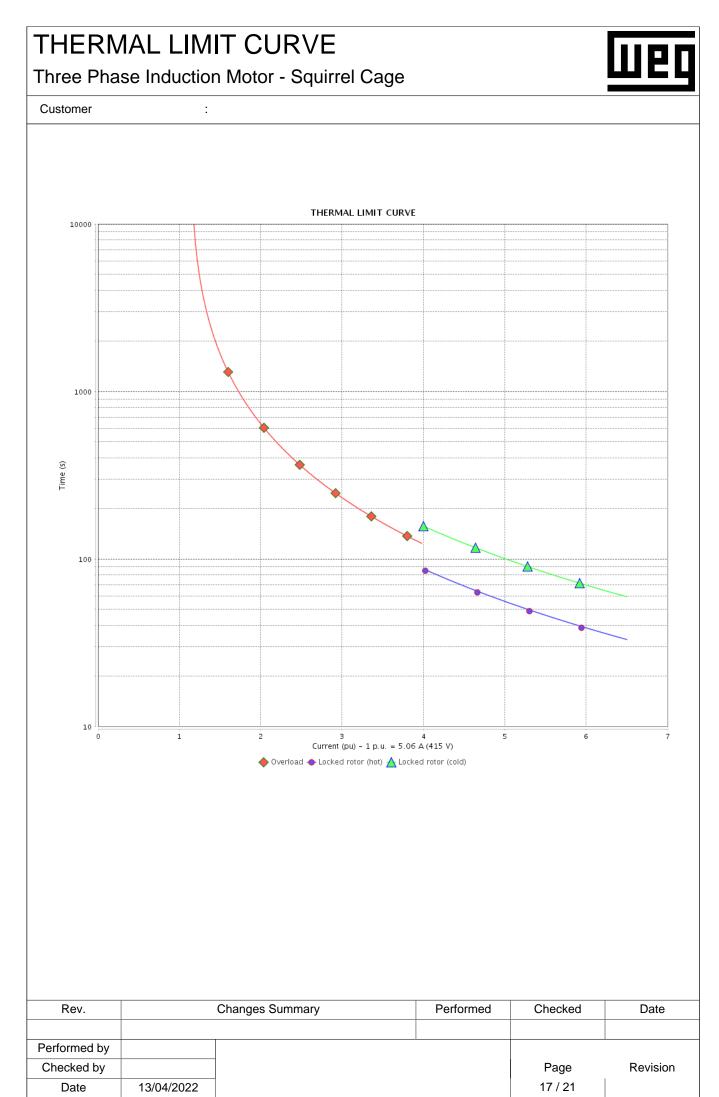
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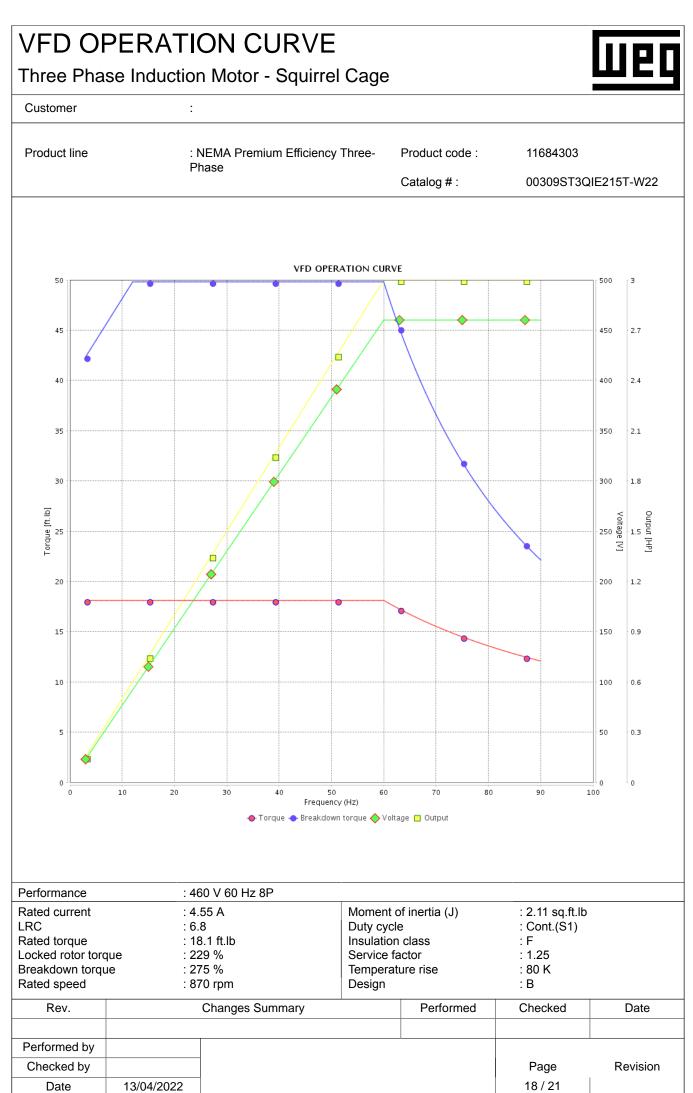
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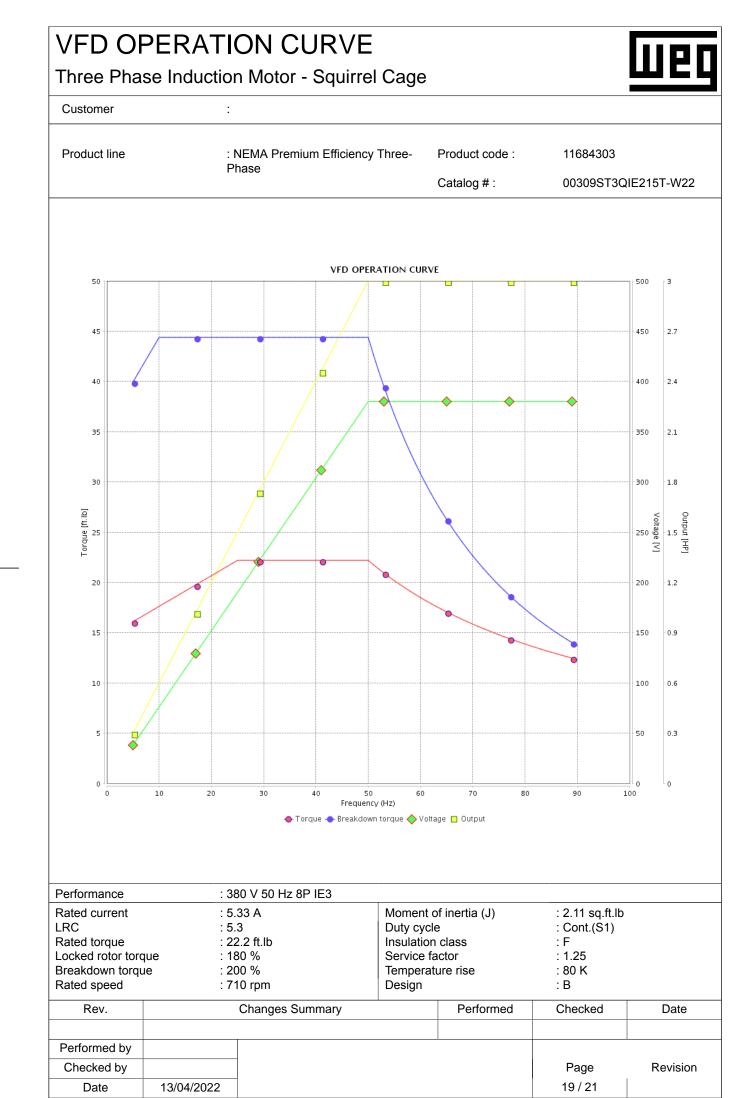
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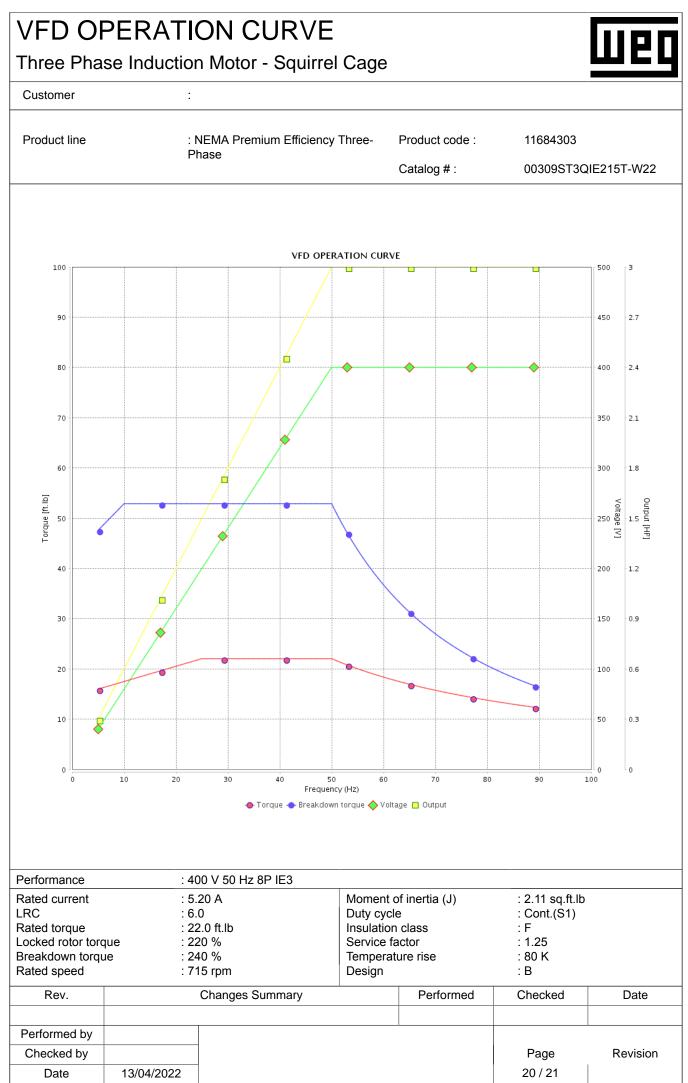
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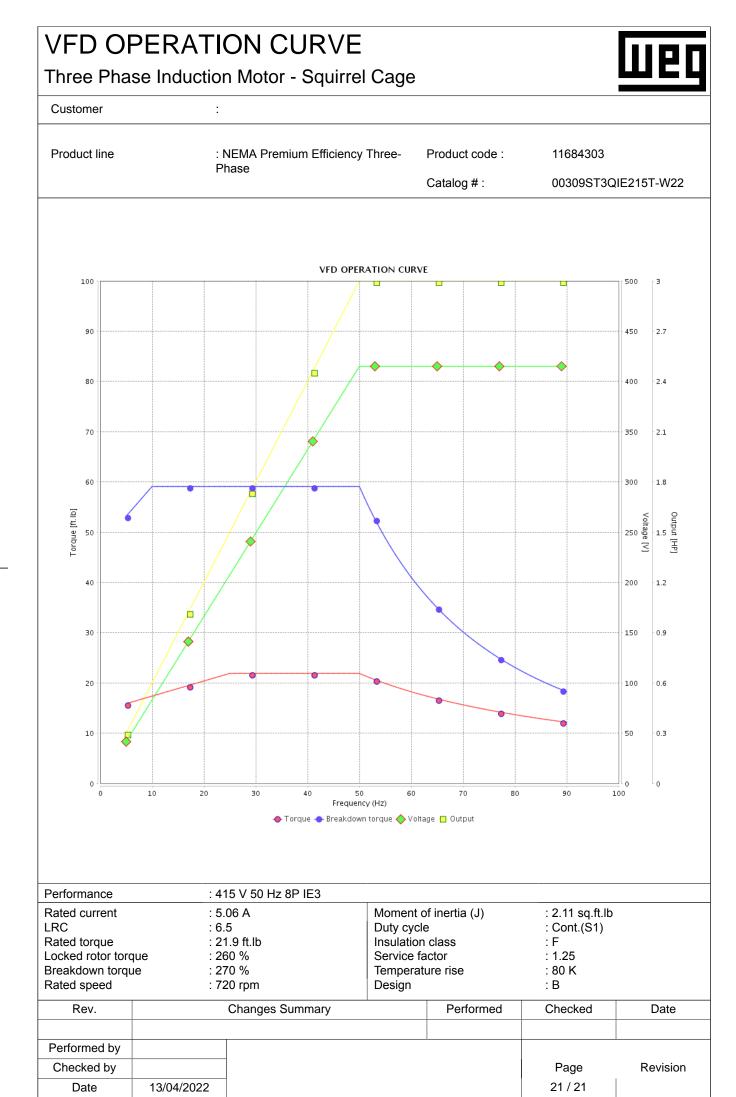
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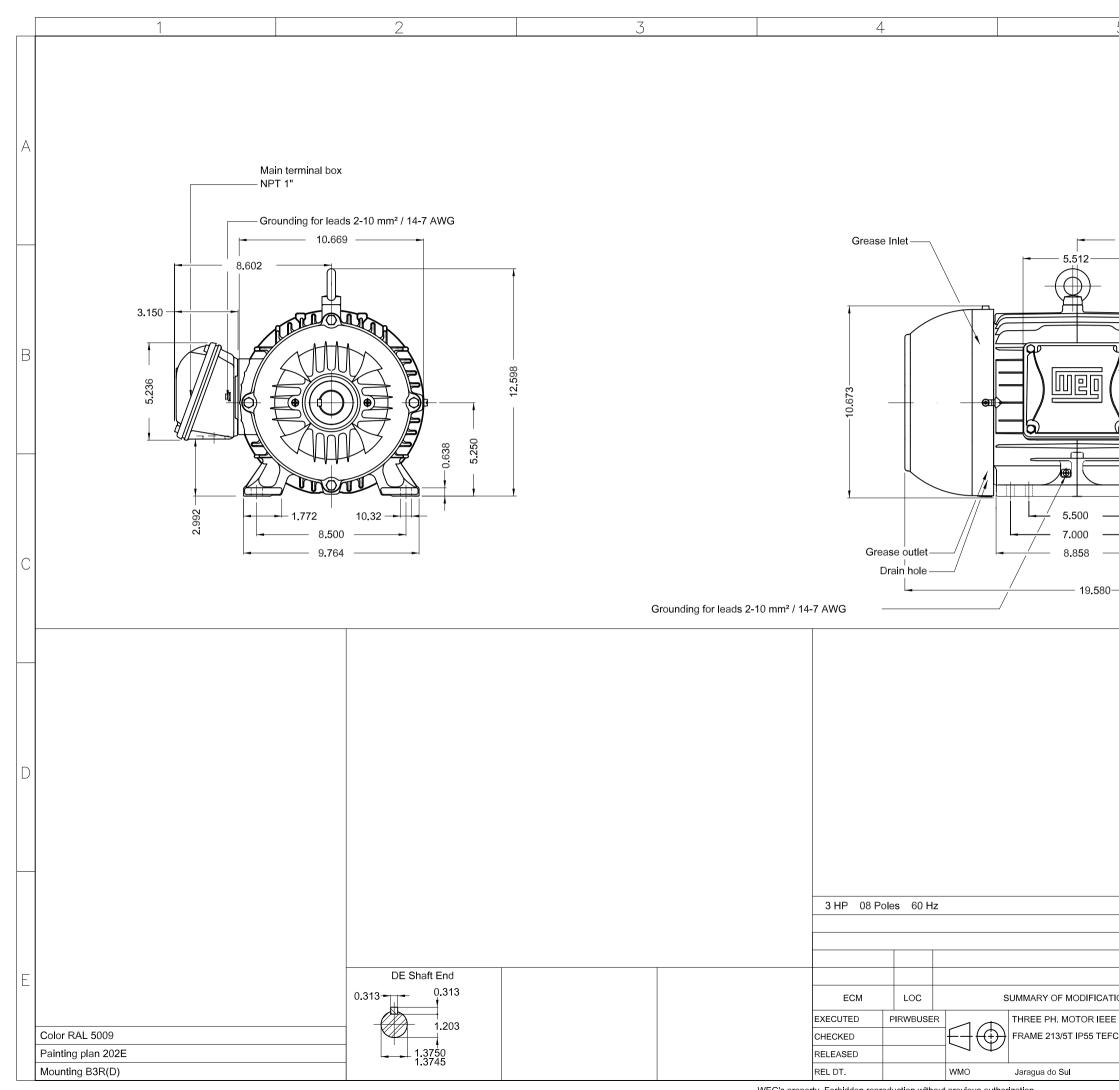












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	Grease Inlet	
		Dimensions in inches
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IONS 641 W22 PREM. EF		A .TE VER
841 W22 PREM. EF		A

