DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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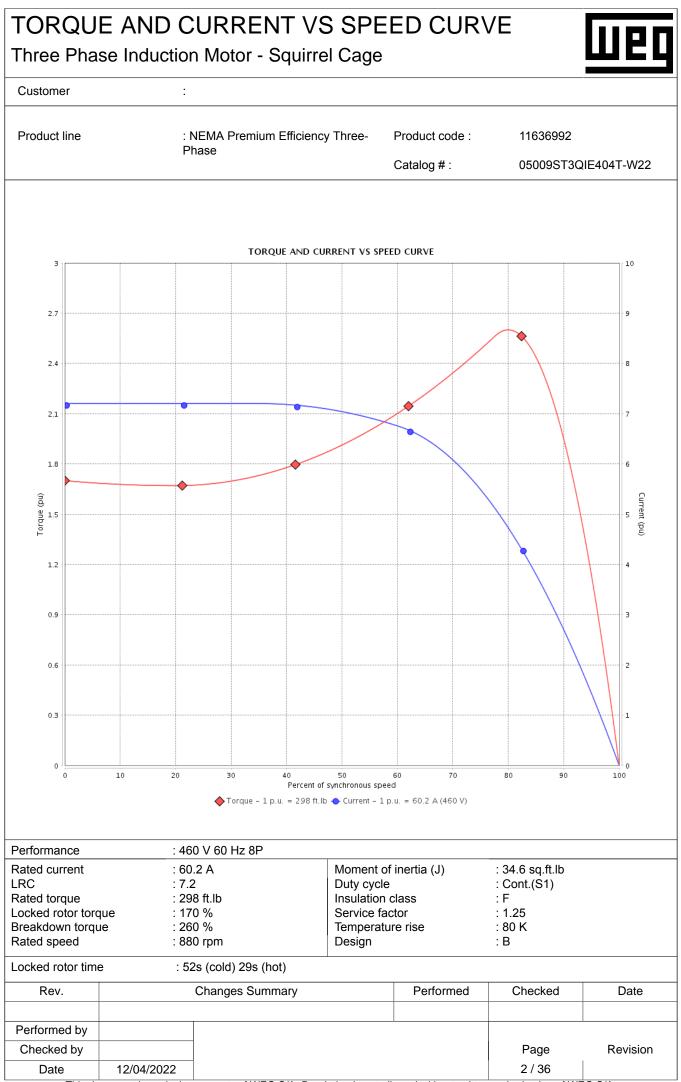
Customer

Product line			emium Efficien	ncy Th	ree-	Product code	e: 11	636992	
		Phase				Catalog # :	05	009ST3QIE4	04T-W22
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre		: 404/5T : F : Cont.(S1) : -20°C to + : 1000 m.a.: : IP55			Mounti Rotatio Starting Approx		: F : E : C : 1	C411 - TEFC -1 Both (CW and Direct On Line 125 lb 84.6 sq.ft.lb	I CCW)
		: B	40		10	40	50	50	50
Output [HP] Poles		50 8	40 8		40 8	40 8	50 8	50 8	50 8
Frequency [Hz]		60	° 50		。 50	0 50	0 50	° 50	50
Rated voltage [V]		460	380		400	415	380	400	415
Rated current [A]		60.2	59.4		7.6	56.8	73.3	69.9	68.2
. R. Amperes [A]		433	404		420	443	403	419	443
LRC [A]						7.8x(Code J)			
No load current [A		22.5	22.5	2	4.0	25.5	22.5	24.0	25.5
Rated speed [RPN		880	730		733	735	720	725	725
Slip [%]	-	2.22	2.67		2.27	2.00	4.00	3.33	3.33
Rated torque [ft.lb	1	298	288	2	287	286	365	362	362
Locked rotor torqu		170	170	2	200	229	140	160	180
Breakdown torque		260	240	2	290	310	200	229	250
Service factor		1.25	1.00	1	.00	1.00	1.00	1.00	1.00
Temperature rise		80 K	80 K	8	0 K	80 K	105 K	105 K	105 K
_ocked rotor time		52s (cold) 29s (hot)	57s (cold) 32s (hot)		(cold) s (hot)	50s (cold) 28s (hot)	36s (cold) 20s (hot)	37s (cold) 21s (hot)	36s (cold) 20s (hot)
Noise level ²		60.0 dB(A)	56.0 dB(A)	56.0	dB(A)	56.0 dB(A)	56.0 dB(A)	56.0 dB(A)	56.0 dB(A)
	25%								
Efficiency (%)	50%	93.0	92.9		1.8	91.8	92.4	92.4	92.4
	75%	93.0	92.3		2.2	92.2	91.7	91.7	91.7
	100%	93.0	91.3	9	1.7	91.8	90.2	91.0	91.0
	25%								
Power Factor	50%	0.68	0.65		0.63	0.60	0.74	0.71	0.68
	75%	0.78	0.78		0.76	0.73	0.82	0.80	0.78
	100%	0.83	0.84		.82	0.80	0.85	0.84	0.83
Bearing type Sealing Lubrication inter- Lubricant amour Lubricant type		: 6316 C3 : Inpro/Sea : 20000 h : 34 g	6316 C3 6314 C3 Ma Inpro/Seal Inpro/Seal Ma 20000 h 20000 h 20000 h		Foundation loads Max. traction : 2155 lb Max. compression : 3280 lb				
Notes This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. olerance of +3	3dB(A).			are average va supply, subject			
Rev.		Changes	Summary			Performe	ed Che	ecked	Date
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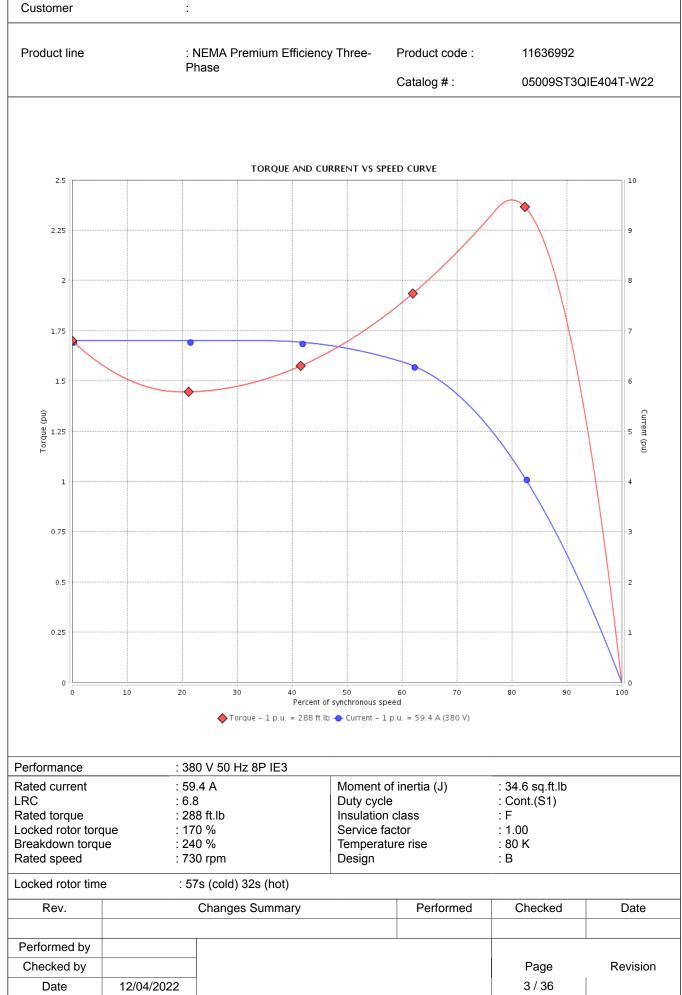
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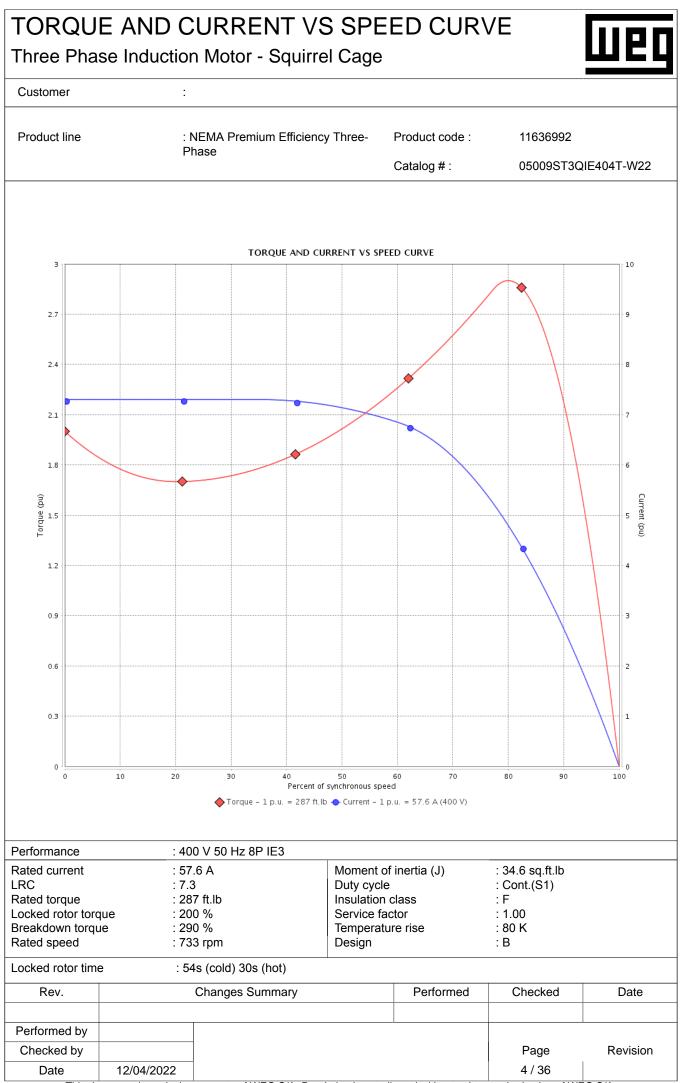
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





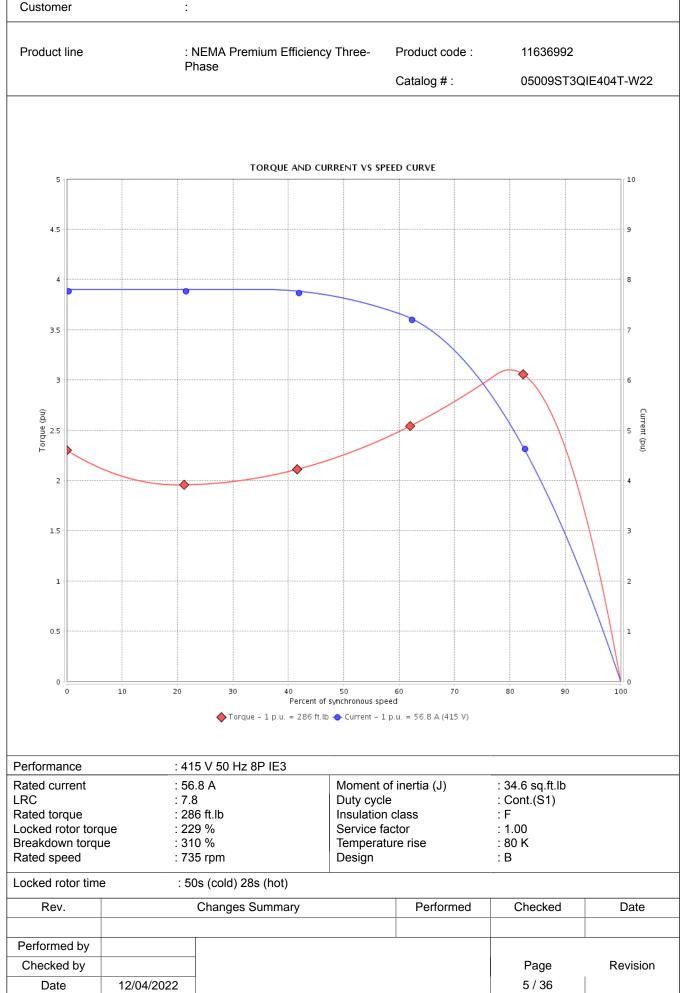
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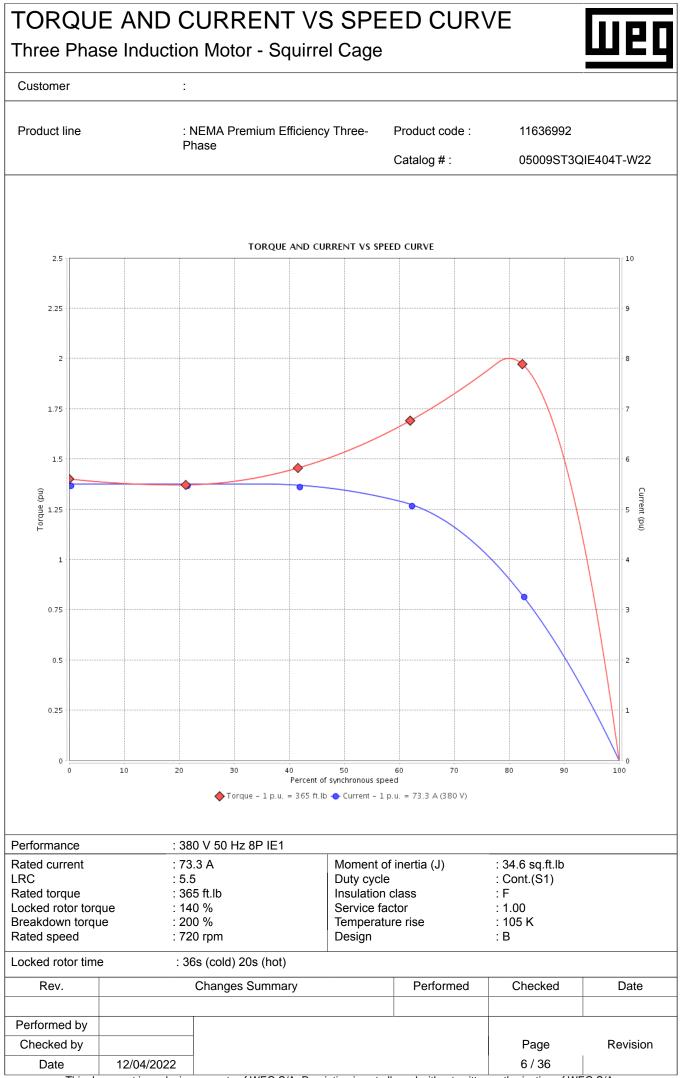
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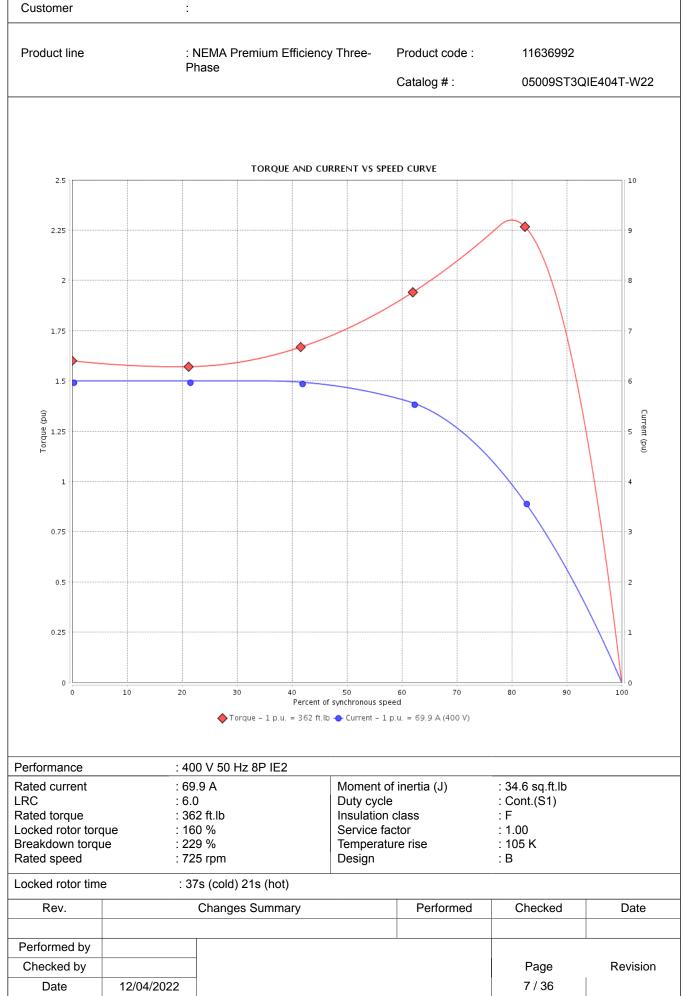
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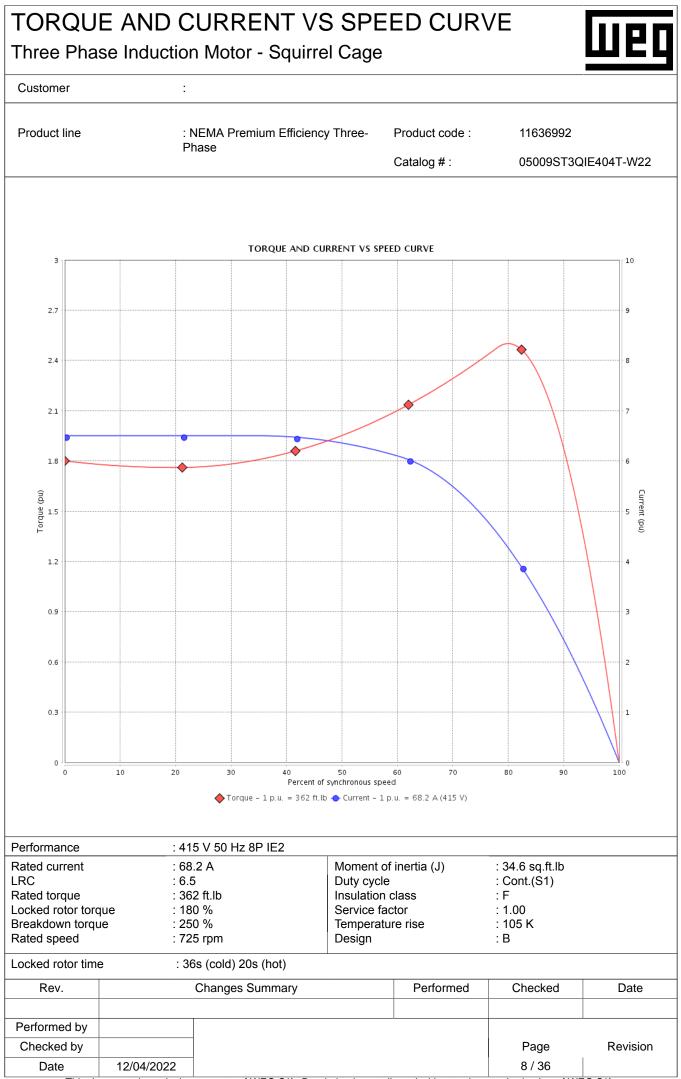
TORQUE AND CURRENT VS SPEED CURVE

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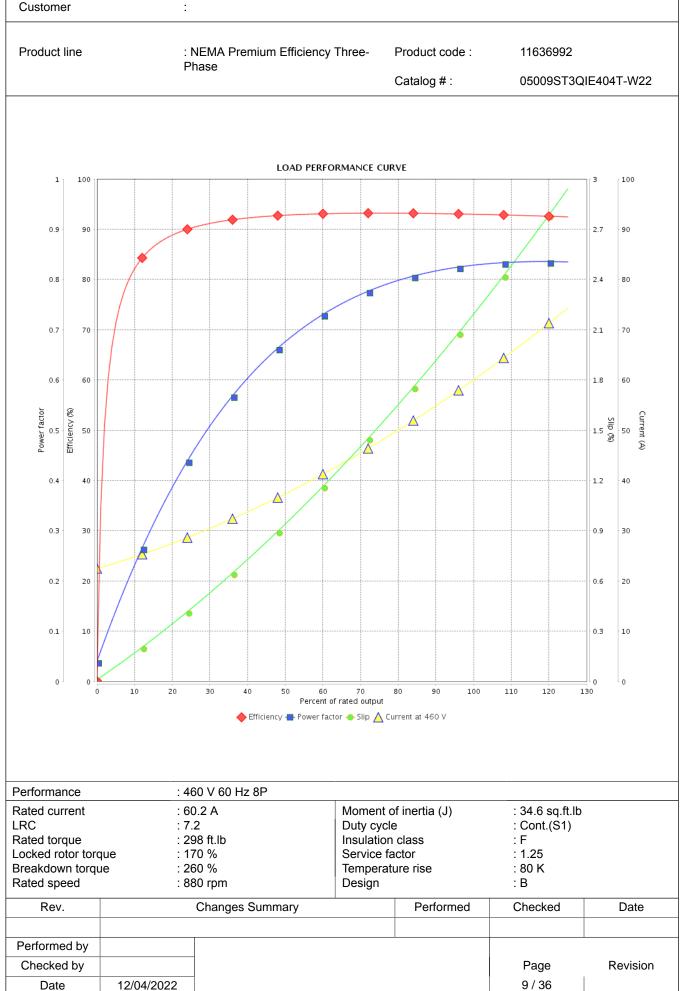


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Three Phase Induction Motor - Squirrel Cage

Customer



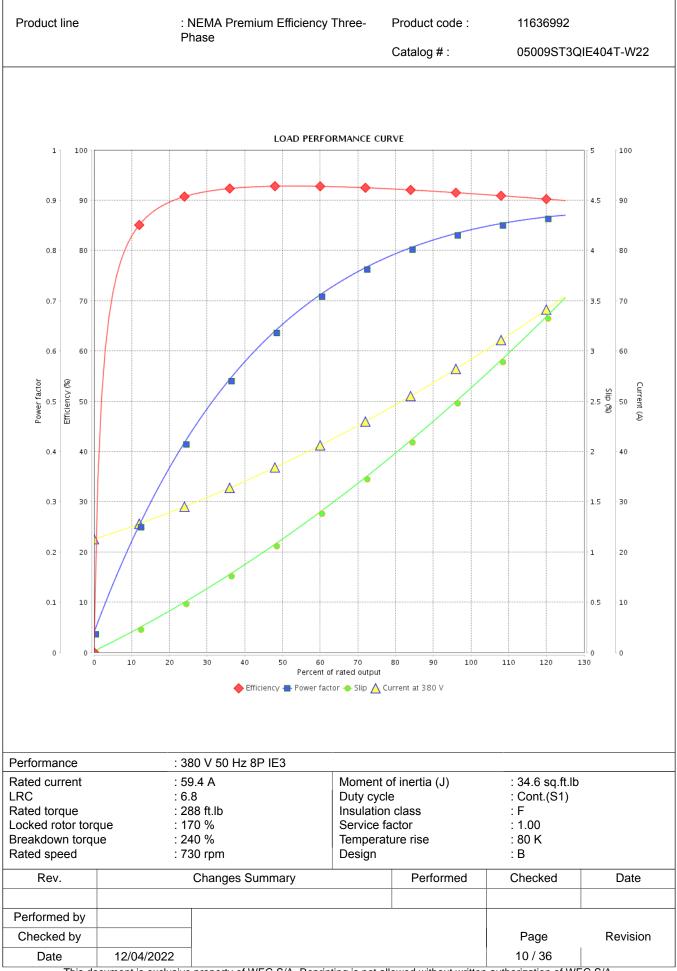
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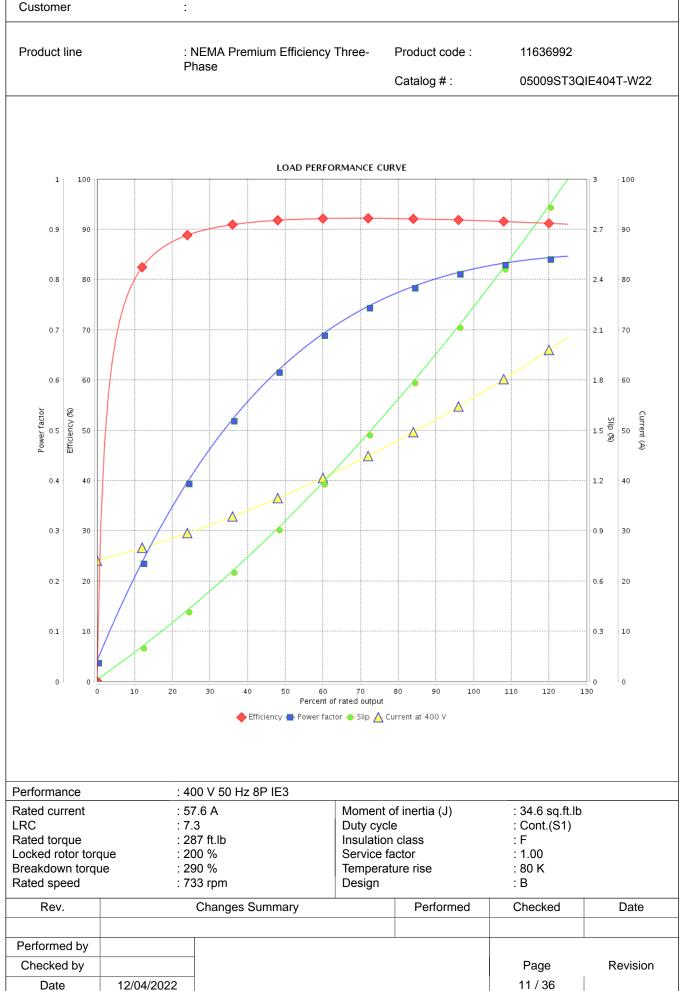


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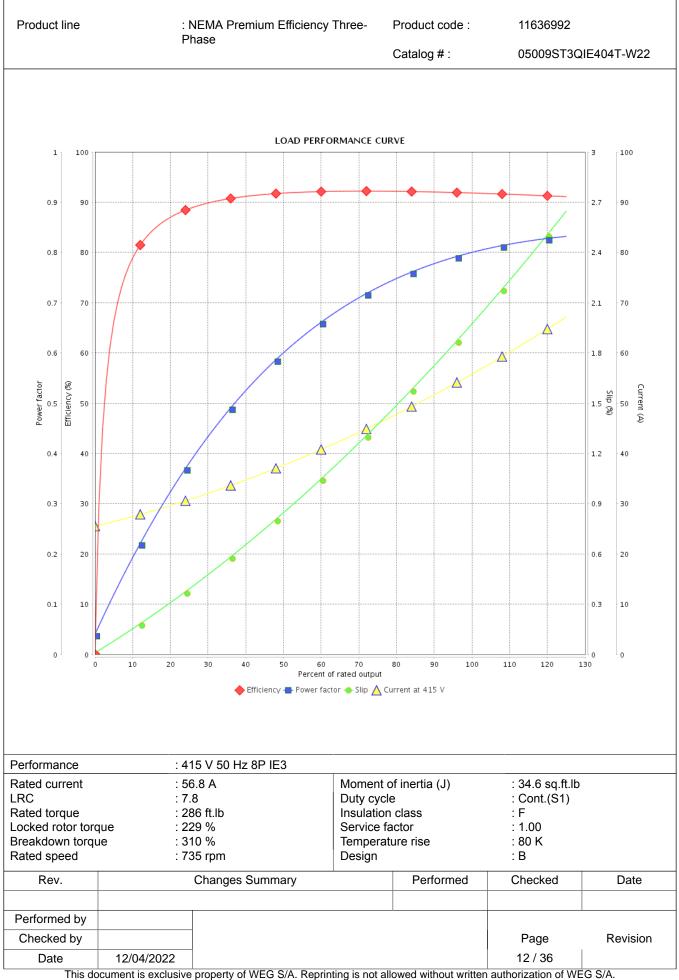
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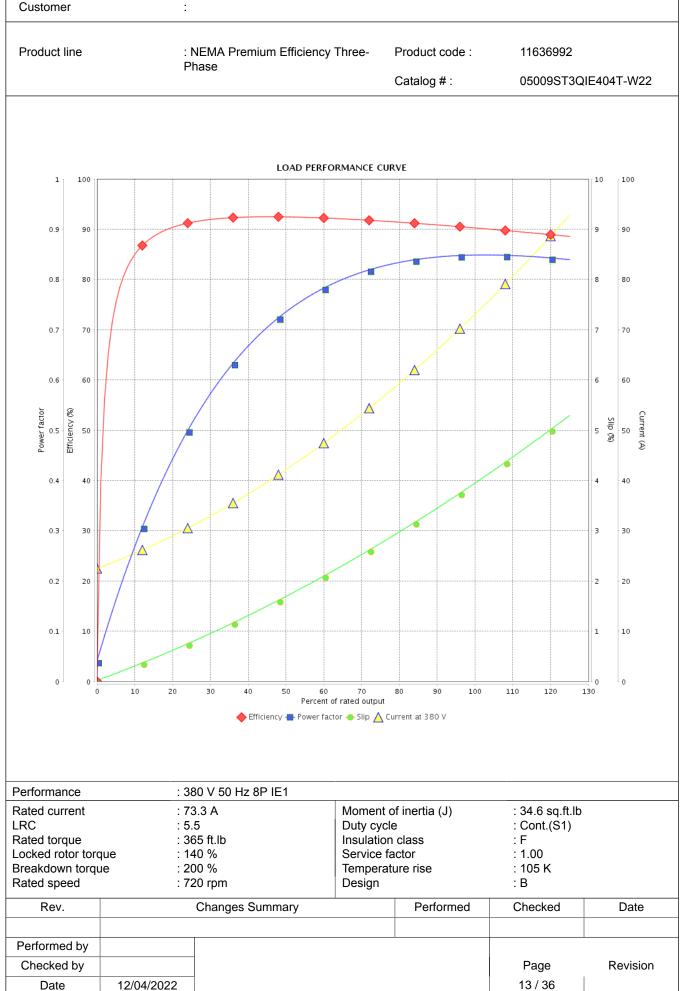


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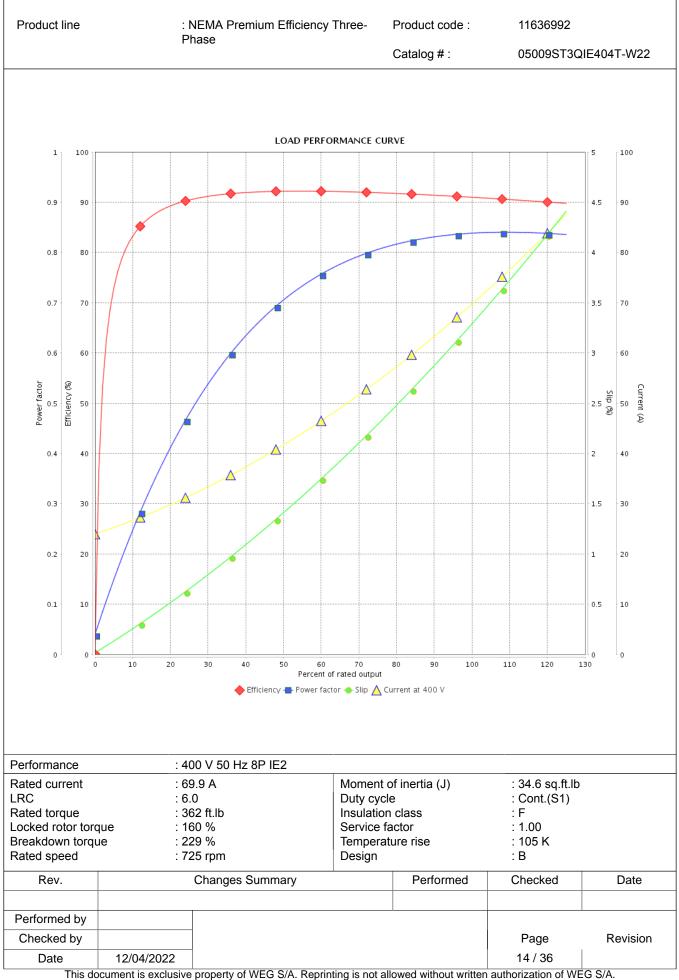
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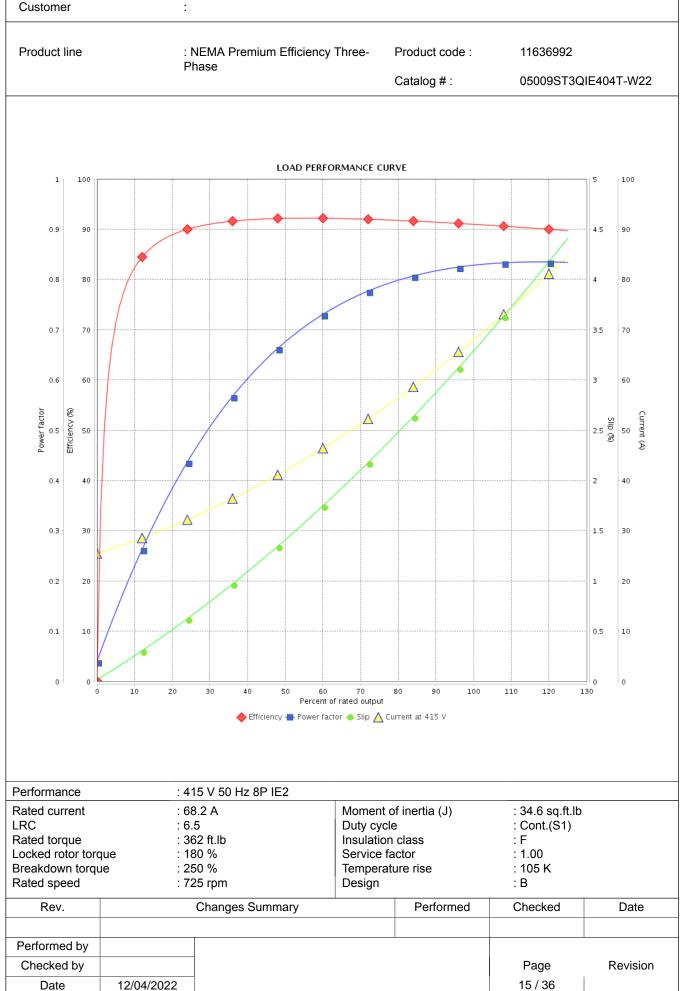


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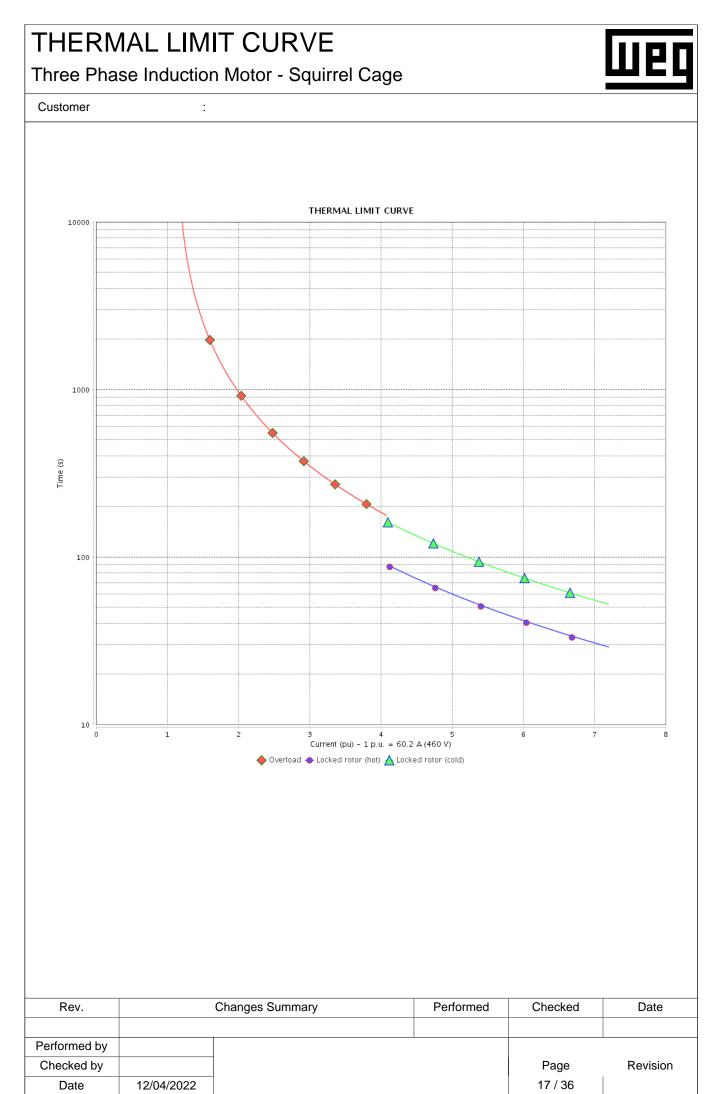
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Three Pha	se Inductio	on Motor - Squirrel	Cage			шсц
Customer	:				<u> </u>	
Product line		NEMA Premium Efficiency	Three-	Product code :	11636992	
		Phase		Catalog # :	05009ST3QII	
Performance		460 V 60 Hz 8P	Managata	finantia (I)		
Rated current LRC	: '	60.2 A 7.2	Duty cycle		: 34.6 sq.ft.lb : Cont.(S1)	
Rated torque: 298 ft.lbLocked rotor torque: 170 %		Insulation Service fa		: F : 1.25		
Breakdown torqu	ie ::	260 %	Temperat		: 80 K	
Rated speed		880 rpm	Design		: B	
Heating constan Cooling constan						
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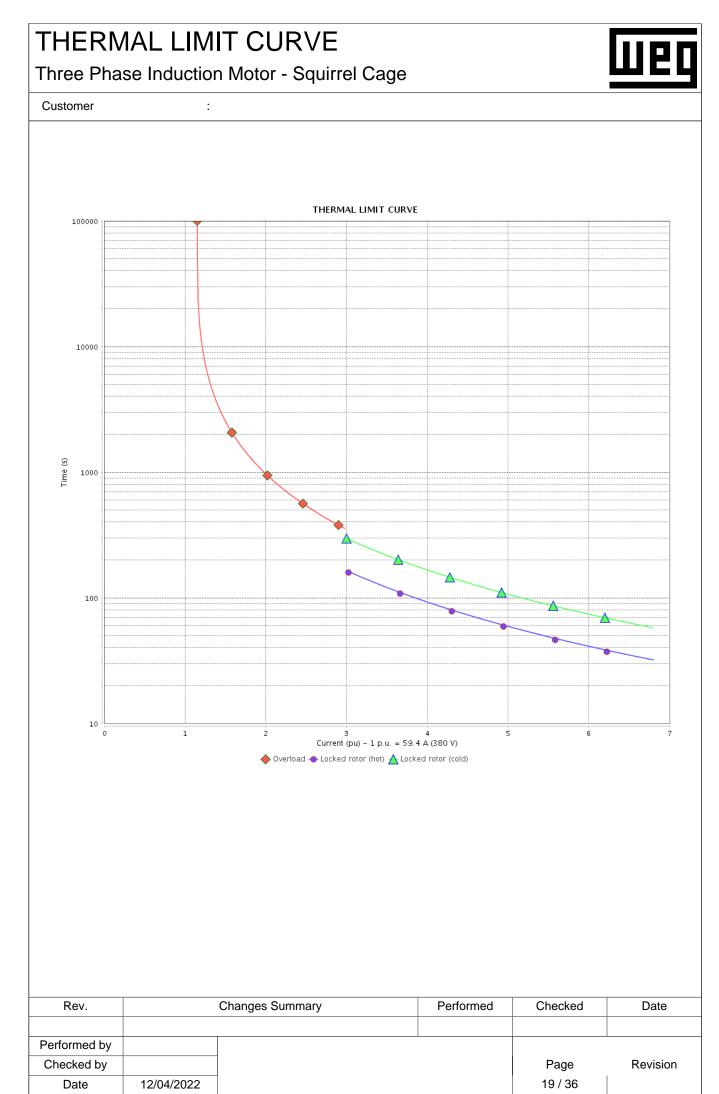


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Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line		NEMA Premium Efficiency	Three-	Product code :	11636992	
	Р	hase		Catalog # :	05009ST3QI	E404T-W22
Performance	: 3	80 V 50 Hz 8P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 2 que : 1 ie : 2 : 7	9.4 A .8 88 ft.lb 70 % 40 % 30 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ictor	: 34.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant						
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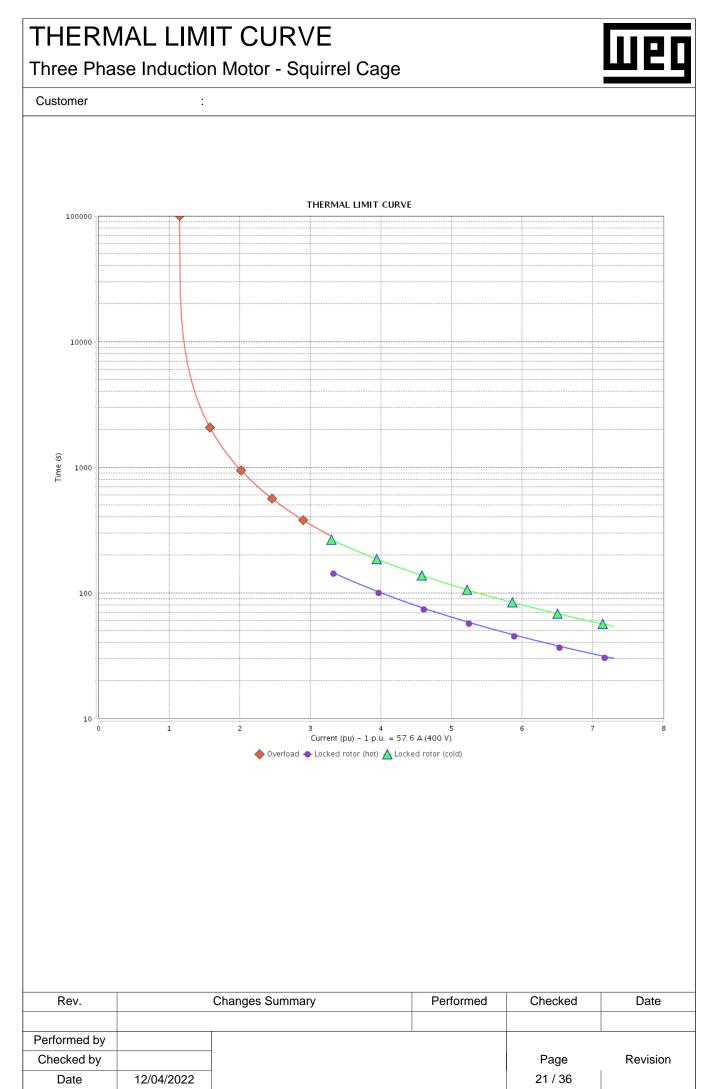


THERM	1AL LIM	IT CURVE				шед
Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line	:	NEMA Premium Efficiency	Three-	Product code :	11636992	
		hase		Catalog # :	05009ST3Q	E404T_\W22
Performance	: 4	00 V 50 Hz 8P IE3				
Rated current LRC	: 5 : 7	7.6 A	Moment of Duty cycle	of inertia (J)	: 34.6 sq.ft.lb : Cont.(S1)	
Rated torque	: 2	87 ft.lb	Insulation	class	: F	
Locked rotor toro Breakdown torqu		00 % 90 %	Service fa Temperat		: 1.00 : 80 K	
Rated speed		33 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
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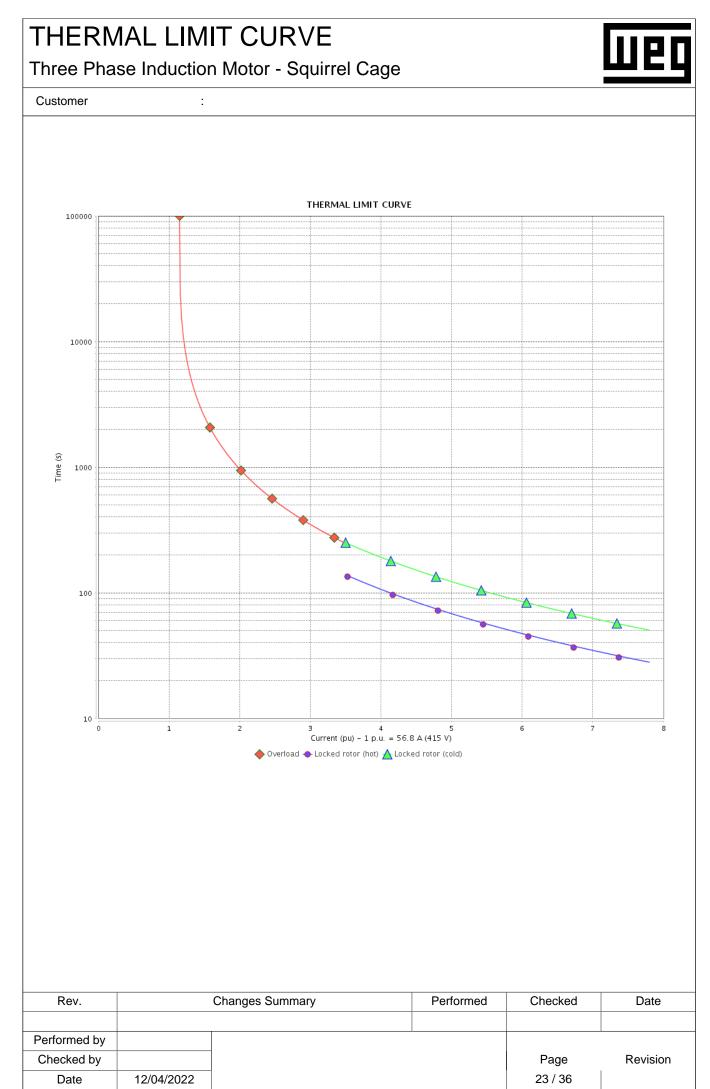


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Three Pha	se Inductio	n Motor - Squirrel	Cage			шед
Customer	:					
Product line	:	NEMA Premium Efficiency ⁻	Three-	Product code :	11636992	
		hase		Catalog # :	05009ST3QI	F404T-\W22
Performance Rated current		15 V 50 Hz 8P IE3 6.8 A	Momenta	f inertia (J)	: 34.6 sq.ft.lb	
LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7 : 2 que : 2 Je : 3		Duty cycle Insulation Service fa Temperatu Design	e class ictor	: Cont.(S1) : F : 1.00 : 80 K : B	
Heating constan	t		-			
Cooling constant Rev.	t	Changes Summary		Performed	Checked	Data
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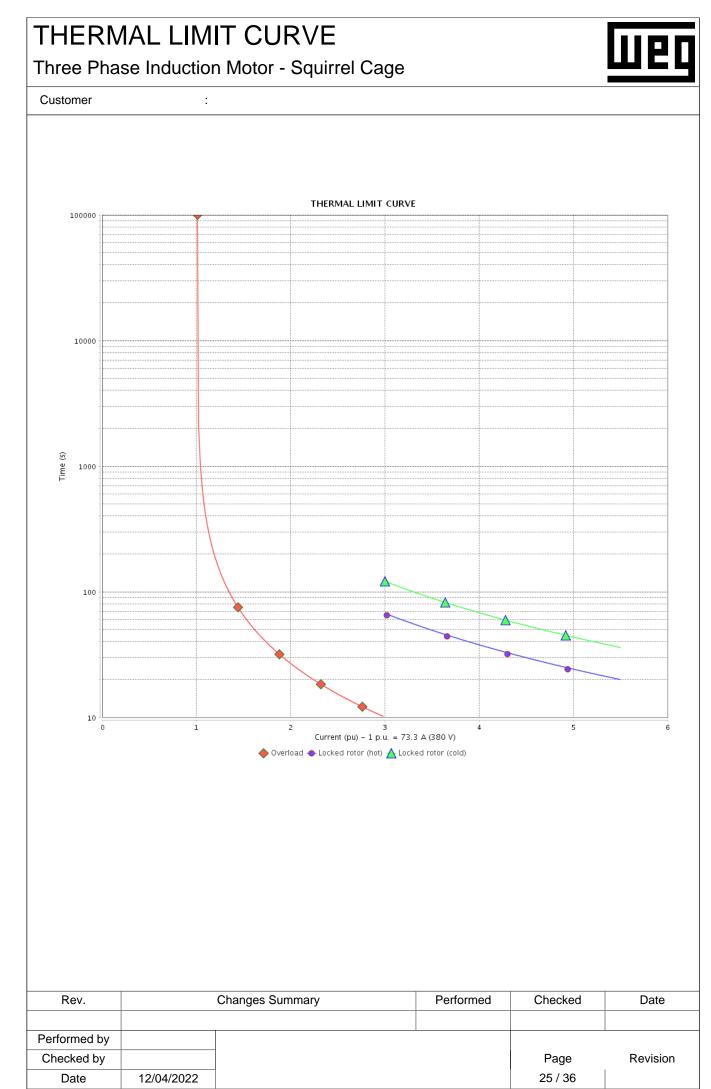


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Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line	:	NEMA Premium Efficiency	Three-	Product code :	11636992	
		Phase		Catalog # :	05009ST3QI	
					0000901001	
Performance		380 V 50 Hz 8P IE1				
Rated current LRC		73.3 A 5.5	Moment of Duty cycle	of inertia (J) e	: 34.6 sq.ft.lb : Cont.(S1)	
Rated torque	: 3	365 ft.lb	Insulation	i class	: F	
Locked rotor toro Breakdown torqu		140 % 200 %	Service fa Temperat		: 1.00 : 105 K	
Rated speed		720 rpm	Design		: B	
Heating constant						
Cooling constant	t	Changes O		De rée march	Oh li - l	Data
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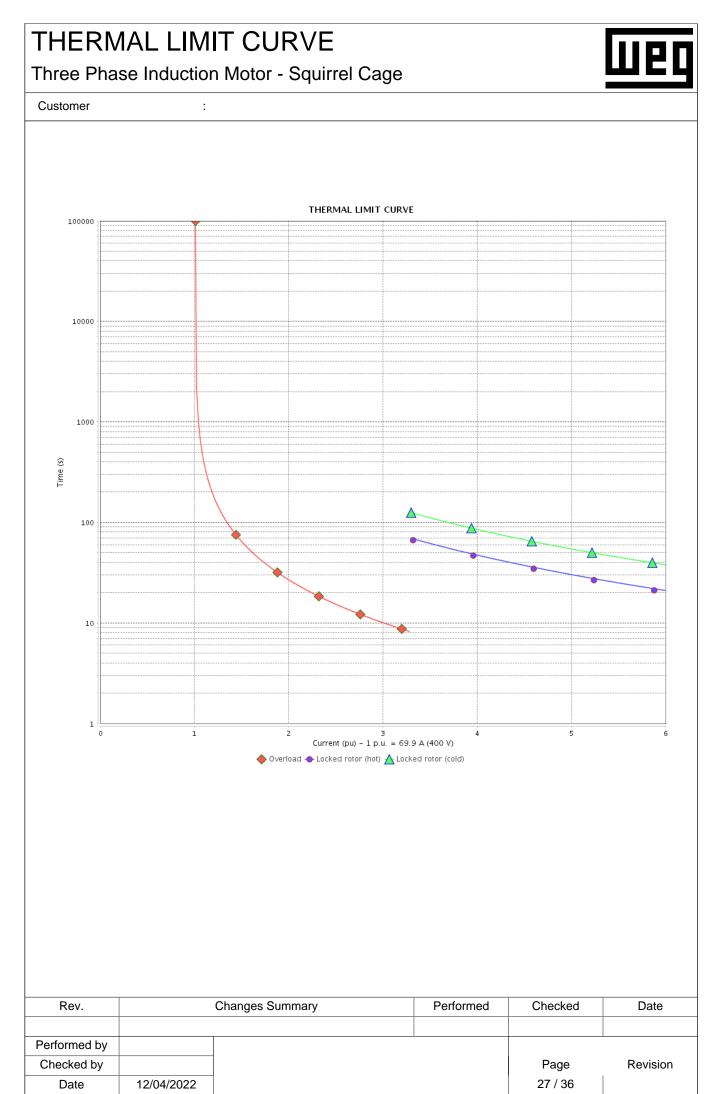


Customer : Product line :NEMA Premium Efficiency Three Product code : 11636992 Phase Catalog # : 05009ST3QIE404T-W22 Catalog # : 05009ST3QIE404T-W22 Phase Catalog # : 050	THERM	1AL LIM	IT CURVE				шед
Product line : NEMA Premium Efficiency Three- Phase Product code :: 11630992 Catalog # : 05009\$T3QIE404T-W22	Three Pha	se Induction	n Motor - Squirrel	Cage			шсц
Phase Catalog #: 05009ST3QIE404T-W22 Performance : 400 V 50 Hz 8P IE2 Rated forurent : : Rated forurent : : IAC : : Duty cycle : : Deckdor torior torque : : Breaktown torque : : Breaktown torque : : Breaktown torque : : Design : : Heating constant :	Customer	:					
Phase Catalog #: 05009ST3QIE404T-W22 Performance : 400 V 50 Hz 8P IE2 Rated forurent : : Rated forurent : : IAC : : Duty cycle : : Deckdor torior torque : : Breaktown torque : : Breaktown torque : : Breaktown torque : : Design : : Heating constant :	Product line	:	NEMA Premium Efficiency ⁻	Three-	Product code :	11636992	
Performance : 400 V 50 Hz 8P IE2 Rated ourrent : 69.9 A LRC : 60.0 LRC : 60.0 Duty cycle : Cont.(S1) IRC : Cont.(S1) IRC : S02 ft.lb Insulation class : F Locked rolor torque : 100 K Service factor : 100 K Rated speed : 725 rpm Heating constant : B							
Rated current: 69.9 AMoment of inertia (J): 34.6 sq.ft.lbLRC: 6.0Duty cycle: Cont.(S1)Rated torque: 362 ft.lbInsulation class: FLocked rotor torque: 160 %Service factor: 1.00Breakdown torque: 229 %Temperature rise: 105 KRated speed: 725 rpmDesign: B							
Rated current: 69.9 AMoment of inertia (J): 34.6 sq.ft.lbLRC: 6.0Duty cycle: Cont.(S1)Rated torque: 362 ft.lbInsulation class: FLocked rotor torque: 160 %Service factor: 1.00Breakdown torque: 229 %Temperature rise: 105 KRated speed: 725 rpmDesign: B							
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LRC: 6.0Duty cycle: Cont.(S1)Rated torque: 362 ft.lbInsulation class: FLocked rotor torque: 160 %Service factor: 1.00Breakdown torque: 229 %Temperature rise: 105 KRated speed: 725 rpmDesign: BHeating constant			1	Momonto	finartia (I)	: 34 6 cg ft lb	
Locked rotor torque : 160 % Service factor : 1.00 Breakdown torque : 229 % Temperature rise : 105 K Rated speed : 725 rpm Design : B Heating constant Cooling constant	LRC	: 6	.0	Duty cycle	9	: Cont.(S1)	
Breakdown torque : 229 % Temperature rise : 105 K Rated speed : 725 rpm Design : B Heating constant Cooling constant	Rated torque : 362 ft.lb						
Heating constant Cooling constant	Breakdown torqu	Je : 2	29 %	Temperatu		: 105 K	
Cooling constant			25 ipin	Design		. D	
	-		Changes Summary		Performed	Checked	Date
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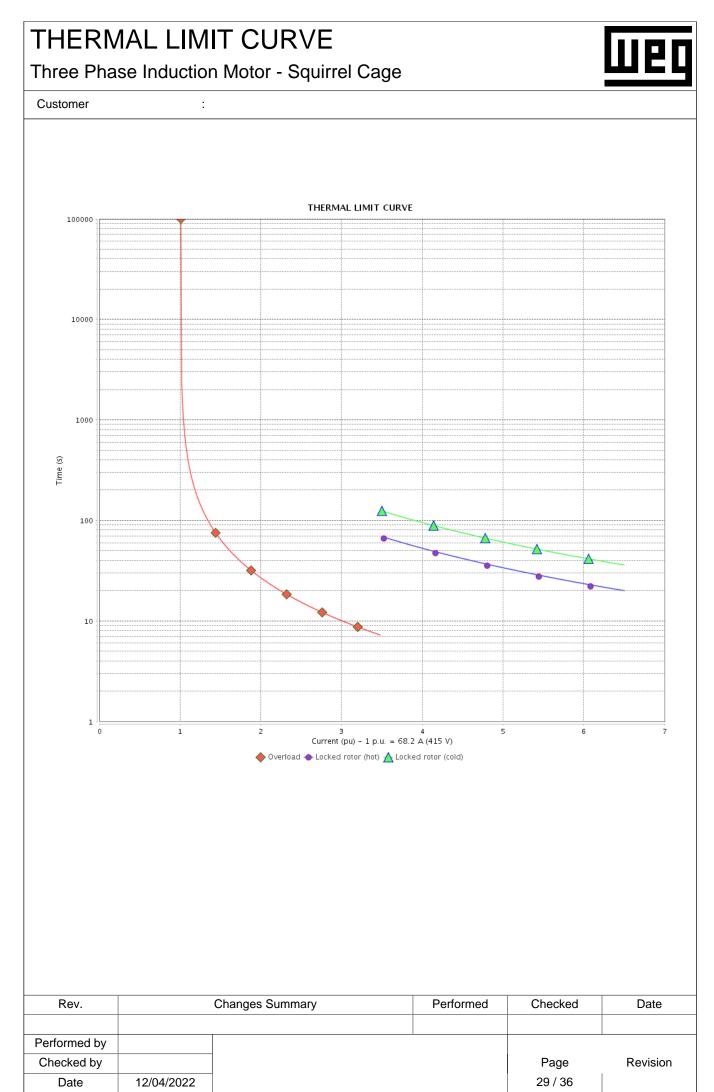


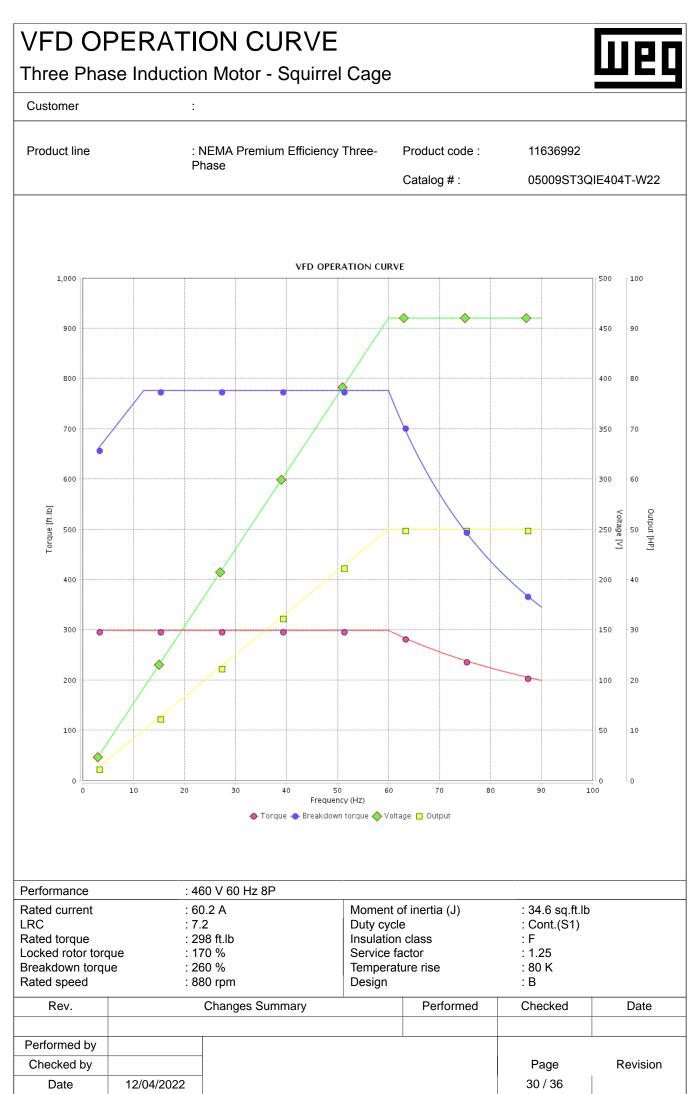
THERM	1AL LIM	IT CURVE				шед
Three Pha	se Inductio	n Motor - Squirrel	Cage			шсч
Customer	:					
Product line	:	NEMA Premium Efficiency	Three-	Product code :	11636992	
		Phase		Catalog # :	05009ST3Q	
					00009313Q	124041-1122
Performance		15 V 50 Hz 8P IE2				
Rated current LRC		8.2 A	Moment of Duty cycle	of inertia (J) e	: 34.6 sq.ft.lb : Cont.(S1)	
Rated torque : 362 ft.lb		Insulation	class	: F		
Locked rotor toro Breakdown torqu		80 % 250 %	Service fa Temperat		: 1.00 : 105 K	
Rated speed		25 rpm	Design		: B	
Heating constan	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
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Checked by	<u> </u>	-			Page	Revision

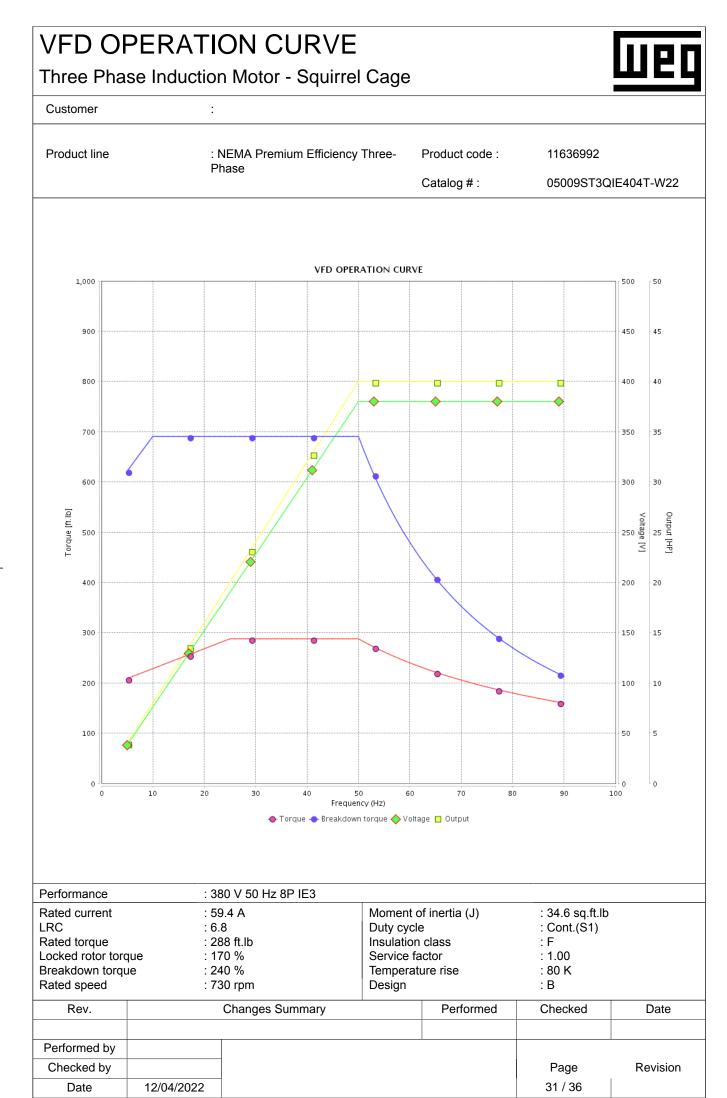
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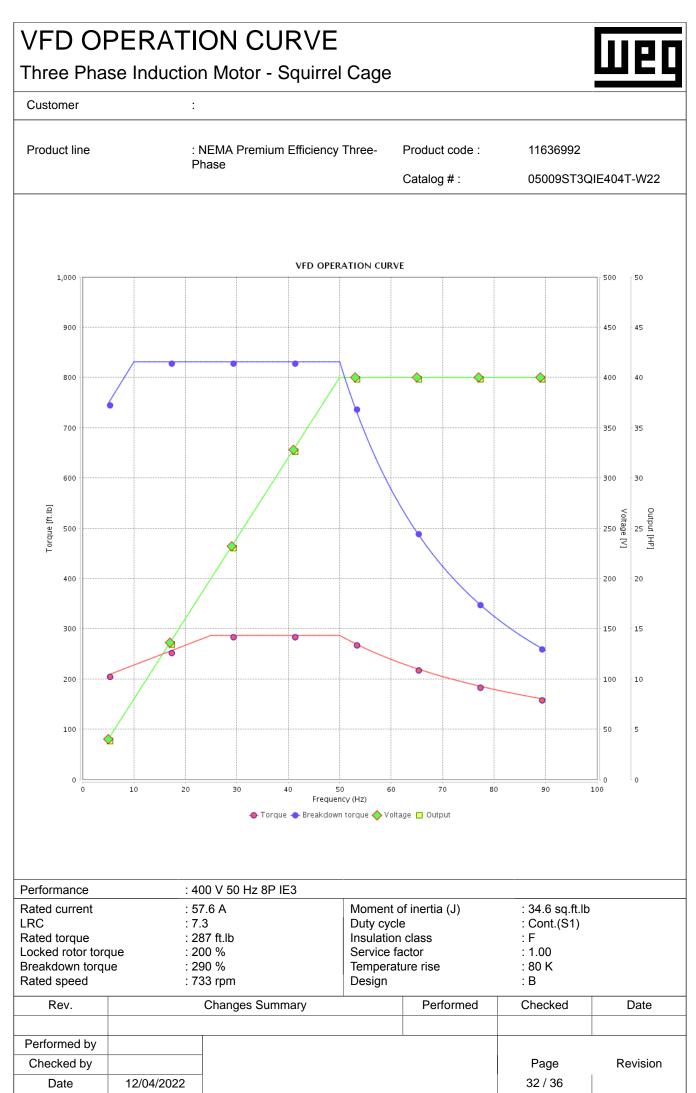
Date

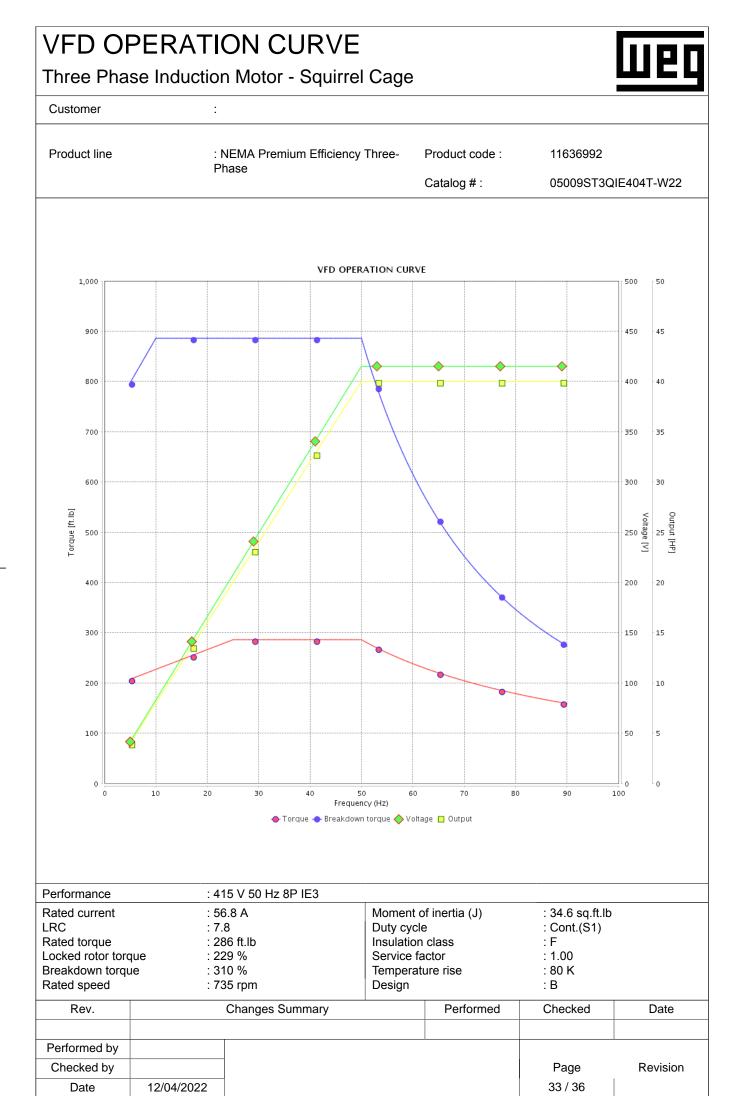
12/04/2022

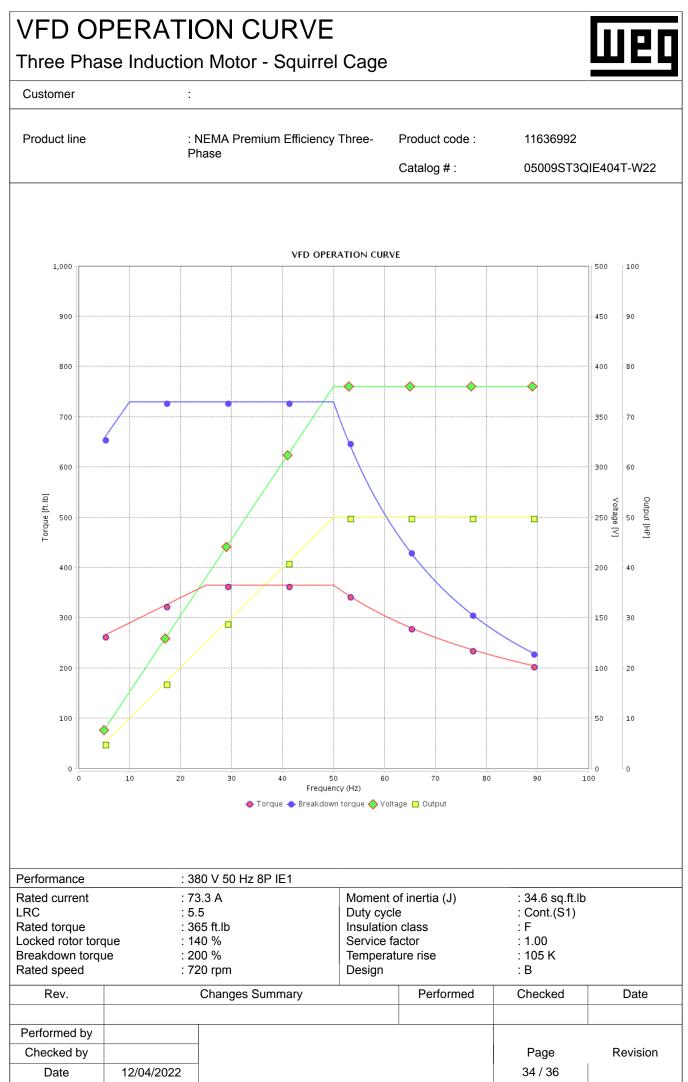


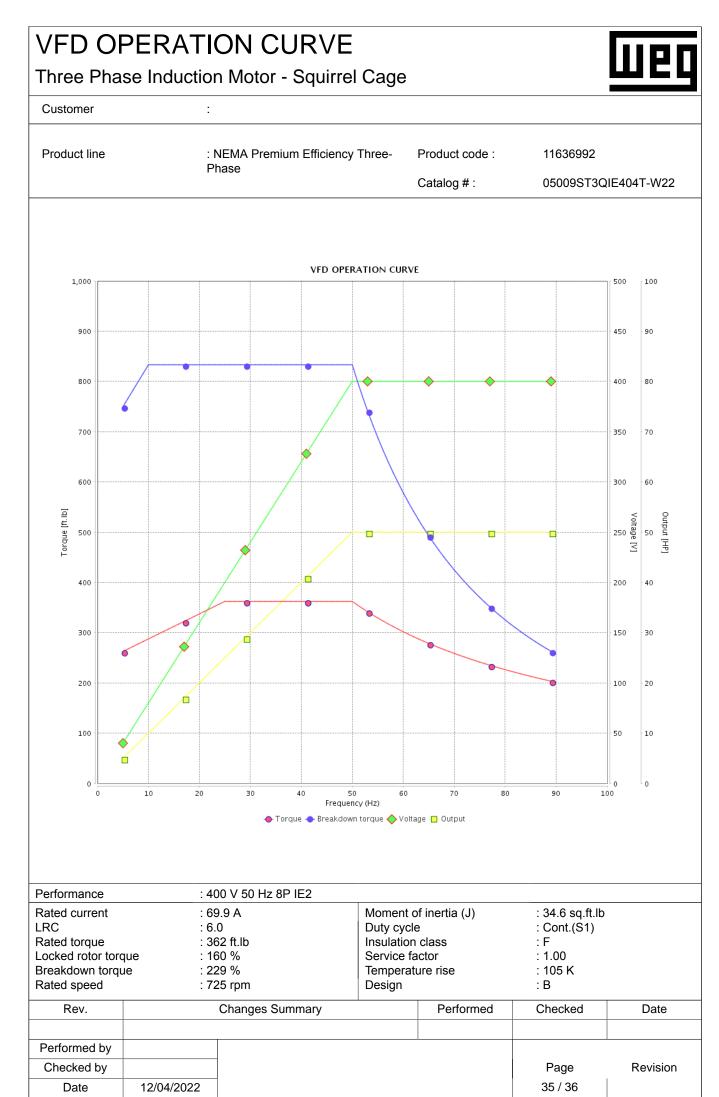


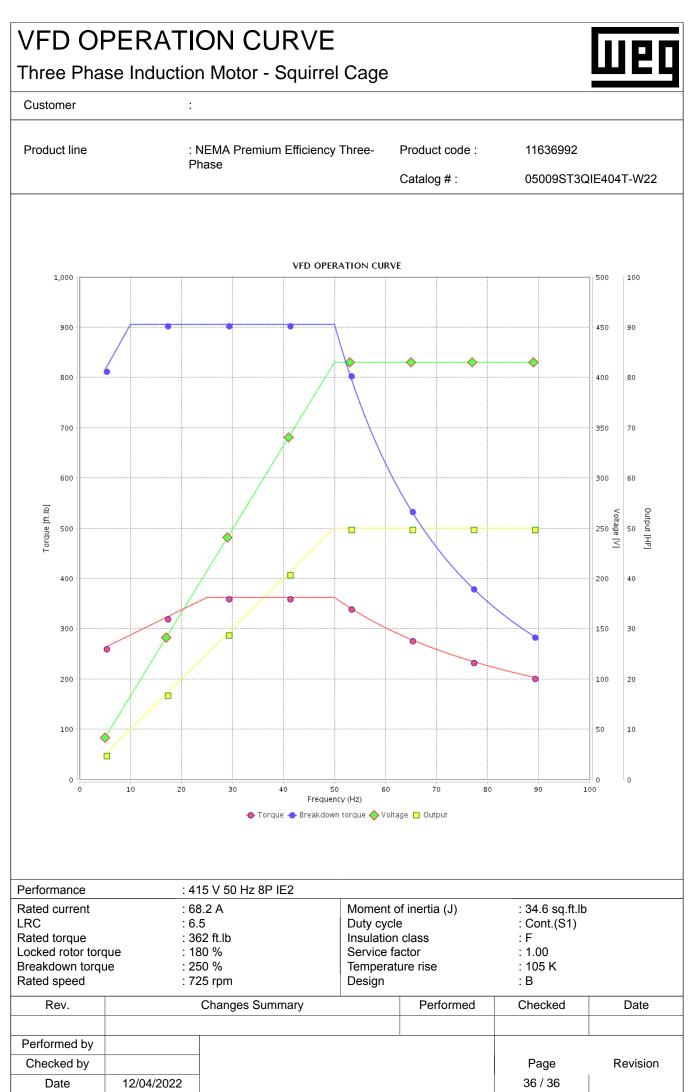


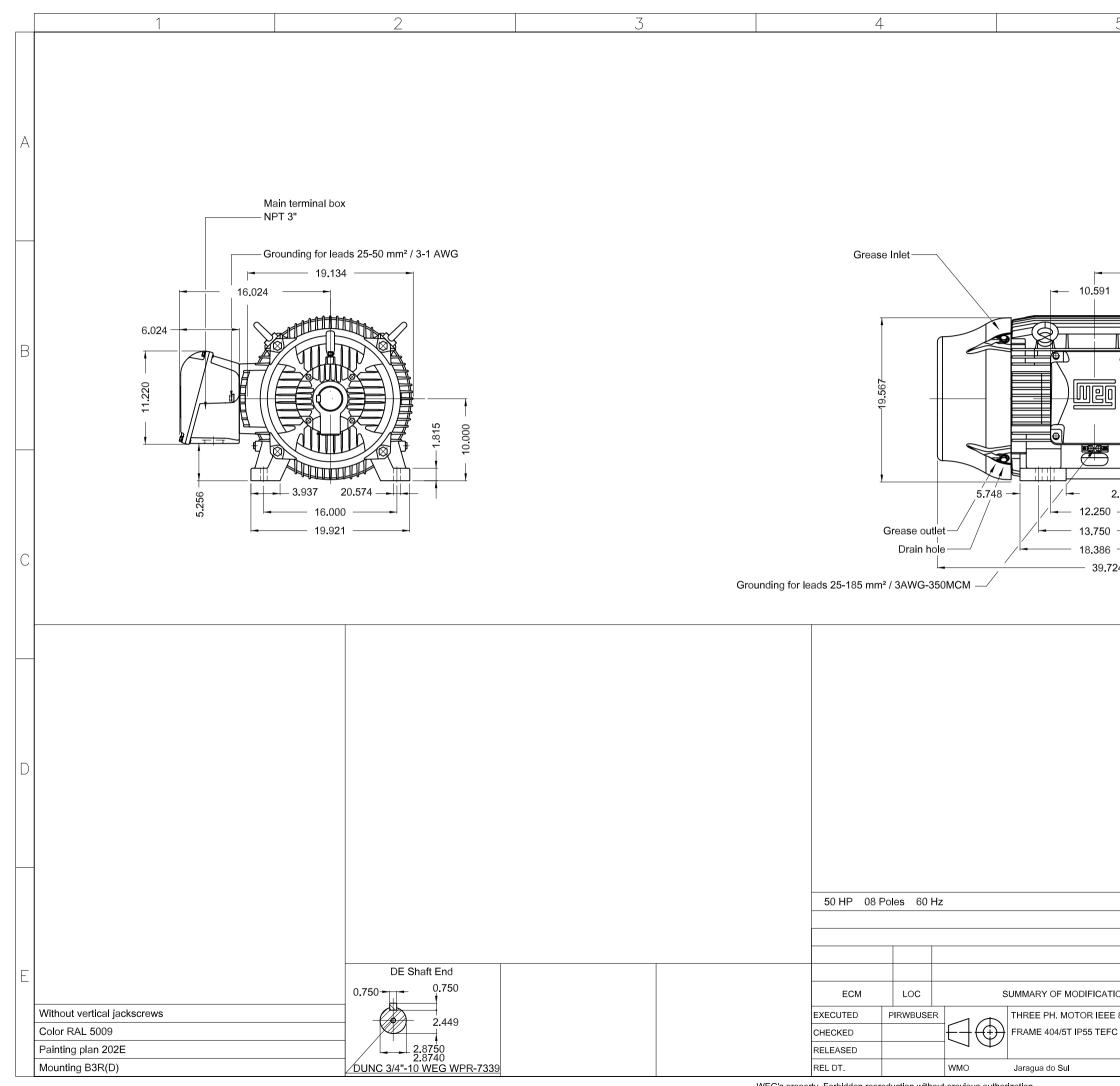












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	I		-		
— 13.504 ——	Gre	ease Inlet			
		- 5.709			
2.323					
6.625		- 7.250 - Grease outlet			
_		-Drain hole			
					'
					A
ONS	EXECUTED	CHECKED	RELEASED	DATE	VER
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