DATA SHEET

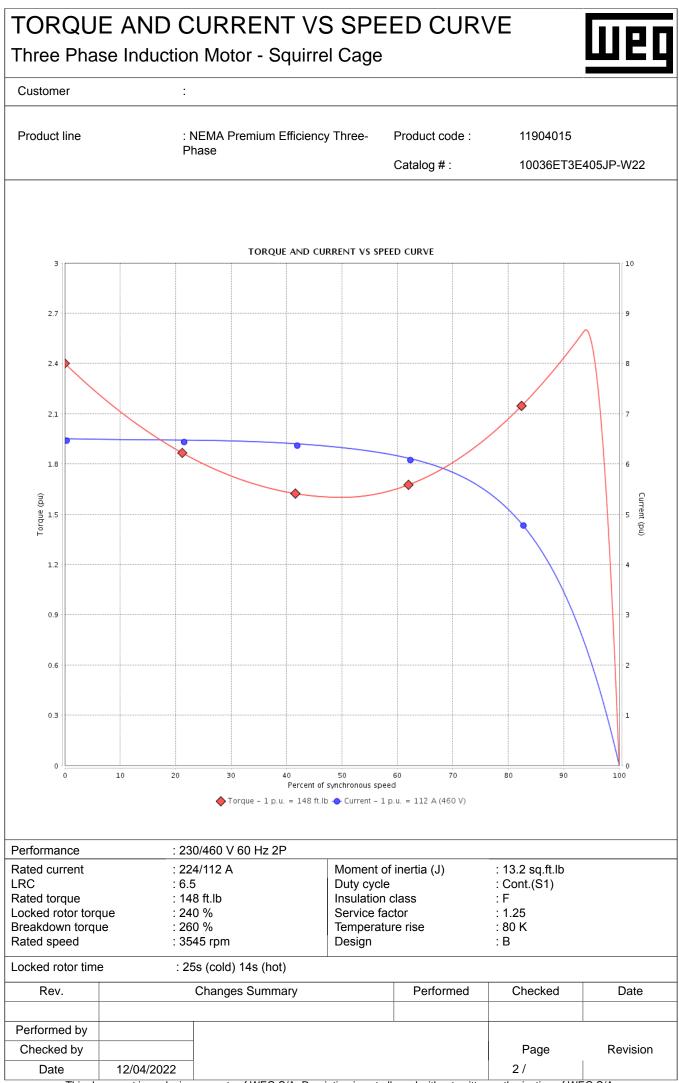
Three Phase Induction Motor - Squirrel Cage

:

Customer

Product line : NEMA Premium Efficiency Three- Phase			ree- Product code : 1190401		1904015				
						Catalog # :	10	0036ET3E40	5JP-W22
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degree Design			F Cont.(S1) -20°C to +40°C 1000 m.a.s.l. IP55		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: : :	: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 1128 lb : 13.2 sq.ft.lb	
Output [HP]		100	75		75	75			
		2	2		2	2			
Frequency [Hz]		60	50		50	50			
Rated voltage [V]		230/460	380		100	415			
Rated current [A]		224/112	99.6		4.6	92.2			
. R. Amperes [A]		1456/728	677		719	756			
RC [A]		6.5x(Code G)				8.2x(Code J)	x(Code)	x(Code)	x(Code)
No load current [A		52.0/26.0	25.7		27.5	29.1			
Rated speed [RPN	/]	3545	2955		960	2965			
Slip [%]		1.53	1.50		.33	1.17			
Rated torque [ft.lb]		148	133		133	133			
_ocked rotor torqu		240	250		280	300			
Breakdown torque	[%]	260	280		310	330			
Service factor		1.25	1.00		.00	1.00			
Temperature rise		80 K	80 K		0 K	80 K	80 K	80 K	80 K
ocked rotor time		25s (cold) 14s (hot)	18s (cold) 10s (hot)	10s	(cold) s (hot)	18s (cold) 10s (hot)			
Noise level ²		79.0 dB(A)	74.0 dB(A)		dB(A)	74.0 dB(A)	dB(A)	dB(A)	dB(A)
	25%	92.8	92.4	-	2.5	93.1			
Efficiency (%)	50%	93.0	93.0		3.1	93.5			
• • •	75% 100%	94.1 94.1	93.8 94.3)3.8)4.3	94.0 94.3			
	25%	0.61	94.3 0.59		94.3 0.55	0.53			
	50%	0.83	0.39).80	0.33			
Power Factor	75%	0.88	0.88).86	0.76			
	100%	0.89	0.88		.80 .89	0.85			
	10070	Drive end				tion loads			
Bearing type Sealing Lubrication interv Lubricant amoun		: 6314 C3 : Lip Sea : 4000 h : 27 g	8 6314 0 I Lip Se 4000 27 g	C3 eal h	Max. tra			51 lb 880 lb	
Lubricant type Notes USABLE @208V	243A SF 1.7		I Polyrex EM						
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. otor from the m and with t veight subjec ocess.	e shaft end. olerance of +3	3dB(A).			are average va supply, subject			
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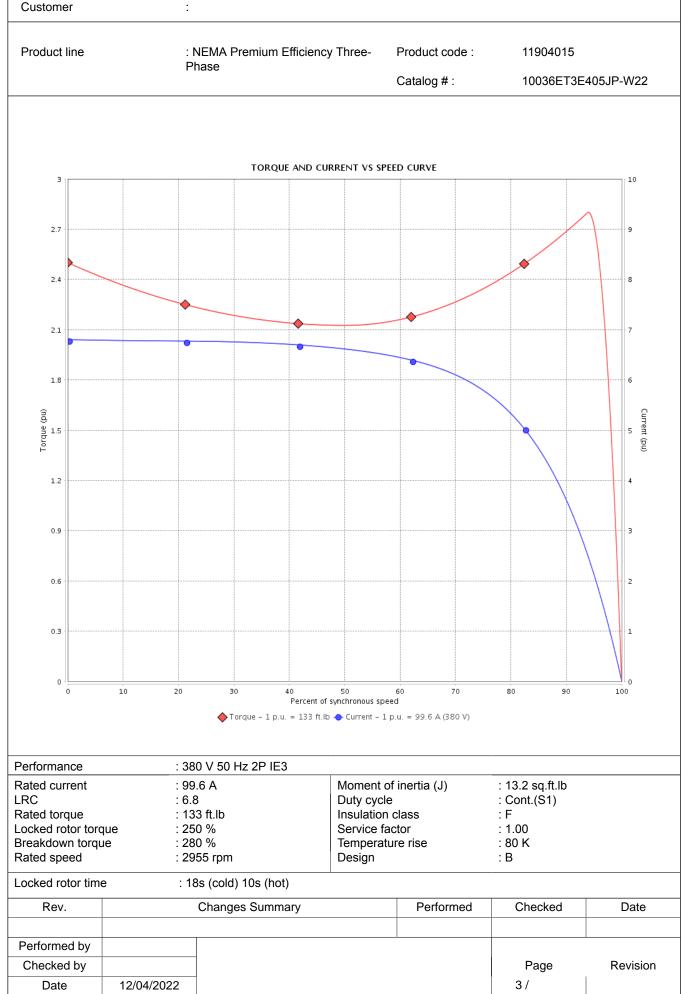


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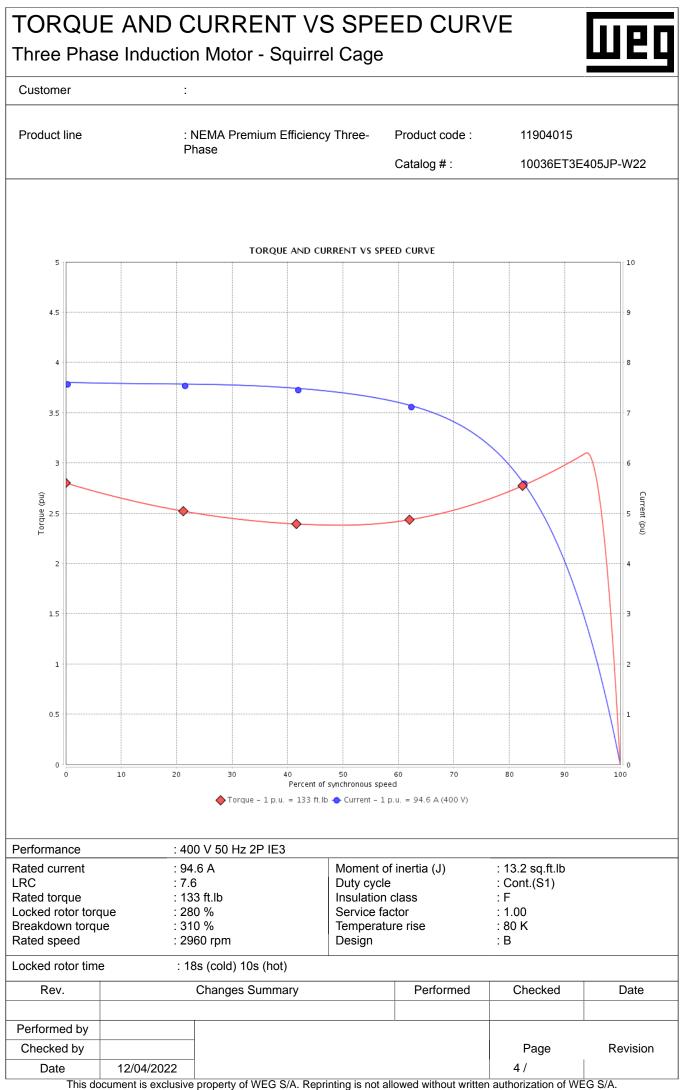
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



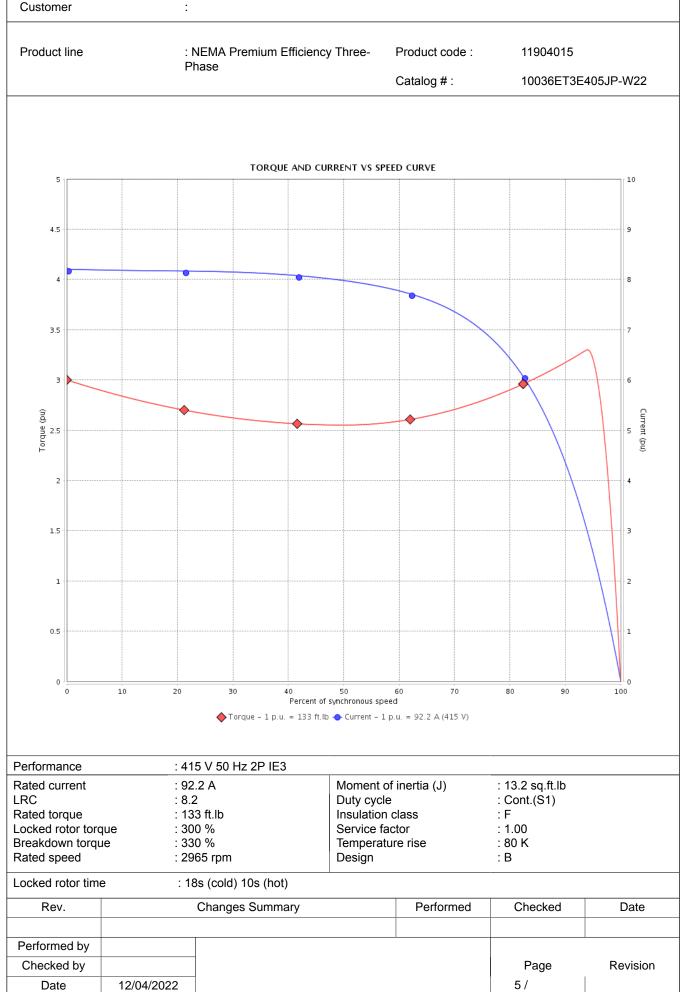
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Three Phase Induction Motor - Squirrel Cage

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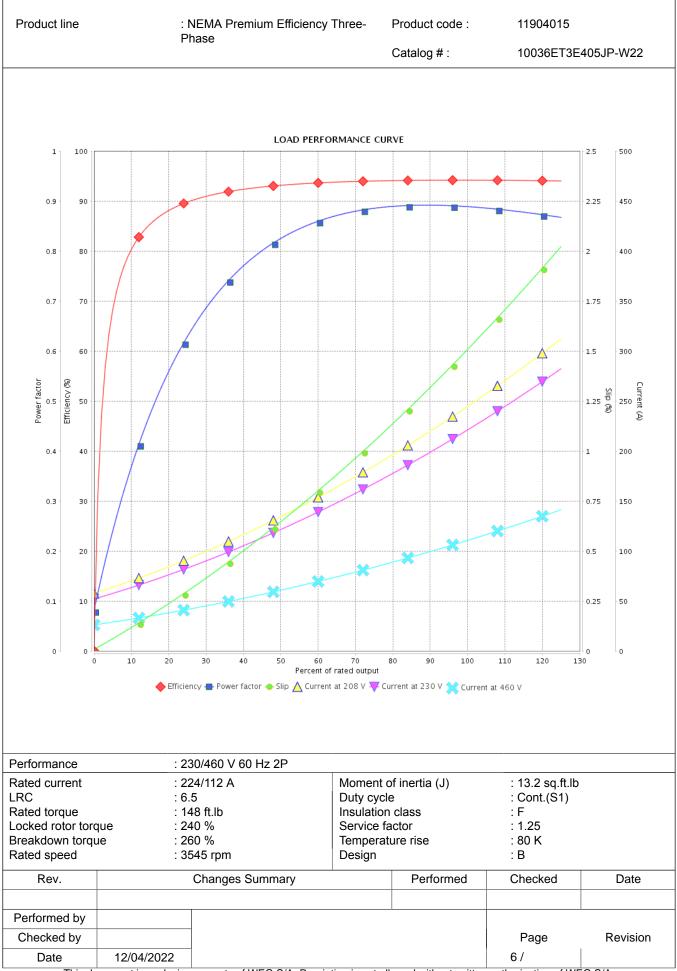
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Three Phase Induction Motor - Squirrel Cage

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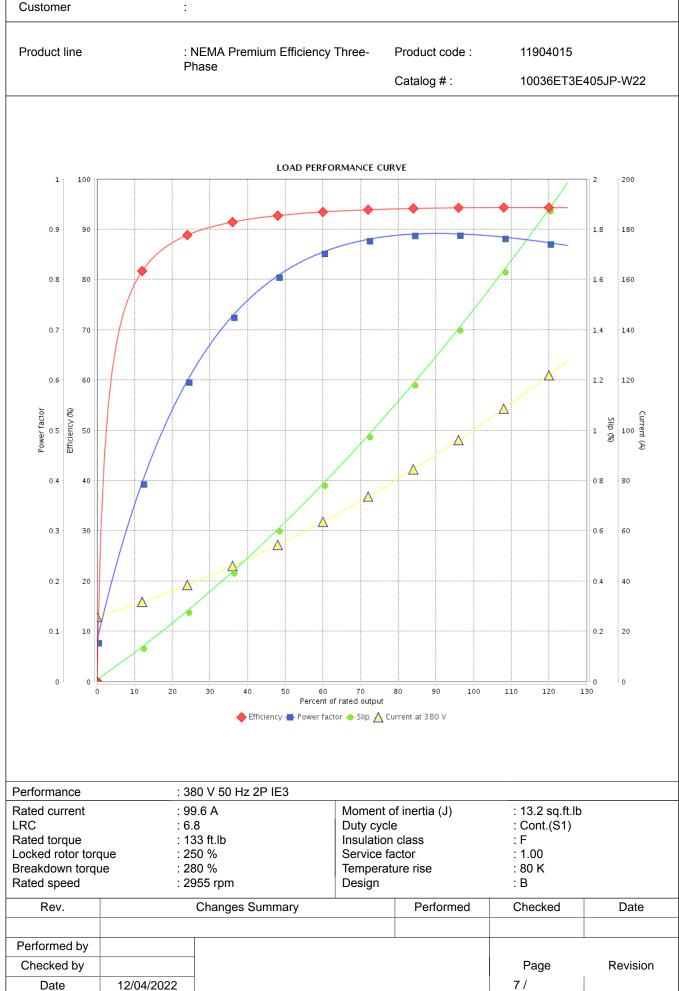


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Three Phase Induction Motor - Squirrel Cage

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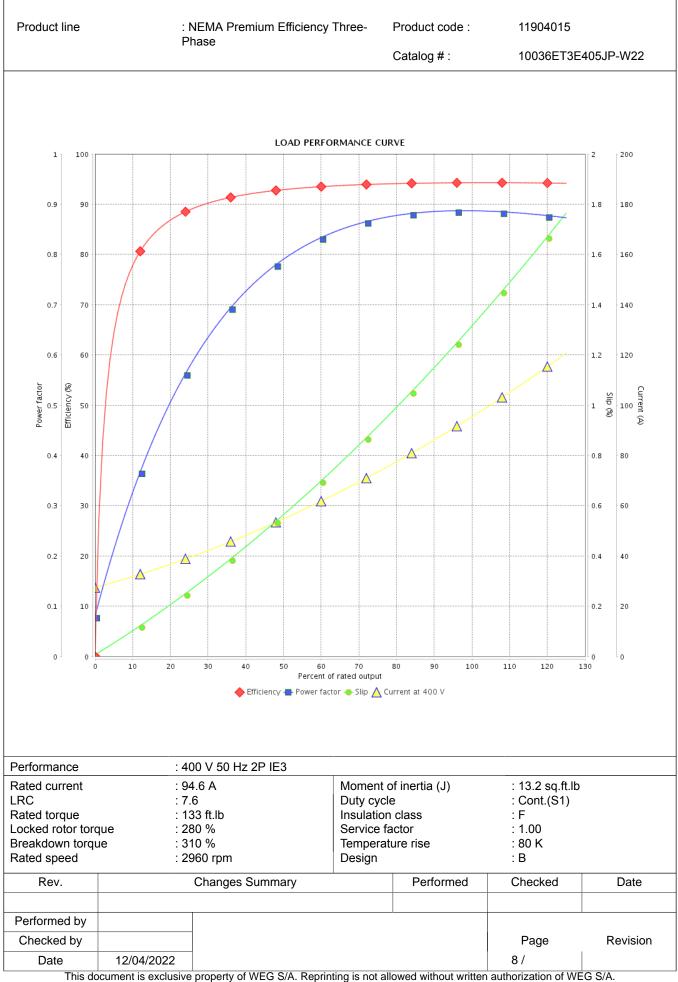
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Three Phase Induction Motor - Squirrel Cage

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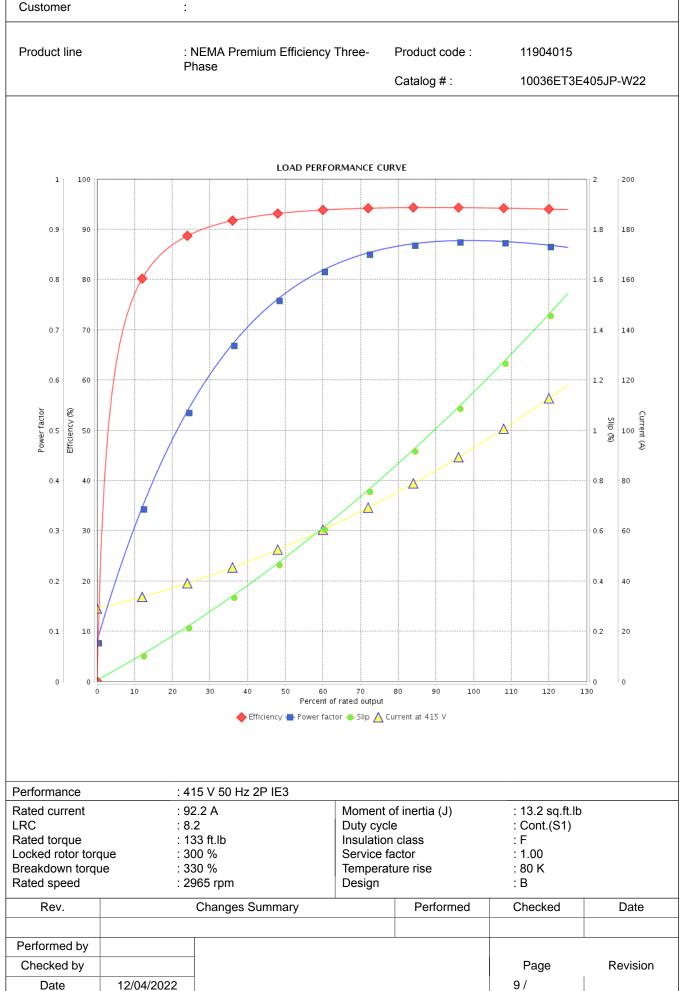


Customer



Three Phase Induction Motor - Squirrel Cage

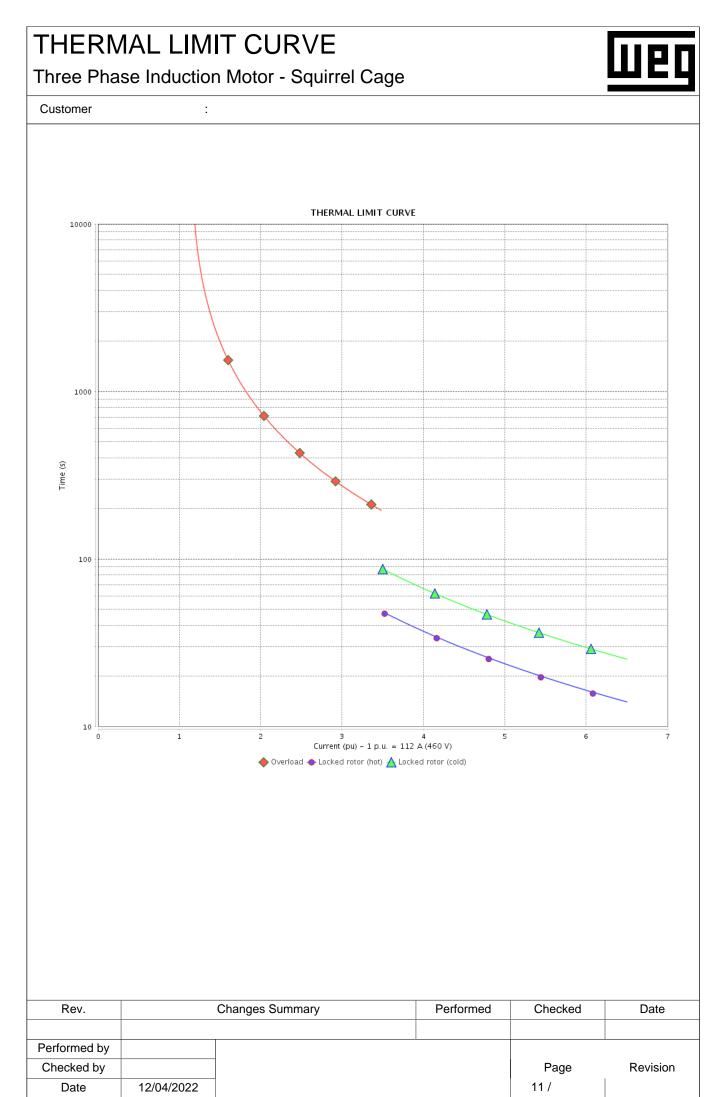
Customer



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THERMAL LI	MIT CURVE tion Motor - Squirrel	Cage		шер
Customer	:	0		
Product line	: NEMA Premium Efficiency Phase	Three-	Product code : Catalog # :	11904015 10036ET3E405JP-W22
Performance	: 230/460 V 60 Hz 2P		- f the state of the	10.0
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 224/112 A : 6.5 : 148 ft.lb : 240 % : 260 % : 3545 rpm	Moment of Duty cycl Insulatior Service fa Temperat Design	n class actor	: 13.2 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B
Heating constant				

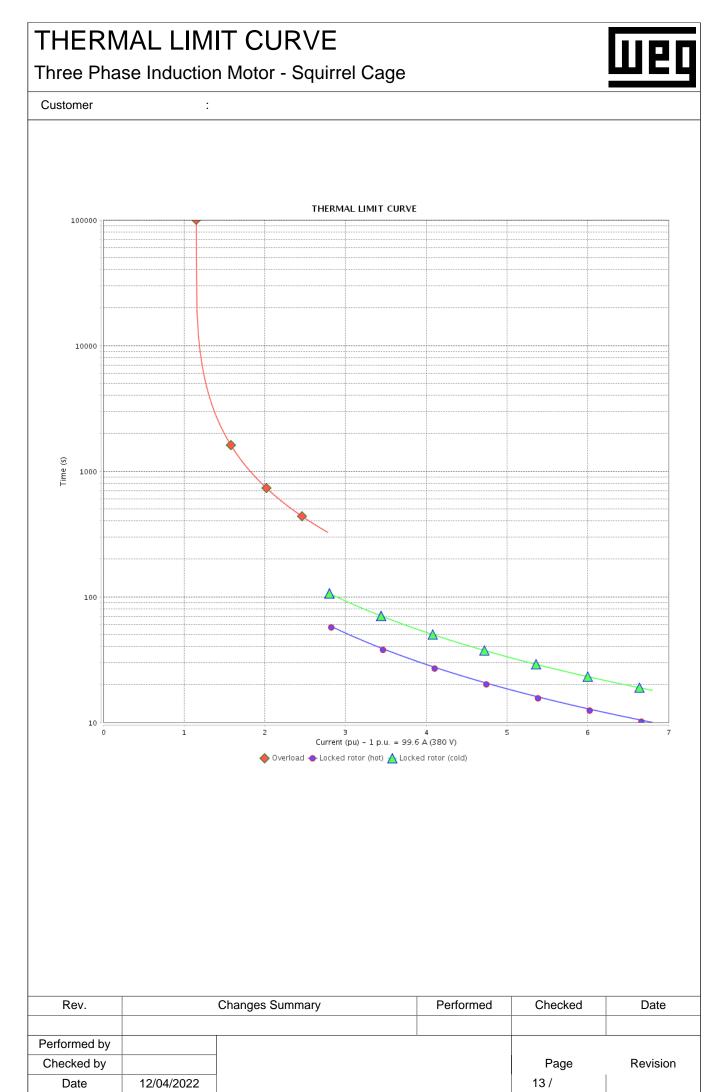
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Heating constant	t					
Cooling constant	t					
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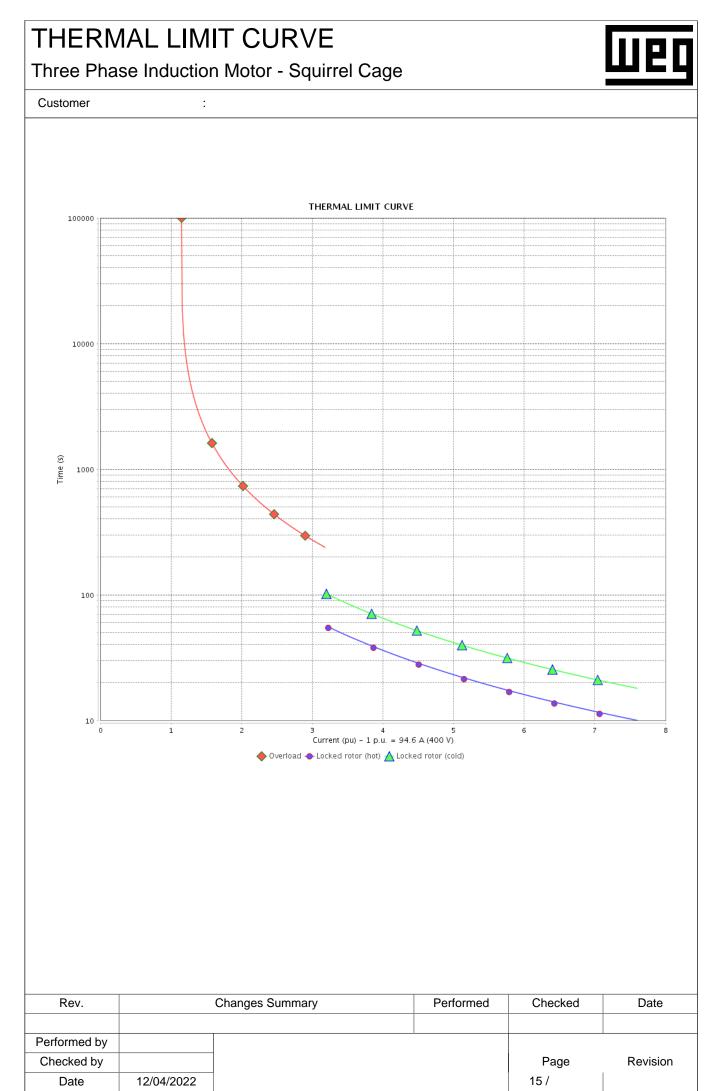
	IMIT CURVE	Cage	Шео
Customer	:		
Product line	: NEMA Premium Efficiency T Phase	hree- Product code : Catalog # :	11904015 10036ET3E405JP-W22
Performance	: 380 V 50 Hz 2P IE3		
Rated current	: 99.6 A	Moment of inertia (J)	: 13.2 sq.ft.lb
LRC Rated torque		Duty cycle Insulation class	: Cont.(S1) : F
Locked rotor torque Breakdown torque	: 250 %	Service factor Temperature rise	: 1.00 : 80 K
Rated speed		Design	: B
Heating constant			

Rated speed	:2	955 rpm	Design		:В	
Heating constan	t					
Cooling constan	t					
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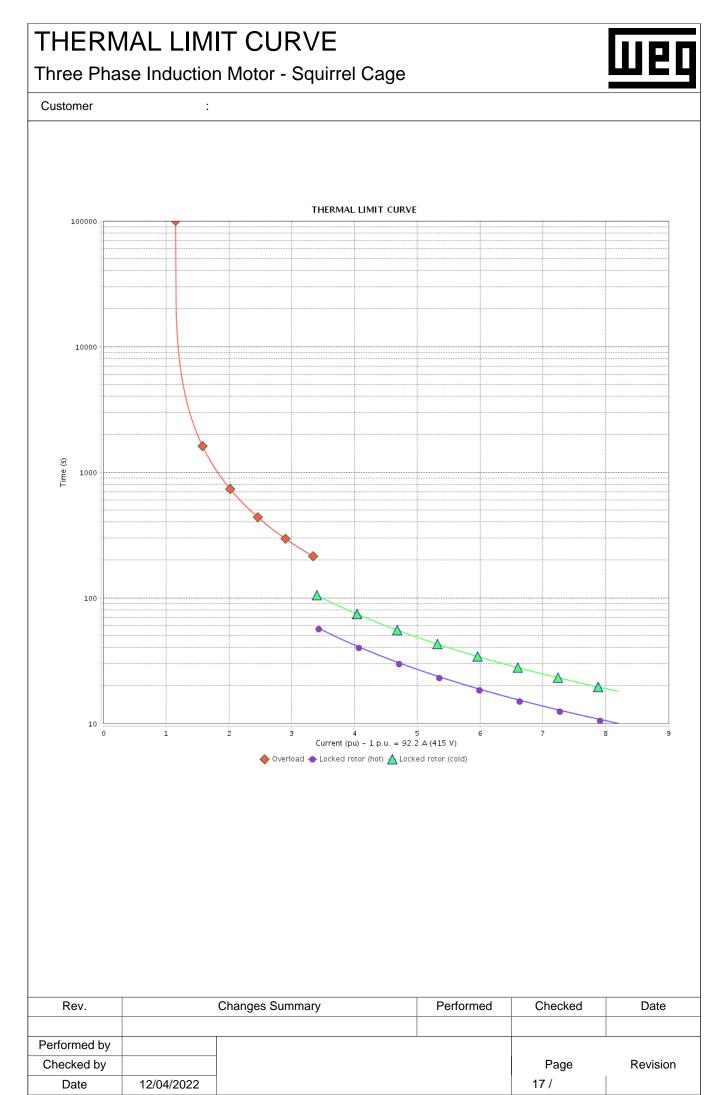
	LIMIT CURVE		
	uction Motor - Squirrel (Cage	Шер
Customer	:		
Product line	: NEMA Premium Efficiency Th Phase	nree- Product code : Catalog # :	11904015 10036ET3E405JP-W22
Performance	: 400 V 50 Hz 2P IE3		
Rated current	: 94.6 A	Moment of inertia (J)	: 13.2 sq.ft.lb
LRC Rated torque	: 7.6	Duty cycle nsulation class	: Cont.(S1) : F
Locked rotor torque Breakdown torque	: 280 %	Service factor Temperature rise	: 1.00 : 80 K
Rated speed		Design	: B
Heating constant			

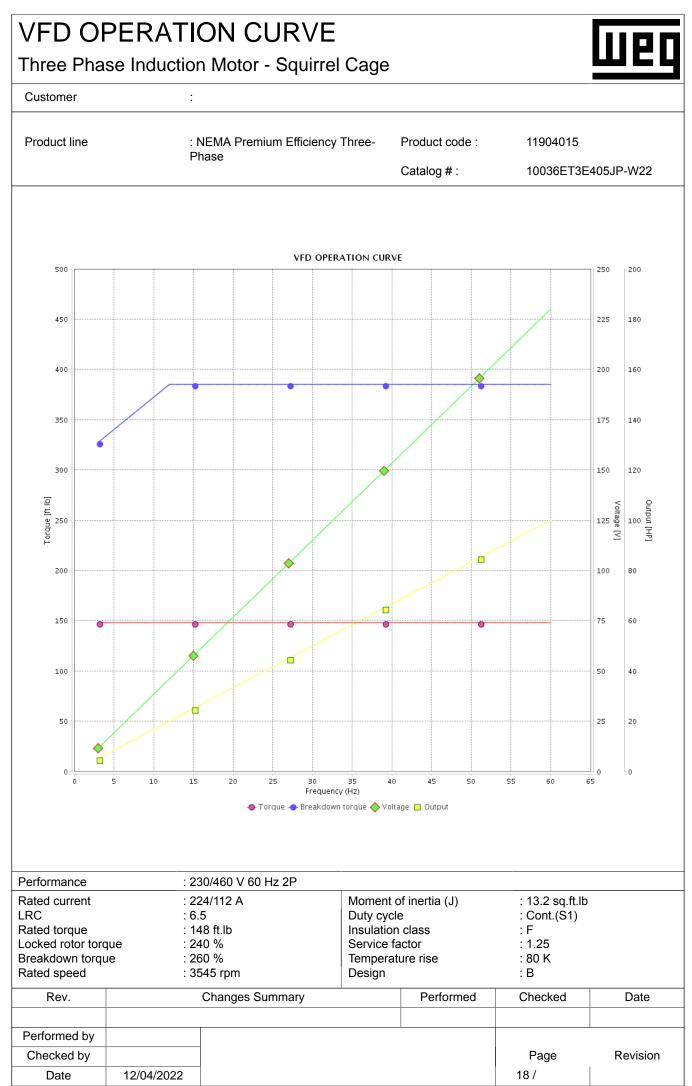
Rated speed	: 2	960 rpm	Design		: B	
Heating constan	t					
Cooling constan	t					
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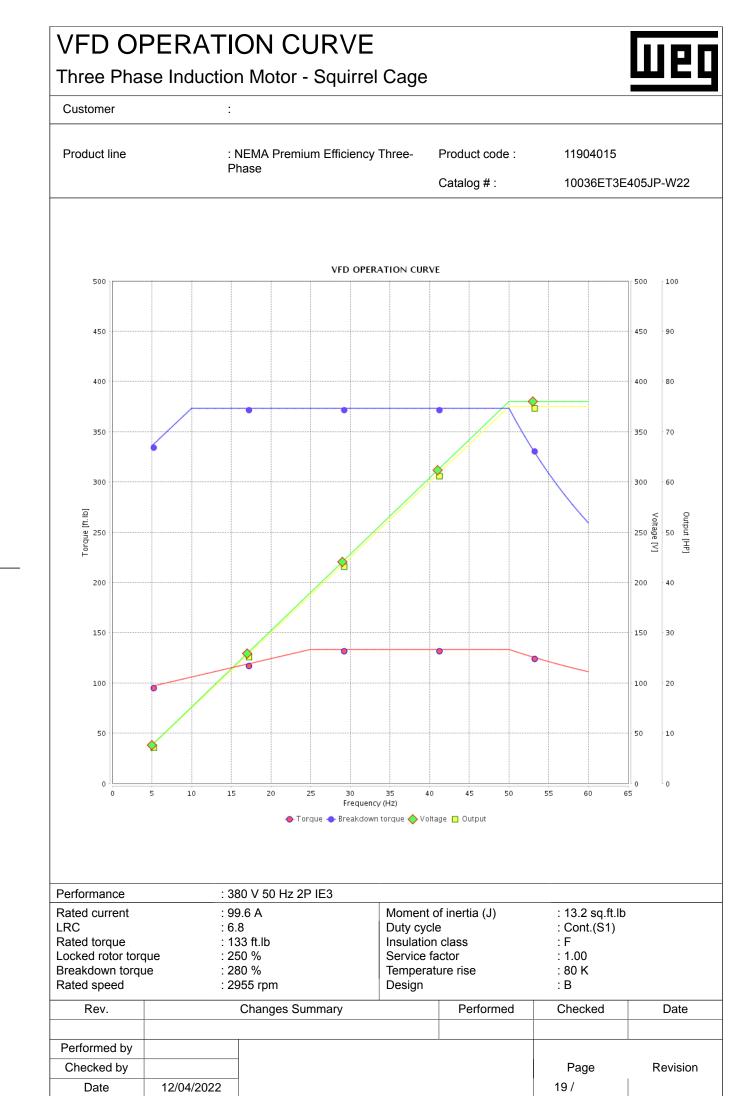


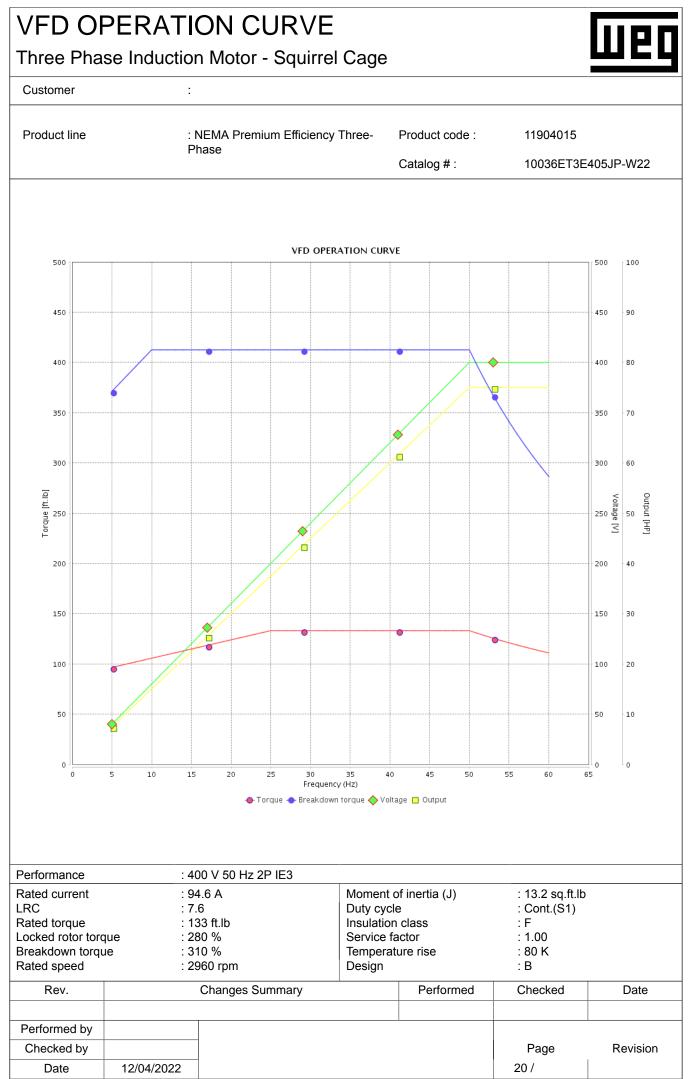
THERMAL	LIMIT CURVE		lun n
Three Phase Ind	luction Motor - Squirrel C	Cage	Шед
Customer	:		
Product line	: NEMA Premium Efficiency Th Phase	ree- Product code : Catalog # :	11904015 10036ET3E405JP-W22
Performance	: 415 V 50 Hz 2P IE3		
Rated current LRC	: 8.2	Moment of inertia (J) Duty cycle	: 13.2 sq.ft.lb : Cont.(S1)
Rated torque Locked rotor torque	: 300 %	nsulation class Service factor	: F : 1.00
Breakdown torque Rated speed		lemperature rise Design	: 80 K : B
Heating constant			

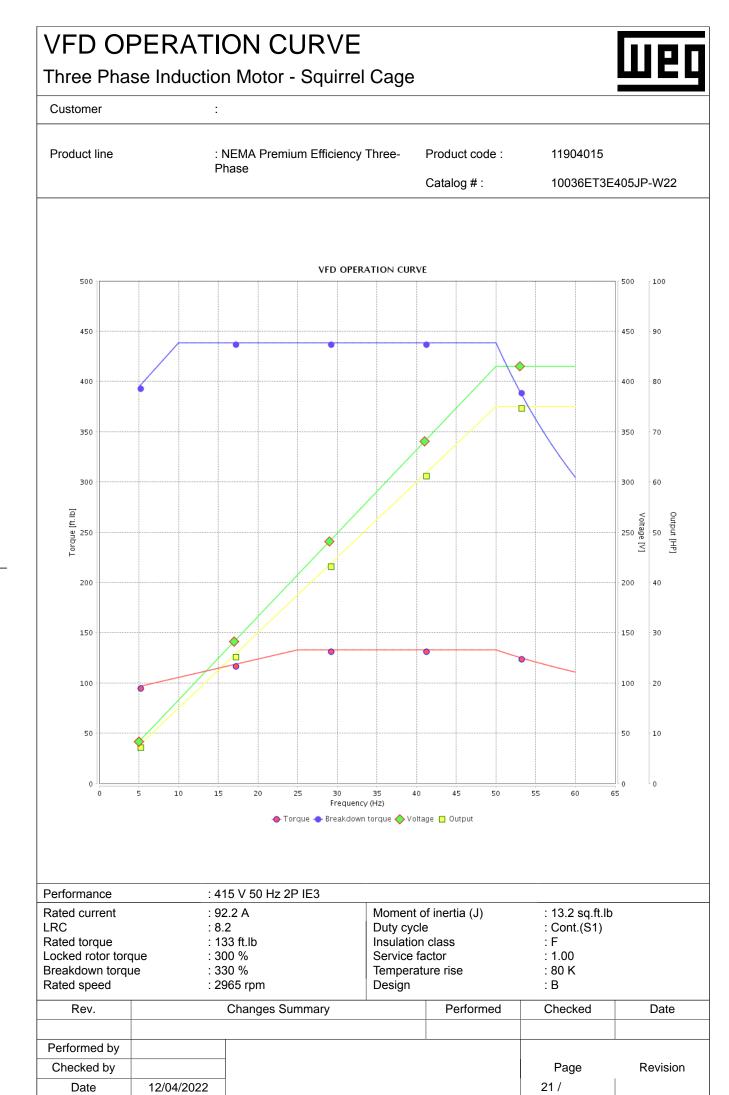
Rated speed	: 29	965 rpm	Design		: B	
Heating constant	t					
Cooling constant	t					
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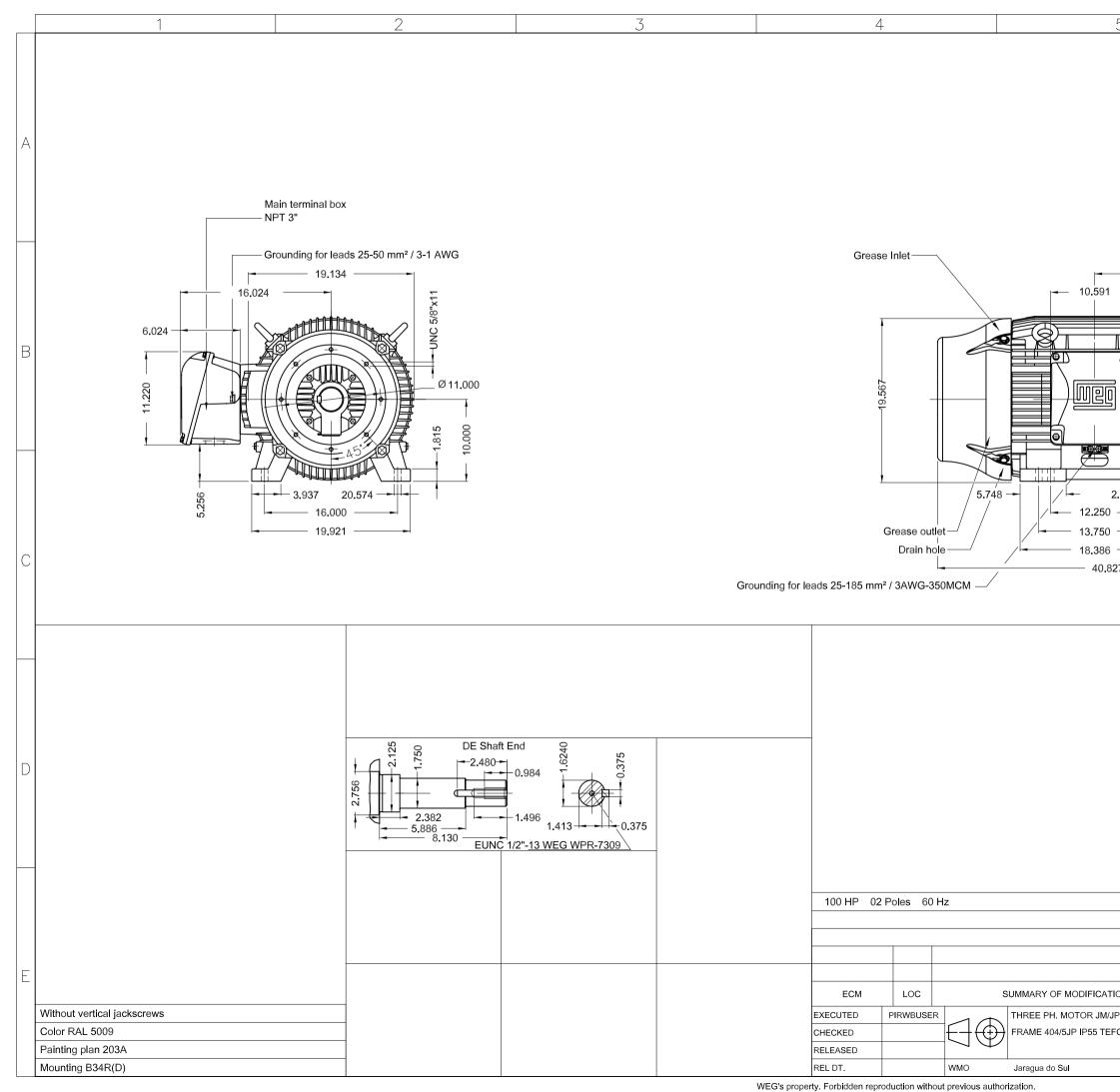












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A A A A Drain hole 27 A A A A A A A A A A A A A	— 13.504 ——•	1 / Grea	ase Inlet				
IONS EXECUTED CHECKED RELEASED DATE VER IP/JET PUMP W22 PREM. EFF. FC WDD		0.248	Srease outlet				
IONS EXECUTED CHECKED RELEASED DATE VER IP/JET PUMP W22 PREM. EFF. FC WDD							Dimensions in inches
					DATE		
	FC		WDD		ШР	9	

	CCO29A USUILLI Inverter Duty Motor Severe Duty	CUUS LISTED FOR SAFE AREA WOD.TE1BF0X0N	For 60Hz: Class I, Div 2, Gr. A, B, C and D - T3 Class I, Zone 2, IIC - T3 Class II, Div 2, Gr. F and G - T4 For 60Hz use on PVM, Gr. A, B, C, D and F, VT 1000:1, CT 20:1, 1.0SF, T3A
MODEL 10036ET3E405JP-W22 MADE IN BRAZIL 11904015	PH 3 FR 404/5JP HP(kW) 100 V 230/460 A 224/112	SFA 267	$\begin{array}{c c c c c c c c c c c c c c c c c c c $