DATA SHEET

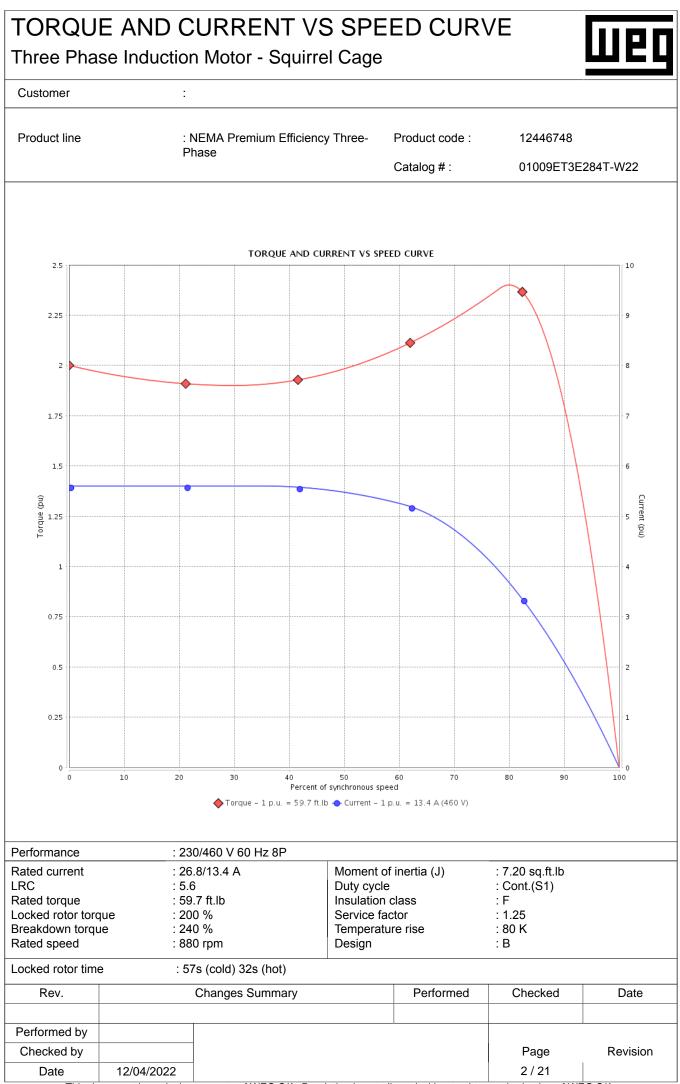
Three Phase Induction Motor - Squirrel Cage

:



Customer

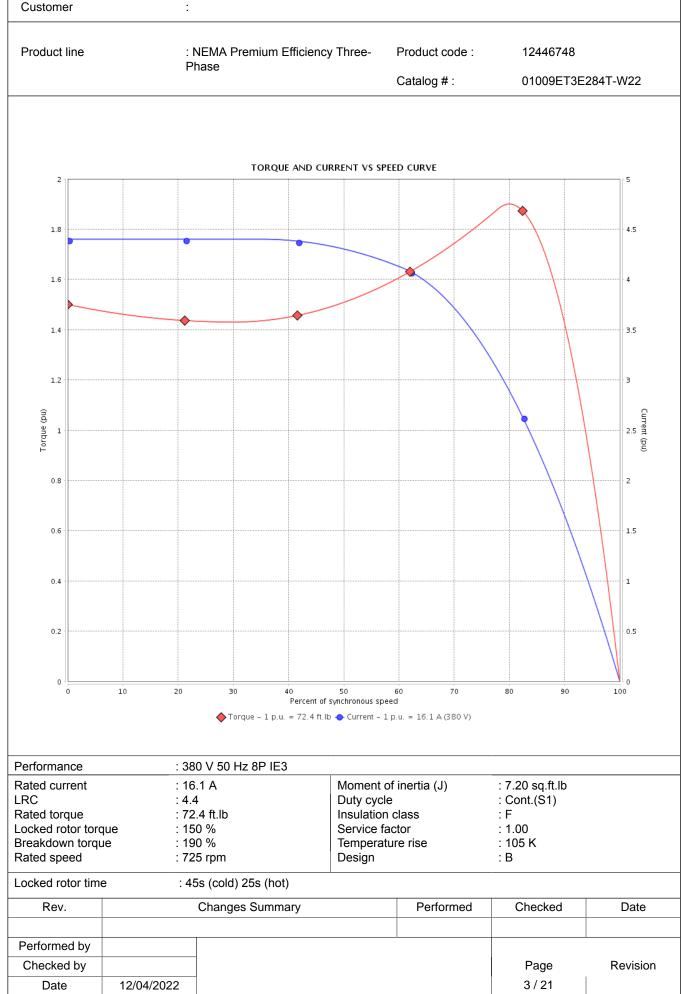
Product line		: NEMA Premium Effi Phase	ciency T	hree- Pro	duct code :	124467	748
		Flidse		Cat	alog # :	01009E	ET3E284T-W22
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 284/6T : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 363 lb : 7.20 sq.ft.lb	
Output [HP]		10		10	1(n 🗆	10
Poles		8		8	8	-	8
Frequency [Hz]		60		50	50	0	50
Rated voltage [V]		230/460	1	380	40		415
Rated current [A]		26.8/13.4		16.1	15	.3	15.1
. R. Amperes [A]		150/75.0		70.8	75		78.5
_RC [A]		5.6x(Code G)	4.4	4x(Code E)	4.9x(Co	ode F)	5.2x(Code G)
No load current [A		13.0/6.50		6.40	6.9	90	7.35
Rated speed [RPN		880		725	72		730
Slip [%]		2.22		3.33	3.3	33	2.67
Rated torque [ft.lb]		59.7		72.4	72		71.9
Locked rotor torque [%]		200		150 190	17		190
Breakdown torque [%]		240	240		21	0	229
Service factor		1.25			1.1		1.15
Temperature rise			80 K		105		105 K
_ocked rotor time		57s (cold) 32s (hot)					45s (cold) 25s (hot)
Noise level ²		54.0 dB(A)	52.0 dB(A)		52.0 c	B(A)	52.0 dB(A)
	25%						
Efficiency (%)	50%	89.5		89.5	88		88.5
	75%	90.2	88.5		88		89.5
	100%	90.2		87.5	88	.5	88.5
_	25%						
Power Factor	50%	0.61		0.68	0.6		0.61
	75% 100%	0.72 0.78		0.77 0.81	0.7		0.72
100%0.780.810.80Drive end Bearing typeDrive end 6311 C3Non drive end 6211 C3Foundation loadsSealing:V'Ring 20000 hV'Ring 20000 hMax. traction: 540 lb Max. compressionLubricant amount:18 g11 g							
must be eliminate (1) Looking the m (2) Measured at 1	aces and car ed. lotor from the Im and with t	cel the previous one, w shaft end. olerance of +3dB(A).	hich				sts with sinusoidal stipulated in NEMA
(3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ocess.	t to changes after Changes Summary	,		Performed	Checked	d Date
Performed by				I			I
Checked by						Page	Revision
Date	12/04/2022	2				1/21	
		2					



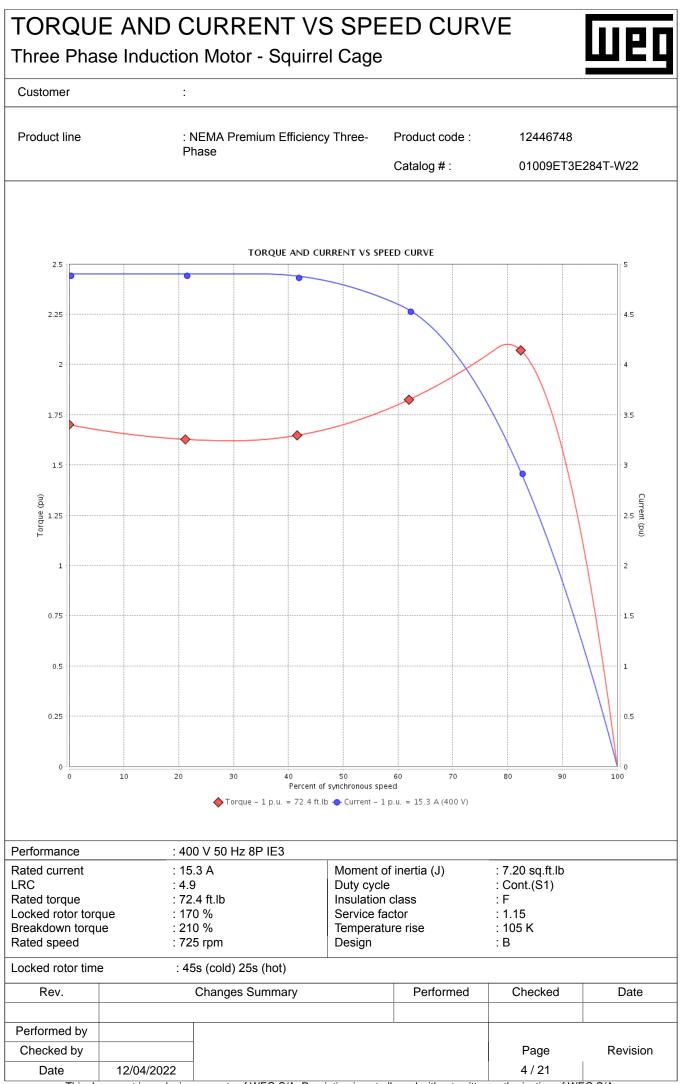
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



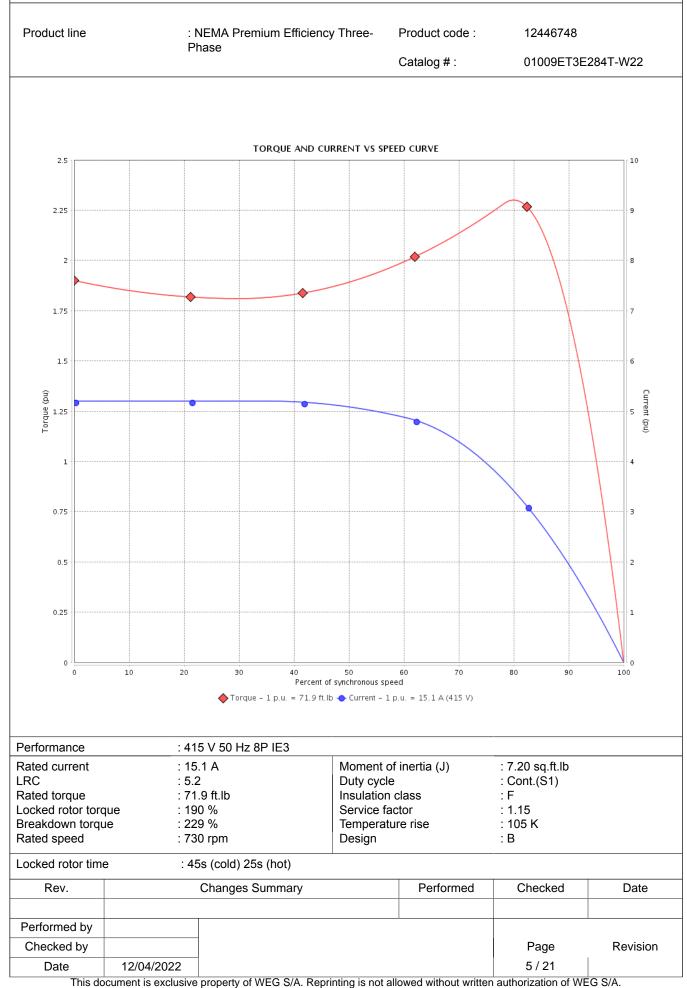
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

:





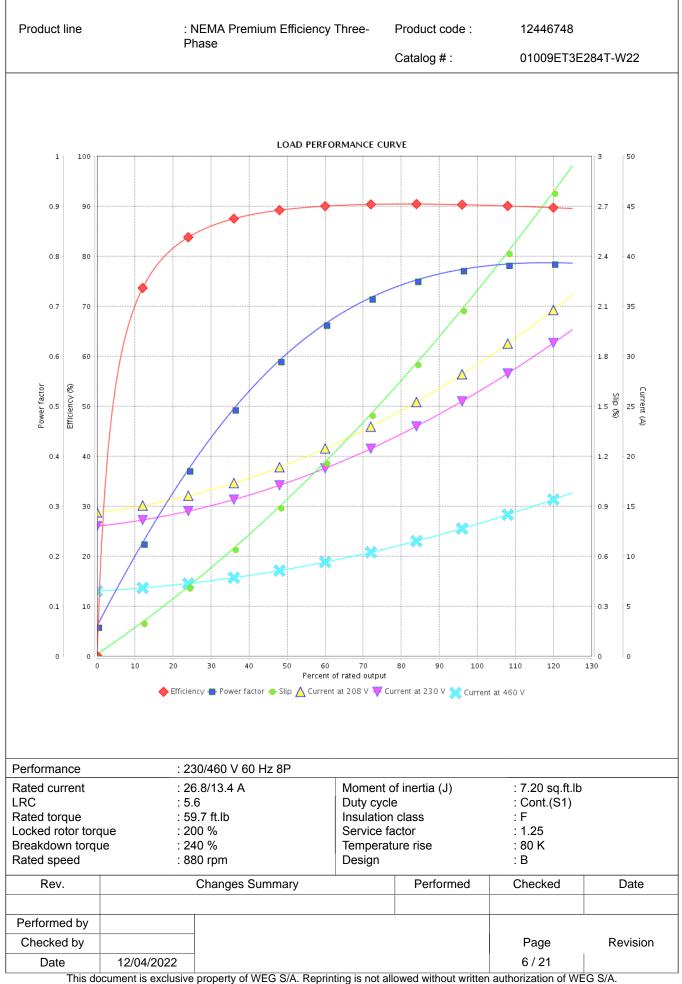


Three Phase Induction Motor - Squirrel Cage

:

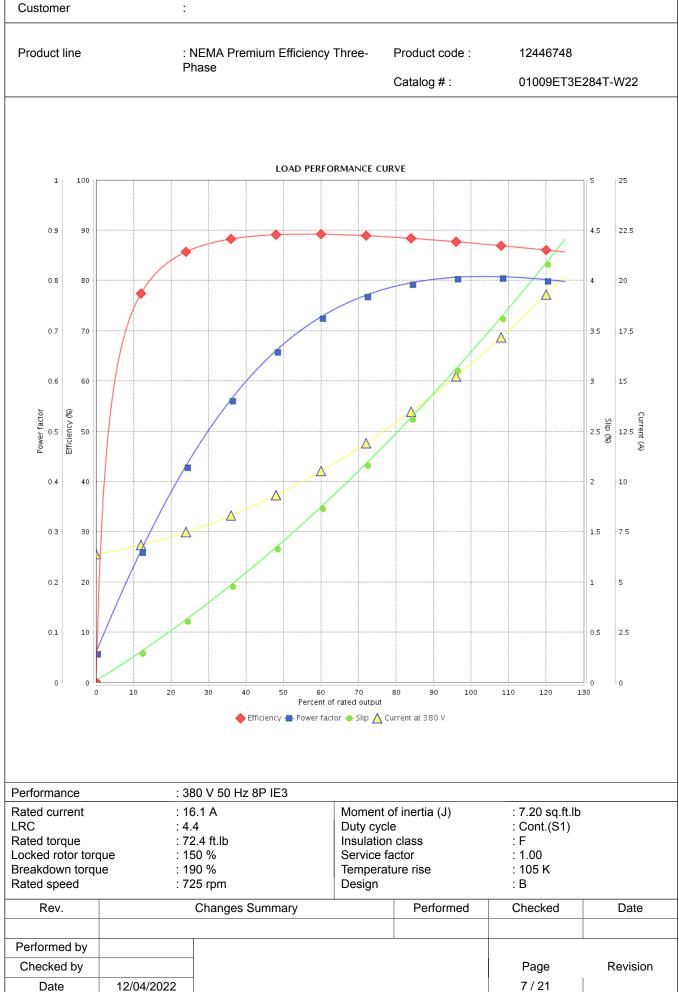


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



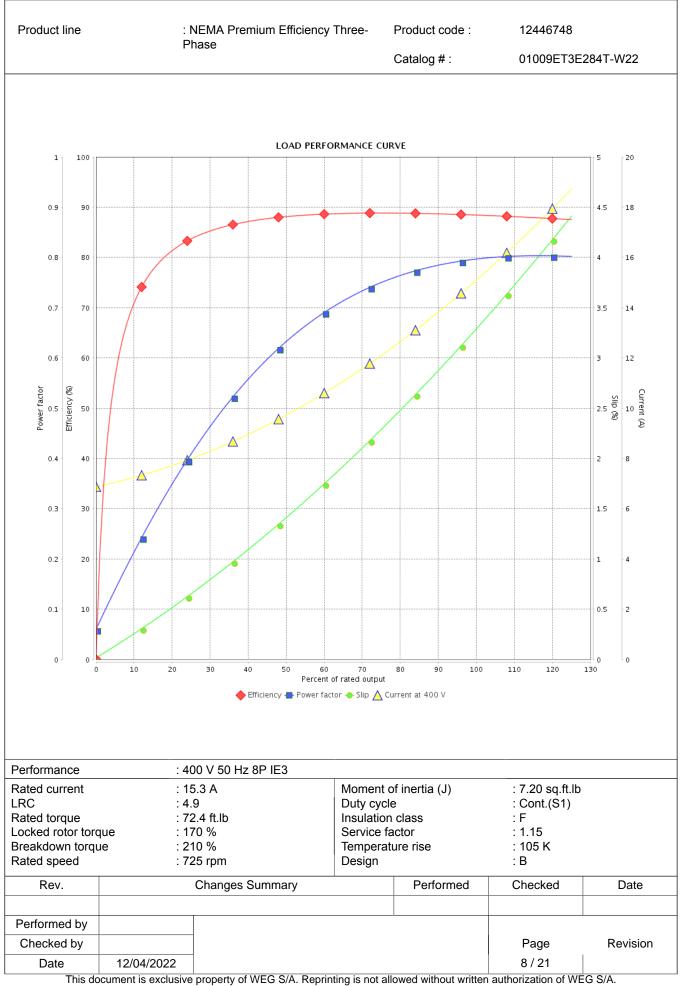
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

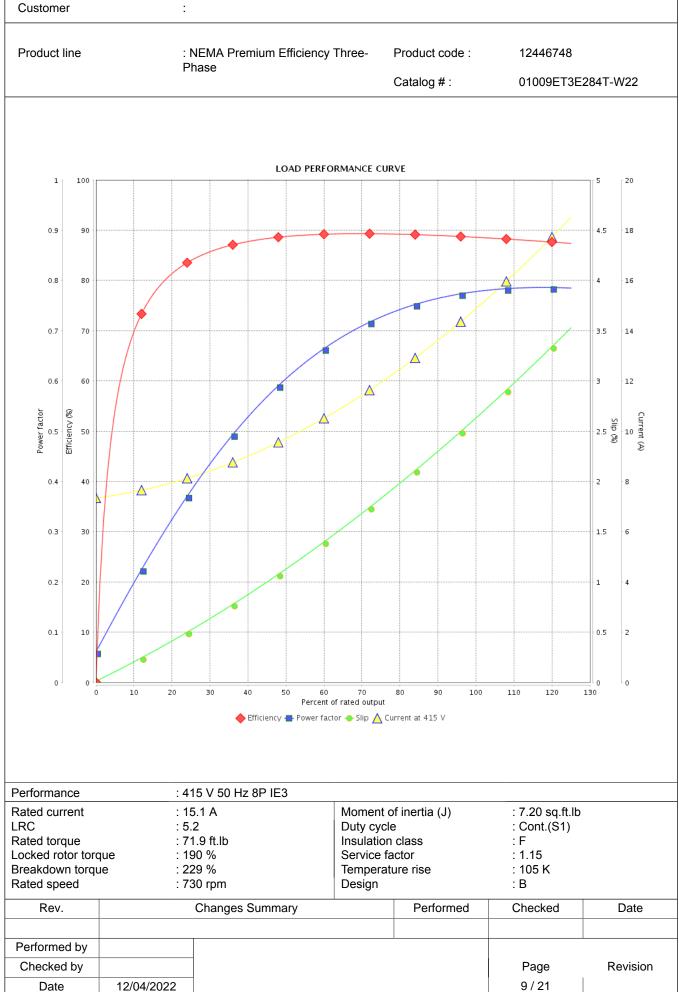


Customer



Three Phase Induction Motor - Squirrel Cage

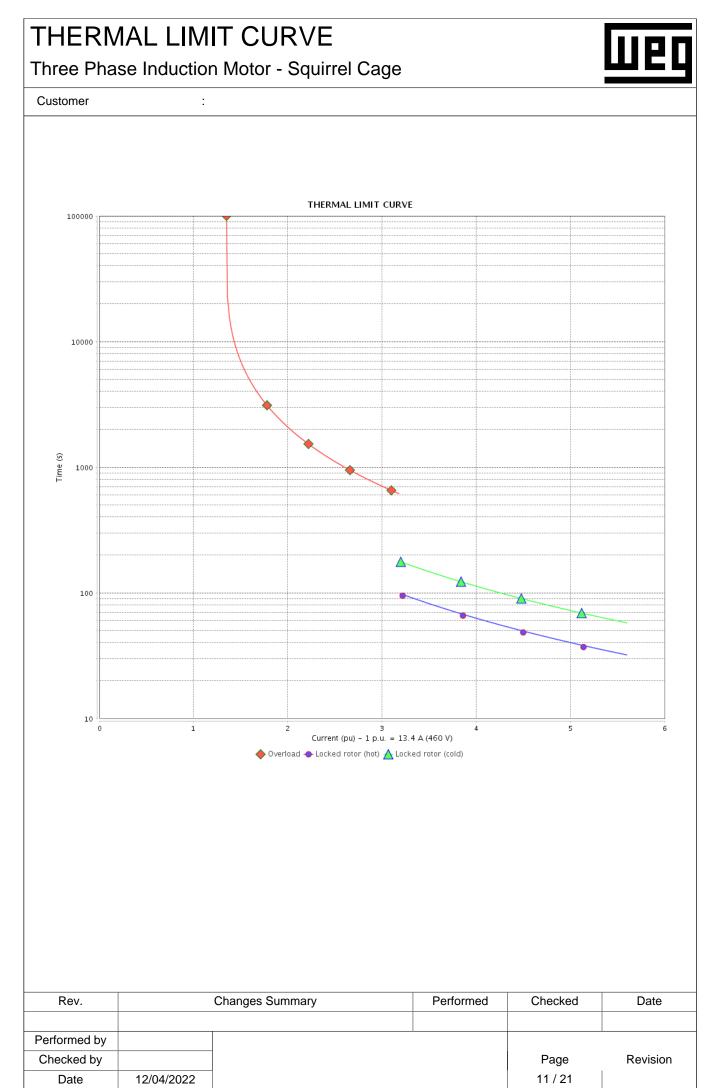
Customer



This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

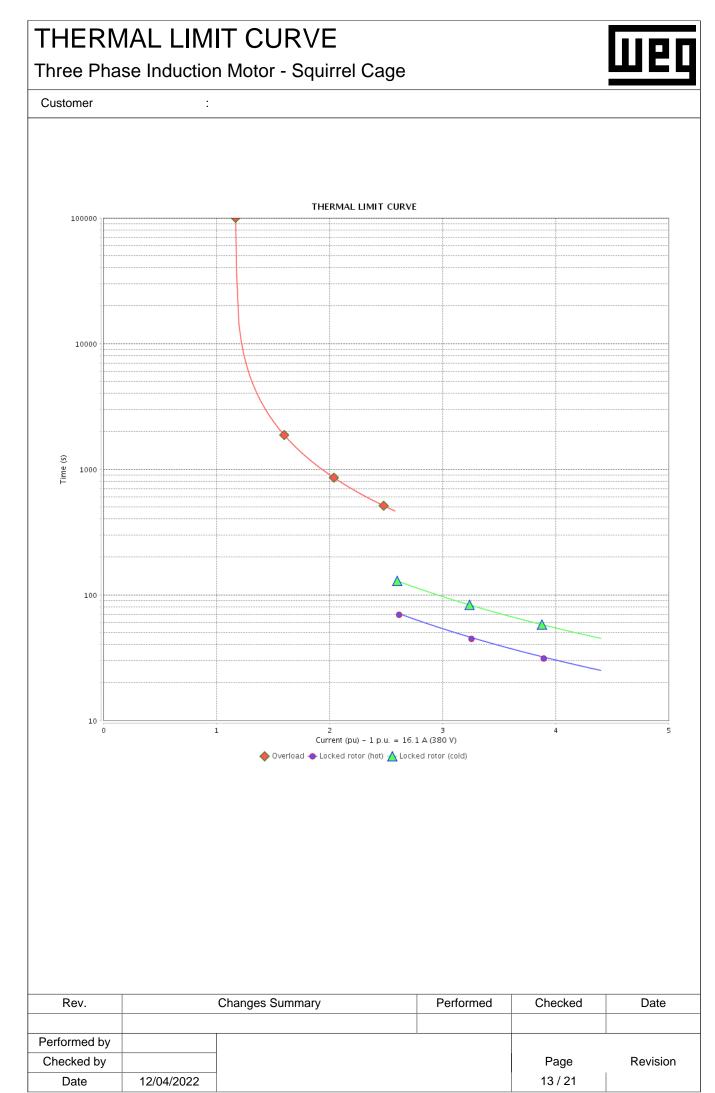
THERMAL L	IMIT CURVE		шед
Three Phase Induc	ction Motor - Squirrel Cage)	шсч
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12446748
	FlidSe	Catalog # :	01009ET3E284T-W22

Performance	: 4	230/460 V 60 Hz 8P				
Rated current: 26.8/13.4 ALRC: 5.6Rated torque: 59.7 ft.lbLocked rotor torque: 200 %Breakdown torque: 240 %Rated speed: 880 rpm		Moment of inertia (J): 7.20 sq.ft.lbDuty cycle: Cont.(S1)Insulation class: FService factor: 1.25Temperature rise: 80 KDesign: B				
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				10 / 21	



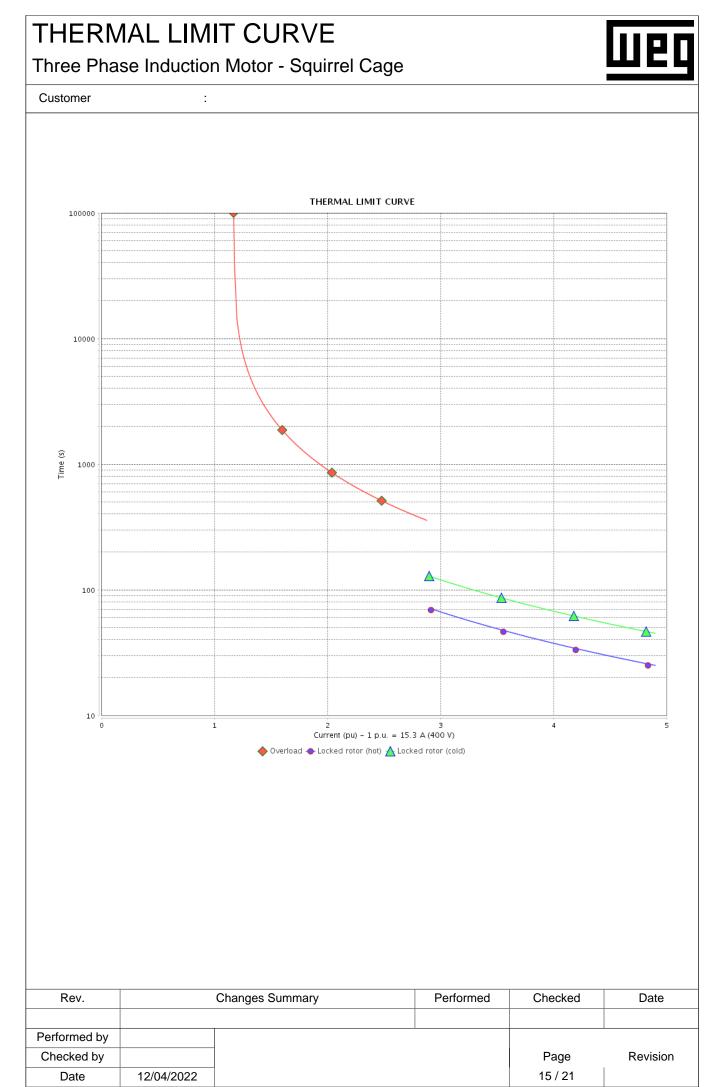
	LIMIT CURVE duction Motor - Squirrel Cage	9	Шер
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12446748
		Catalog # :	01009ET3E284T-W22

Performance	:	380 V 50 Hz 8P IE3				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	jue :	16.1 A 4.4 72.4 ft.lb 150 % 190 % 725 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 7.20 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constant						
Rev.				Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				12/21	
This do	cument is exclusi	ve property of WEG S/A. Repri	nting is not allo	owed without written	authorization of WE	G S/A.



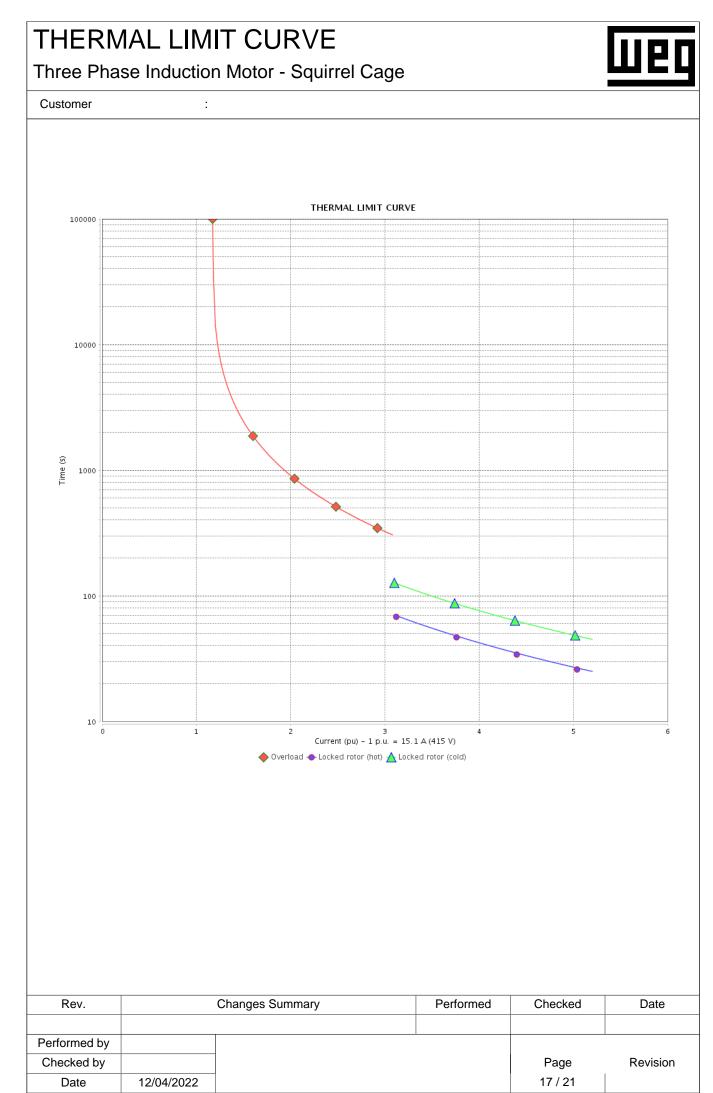
	LIMIT CURVE duction Motor - Squirrel Cage	9	Шер
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12446748
		Catalog # :	01009ET3E284T-W22

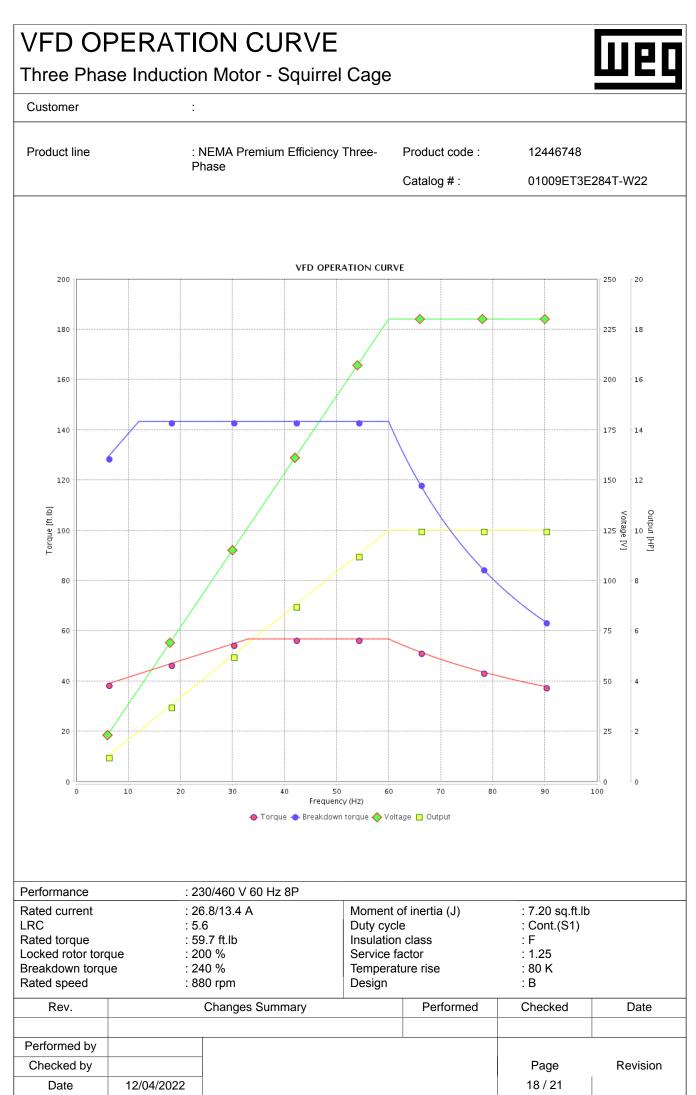
Performance	:	400 V 50 Hz 8P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	jue :	15.3 A 4.9 72.4 ft.lb 170 % 210 % 725 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 7.20 sq.ft.lb : Cont.(S1) : F : 1.15 : 105 K : B	
Heating constant	t					
Cooling constant						
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				14/21	
This do	cument is exclusi	ve property of WEG S/A. Reprin	ting is not allo	wed without written	authorization of WE	G S/A.

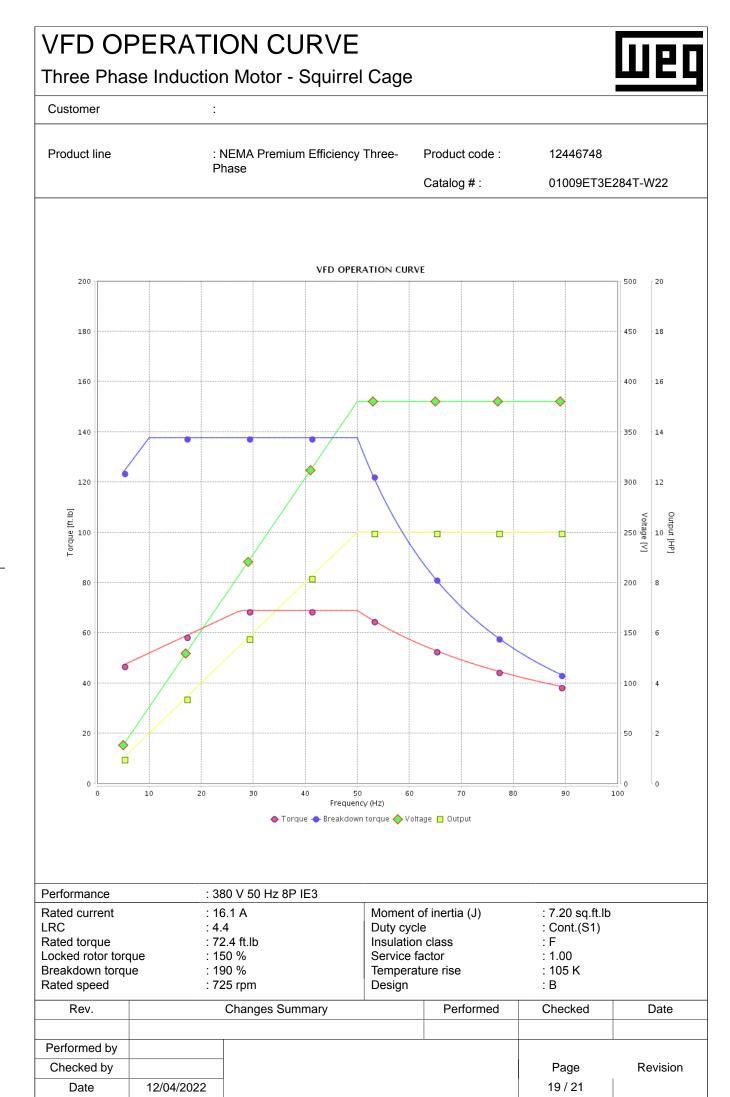


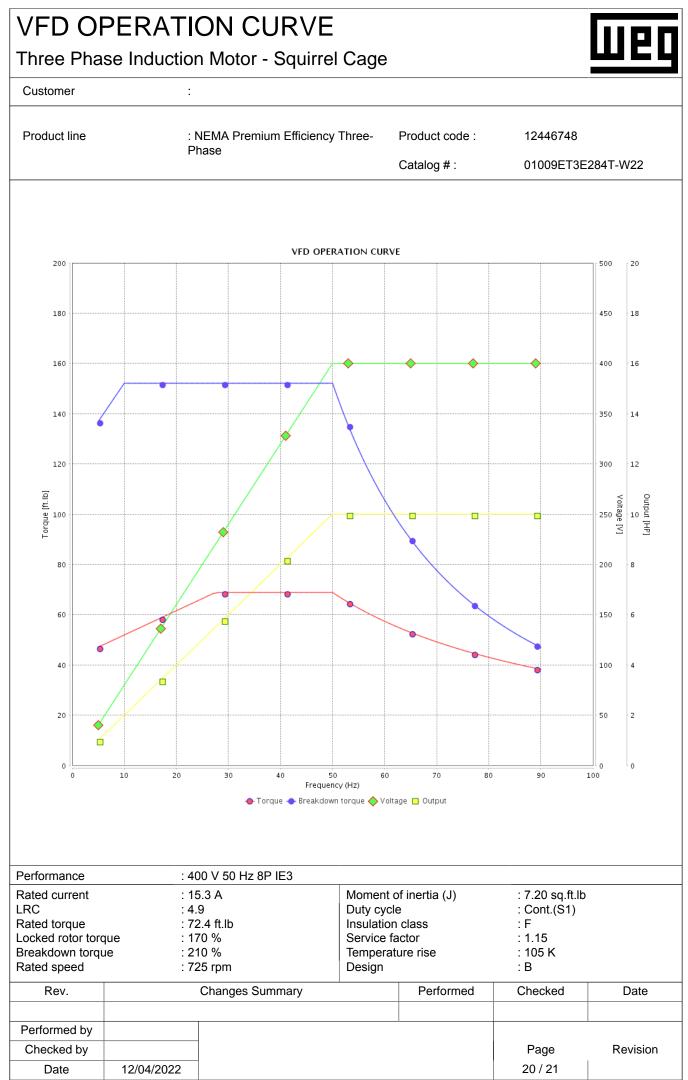
	LIMIT CURVE	9	шер
Customer	:		
Product line	: NEMA Premium Efficiency Three-	Product code :	12446748
	Phase	Catalog # :	01009ET3E284T-W22

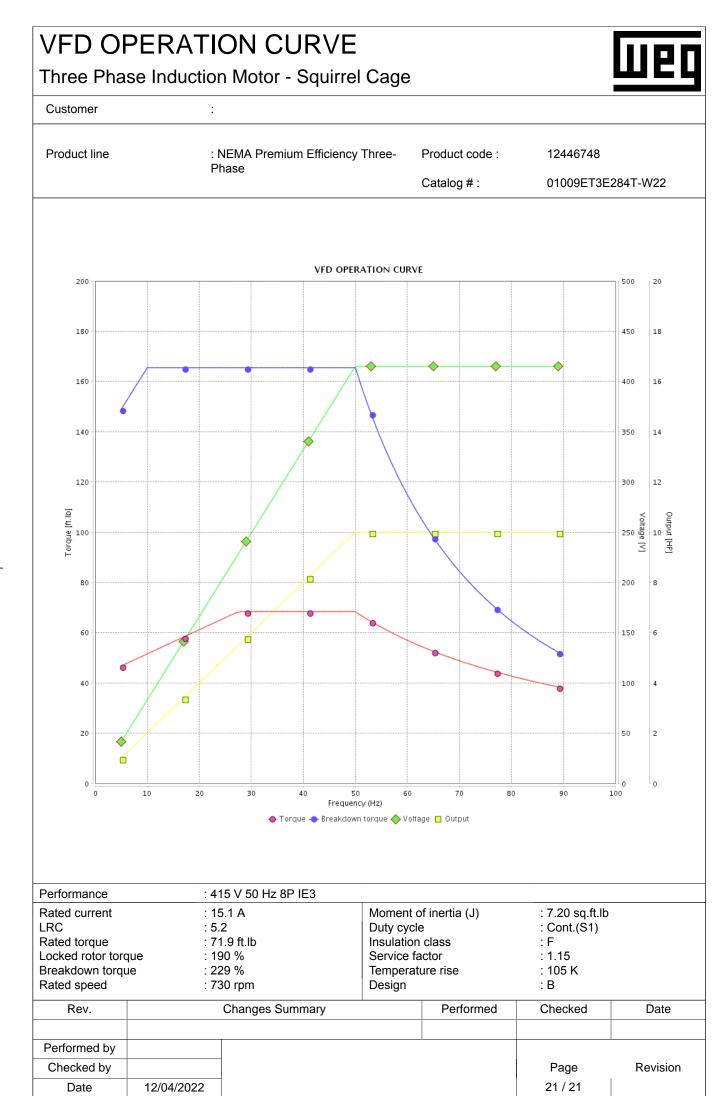
Performance	: 4	15 V 50 Hz 8P IE3				
Rated current: 15.1 ALRC: 5.2Rated torque: 71.9 ft.lbLocked rotor torque: 190 %Breakdown torque: 229 %Rated speed: 730 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 7.20 sq.ft.lb : Cont.(S1) : F : 1.15 : 105 K : B		
Heating constan	t					
Cooling constan	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	12/04/2022				16 / 21	

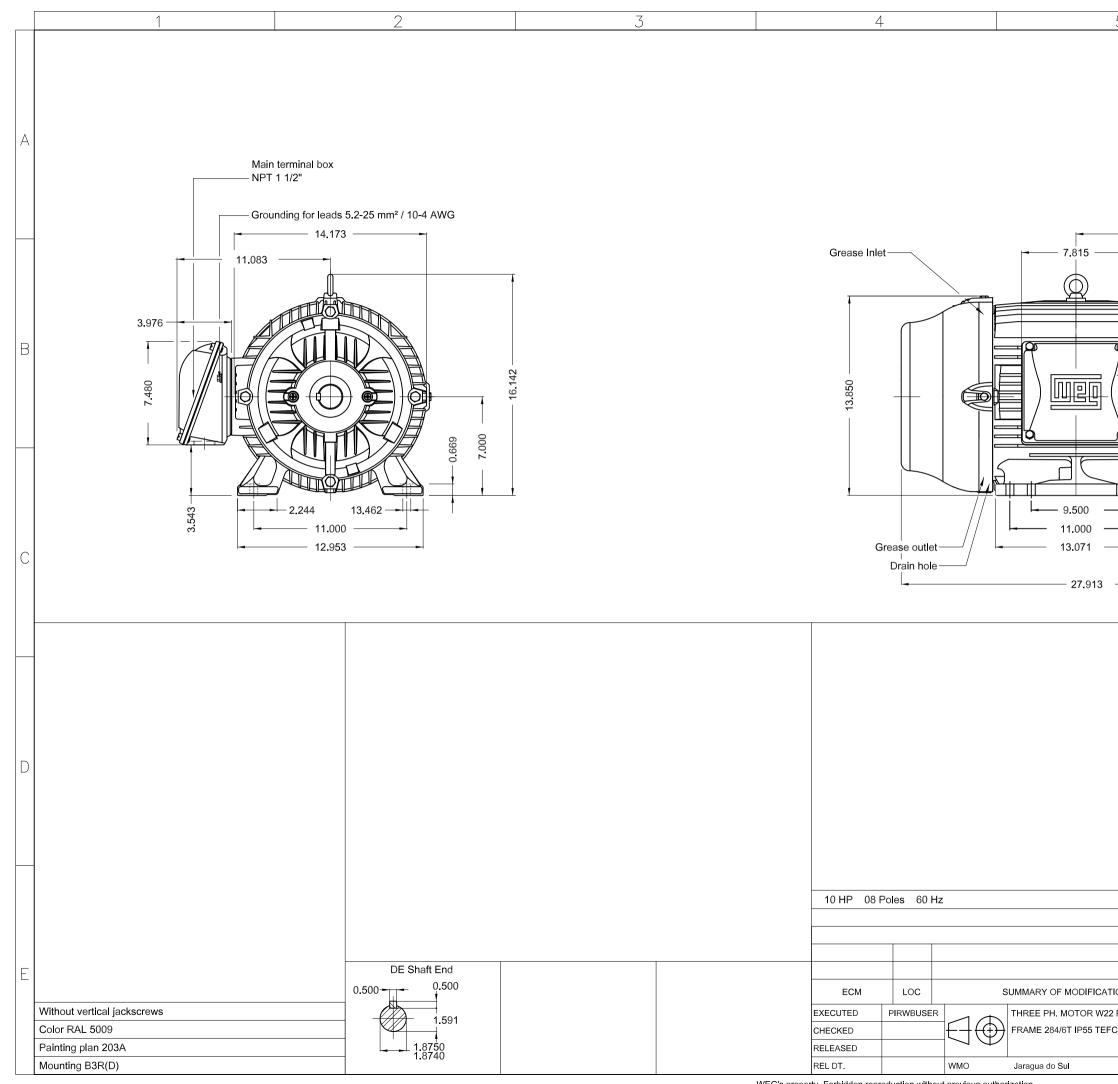












WEG's property. Forbidden reproduction without previous authorization.

5			6		
		0			
IONS	EXECUTED C	HECKED RE		A DATE VER	Dimensions in inches
IONS PREM. EFF.			V	DATE VER	
C Produc		/DD	/ 1	160	XME A3

