# DATA SHEET

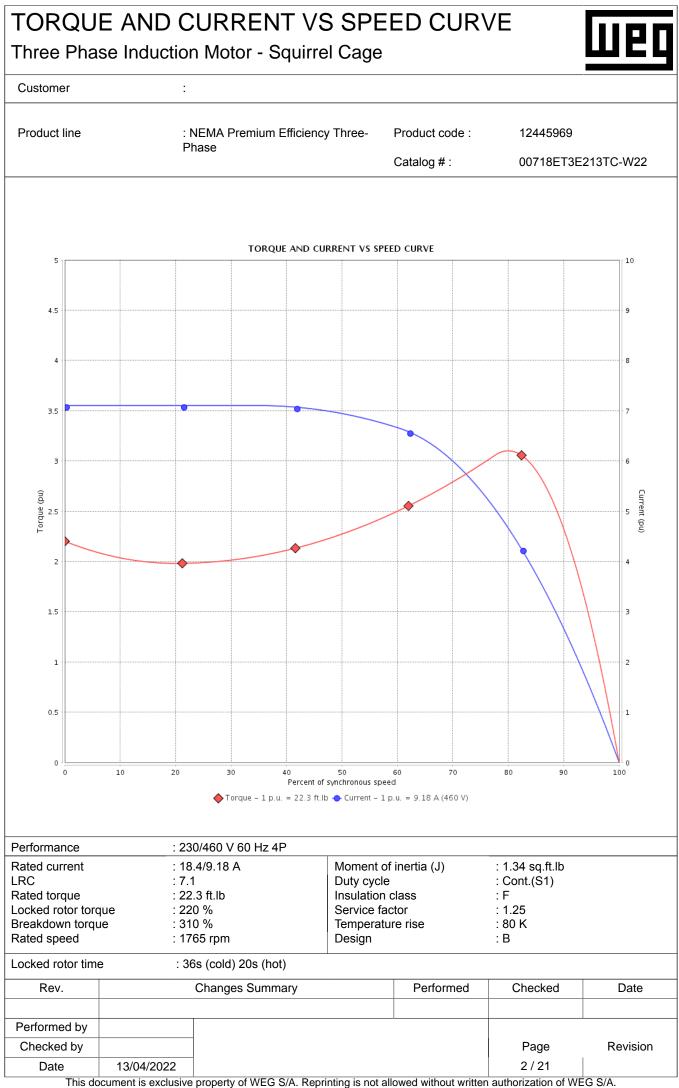
Three Phase Induction Motor - Squirrel Cage

:



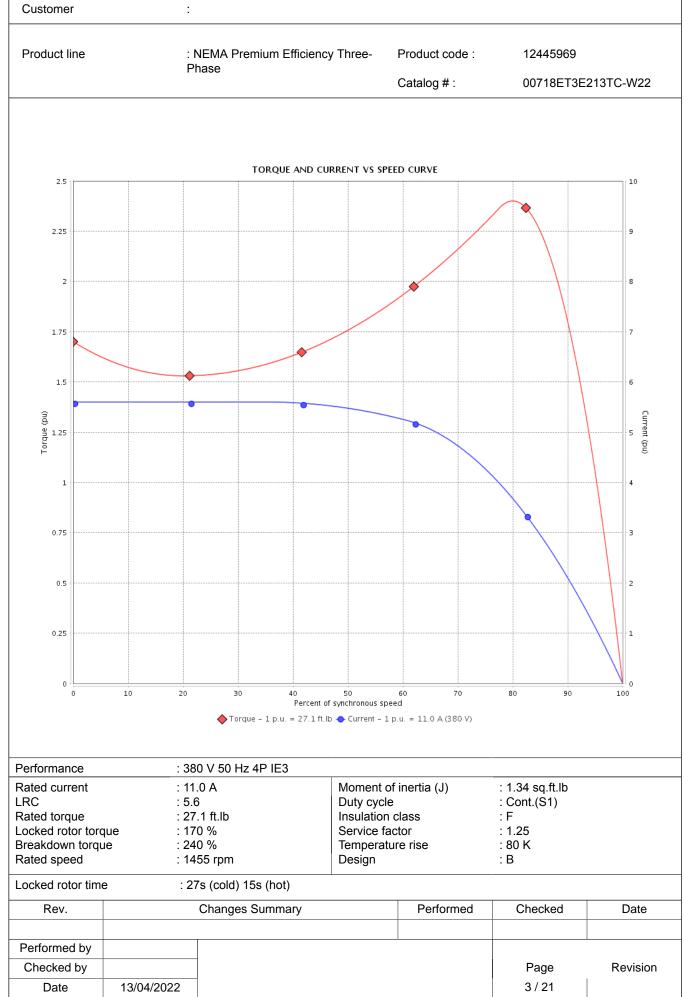
#### Customer

Product line		: NEMA Premium Effic	ciency T	hree- Pro	oduct code :	124459	69		
		Phase		Са	talog # :	00718E	T3E213TC-W22		
Frame Insulation class Duty cycle Ambient temperature Altitude Protection degree Design		: 213/5TC : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling method Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup> Moment of inertia (J)		: IC411 - TEFC : F-1 : Both (CW and CCW) : Direct On Line : 169 lb : 1.34 sq.ft.lb			
Output [HP]		7.5		7.5	7.	5	7.5		
Poles		4		4	4	-	4		
Frequency [Hz]		60		50	5		50		
Rated voltage [V]		230/460		380	40		415		
Rated current [A]		18.4/9.18		11.0	10		10.3		
. R. Amperes [A]		130/65.2		61.6	65		69.0		
.RC [A]		7.1x(Code H)	54	6x(Code F)	6.2x(C		6.7x(Code H)		
No load current [A	1	8.80/4.40	5.0	4.00	4.3		4.55		
Rated speed [RPN		1765		4.00	4		4.55		
	//J	1.94		3.00	2.0		2.67		
Slip [%] Patad targua [ft lb]	1	22.3							
Rated torque [ft.lb]				27.1	27		27.0		
ocked rotor torqu		220		170	19		210		
Breakdown torque [%]			310		240 27 1.25 1.2		290		
Service factor			1.25		1.2		1.25		
Temperature rise		80 K			0 K 80		80 K		
ocked rotor time		36s (cold) 20s (hot)					27s (cold) 15s (hot)		
Noise level <sup>2</sup>		58.0 dB(A)	5	6.0 dB(A)	56.0 0		56.0 dB(A)		
	25%	88.6		89.2	89		89.2		
Efficiency (%)	50%	89.5		89.5	89		89.5		
	75%	91.0		89.5	90		90.2		
	100%	91.7		89.6	90		90.2		
Devuer Faster	25%	0.40		0.47	0.4	43	0.41		
	50%	0.66		0.72	0.0	69	0.66		
Power Factor	75%	0.76		0.81	0.7	78	0.76		
	100%	0.82		0.85	0.8	34	0.82		
Bearing type Sealing		: 6308 ZZ 62	6308 ZZ 6207 ZZ Max			Foundation loadsMax. traction: 357 lbMax. compression: 526 lb			
Lubrication interv	/al	: - V	-						
Lubricant amoun		: -	-						
Lubricant type		: Mobil Polyrex E	EM						
Notes USABLE @208V	19.9A SF 1.	15 SFA 22.9A		<u>.</u>					
must be eliminate (1) Looking the m (2) Measured at 1	ed. lotor from the Im and with t weight subjec ocess.	ncel the previous one, where shaft end. olerance of +3dB(A). ot to changes after	hich				ts with sinusoidal stipulated in NEMA		
Rev.		Changes Summary	,		Performed	Checked	Date		
Performed by									
Checked by						Page	Revision		
	40/04/005	0				-			
Date	13/04/202	2				1 / 21			

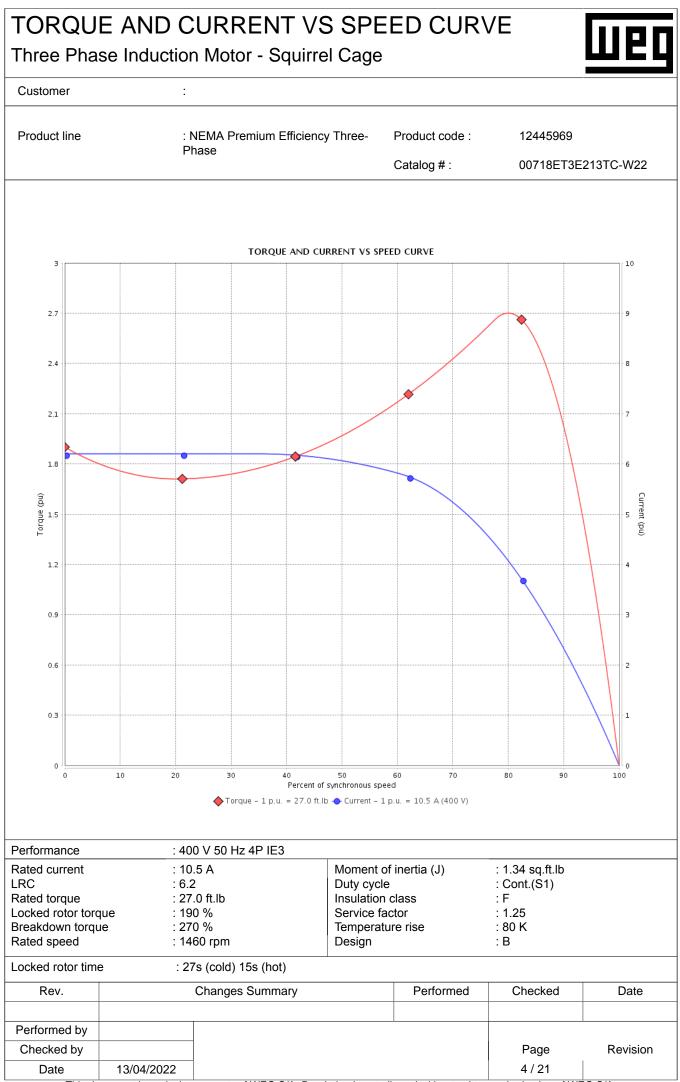


#### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



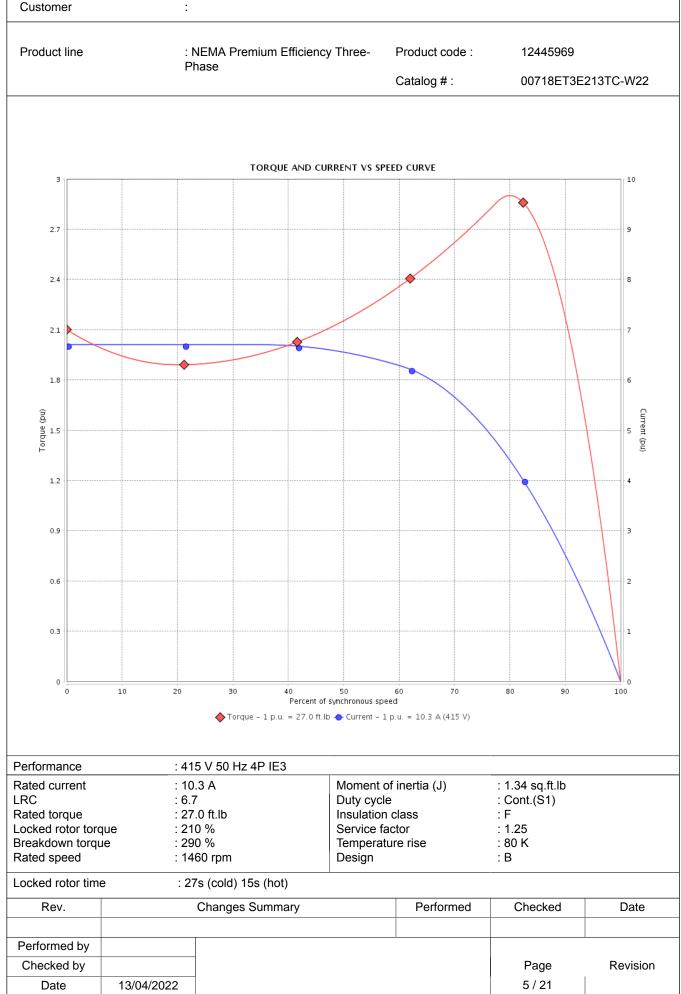
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



#### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





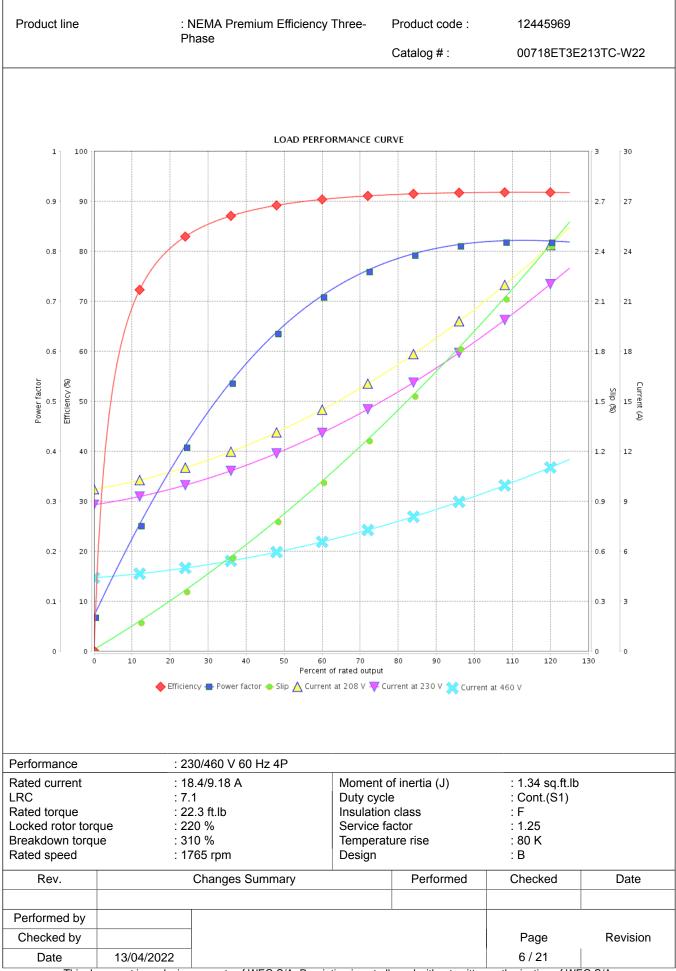
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

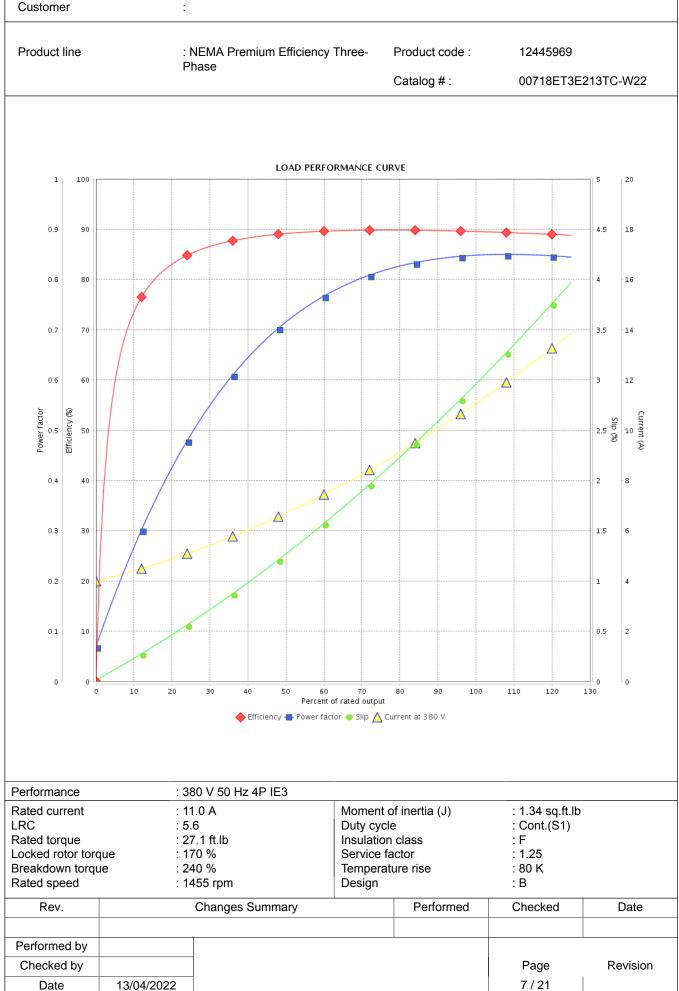


Customer



Three Phase Induction Motor - Squirrel Cage

#### Customer



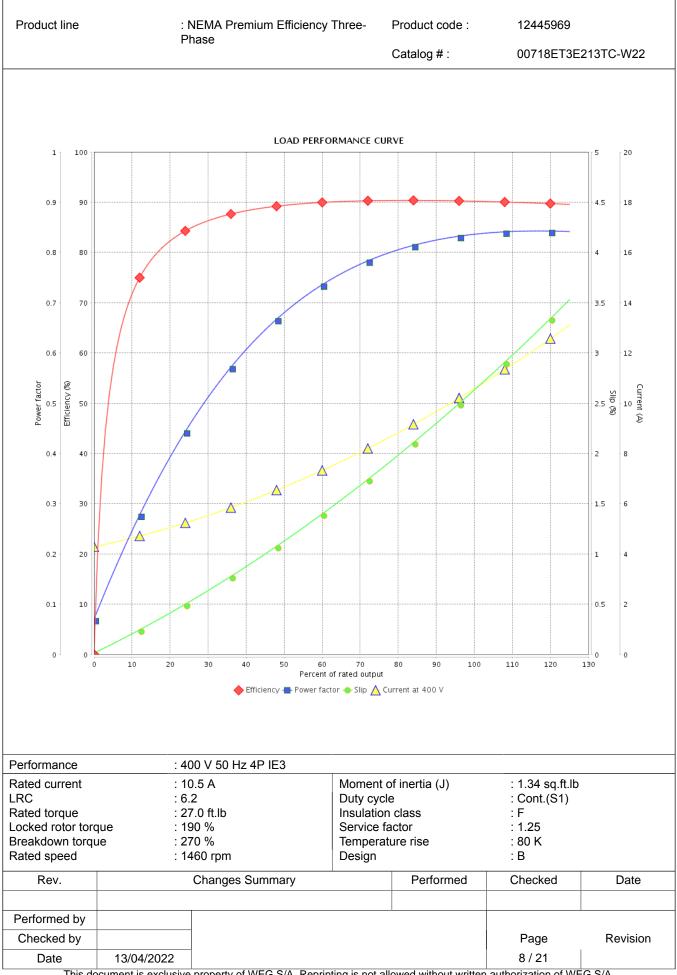
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

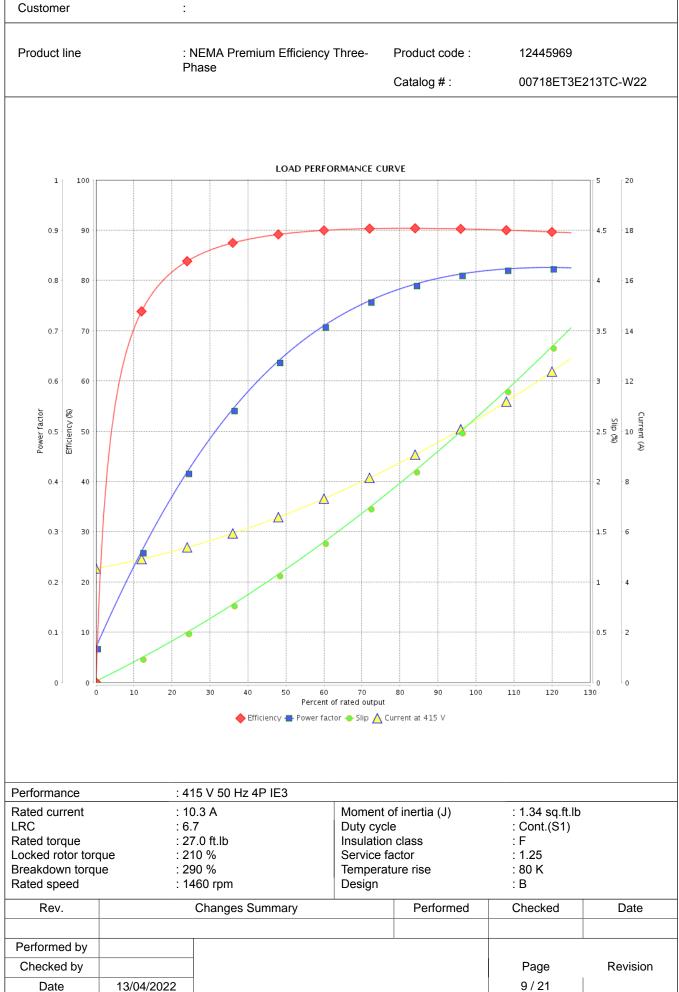


Customer



Three Phase Induction Motor - Squirrel Cage

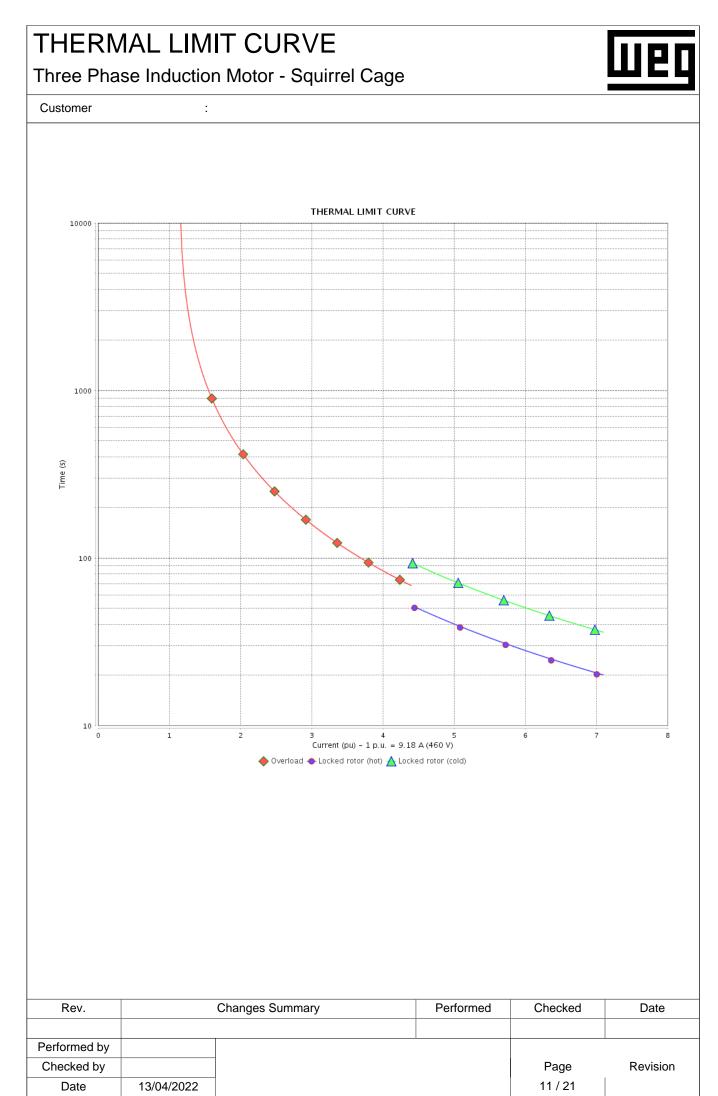
#### Customer



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

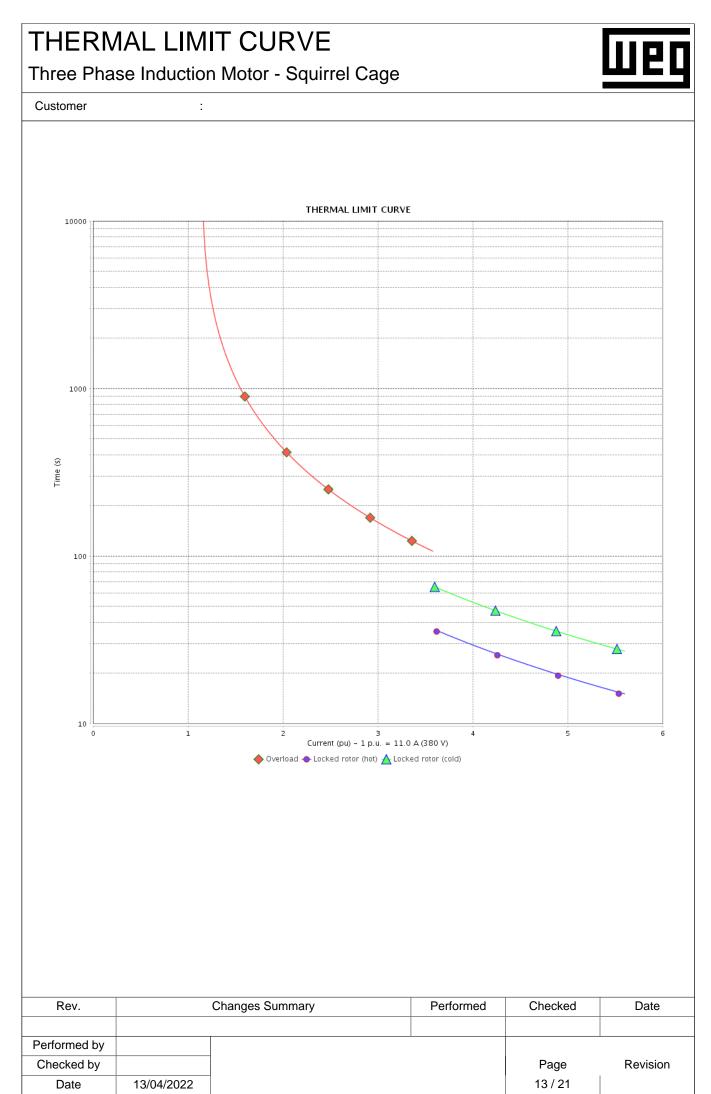
THERMAL LIMIT CURVE   Three Phase Induction Motor - Squirrel Cage						
Customer	:					
Product line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	12445969 00718ET3E213TC-W22			

Performance	: 2	: 230/460 V 60 Hz 4P				
Rated current: 18.4/9.18 ALRC: 7.1Rated torque: 22.3 ft.lbLocked rotor torque: 220 %Breakdown torque: 310 %Rated speed: 1765 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.34 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		_			Page	Revision
Date	13/04/2022				10/21	



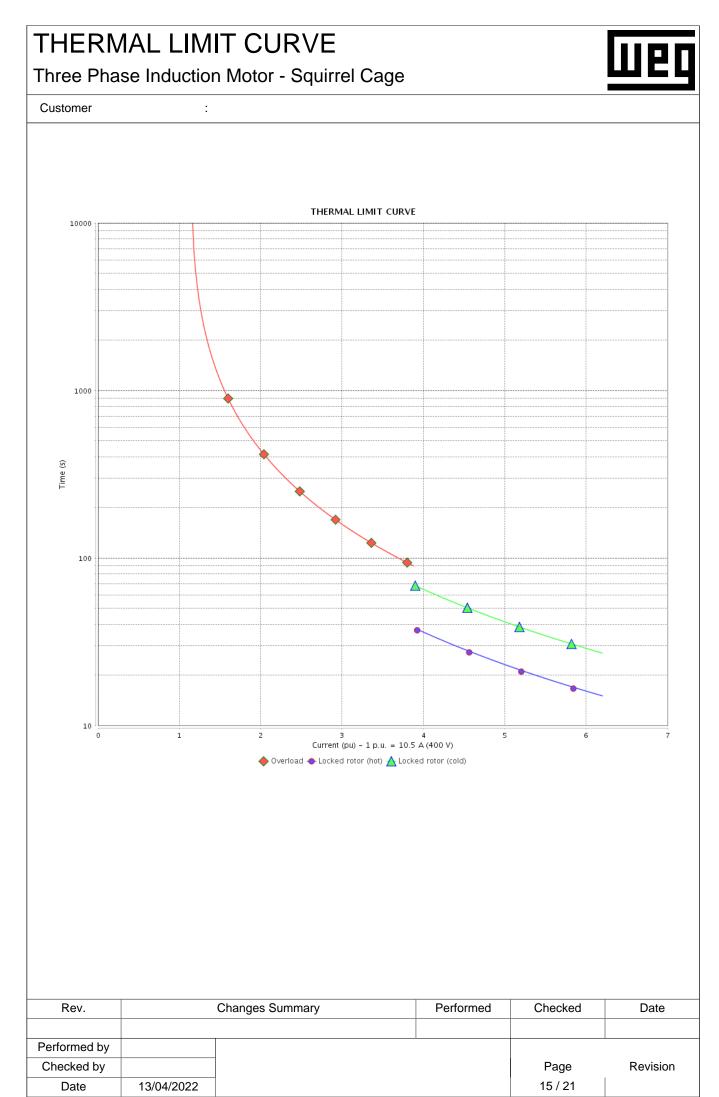
			Ше
Customer	nduction Motor - Squirrel Cage	<u>}</u>	
Product line	: NEMA Premium Efficiency Three-	Product code :	12445969
	Phase	Catalog # :	00718ET3E213TC-W22
erformance	: 380 V 50 Hz 4P IE3		

Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	RC: 5.6Duty cycleated torque: 27.1 ft.lbInsulation classcked rotor torque: 170 %Service factoreakdown torque: 240 %Temperature rise		class ctor	: 1.34 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B		
Heating constant	İ.					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				12/21	



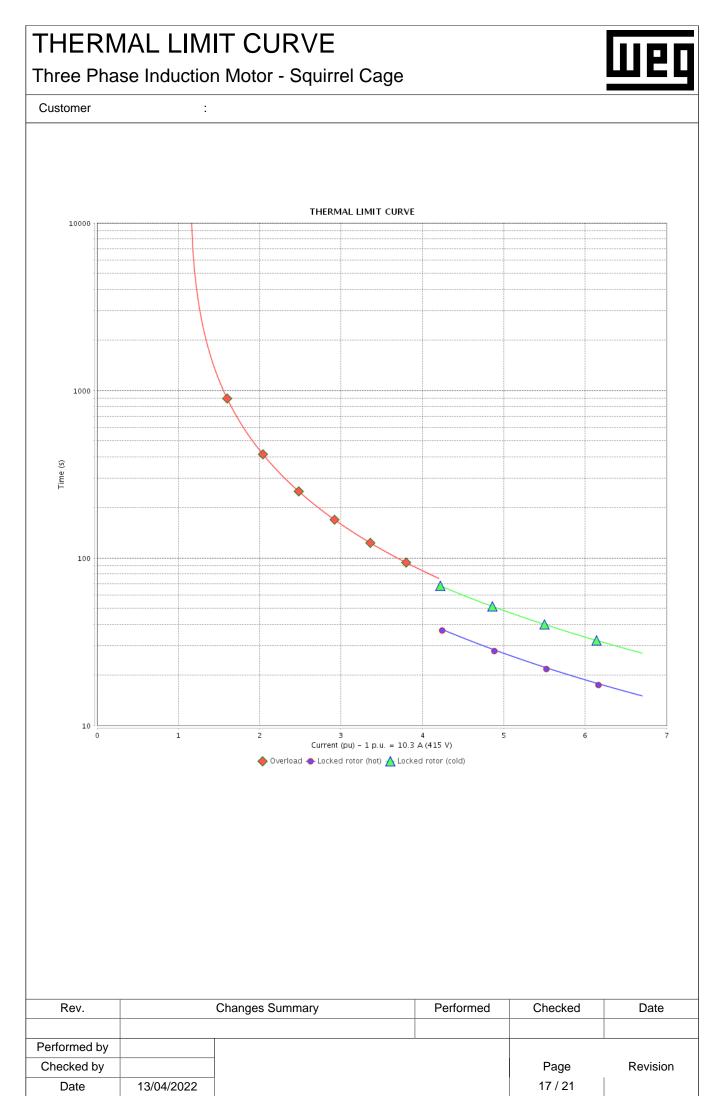
ustomer	:		
roduct line	: NEMA Premium Efficiency Three- Phase	Product code :	12445969
		Catalog # :	00718ET3E213TC-W22

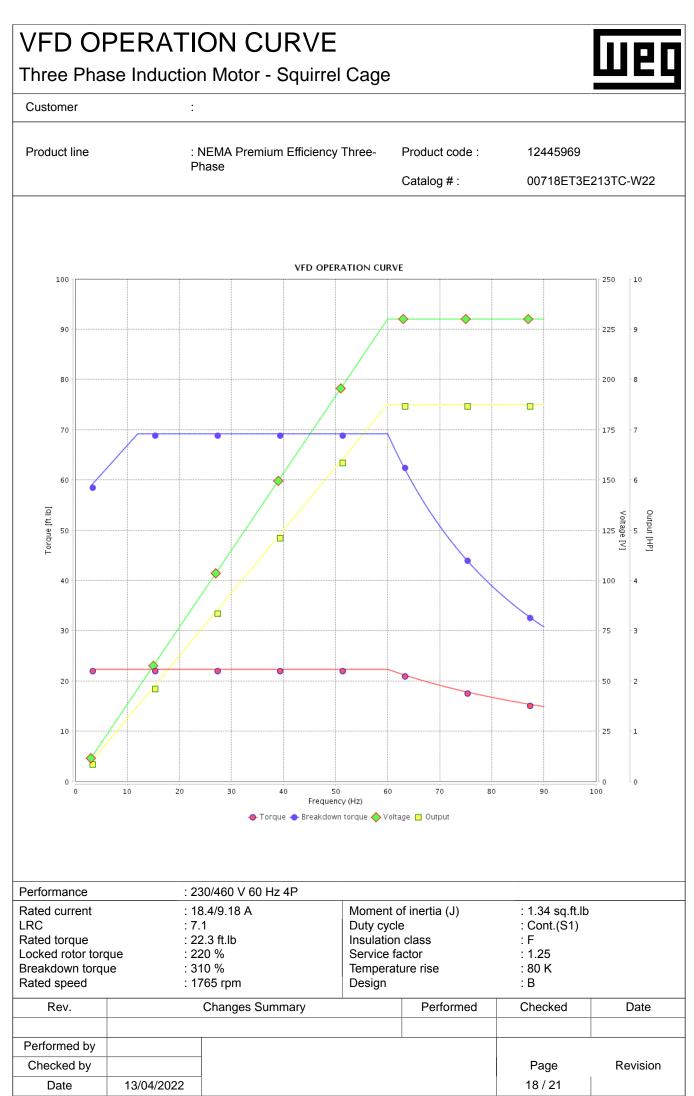
Performance	:	: 400 V 50 Hz 4P IE3					
Rated current: 10.5 ALRC: 6.2Rated torque: 27.0 ft.lbLocked rotor torque: 190 %Breakdown torque: 270 %Rated speed: 1460 rpm		Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.34 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B			
Heating constant Cooling constant			Design		. D		
Rev.		Changes Summary		Performed	Checked	Date	
Performed by							
Checked by					Page	Revision	
Date	13/04/2022				14 / 21		

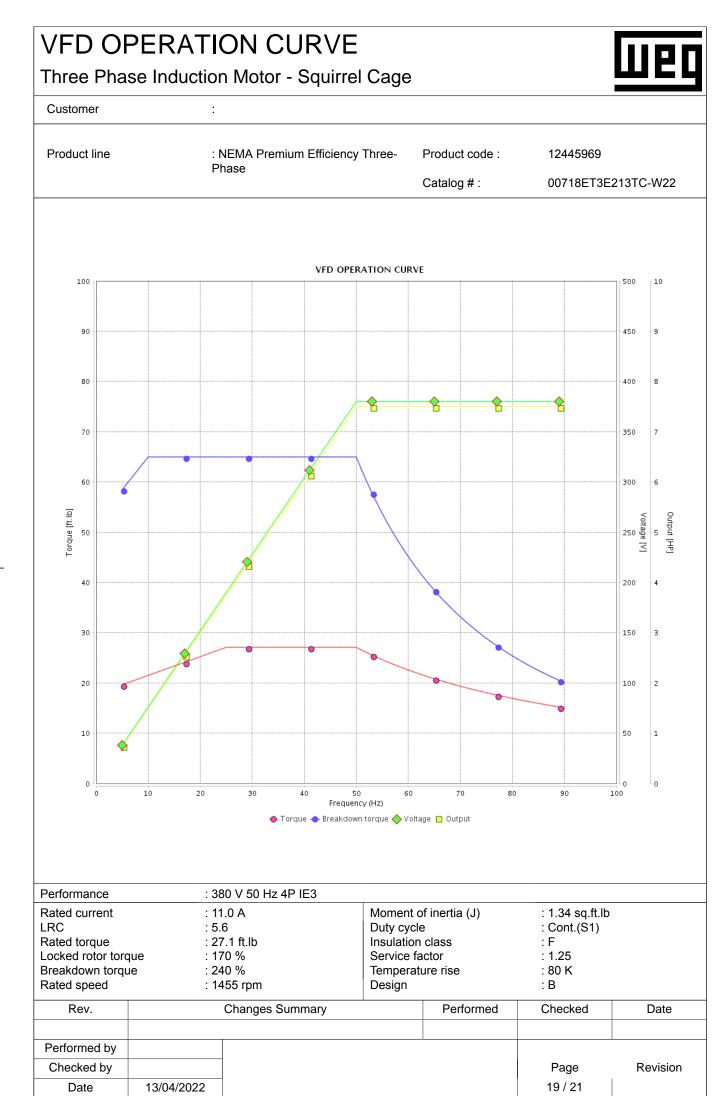


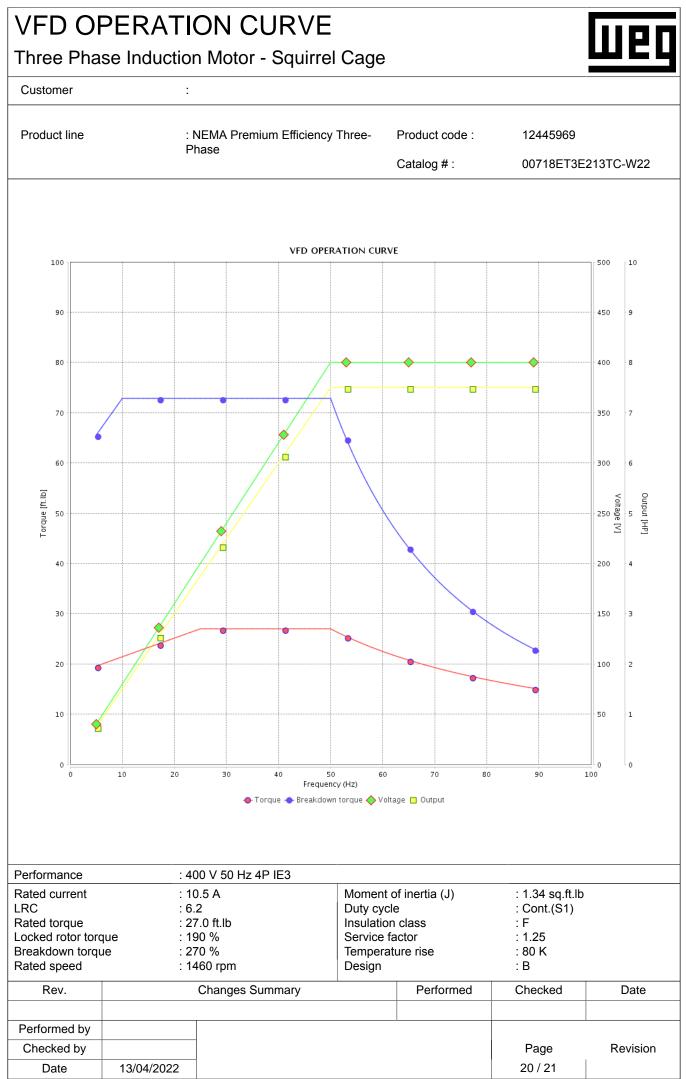
	LIMIT CURVE		Шеі
Customer	nduction Motor - Squirrel Cage	3	
Product line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	12445969 00718ET3E213TC-W22
Performance Rated current	: 415 V 50 Hz 4P IE3 : 10.3 A Mome	nt of inertia (J)	: 1.34 sq.ft.lb

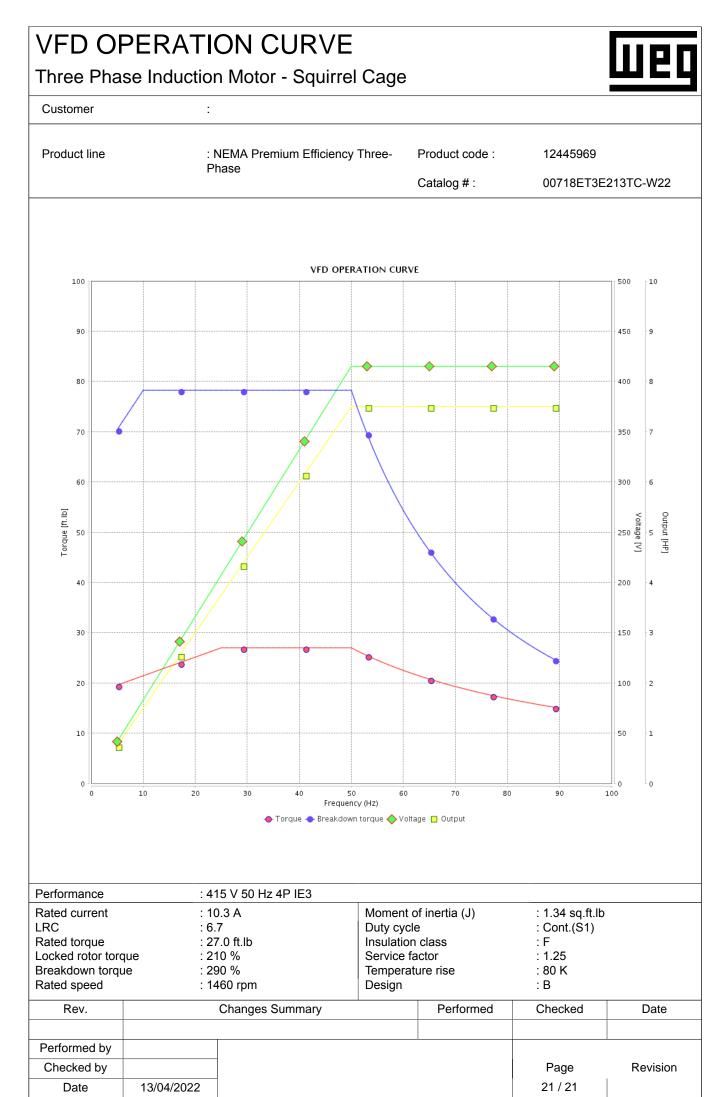
Rated current LRC Rated torque Locked rotor torqu Breakdown torqu Rated speed	: 6. : 27 jue : 2 <sup>2</sup> ie : 28	0.3 A 7 7.0 ft.lb 10 % 90 % 460 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.34 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				16 / 21	

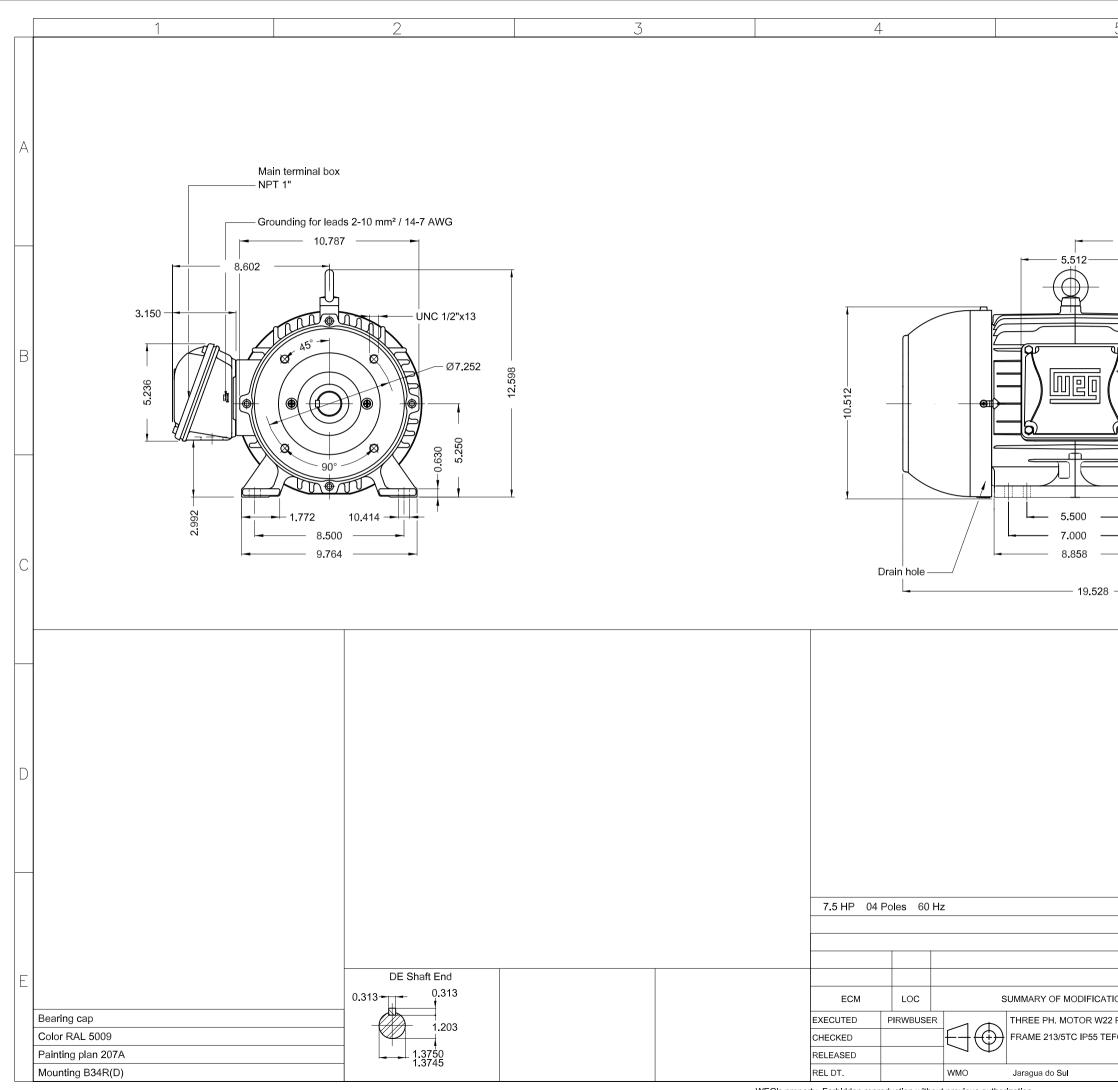












WEG's property. Forbidden reproduction without previous authorization.

5			6		
5	0.250	2.480 - © 3.375 Drain hole	6		thes
					Dimensions in inches
					A
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER
PREM. EFF.		PREVI			
FC					A3
		WDD		Ше	
Produc	t Engineering	SHEET	1 / 1		XME

