DATA SHEET

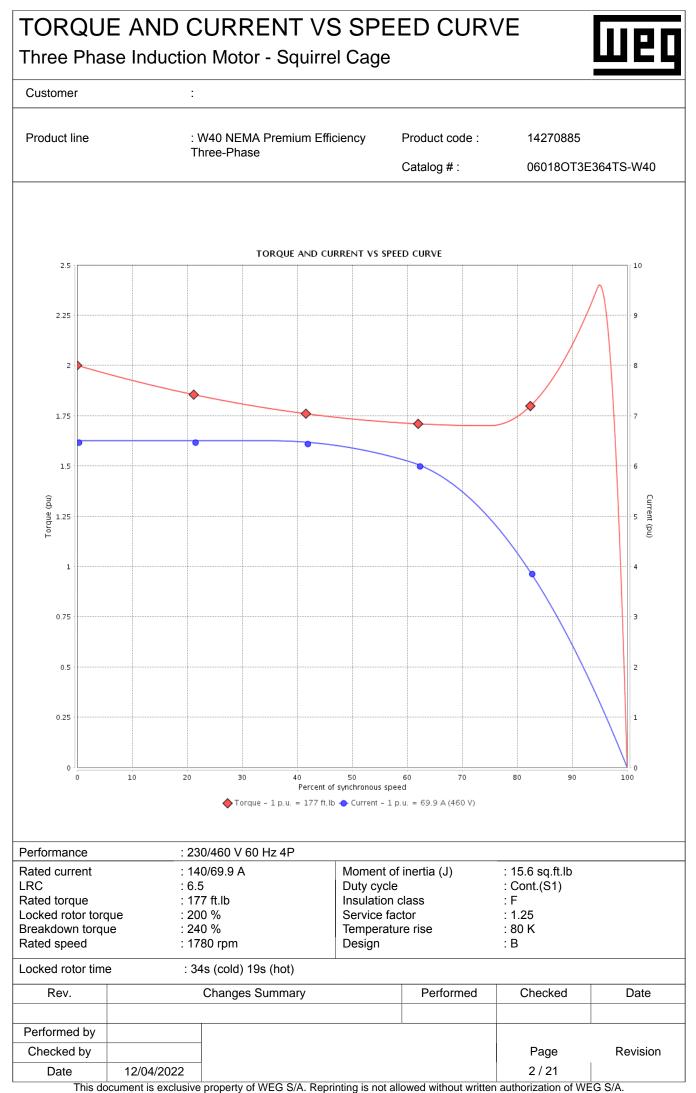
Three Phase Induction Motor - Squirrel Cage

:



Customer

Frame Insulation class			ncy Product code :		14270885		
Insulation class		Three-Phase		Cata	log # :	060180	DT3E364TS-W40
		: 364/5TS : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23		Cooling method Mounting Rotation ¹ Starting method Approx. weight ³ Moment of inertia (J)		: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line : 742 lb : 15.6 sq.ft.lb	
•		: B 60		50	50		50
Output [HP] Poles		4		50 4	50		504
Frequency [Hz]		60		50	50		50
Rated voltage [V]		230/460		380	400		415
Rated current [A]		140/69.9		69.6	66.9	9	65.3
. R. Amperes [A]		909/454		473	482	2	457
_RC [A]		6.5x(Code G)	6.8	Sx(Code G)	7.2x(Co	de H)	7.0x(Code H)
No load current [A]		49.4/24.7		24.4	26.2		27.7
Rated speed [RPN		1780		1480	148	0	1485
Slip [%]		1.11		1.33	1.33		1.00
Rated torque [ft.lb]		177		177	177		177
_ocked rotor torque		200		200	220		240
Breakdown torque	[%]	240		229 1.00	250		270
Service factor			1.25		1.00		1.00
Temperature rise		80 K	80 K		80 ł		80 K
_ocked rotor time		34s (cold) 19s (hot)	32s (cold) 18s (hot)		30s (cold) 1	17s (hot)	28s (cold) 16s (hot)
Noise level ²		69.0 dB(A)			-		
	25%	94.4		93.4	93.4		93.4
Efficiency (%)	50%	94.5		93.5	93.5		93.5
	75%	95.0		93.9	93.9		93.9
	100%	95.0		93.9	93.9		93.9
	25%	0.48		0.49	0.4		0.42
Power Factor	50%	0.73		0.74	0.7		0.68
	75%	0.82		0.83	0.8		0.79
Decription	100%		ive end	0.86 Foundation Ic	0.85 bads	I_	0.84
Bearing type Sealing		6314 C3 6212 Z C3 Without Without		Max. traction Max. compression		: 1265 lb : 2007 lb	
Lubrication interv		Bearing Seal Beari : 20000 h 20	ing Seal 000 h	Max. compres	351011	. 2007 1	5
Lubricant amount	t		13 g				
Lubricant type		: Mobil Polyrex E	-M				
Notes USABLE @208V	155A SF 1.1	15 SFA 178A					
must be eliminated (1) Looking the mo	d. otor from the m and with to	olerance of +3dB(A).	hich				ts with sinusoidal stipulated in NEMA
	ocess.	t to changes after					
(3) Approximate w manufacturing pro(4) At 100% of full							
(3) Approximate w manufacturing pro		Changes Summary		F	Performed	Checked	I Date
(3) Approximate w manufacturing pro (4) At 100% of full Rev. Performed by		Changes Summary		F	Performed	Checkec	l Date
(3) Approximate w manufacturing pro (4) At 100% of full Rev.		Changes Summary		F	Performed	Checked	d Date Revision

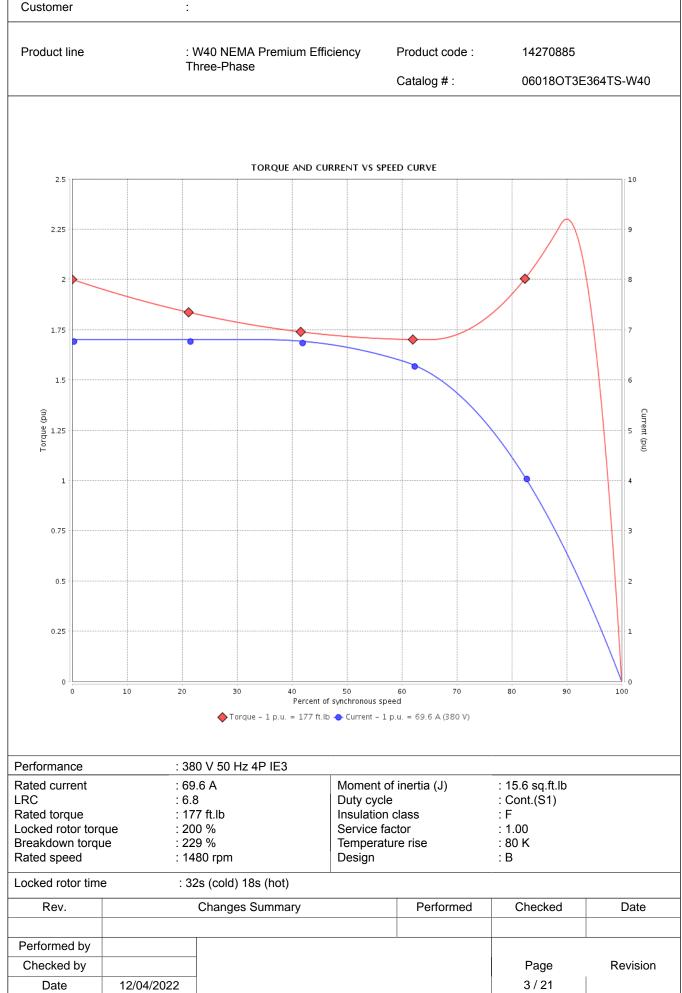


Subject to change without notice

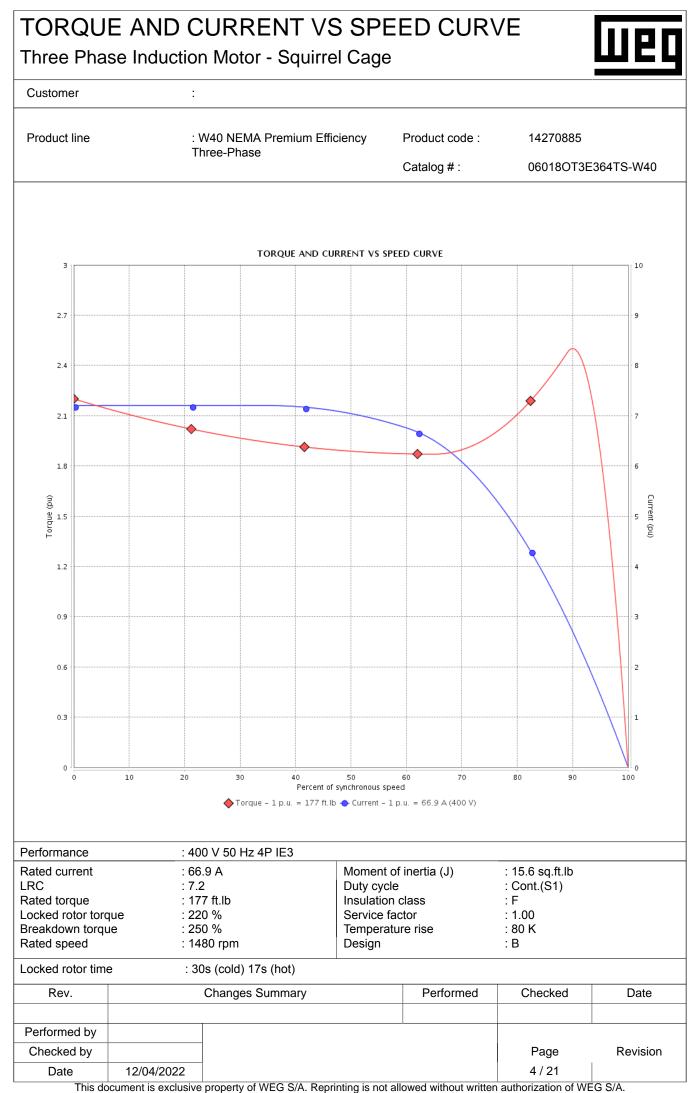
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



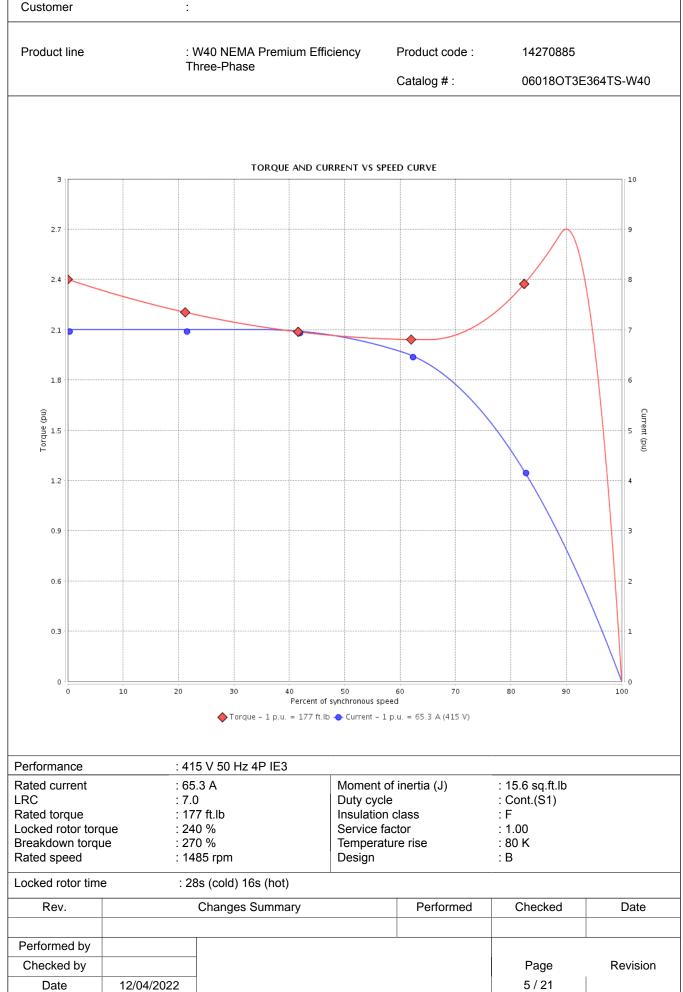
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



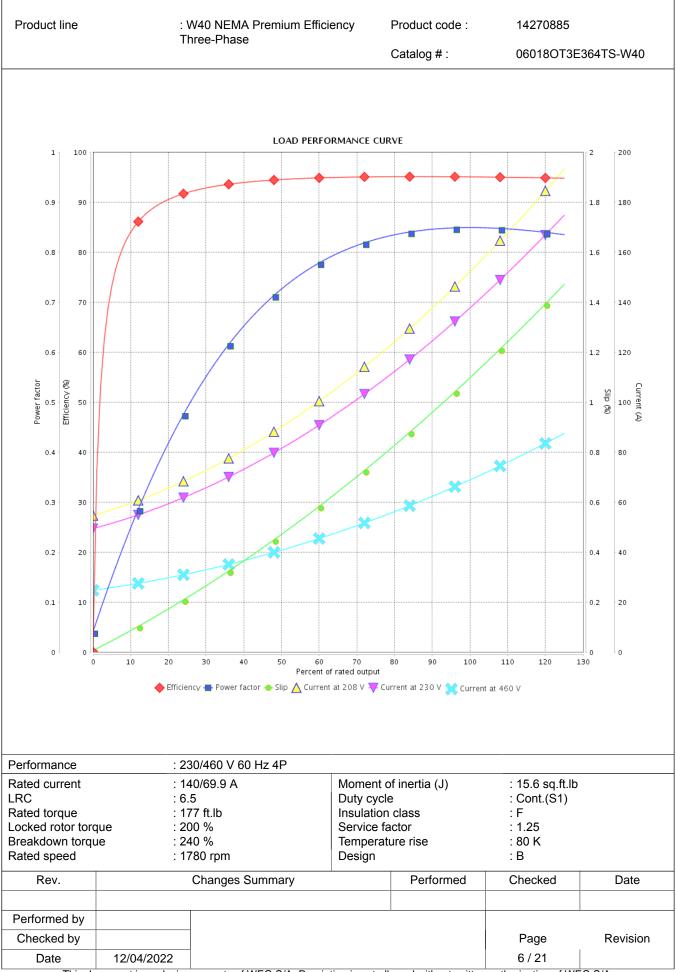
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

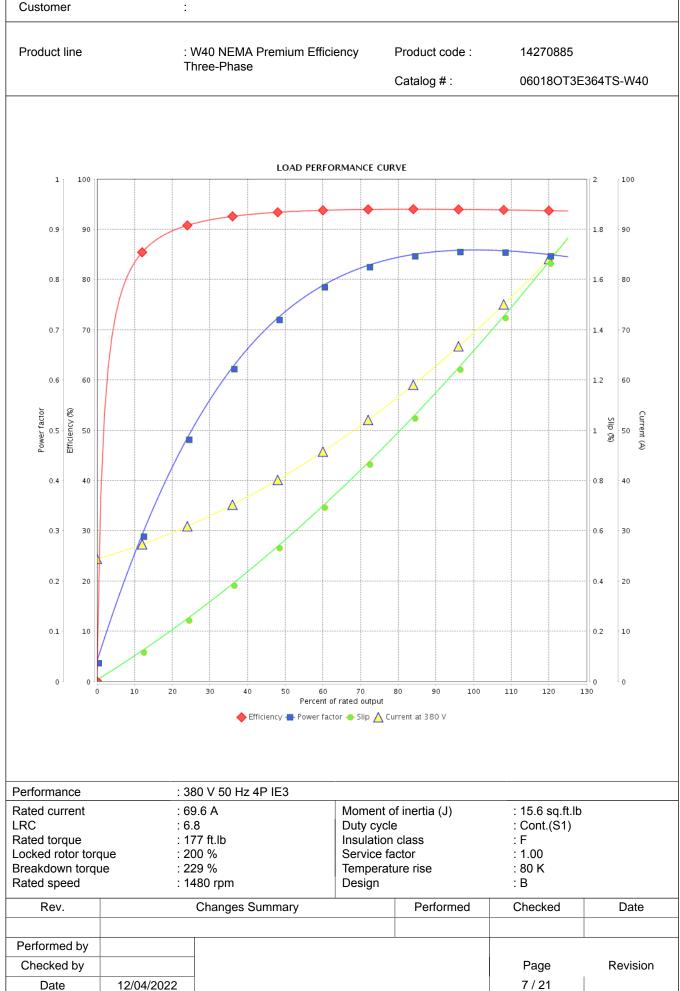


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



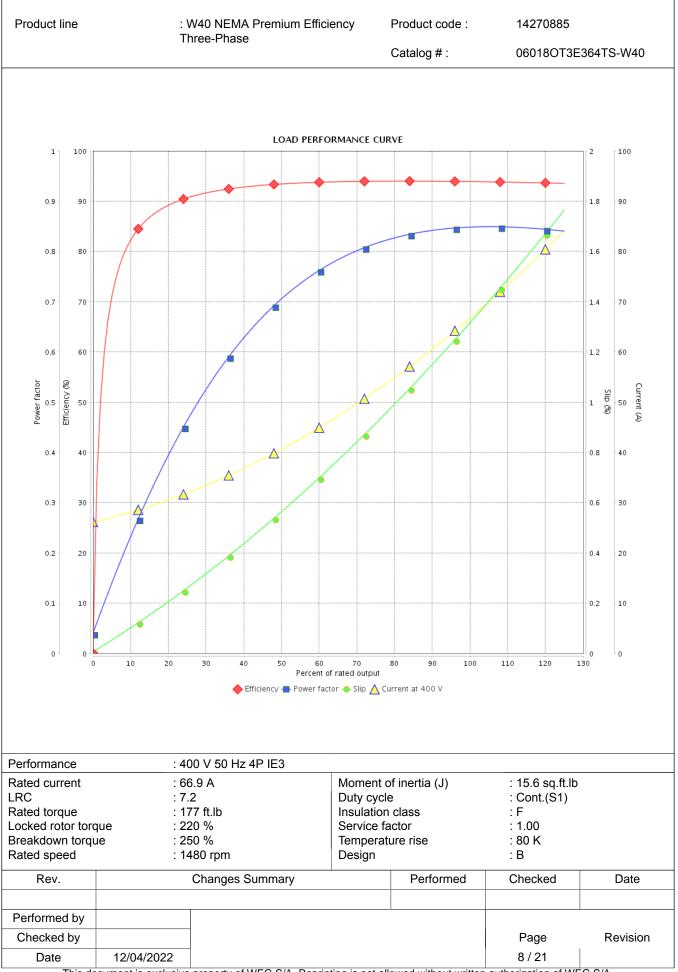
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

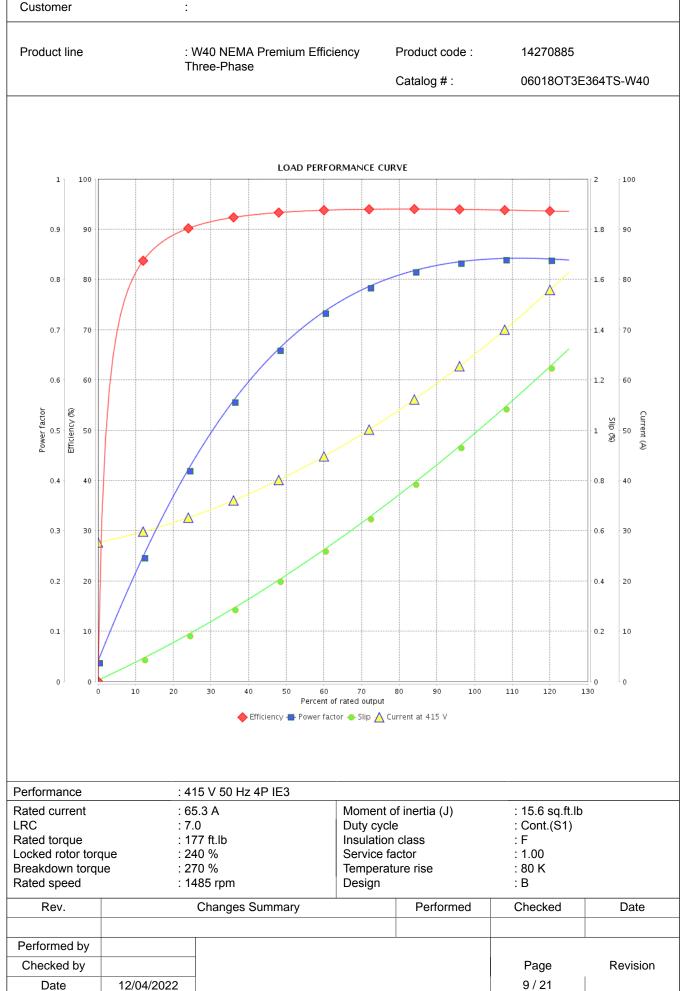


Customer



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

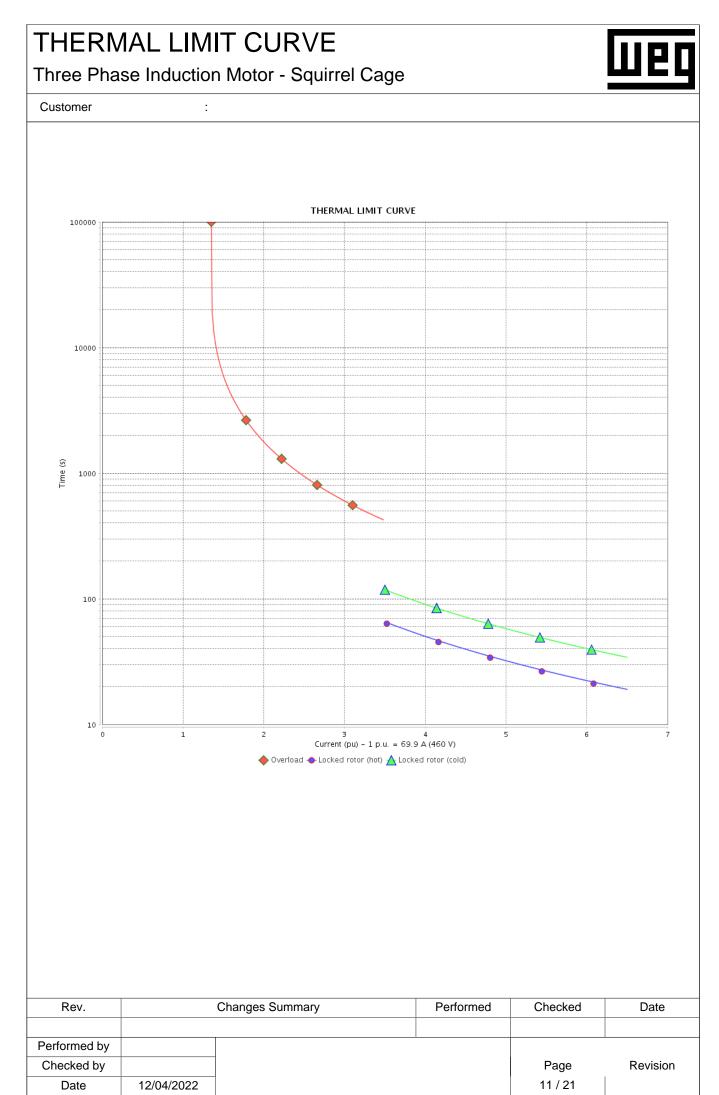
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14270885	14270885		
	I	niee-Phase		Catalog # :	06018OT3E3	64TS-W40		
Performance	: 2	30/460 V 60 Hz 4P						
Rated current : LRC : Rated torque : Locked rotor torque : Breakdown torque :		: 6.5 Duty c : 177 ft.lb Insulat : 200 % Service		class	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B			
Heating constant	t							
Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
		1						
Performed by		-				D		
Checked by Date	12/04/2022	-			Page 10 / 21	Revision		
Dale	12/04/2022				10/21			



THERMAL LIMIT CURVE

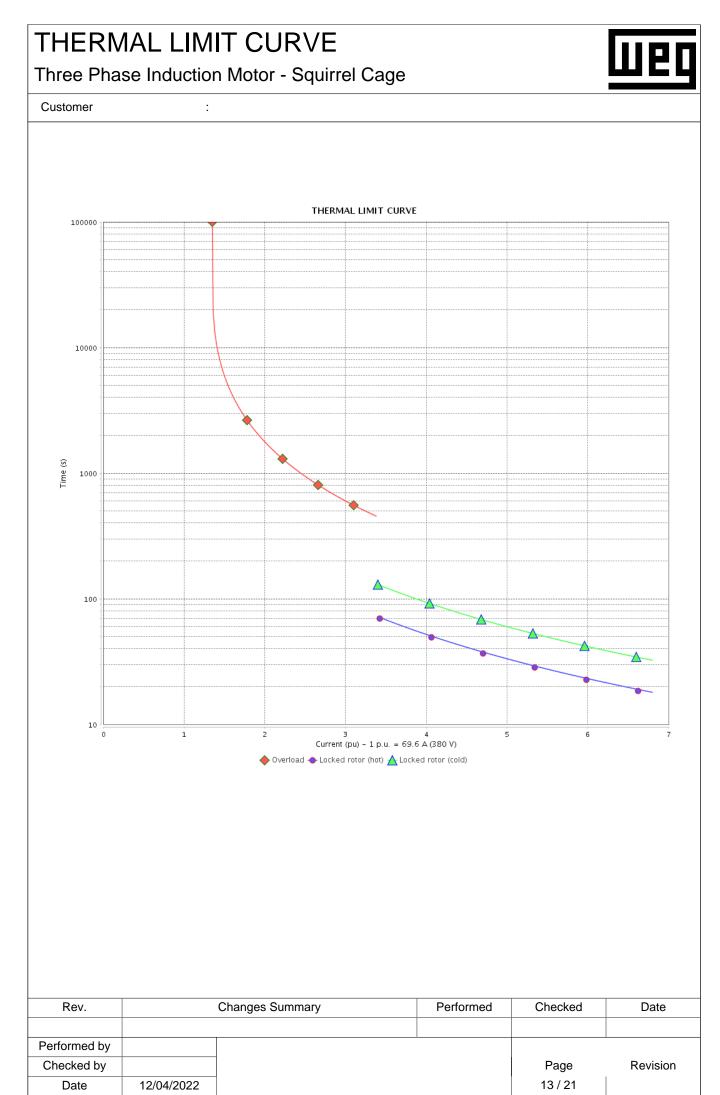
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		W40 NEMA Premium Efficie	ency	Product code :	14270885	14270885		
	I	hree-Phase		Catalog # :	06018OT3E3	64TS-W40		
Performance		80 V 50 Hz 4P IE3						
∟RC Rated torque ∟ocked rotor torque Breakdown torque		: 69.6 A Momer : 6.8 Duty cy : 177 ft.lb Insulati : 200 % Service : 229 % Temper : 1480 rpm Design		class ctor	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant	t							
Cooling constant	t	-						
Rev.		Changes Summary		Performed	Checked	Date		
Derferrer		1						
Performed by		-			Baga	Revision		
Date	Checked by Date 12/04/2022				Page 12 / 21	10131011		



THERMAL LIMIT CURVE

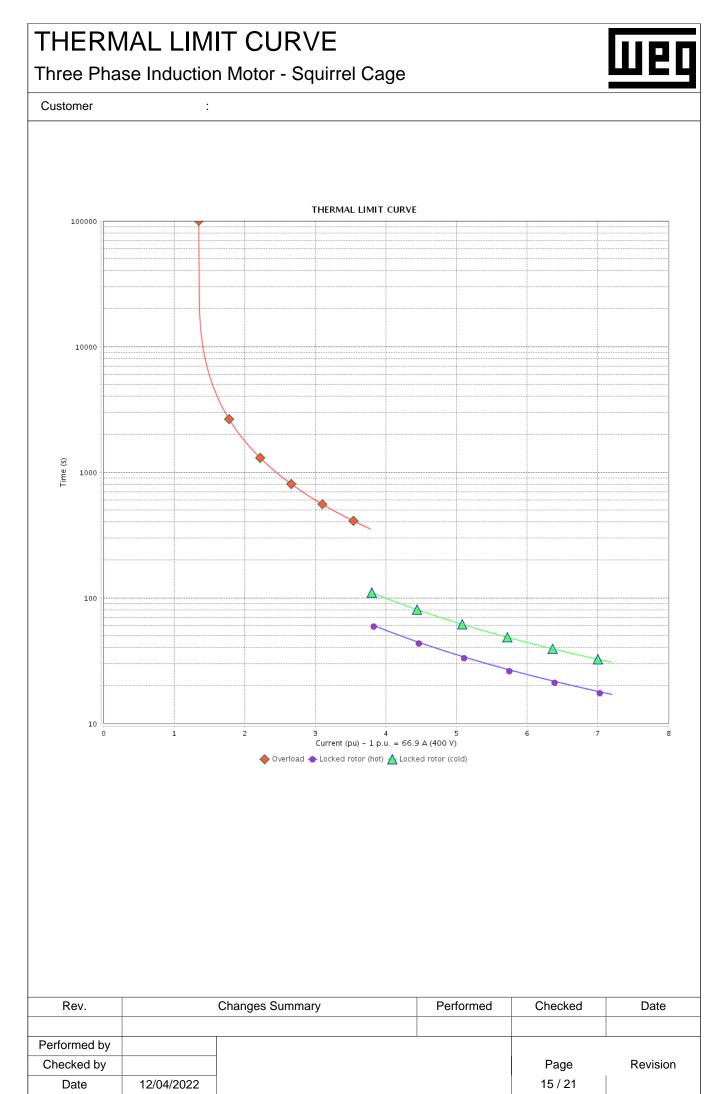
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line								
		W40 NEMA Premium Efficie Three-Phase	ency	Product code :	14270885	14270885		
				Catalog # :	06018OT3E3	64TS-W40		
Performance	: 4	00 V 50 Hz 4P IE3						
LRC Rated torque Locked rotor torque Breakdown torque		6.9 A .2 77 ft.lb 20 % 50 % 480 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant								
Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
Performed by								
Checked by					Page	Revision		
Date	12/04/2022				14/21			



THERMAL LIMIT CURVE

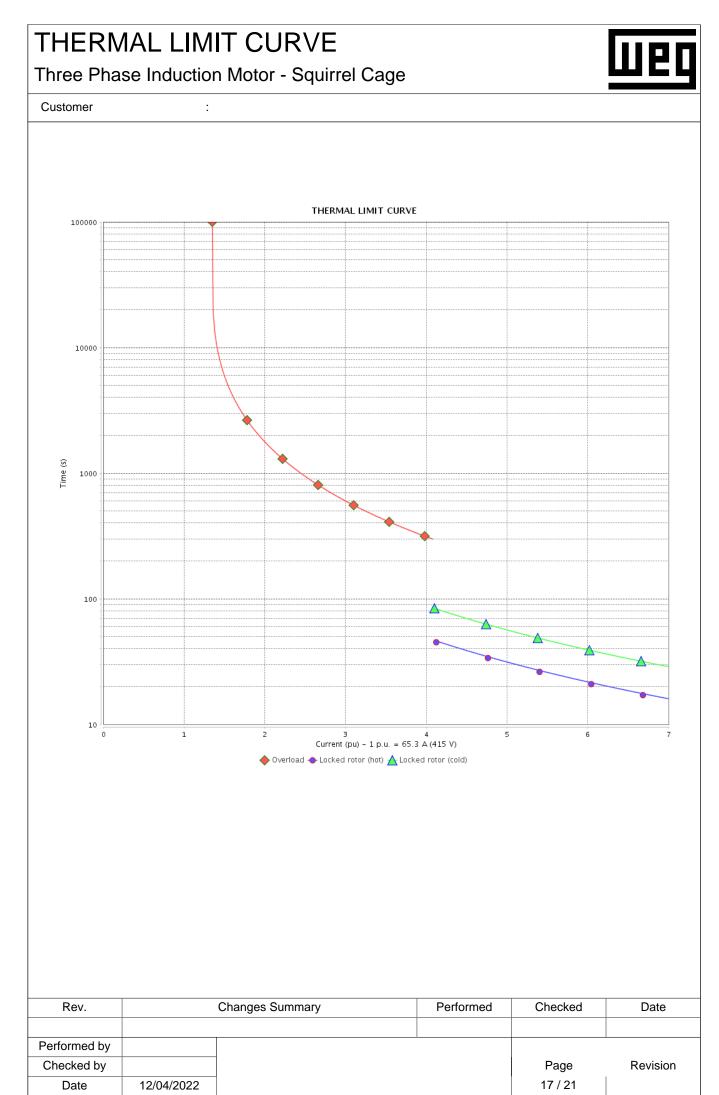
Three Phase Induction Motor - Squirrel Cage

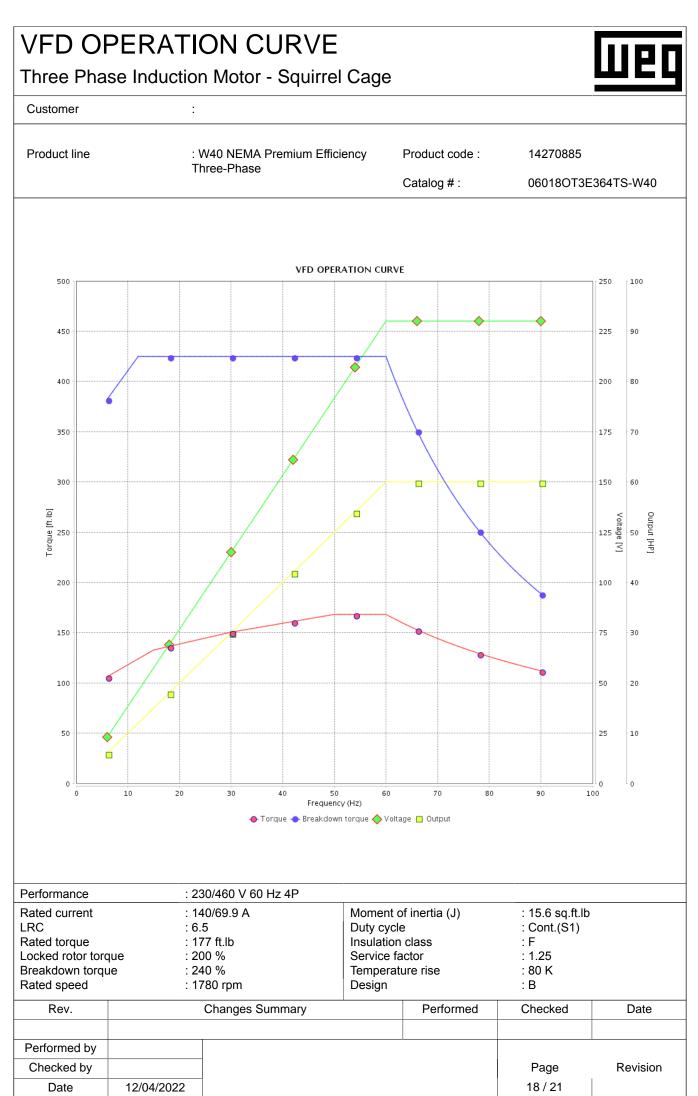
:

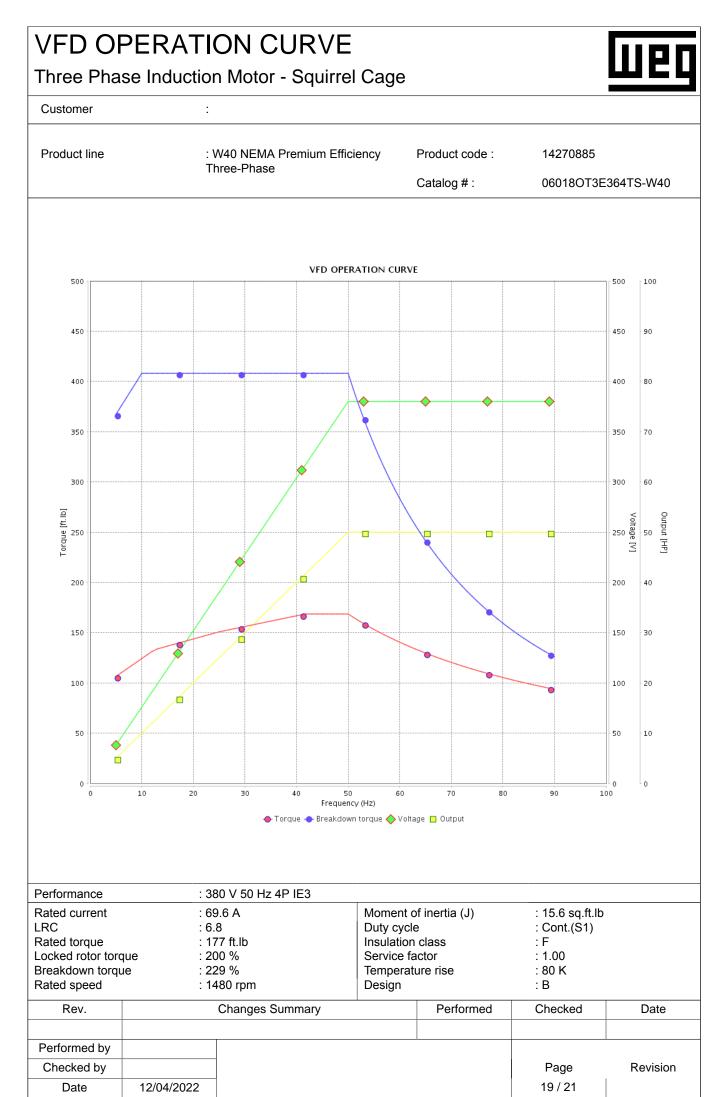


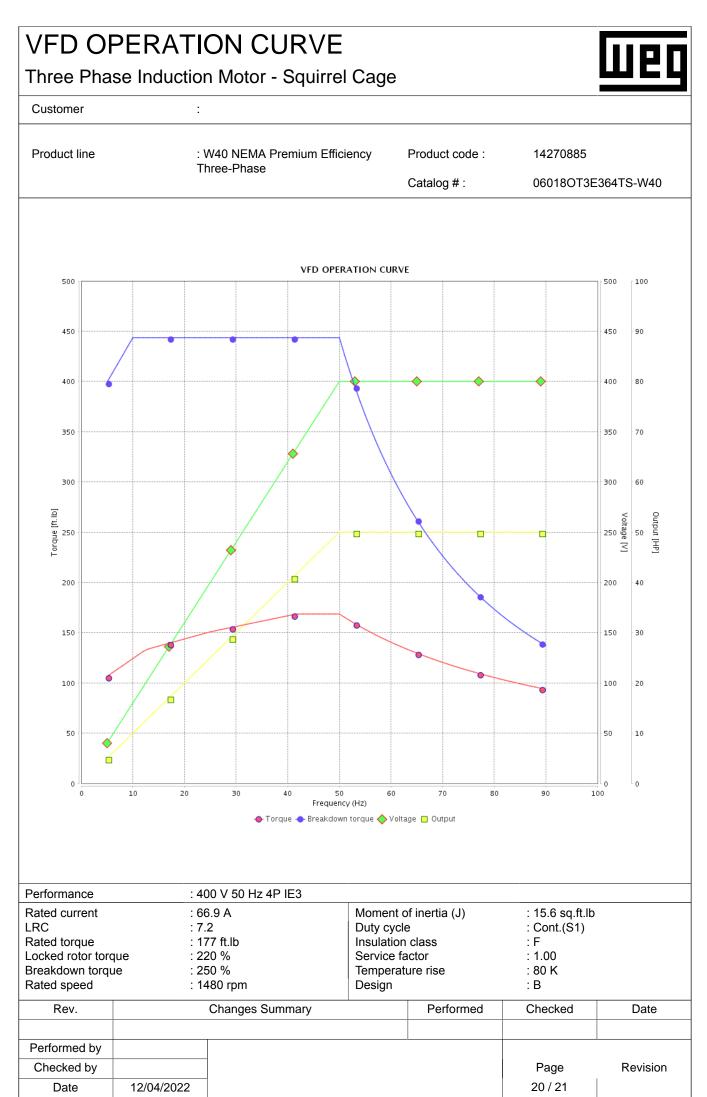
Customer

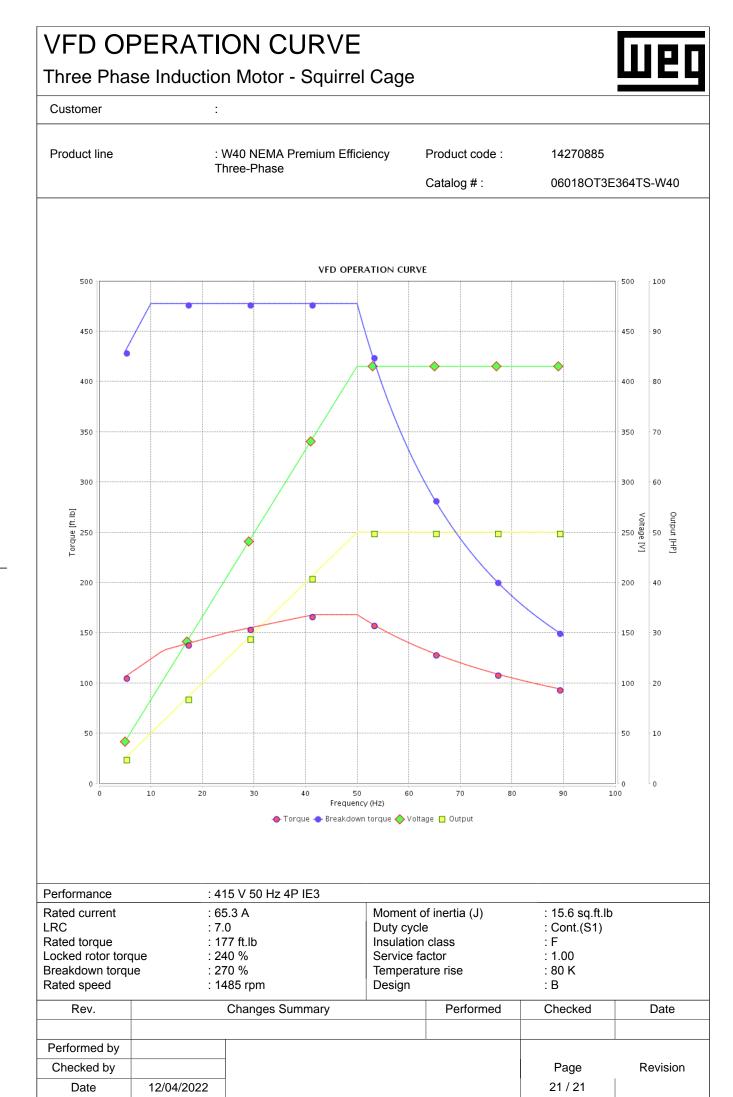
Product line		W40 NEMA Premium Efficie	ency	Product code :	14270885	14270885		
	I	hree-Phase		Catalog # :	06018OT3E3	64TS-W40		
Performance		15 V 50 Hz 4P IE3						
LRC Rated torque Locked rotor torque Breakdown torque		: 7.0 Duty of : 177 ft.lb Insula : 240 % Servic		class	: 15.6 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant	t							
Cooling constant	t							
Rev.		Changes Summary		Performed	Checked	Date		
Derferrer		1						
Performed by Checked by		-			Baga	Revision		
Date					Page 16 / 21	10131011		

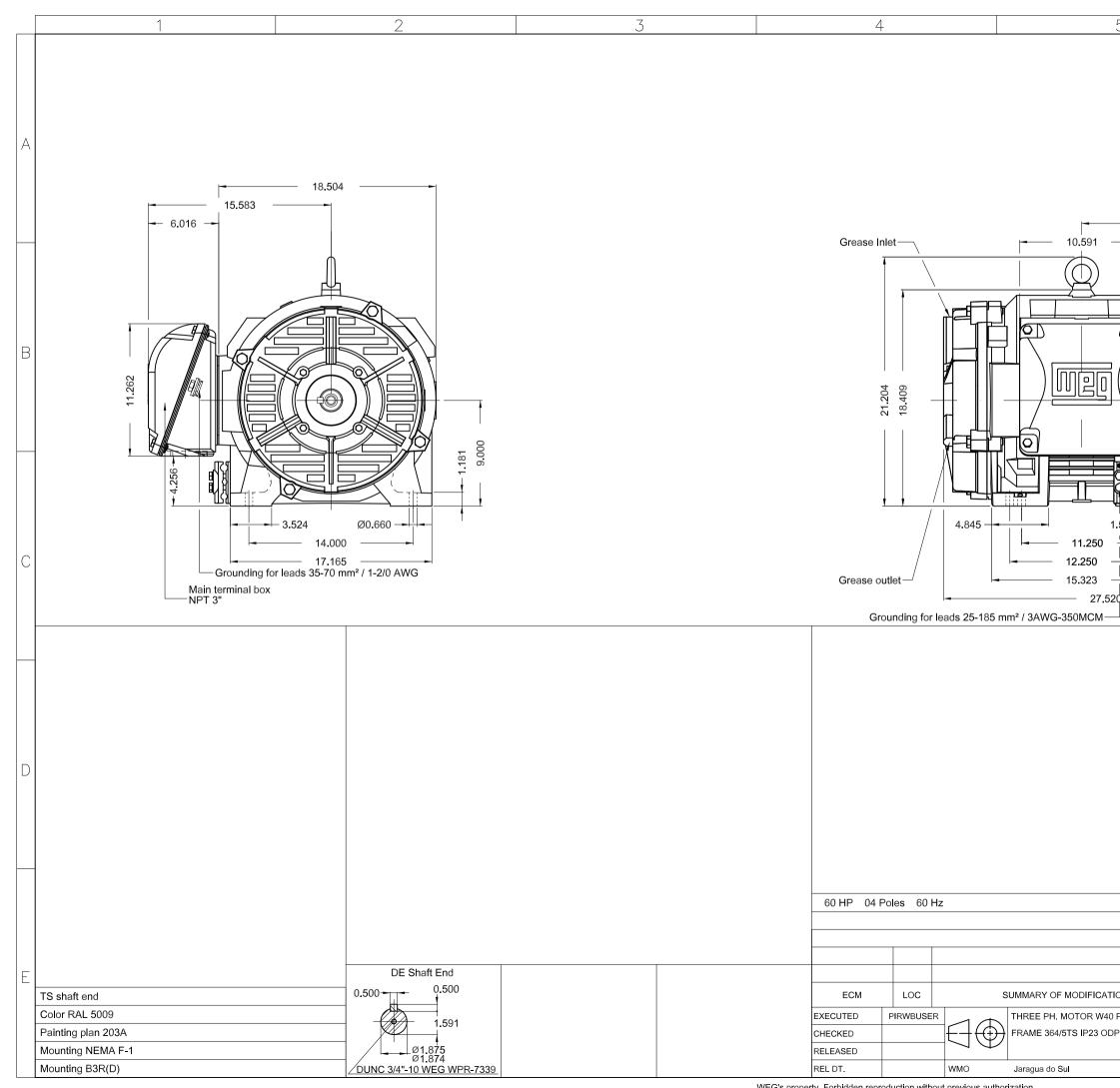












WEG's property. Forbidden reproduction without previous authorization.

5			6			
- 12.000						
		-Grease Inlet				
	/					
		4.000				
		1.969				
	١					
1.536						
5.875	\	-3.750				
20		Grease outlet				
						les
						in inc
						sions
						Dimensions in inches
					A	
				1:8		
				DAT-		
OPREM. EFF.	UTED			DATE	VER	
PREM. EFF.		PREV	EW			A3
		WDD		ШВ	9	
Product Engine	ering	SHEET	1 / 1			XME

