DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line			NEMA Premium Efficiency Three- Product code :		114397	97	
		T HUGO		C	Catalog # :	07518>	KT3E365T
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design	cle : Cont.(S1) Rotation ¹ t temperature : -20°C to +40°C Starting method : 1000 m.a.s.l. Approx. weight ³		nethod weight³	: F-1 : Both (
Output [HP]		75		60	6	60	60
Poles		4		4		4	4
Frequency [Hz]		60		50	-	50	50
Rated voltage [V]		230/460		380		00	415
Rated current [A]		166/83.2		83.2		9.9	78.5
L. R. Amperes [A]		1281/641		599		23	667
LRC [A]		7.7x(Code H)	7.2	2x(Code H)		Code J)	8.5x(Code J)
No load current [A		56.0/28.0		30.0		0.0	32.0
Rated speed [RPI	/]	1782		1480		180	1483
Slip [%]		1.00		1.33		.33	1.13
Rated torque [ft.lb		221		213		13	212
Locked rotor torqu		240		220		50	270
Breakdown torque	e [%]	290		280		10	340
Service factor		1.15		1.00		.00	1.00
Temperature rise		80 K		80 K		ОК	80 K
Locked rotor time		28s (cold) 16s (hot)		cold) 15s (h) 15s (hot)	27s (cold) 15s (hot)
Noise level ²		75.0 dB(A)	7	'0.0 dB(A)		dB(A)	70.0 dB(A)
	25%	94.0		94.0		4.0	93.0
Efficiency (%)	50%	94.5		94.1		4.1	93.6
	75%	95.0		94.5		4.5	94.5
	100%	95.4		94.5		4.5	95.0
	25%	0.49		0.48		.45	0.42
Power Factor	50%	0.74		0.74		.70	0.67
	75%	0.83		0.83		.81	0.79
	100%	0.87		0.87	0.	.86	0.84
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type		: 6314 C3 63 : Oil Seal Lip : 9789 h 97	789 h 27 g	Foundatic Max. tract Max. com	tion	: 1969 : 2982	
Notes USABLE @208V	′ 184A SF 1.0	00 SFA 184A					
must be eliminate (1) Looking the m (2) Measured at	ed. notor from the 1m and with t weight subjec ocess.	cel the previous one, w shaft end. olerance of +3dB(A). t to changes after	hich				sts with sinusoidal stipulated in NEMA
Rev.		Changes Summary	,		Performed	Checked	d Date
Performed by							
Checked by	10/04/000					Page 1 / 22	Revision
Date	13/04/202	<u> </u>				1/22	1

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

ID	Application	Туре	Quantity	Sensing ⁻	Temperature
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C
I .	winding	memostat - 2 wires	I X FIIdSe	K	55 C
Devi			Dorforme a -l	Chaskad	Dete
Rev.	Cnang	es Summary	Performed	Checked	Date
erformed by hecked by				Page	Revision

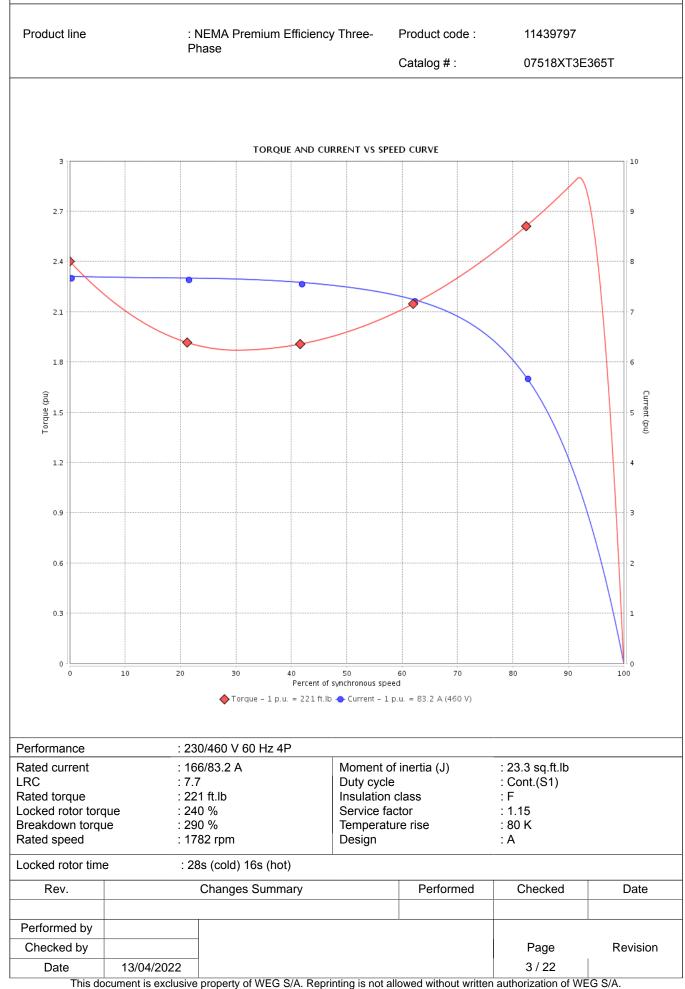
TORQUE AND CURRENT VS SPEED CURVE

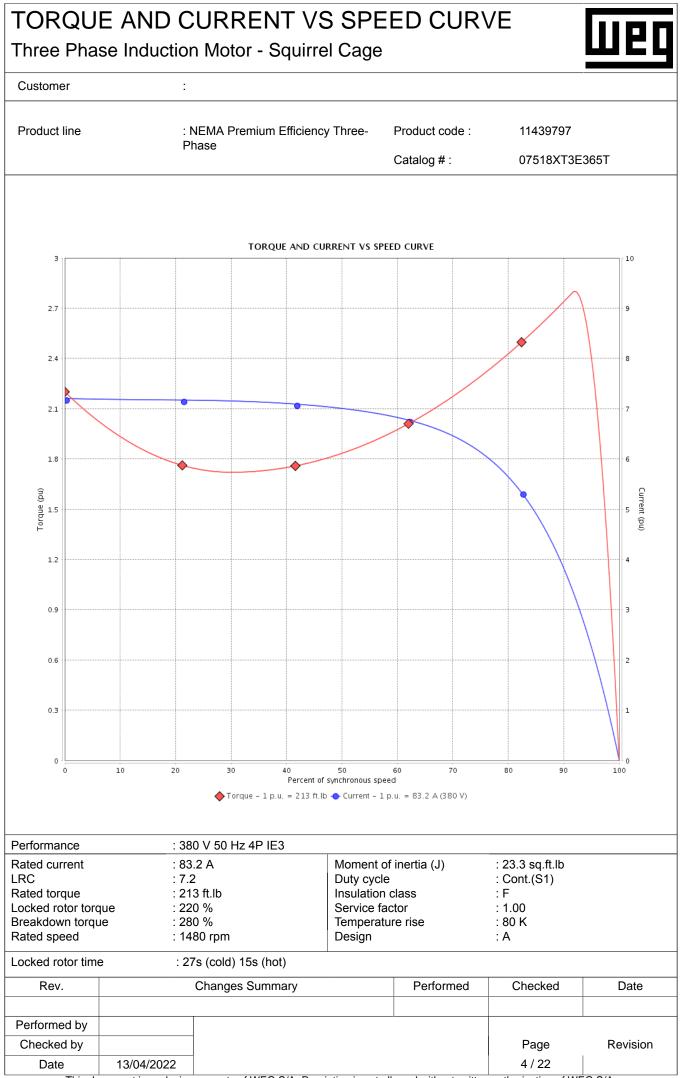
Three Phase Induction Motor - Squirrel Cage

:



Customer





TORQUE AND CURRENT VS SPEED CURVE

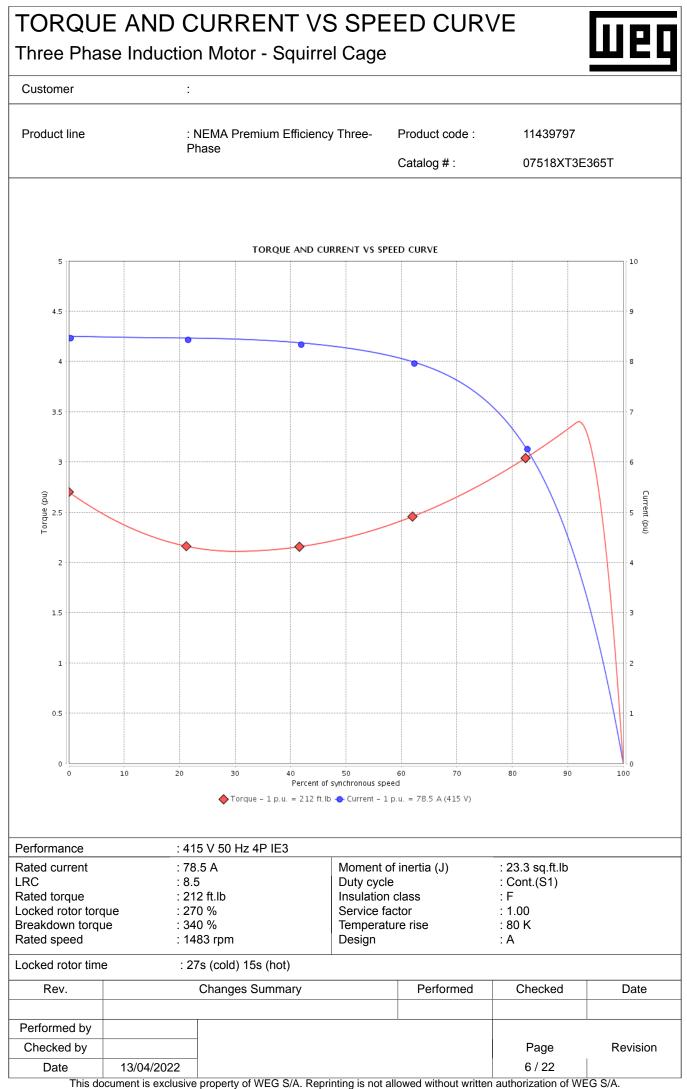
Three Phase Induction Motor - Squirrel Cage

:



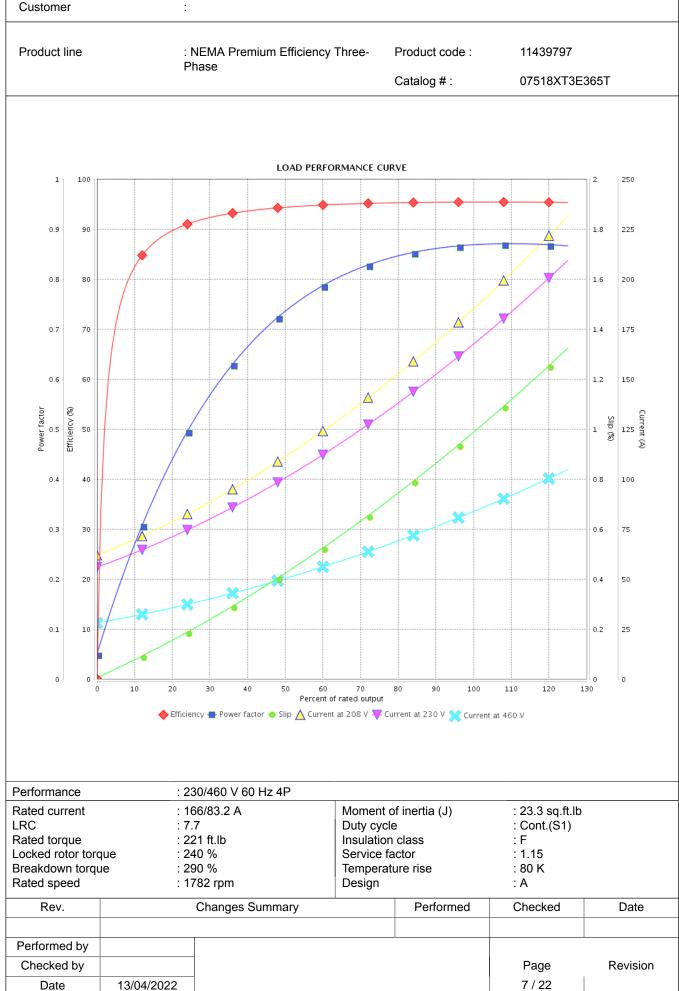


Product line		: NEMA Premium Efficiency Phase	y Three-	Product code :	11439797	
		Filase		Catalog # :	07518XT3E3	865T
		TORQUE AND CU	RRENT VS SPE	ED CURVE		
5						10
4.5						9
4						8
•		•				5
3.5						7
з						6
-						
(nd) 2.5						Current (pu)
Tor						(nd
2		◆◆				4
1.5						3
1						2
0.5						1
0						
0	10 2	20 30 40 Percent of	50 synchronous spee	60 70 d	80 90	100
		◆ Torque - 1 p.u. = 213 ft.lb) 🔶 Current – 1 p	.u. = 79.9 A (400 V)		
erformance		: 400 V 50 Hz 4P IE3				
ated current		: 79.9 A	Moment of	inertia (J)	: 23.3 sq.ft.lb	
RC Rated torque		: 7.8 : 213 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
ocked rotor tor	que	250 % 310 %	Service fac	ctor	: 1.00 : 80 K	
Breakdown torq Rated speed		: 1480 rpm	Temperatu Design	reinse	: 00 K : A	
ocked rotor tim	ie	: 27s (cold) 15s (hot)	1			
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				5/22	



Three Phase Induction Motor - Squirrel Cage

Customer



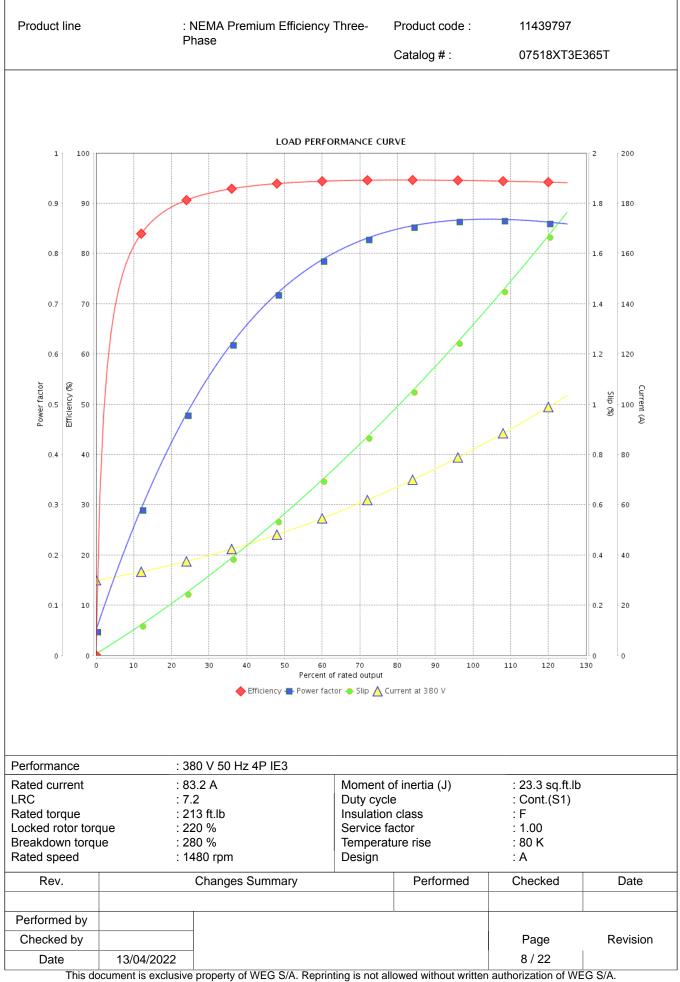
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

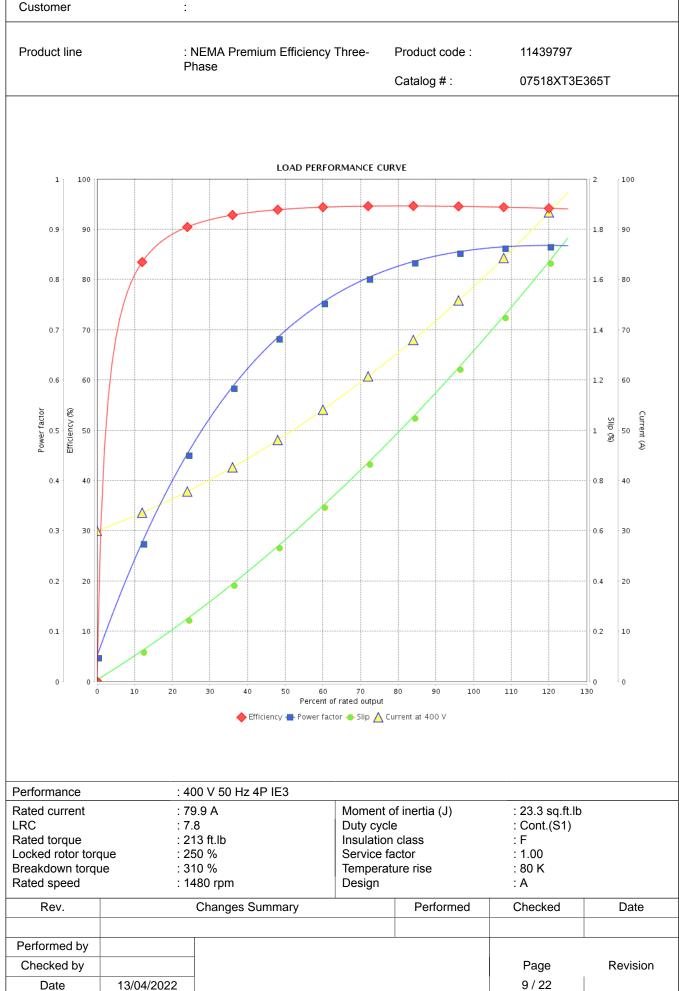


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



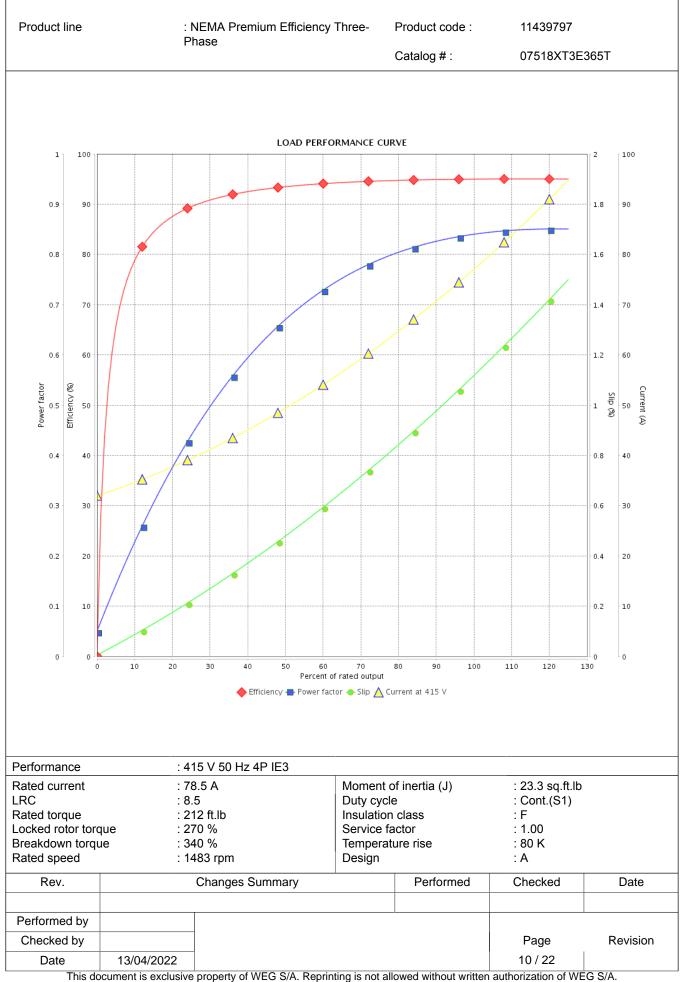
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:



Customer



:

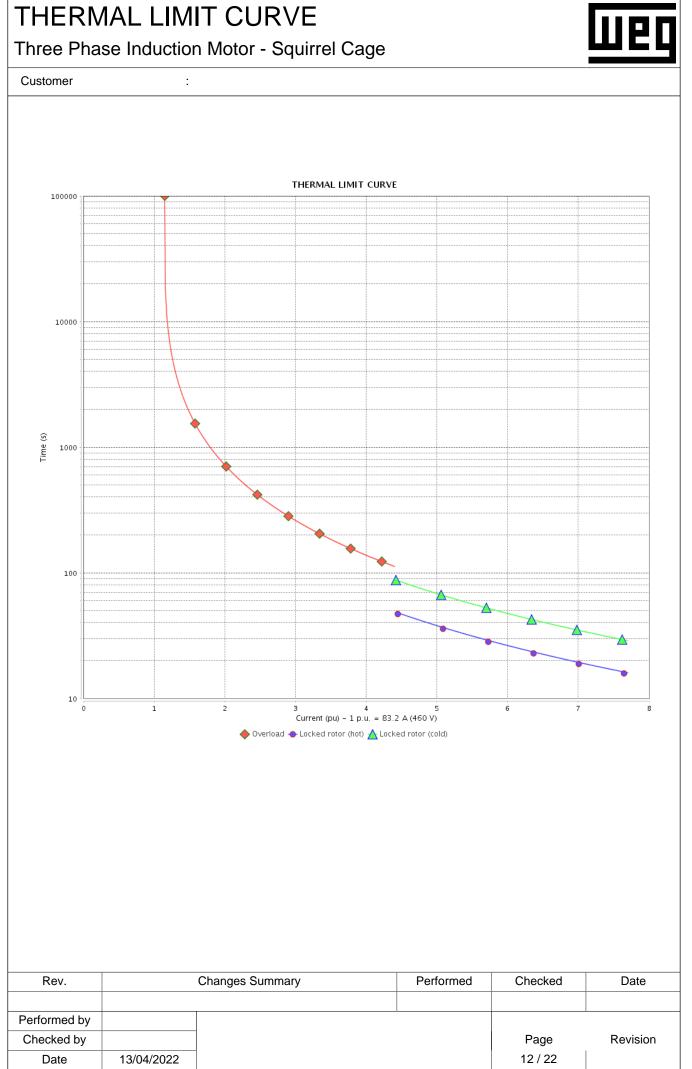
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	11439797
	Phase	Catalog # :	07518XT3E365T

Шед

Performance	: 2:	30/460 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7. : 22 jue : 24 ie : 29	66/83.2 A .7 21 ft.lb 40 % 90 % 782 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 23.3 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : A	
Heating constant	t					
Cooling constant	:					
Rev.		Changes Summary		Performed	Checked	Date
Performed by					I	
Checked by		1			Page	Revision
Date	13/04/2022	1			11 / 22	



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

:

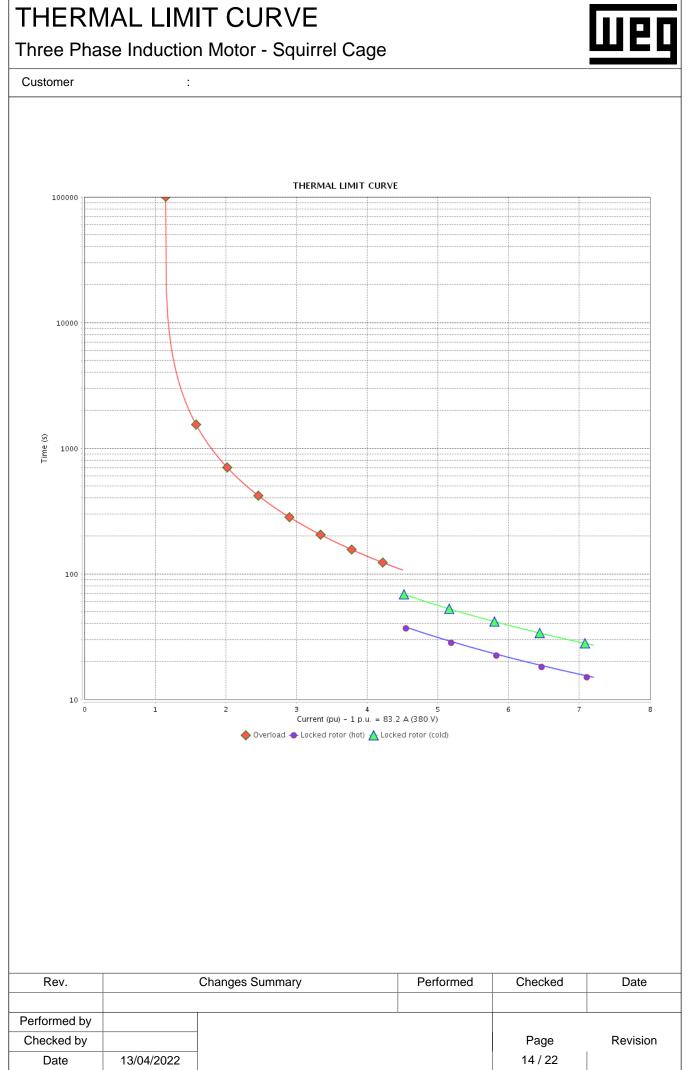
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	11439797
	Phase	Catalog # :	07518XT3E365T

Шеq

Performance		: 380 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	lue le	: 83.2 A : 7.2 : 213 ft.lb : 220 % : 280 % : 1480 rpm	Duty cyc Insulatio Service f	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022	2			13 / 22	
This do	cument is exclu	sive property of WEG S/A. Subject	Reprinting is not a to change without		authorization of WE	G S/A.



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

:

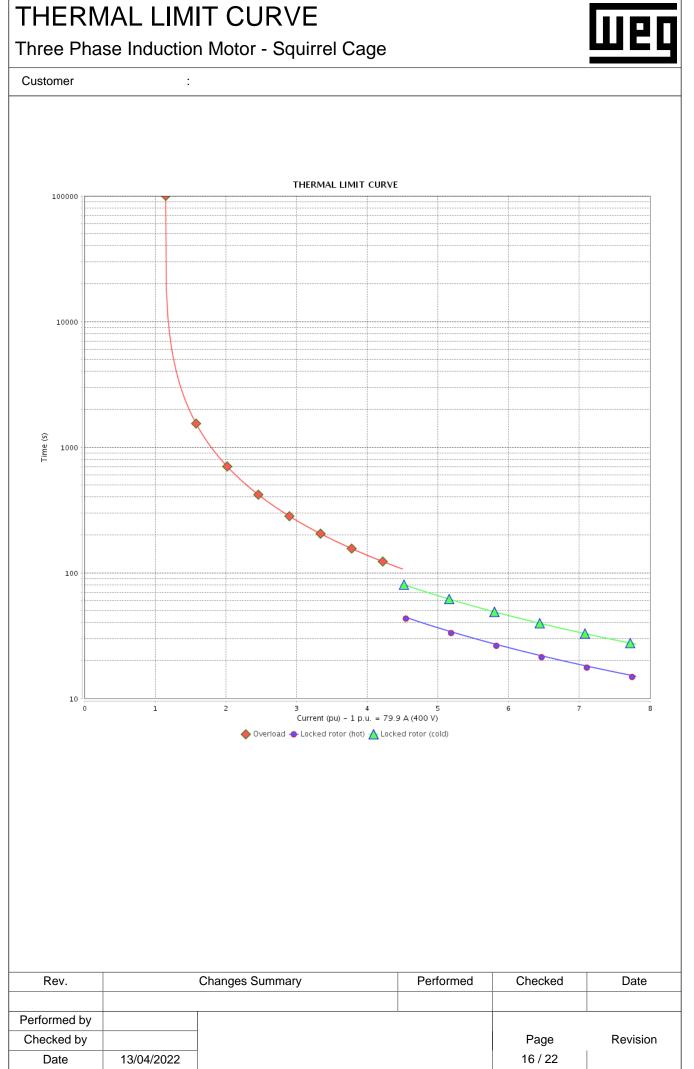
Three Phase Induction Motor - Squirrel Cage

Customer

Product line	: NEMA Premium Efficiency Three-	Product code :	11439797
	Phase	Catalog # :	07518XT3E365T

Шеq

Performance	: 40	00 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 7 : 2 que : 2 ue : 3	9.9 A 8 13 ft.lb 50 % 10 % 480 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 23.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : A	
Heating constant						
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				15 / 22	



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

:

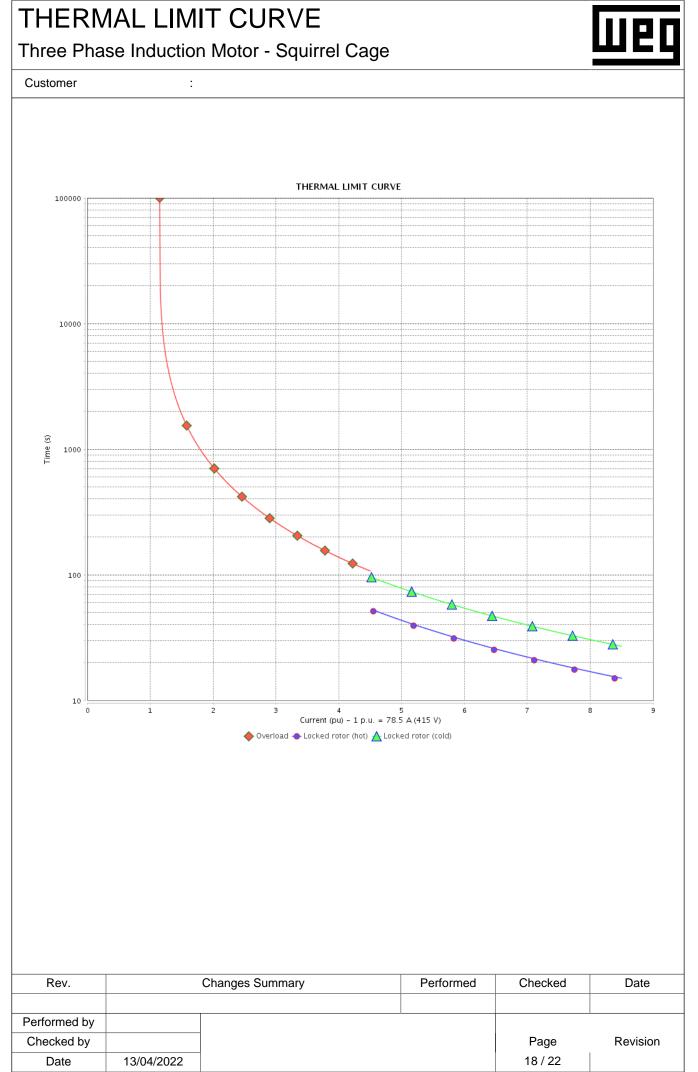
Three Phase Induction Motor - Squirrel Cage

Customer

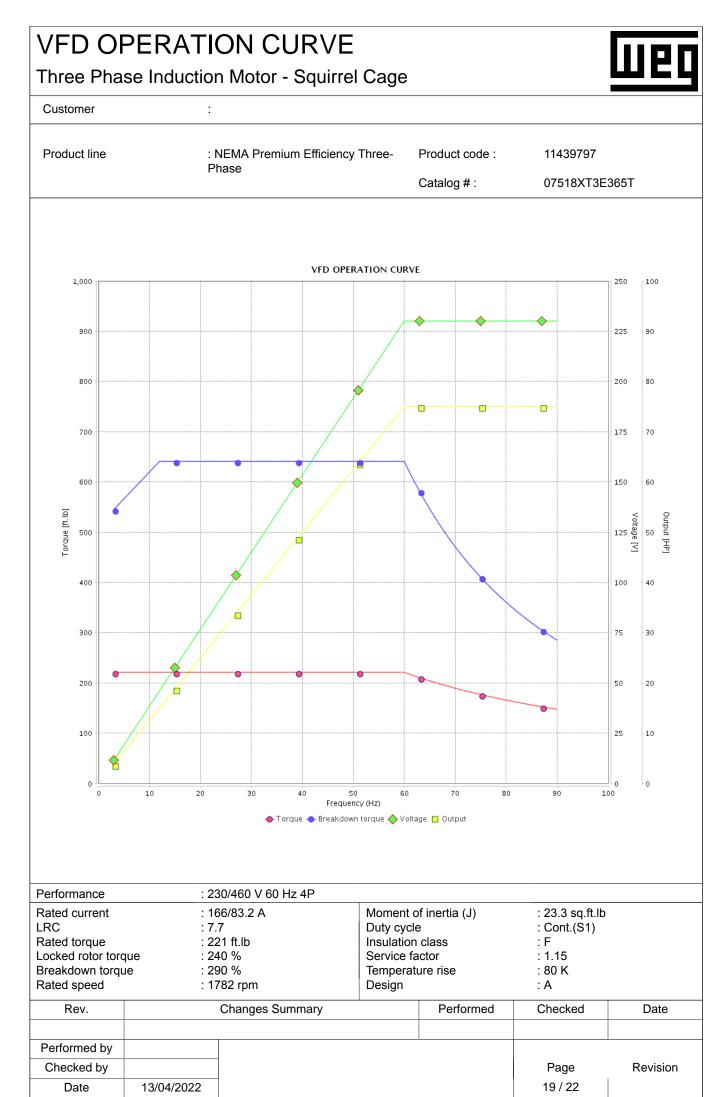
Product line	: NEMA Premium Efficiency Three-	Product code :	11439797
	Phase	Catalog # :	07518XT3E365T

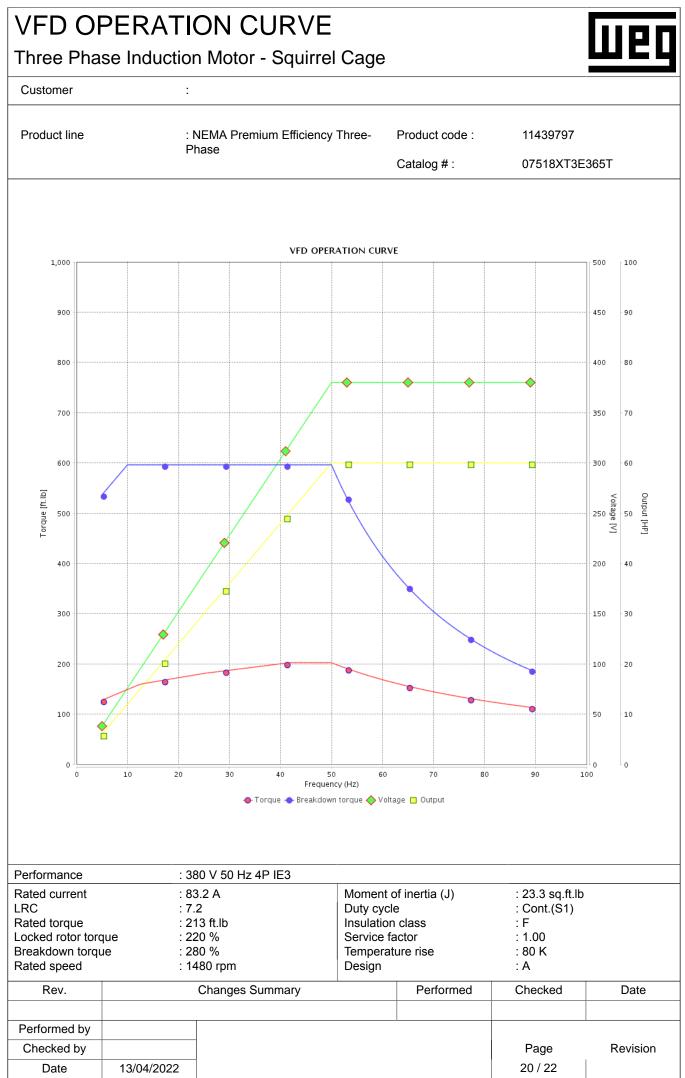
Шед

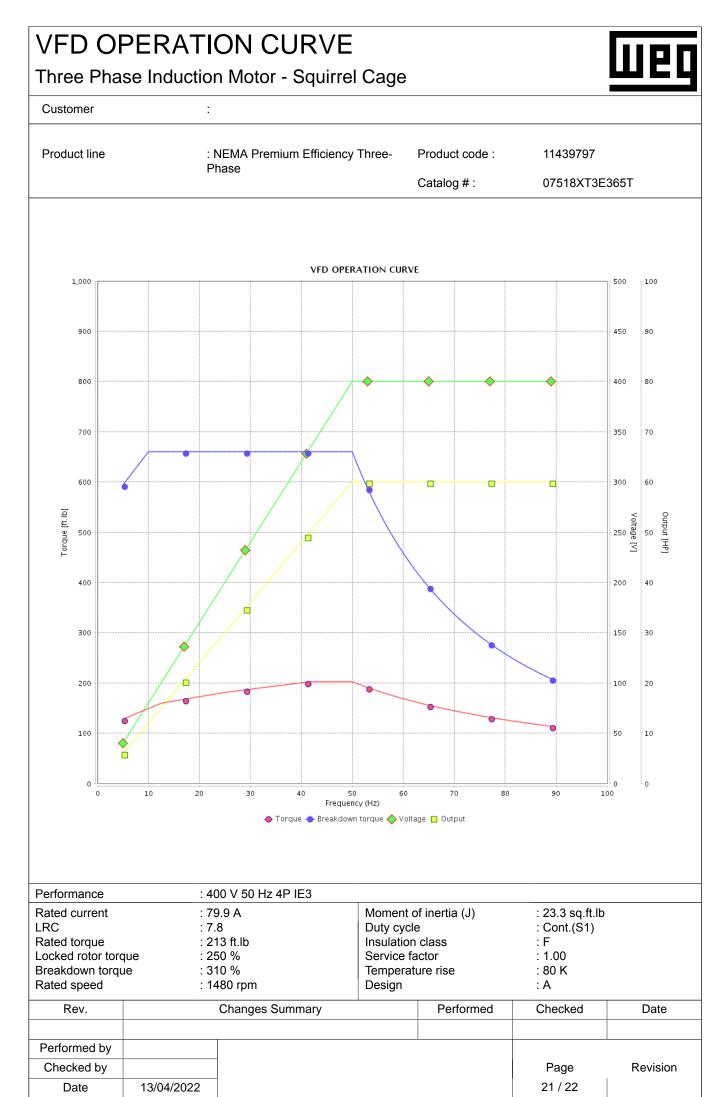
Performance	: 4	415 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed Heating constant	: 8.5 Du : 212 ft.lb Ins que : 270 % Se ue : 340 % Ter : 1483 rpm De		Moment of Duty cycle Insulation Service fac Temperatu Design	class	: 23.3 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : A	
Cooling constant						
Rev.	-	Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				17 / 22	
This do	cument is exclusiv	e property of WEG S/A. Reprin	ting is not allo	wed without written	authorization of WEC	G S/A.

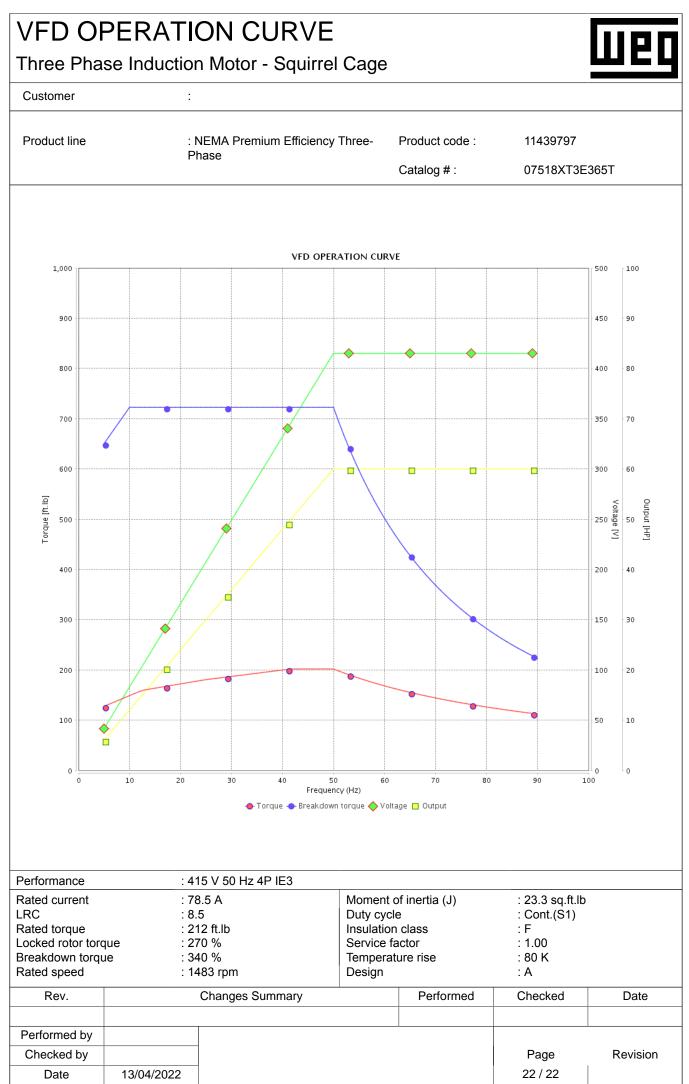


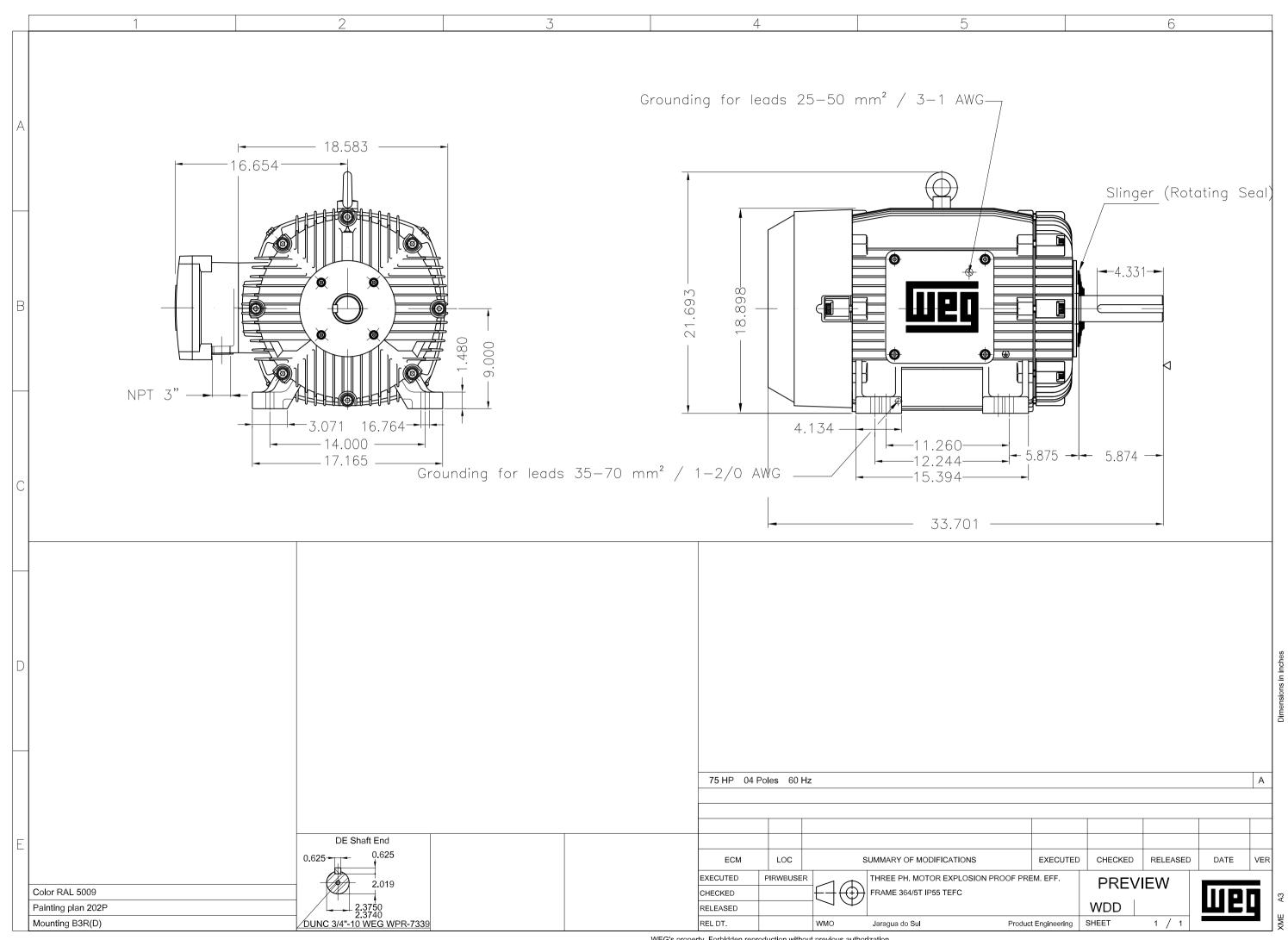
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice











WEG's property. Forbidden reproduction without previous authorization.

	CC029A Inverter Duty Severe Duty	Motor		(h) LIST	ED C C US Every Verified	TEMP CODE T3C CSA/UL: Class I - Div. 1 - Groups C and D CSA: Class II - Div. 1 - Groups F and G CSA: Class I - Zone 1 - IIB EXPLOSION PROOF MOTOR FOR USE ON VPWM VFD 1000:1VT, 2:1CT, 1.0SF, T3C, AMB 40°C.
3E365T RAZIL 7	PH 3 FR 364/5T V 230/460	HP(kW) 75.0(5 A 166/83		RPM 17	Hz 60 82	0111 0112 010 0111 0112 0110 015 016 014 015 016 014
7518XT IN BF 43979	NEMA NOM. EFF. 95.4	¦%	INS CL F		0 K IP55	γ18 γ19 γ17 √18 √19 √17 √12 √13 √11 √12 √13 √11 △ L2 L3 L1 △ L2 L3 L1
MODEL 07518XT3E365T MADE IN BRAZIL 11439797	PF 0.87 ENCL. TEFC	DUTY CONT. SF 1.15	SFA 19	1/95.7	CODE H	208-230V 460//380V
×		DES A USABLE		4 A SF 1		"∰ → 6314-C3(27g) 9789 h
		earings lub interval				ALT 1000 m.a.s.l 1014 Lbs