DATA SHEET

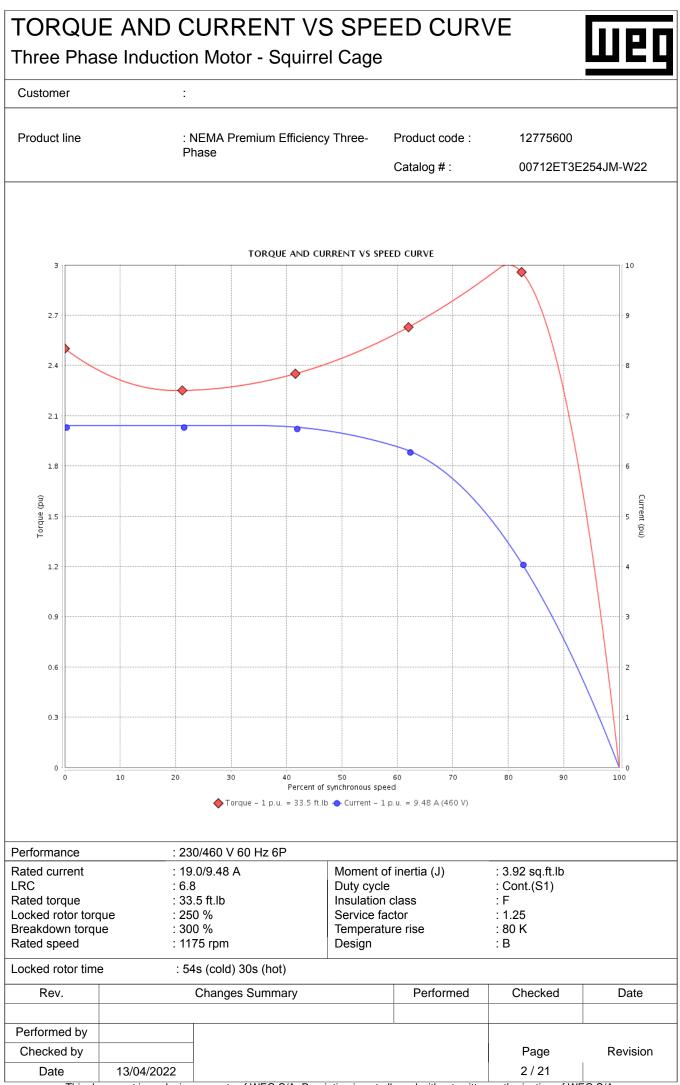
Three Phase Induction Motor - Squirrel Cage

:



Customer

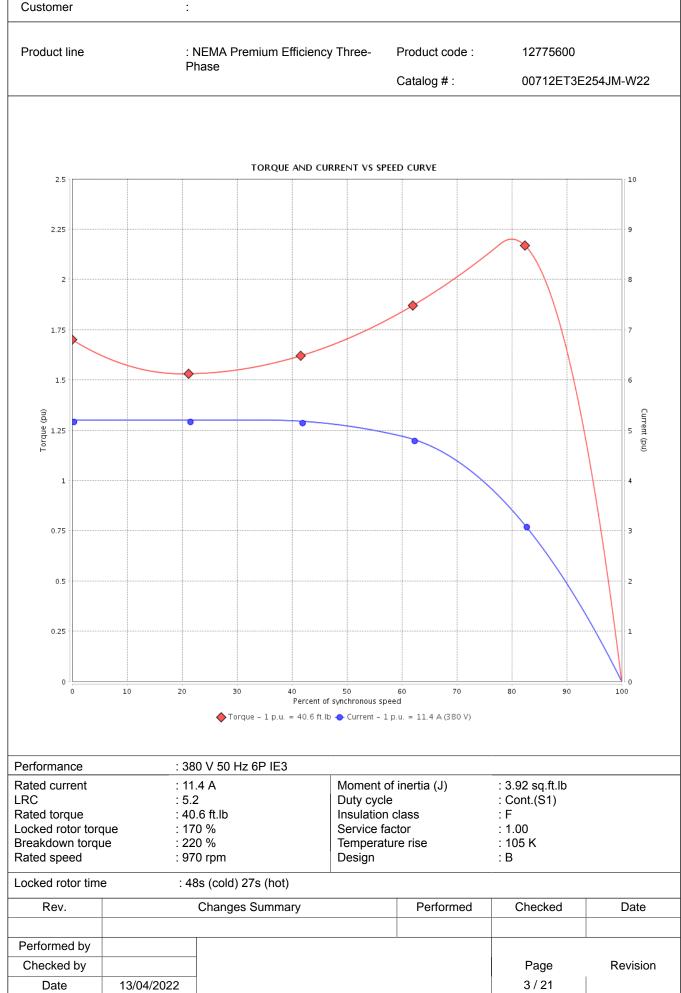
Product line	Product line : NEMA Premium Efficiency Three- Product code : Phase			oduct code :	1277560	0	
		Flidse		Ca	talog # :	00712ET	3E254JM-W22
Frame Insulation class Duty cycle Ambient tempera Altitude Protection degre Design		: 254/6JM : F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : B		Cooling me Mounting Rotation ¹ Starting me Approx. we Moment of	ethod eight ³	: IC411 - : F-1 : Both (C : Direct C : 297 lb : 3.92 sq	CW and CCW) On Line
Output [HP]		7.5	1	7.5	7.	5	7.5
Poles		6		6	6	-	6
Frequency [Hz]		60		50	50		50
Rated voltage [V]		230/460		380	40		415
Rated current [A]		19.0/9.48		11.4	10		10.5
. R. Amperes [A]		129/64.5		59.3	62		65.1
_RC [A]		6.8x(Code H)	53	2x(Code F)	5.8x(Co		6.2x(Code G)
No load current [A	1	9.00/4.50	0.2	4.50	4.7		4.95
Rated speed [RPN		1175		970	97		975
Slip [%]	.1	2.08		3.00	3.0		2.50
Rated torque [ft.lb]	1	33.5		40.6	40		40.4
Locked rotor torqu		250		170	20		220
Breakdown torque		300		220	20		260
Service factor	.[/0]	1.25		1.00	1.1		1.15
Temperature rise		80 K			105		80 K
Locked rotor time		54s (cold) 30s (hot)					48s (cold) 27s (hot)
Noise level ²							
	25%	59.0 dB(A) 88.6	C	7.0 dB(A) 90.2	57.0 c		57.0 dB(A) 88.7
	25% 50%	89.5		90.2 89.5	89		89.5
Efficiency (%)	50% 75%						
		90.2		89.5	89		89.5
	100%	91.0		88.5	89		90.2
	25%	0.38		0.44	0.4		0.39
Power Factor	50%	0.63		0.70	0.6		0.64
	75%	0.74		0.79	0.7		0.75
	100%	0.80		0.83	0.8	52	0.81
Bearing type Sealing Lubrication interv Lubricant amoun		: 6309 C3 62 : V'Ring V' : 20000 h 20 : 13 g			: 355 lb : 652 lb		
Lubricant type		: Mobil Polyrex E					
NOTES USABLE @208V	21.0A SF 1.	15 SFA 24.1A					
must be eliminate (1) Looking the m	ed. lotor from the Im and with to veight subjec ocess.	olerance of +3dB(A).	hich		•		s with sinusoidal tipulated in NEMA
Rev.		Changes Summary	,		Performed	Checked	Date
Performed by				1			
Checked by						Page	Revision
Date	13/04/2022	2				1 / 21	
		-	D :				



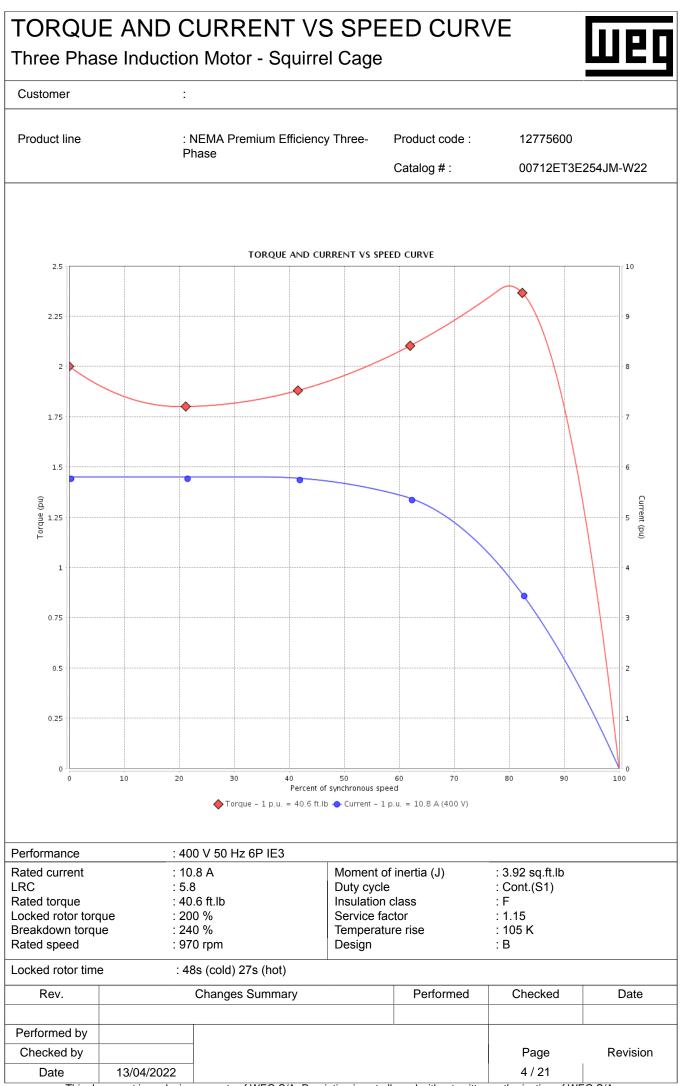
TORQUE AND CURRENT VS SPEED CURVE

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

:





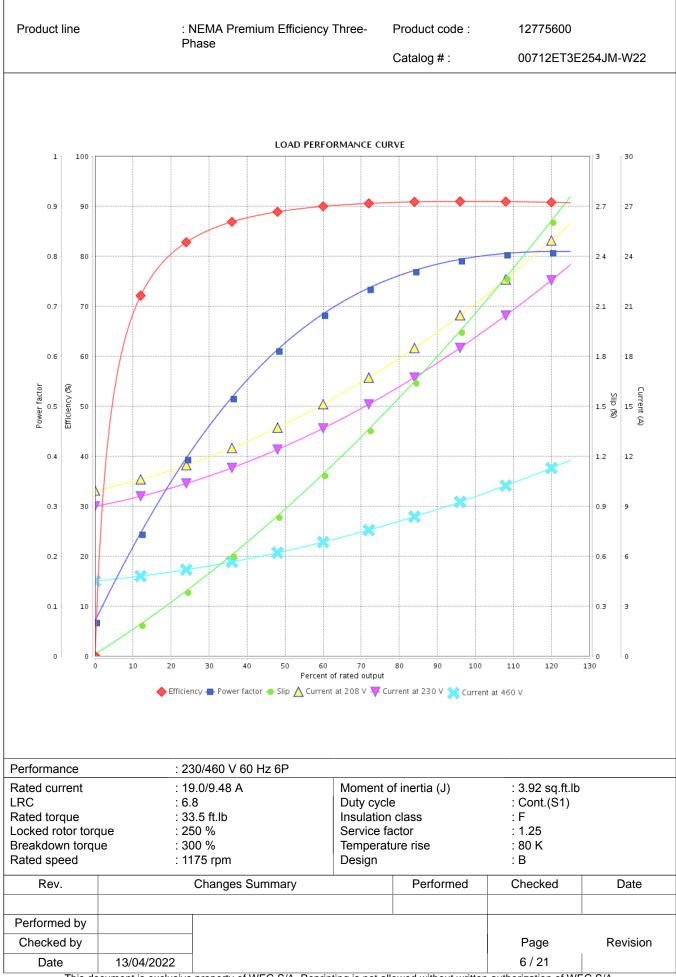
Product line	: NEMA Premium Effici Phase	iency Three- Product	code :	12775600	
	Phase	Catalog	#:	00712ET3E2	54JM-W22
	TORQUE AN	D CURRENT VS SPEED CURVE			
3					10
2.7				•	9
2.4					8
2.4					å
2.1					7
1.8	• •				6
(nd) an 1.5 Lot					Current (pu)
Tor					(pu)
1.2					4
				•	
0.9					3
0.6					2
0.3					1
0					<u> </u>
0 10	20 30 40 Perc	50 60 ent of synchronous speed	70 8	0 90	100
	♦ Torque - 1 p.u. = 40	0.4 ft.lb 🔶 Current – 1 p.u. = 10.5 A	A(415 V)		
erformance	: 415 V 50 Hz 6P IE3				
ated current	: 10.5 A	Moment of inertia (.92 sq.ft.lb	
RC ated torque	: 6.2 : 40.4 ft.lb	Duty cycle Insulation class	: C : F	cont.(S1)	
ocked rotor torque eakdown torque	: 220 % : 260 %	Service factor Temperature rise		.15 0 K	
ated speed	: 975 rpm	Design	: B		
ocked rotor time	: 48s (cold) 27s (hot)				
Rev.	Changes Summary	Perf	ormed	Checked	Date
erformed by					
Checked by				Page	Revision

Three Phase Induction Motor - Squirrel Cage

:

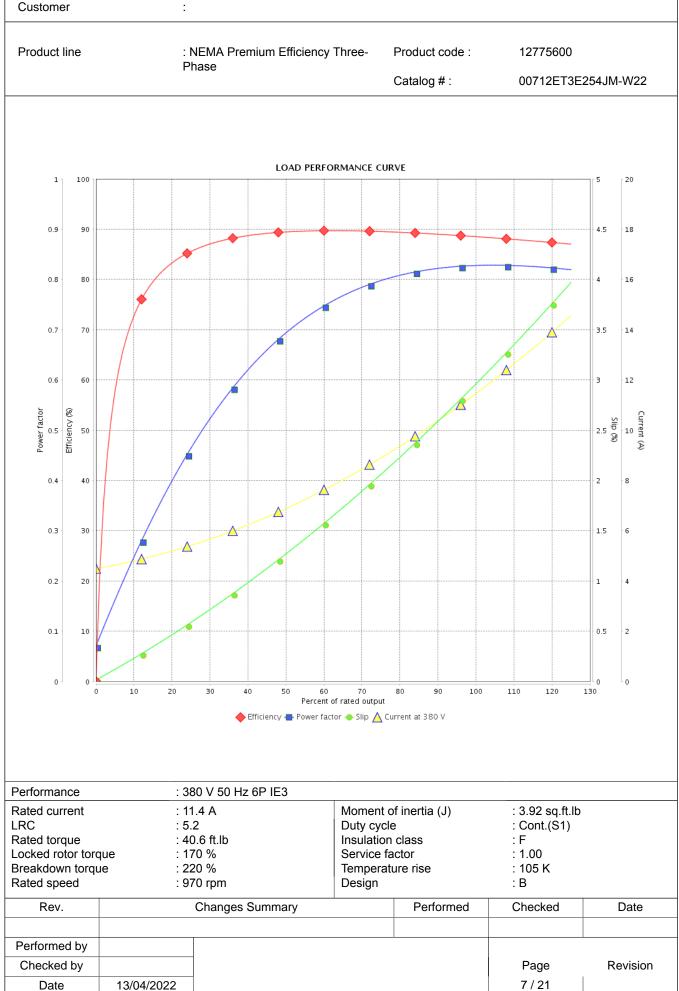


Customer



Three Phase Induction Motor - Squirrel Cage

Customer



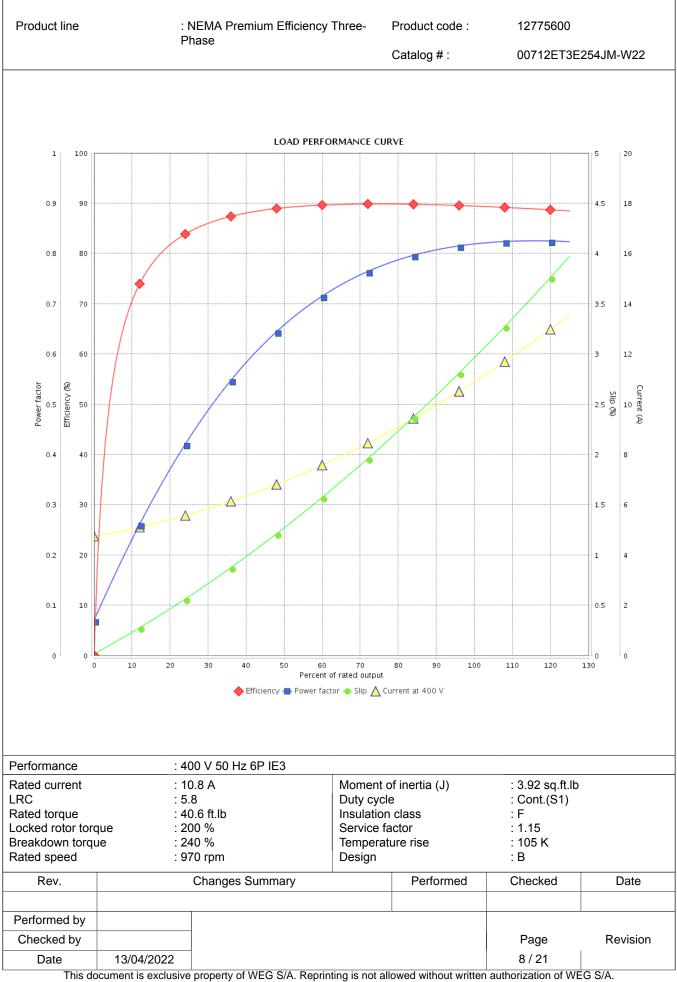
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

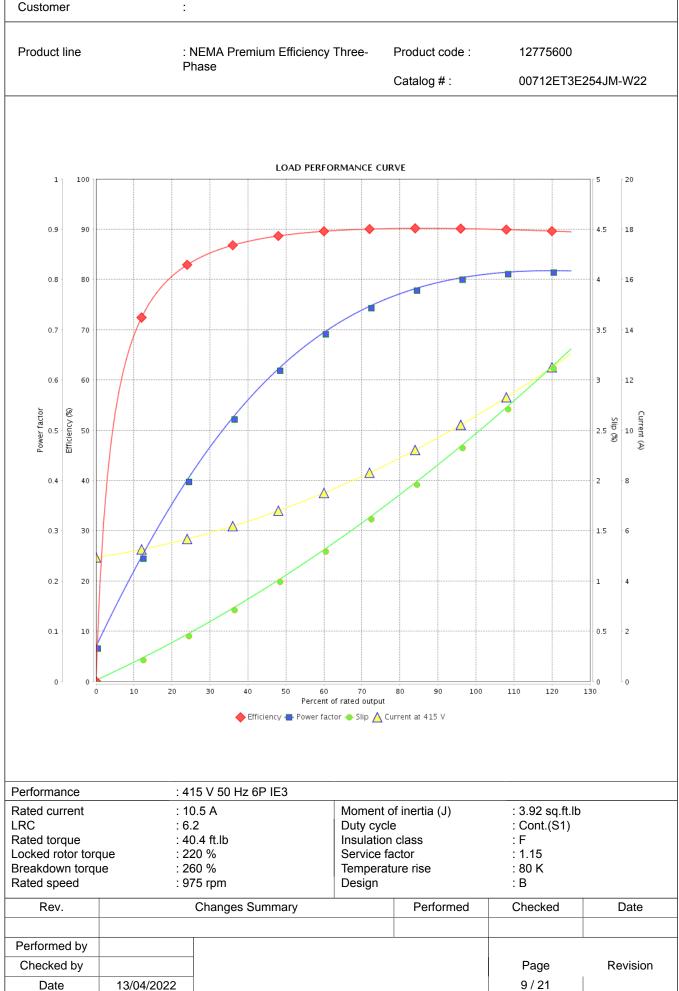


Customer



Three Phase Induction Motor - Squirrel Cage

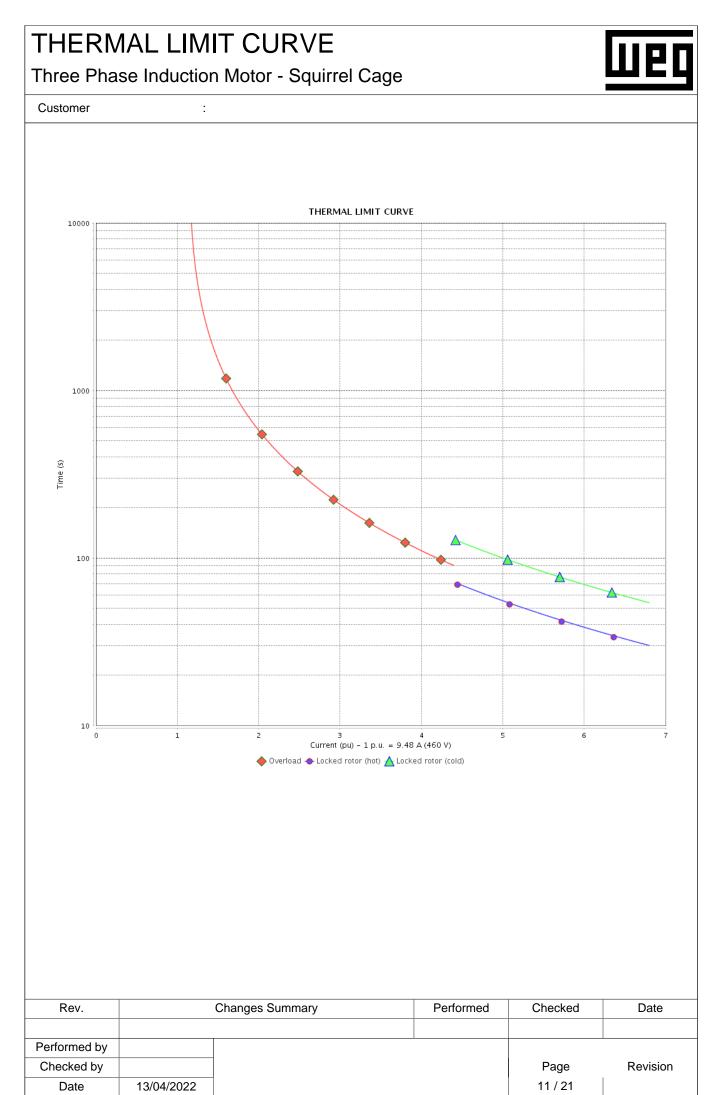
Customer



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

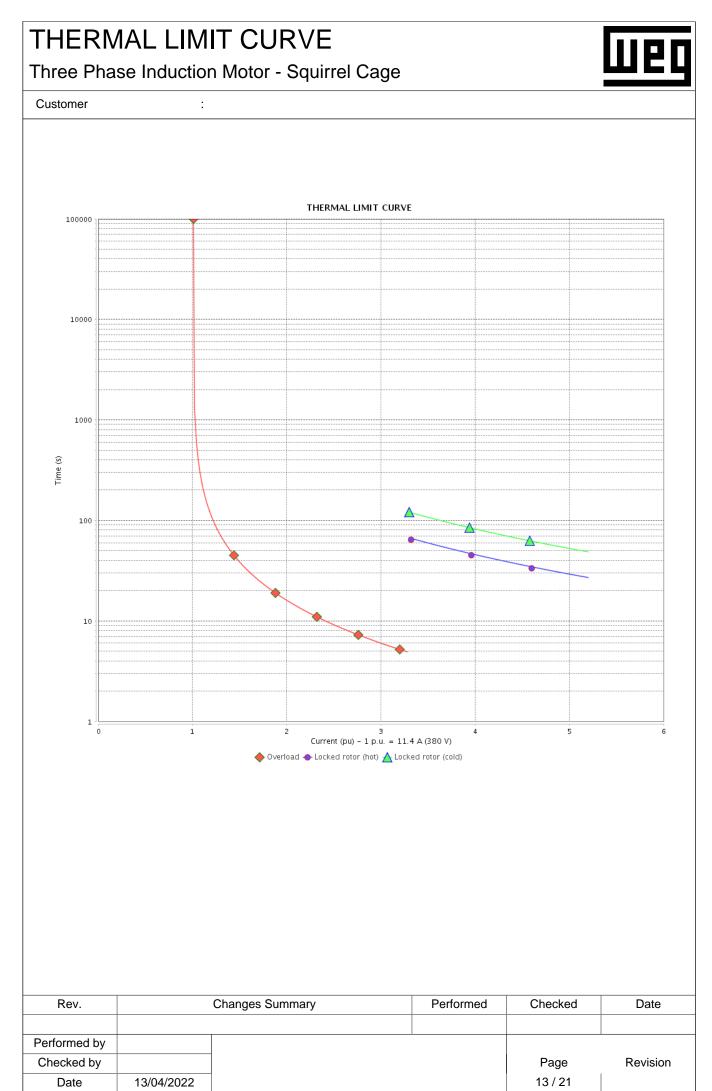
THERMAL	LIMIT CURVE		Шед
Three Phase Ind	luction Motor - Squirrel Cage	;	шец
Customer	:		
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12775600
	1 1.000	Catalog # :	00712ET3E254JM-W22

Performance	::	230/460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	ue :	19.0/9.48 A 6.8 33.5 ft.lb 250 % 300 % 1175 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.92 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B	
Heating constant	t					
Cooling constant	t					
Rev.	Rev. Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				10 / 21	



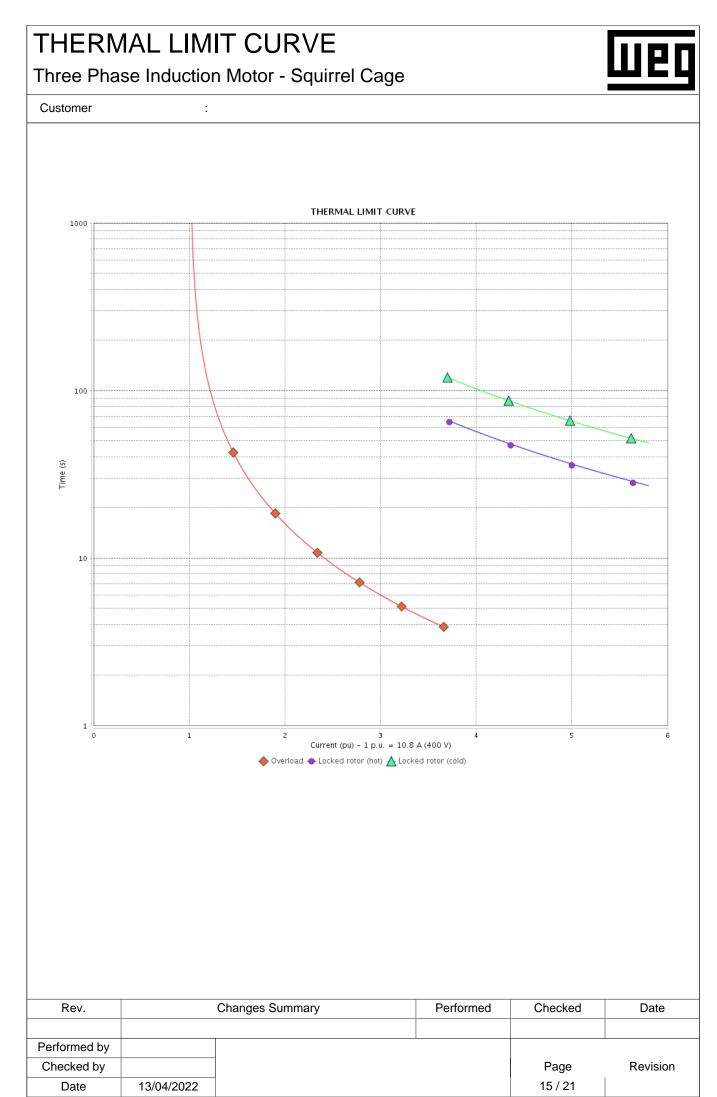
	THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage					
Customer	:					
Product line	: NEMA Premium Efficiency Three- Phase	Product code : Catalog # :	12775600 00712ET3E254JM-W22			

Performance	: 38	80 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 5. : 4(que : 1 ue : 22	1.4 A .2 0.6 ft.lb 70 % 20 % 70 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.92 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B	
Heating constan	t					
Cooling constan	t					
Rev.	Rev. Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022	1			12/21	



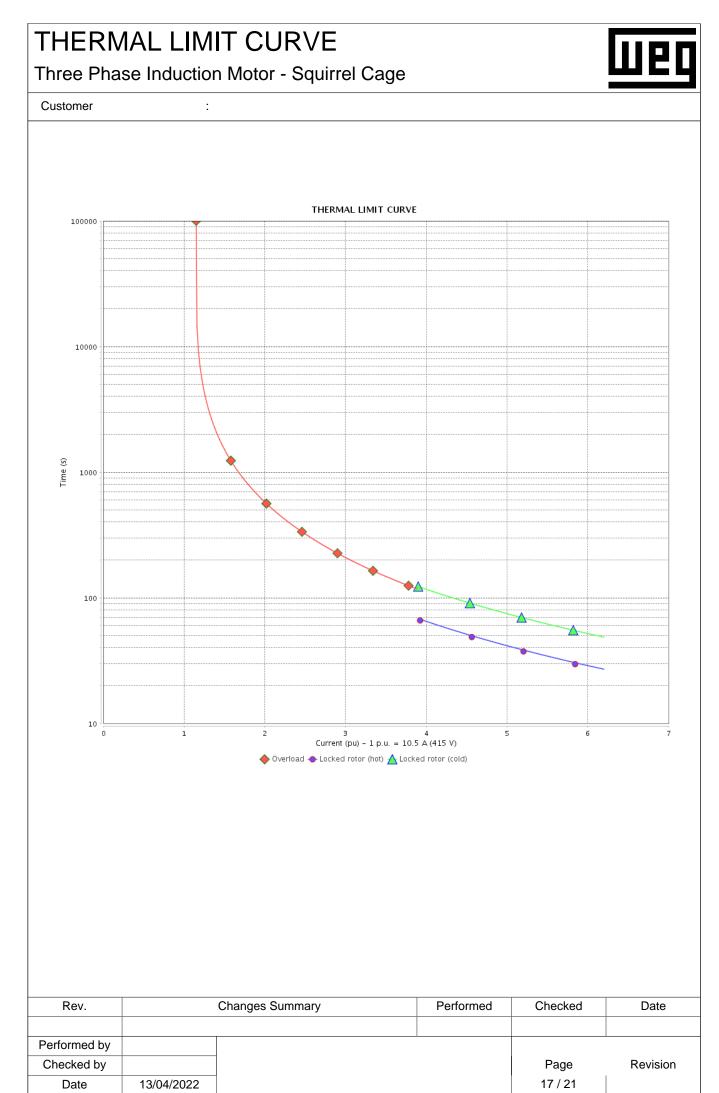
THERMAL L	THERMAL LIMIT CURVE						
Three Phase Indu	uction Motor - Squirrel Cage)	шсч				
Customer	:						
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12775600				
	1 11000	Catalog # :	00712ET3E254JM-W22				

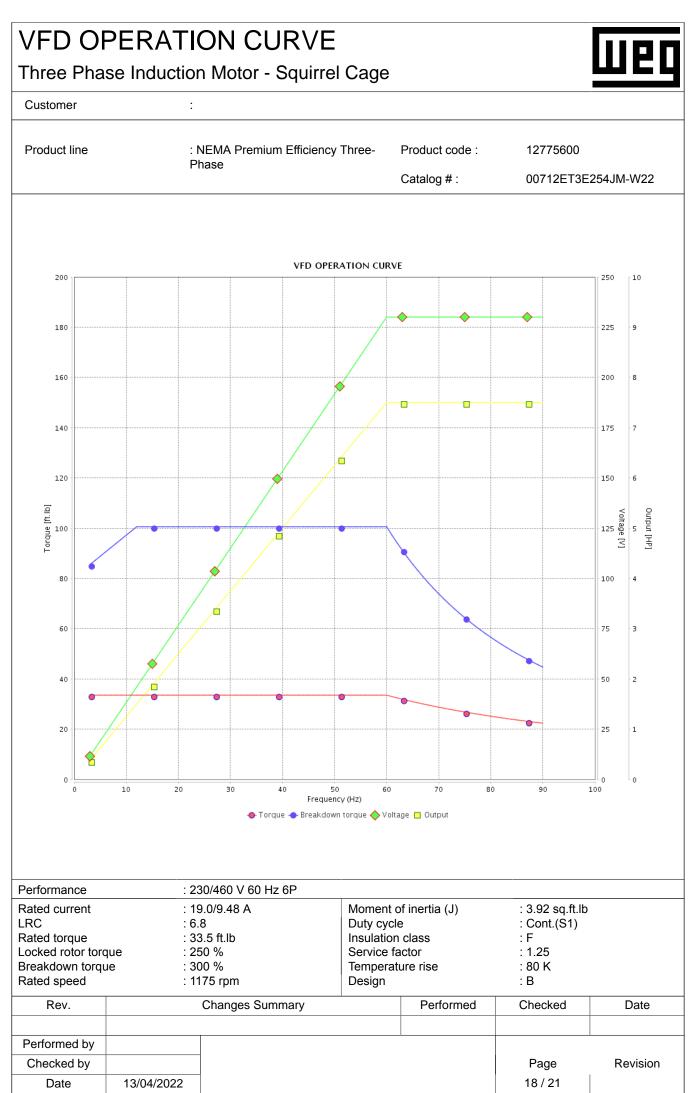
Performance		: 400 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	and	: 10.8 A : 5.8 : 40.6 ft.lb : 200 % : 240 % : 970 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.92 sq.ft.lb : Cont.(S1) : F : 1.15 : 105 K : B	
Heating constan Cooling constan						
Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by Date	13/04/2022				Page 14 / 21	Revision
This do	ocument is exclusion	sive property of WEG S/A. Re	printing is not all	owed without written	authorization of WE	EG S/A.

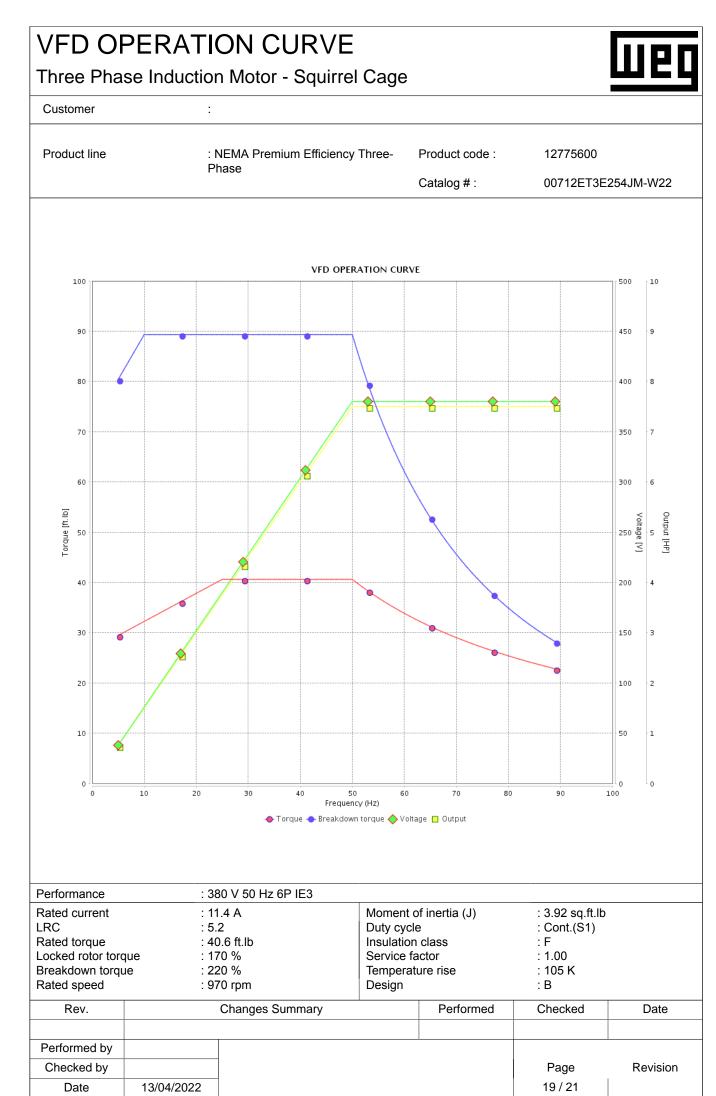


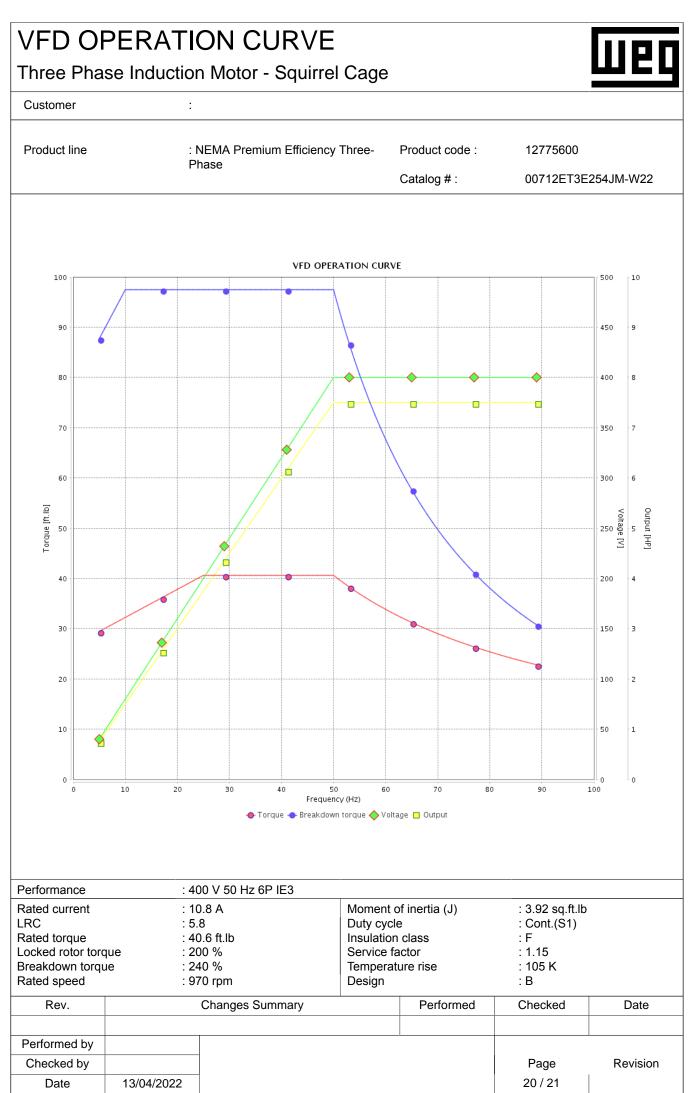
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage					
Customer	:				
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	12775600		
		Catalog # :	00712ET3E254JM-W22		

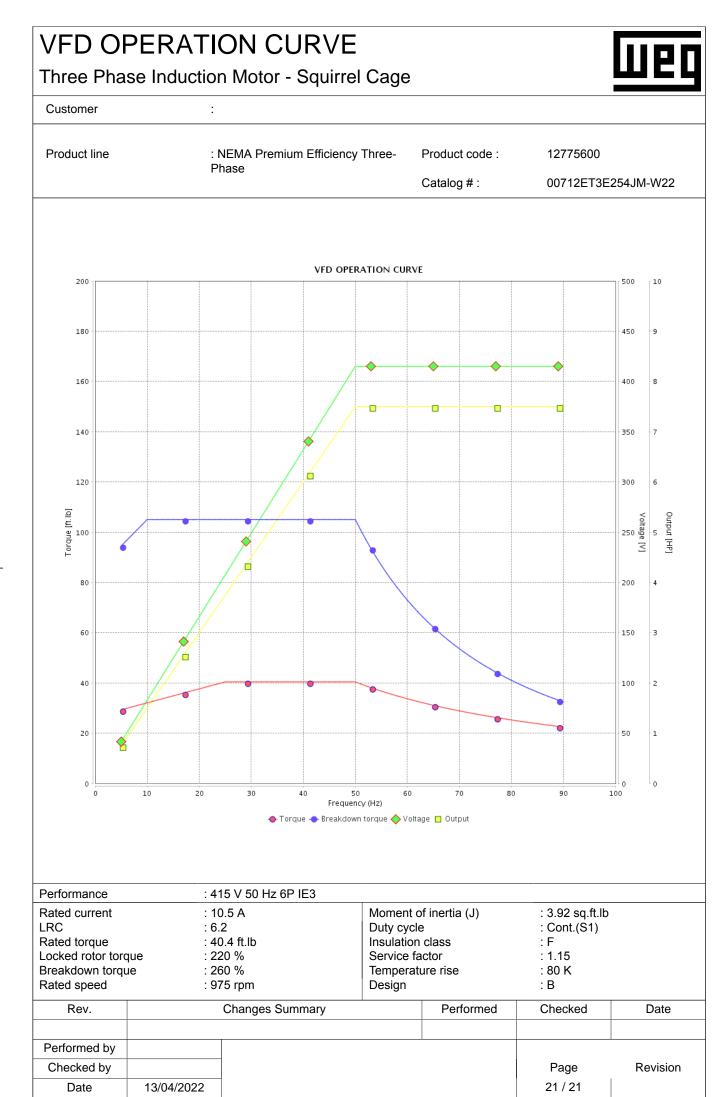
Performance		: 415 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	que	: 10.5 A : 6.2 : 40.4 ft.lb : 220 % : 260 % : 975 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 3.92 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by					Page	Revision
Date	13/04/2022				16 / 21	
This do	ocument is exclus	sive property of WEG S/A. Rep	printing is not all	owed without written	authorization of WE	EG S/A.

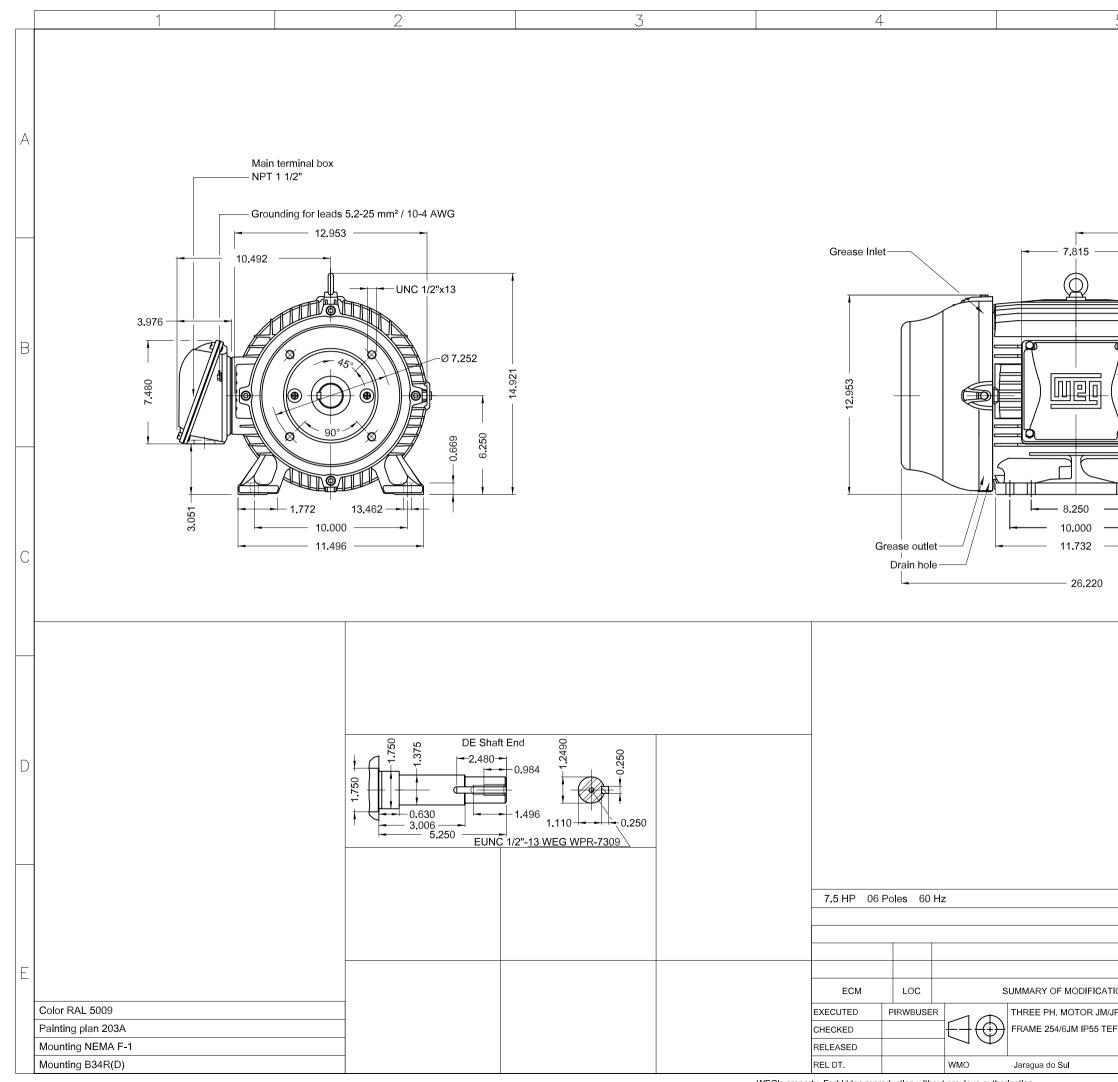












WEG's property. Forbidden reproduction without previous authorization.

5			6			
0			0			
0.050						
- 9 <u>.</u> 252	Greas	e Inlet				
		emiet				
/	/					
\square \square	┪	i	1			
79=						
	ļ					
	-	8.500	8.858			
	H^{-1}	Ø	8 Ø			
			ļ			
	0.040					
4.250 -	0.248	- 5.250	1			
		Grease outlet	,			
	\ \	ا Drain hole				
						ches
						Dimensions in inches
						sions
						Dimer
						_
					A	
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
IP/JET PUMP W22 PF	REM. EFF.	PREVI	E/W			
FC				ШВ		A3
		WDD				
Product	t Engineering	SHEET	1 / 1			XME

	Inverter Duty Motor Severe Duty	CUUS LISTED FOR SAFE AREA MOD.TE1BFOXON	For 60Hz: Class I, Div 2, Gr. A, B, C and D - T3 Class I, Zone 2, IIC - T3 Class II, Zone 2, IIC - T3 Class II, Div 2, Gr. F and G - T4 For 60Hz use on PMW, Gr. A, B, C, D and F, VT 1000:1, CT 20:1, 1.0SF, T3A
DEL 00712ET3E254JM-W22 MADE IN BRAZIL 12775600	PH 3 FR 254/6JM HP(kW) 7.50	(5.5) Hz 60	
T3E254JI L BRA: 5600	v 230/460 🔺 19.0/9.48	RPM 1175 DES B	017 012 013 011 012 013 012 013 011 012 013 011
2ET3E IN E 756	NEMA NOM EFF 91.0 % INS.	сі. Г ∆т 80 к ІР55	△ L2 L3 L1 △ L2 L3 L1 208-230V 460//380V
0071: 127	ENCL TEFC DUTY CONT.	амв. 40°С	
MODEL	CODE H PF 0.80 SF 1.25 SFA	23.8/11.9	
WO	USABLE @208V 21.0 A SF 1.15	5 SFA 24.1	
	7.5HP 5.5kW 50Hz 380V 11.4A 970RP	M SF1.00 EFF 88.5% (IE3)	ALT 1000 m.a.s.l. 298 Lbs