DATA SHEET

Three Phase Induction Motor - Squirrel Cage

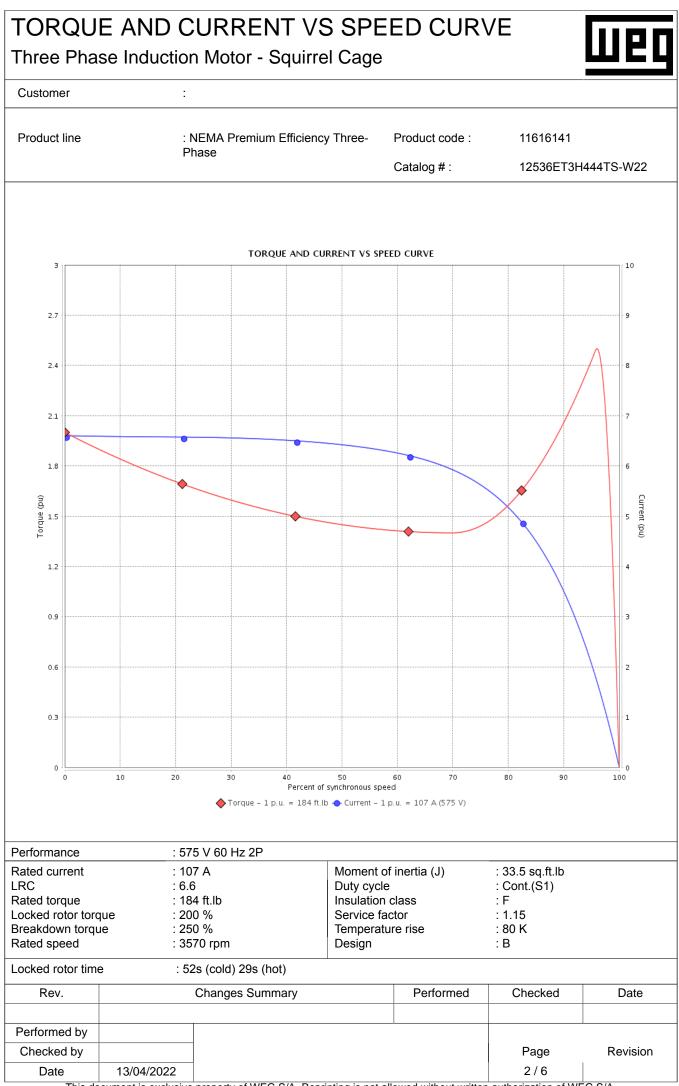
:

Customer

		: NE Phas		m Efficiency 7	Three-	Product code :	11616141	
		T Ha				Catalog # :	12536ET3H	1444TS-W22
Frame			1/5TS		Locked	rotor time	: 52s (cold)) 29s (hot)
Output			5 HP			rature rise	: 80 K	
Poles		: 2			Duty cy		: Cont.(S1)	
Frequency		: 60			Ambier	nt temperature	: -20°C to -	
Rated voltage		: 575			Altitude		: 1000 m.a	.s.l.
Rated current		: 107				ion degree	: IP55	
L. R. Amperes		: 708				g method	: IC411 - T	EFC
LRC			x(Code G)		Mountii		: F-1	
No load current		: 27.			Rotatio			/ and CCW)
Rated speed			70 rpm		Noise I		: 81.0 dB(A	,
Slip		: 0.8				g method	: Direct On	Line
Rated torque			1 ft.lb		Approx	. weight ³	: 1620 lb	
Locked rotor tor		: 200						
Breakdown toro		: 250)%					
Insulation class		: F	-					
Service factor	ic (I)	: 1.1						
Moment of inert	ia (J)	: 33. : B	5 sq.ft.lb					
Design								
Output	25%	50%	75%	100%	Foundatio			
Efficiency (%)	93.0	93.6	94.5	95.0	Max. trac		: 415 lb	
Power Factor	0.59	0.82	0.87	0.89	Max. con	npression	: 2035 lb	
			Driv	e end	1	Non drive end	<u>k</u>	
Bearing type		:	63	14 C3		6314 C3		
Sealing		:	: WSeal			WSeal		
Lubrication inte	rval	:	40	000 h		4000 h		
Lubricant amou	nt	:	:	27 g		27 g		
1 1. 1. 1. 1. 1. 1.				· · ·				
Lubricant type Notes		:		Мо	bil Polyrex	EM		
Notes This revision rep		: cancel the	previous c		These a	re average values	based on tests w	
Notes	ed. notor from t 1m and witi weight subj rocess.	the shaft h tolerand	end. ce of +3dB(one, which A).	These a	re average values	based on tests w	
Notes This revision rep nust be eliminat 1) Looking the r 2) Measured at 3) Approximate nanufacturing p	ed. notor from t 1m and witi weight subj rocess.	the shaft h tolerand ject to ch	end. ce of +3dB(one, which A).	These and power su	re average values		
Notes Notes Fhis revision rep nust be eliminat 1) Looking the r 2) Measured at 3) Approximate nanufacturing p 4) At 100% of fu Rev.	ed. notor from t 1m and witi weight subj rocess.	the shaft h tolerand ject to ch	end. ce of +3dB(anges after	one, which A).	These and power su	re average values	ne tolerances stipu	ulated in NEMA
Notes This revision rep nust be eliminat 1) Looking the r 2) Measured at 3) Approximate nanufacturing p 4) At 100% of fu	ed. notor from t 1m and witi weight subj rocess.	the shaft h tolerand ject to ch	end. ce of +3dB(anges after	one, which A).	These and power su	re average values	ne tolerances stipu	ulated in NEMA
Notes Notes Fhis revision rep nust be eliminat 1) Looking the r 2) Measured at 3) Approximate nanufacturing p 4) At 100% of fu Rev.	ed. notor from t 1m and witi weight subj rocess.	the shaft h tolerand ject to ch	end. ce of +3dB(anges after	one, which A).	These and power su	re average values	ne tolerances stipu	ulated in NEMA

Шед

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

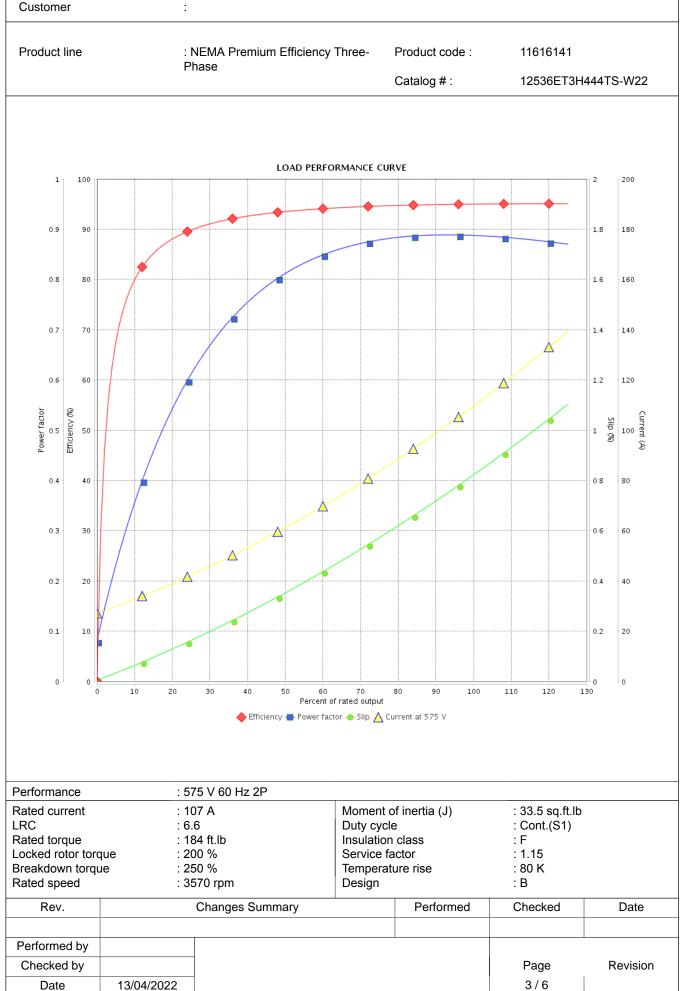


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

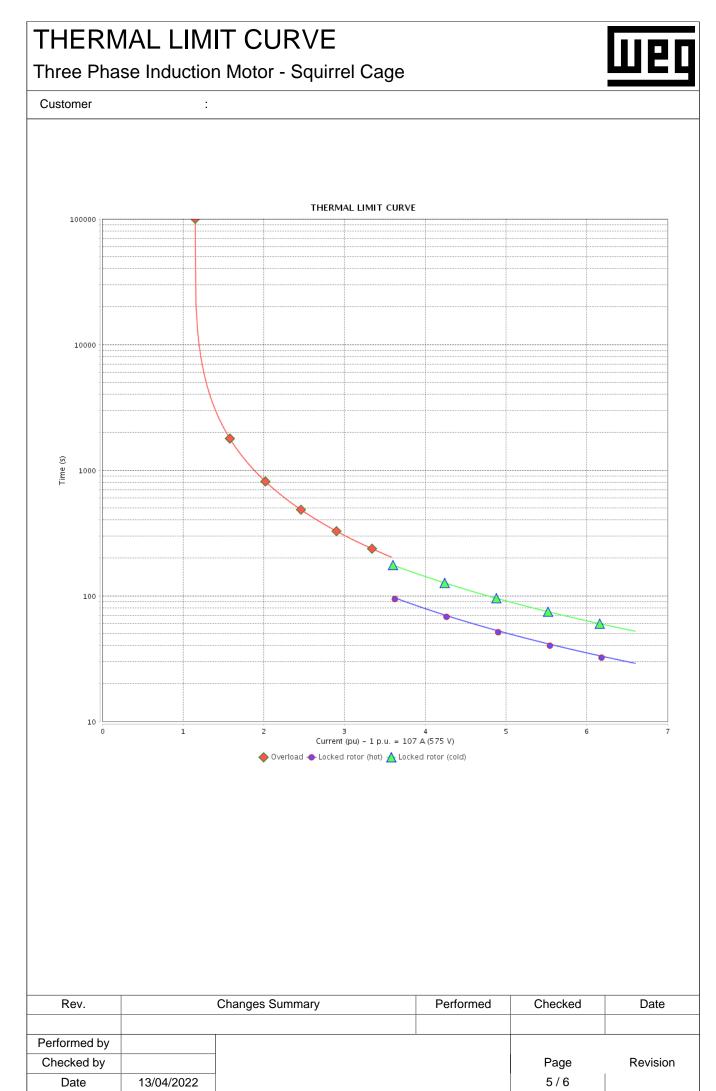
Customer



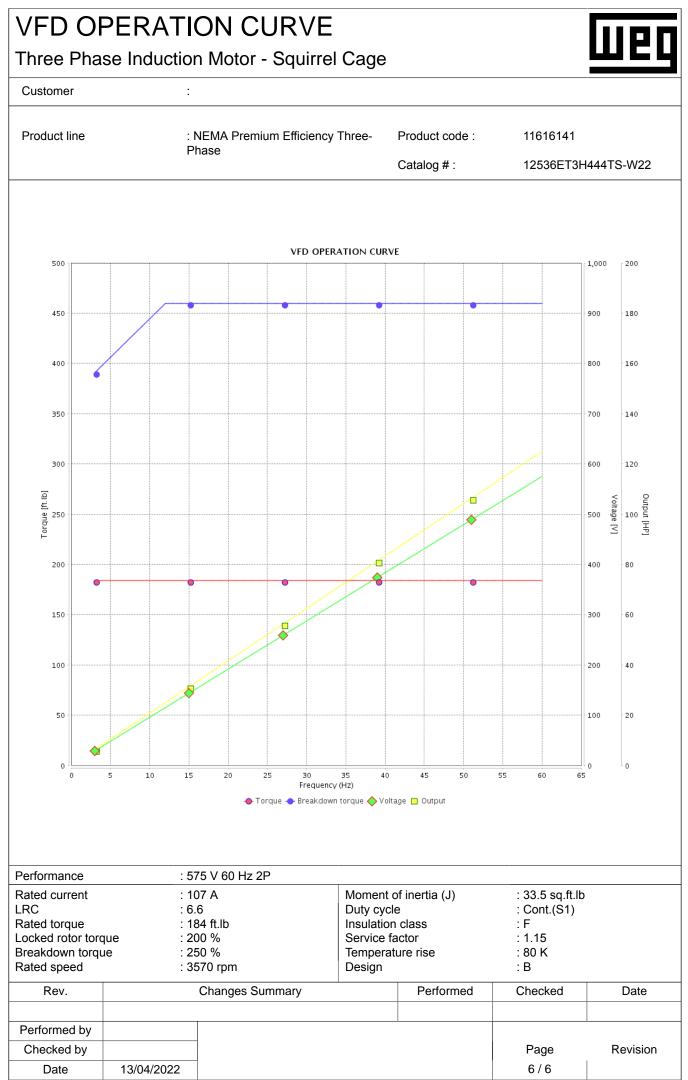
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

THERMAL LIMIT CURVE						
Three Phase Induct	tion Motor - Squirrel Cage		шсц			
Customer	:					
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	11616141			
		Catalog # :	12536ET3H444TS-W22			

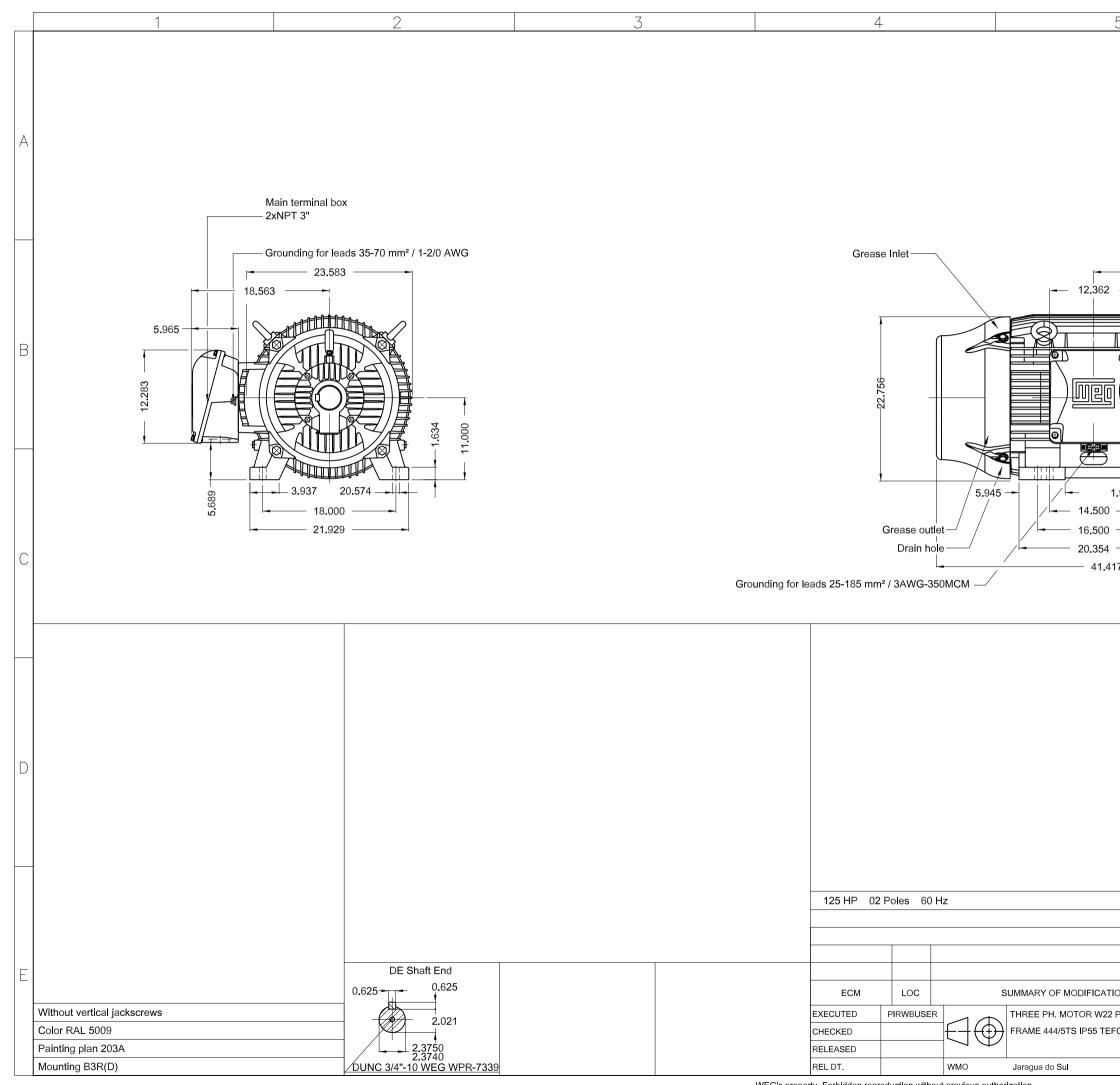
Performance	:	: 575 V 60 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 107 A : 6.6 : 184 ft.lb : 200 % : 250 % : 3570 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 33.5 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				4 / 6	
This do	cument is exclus	sive property of WEG S/A. Reprin	ting is not allo	owed without written	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



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



WEG's property. Forbidden reproduction without previous authorization.

5			6		
15 7 10	0				
	- Gre	ease Inlet			
_					
	/				
	۰. ۱۰۰۰ - ۱۰۰	- 3.000			
		3.000			
	r				
╤═╤╂╢					
1.929					
7.500	<u>`</u> ⊢ -	-4.750			
		-Grease outlet -Drain hole			
17		- Drain noie			
					les
					in incl
					sions
					Dimensions in inches
					Α
					+
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER
PREM. EFF.				·	
FC		PREVI		110	A3
		WDD		<u>шс</u>	
Product	Engineering	SHEET	1 / 1		XME

