DATA SHEET

Three Phase Induction Motor - Squirrel Cage

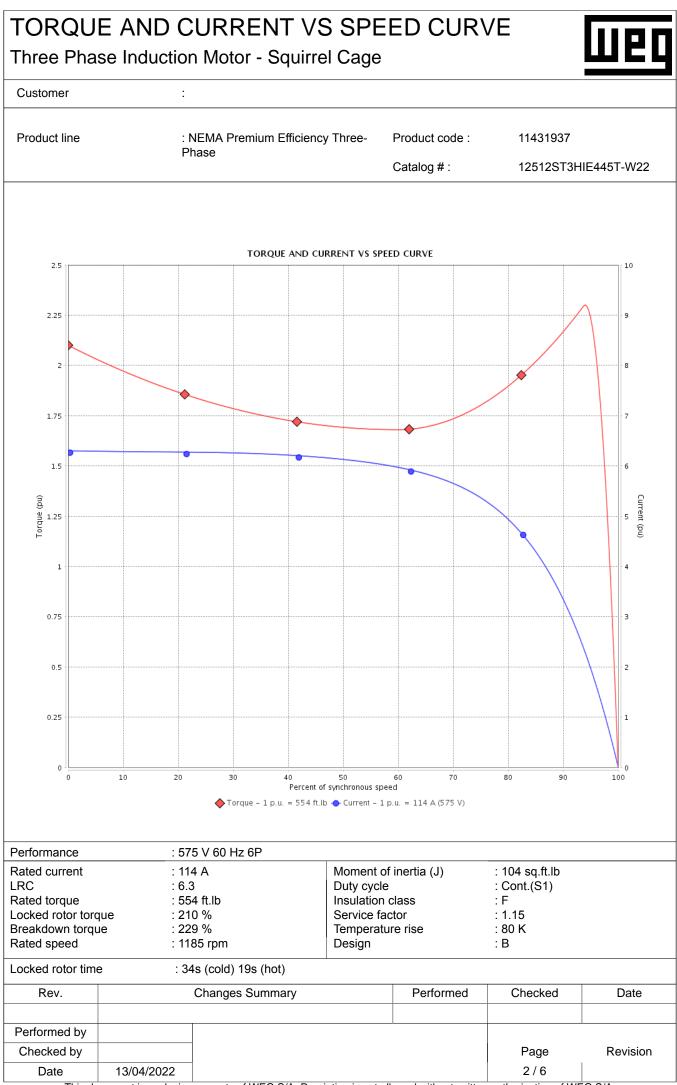
:

Customer

		: NEMA Premium Efficiency Three- Product code : Phase				11431937		
						Catalog # :	12512ST3F	HE445T-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torqu Insulation class Service factor Moment of inerti Design	ue	: 40.0 : 118 : 1.25 : 554 : 210 : 229 : F : 1.15	HP Hz V A (Code G) A 5 rpm 5 % ft.lb % %		Temper Duty cy Ambien Altitude Protecti Cooling Mountir Rotation Noise le Starting	t temperature on degree method ng n ¹	: 34s (cold : 80 K : Cont.(S1) : -20°C to - : 1000 m.a : IP55 : IC411 - T : F-1 : Both (CW : 69.0 dB(A : Direct On : 1837 lb) +40°C s.l. EFC / and CCW) A)
Output	25%	50%	75%	100%	Foundatio	n loads		
Efficiency (%)	95.2	95.0	95.4	95.0	Max. trac		: 2478 lb	
Power Factor	95.2 0.46	95.0 0.70	95.4 0.79	95.0 0.83	Max. trac		: 4315 lb	
Lubrication inter Lubricant amour Lubricant type		• • •		000 h 45 g Mo	bil Polyrex	16000 h 34 g EM		
This revision repl must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr	ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc	nd. e of +3dB(A).		•	s based on tests w he tolerances stipu	
This revision rep must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(A).	power su	•		
This revision repl must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(inges after	A).	power su	pply, subject to t	he tolerances stip	ulated in NEM
This revision repl must be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(inges after	A).	power su	pply, subject to t	he tolerances stip	ulated in NEM
This revision rep nust be eliminate (1) Looking the n (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	ed. notor from 1m and wit weight sub rocess.	the shaft e th toleranc ject to cha	nd. e of +3dB(inges after	A).	power su	pply, subject to t	he tolerances stip	ulated in NEM

шер

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

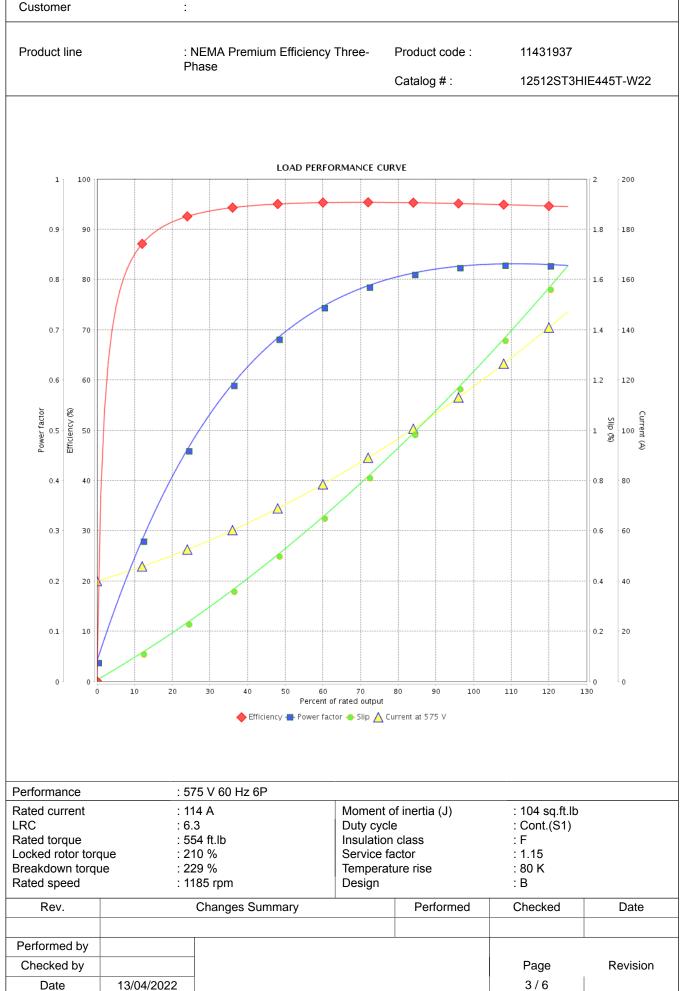


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

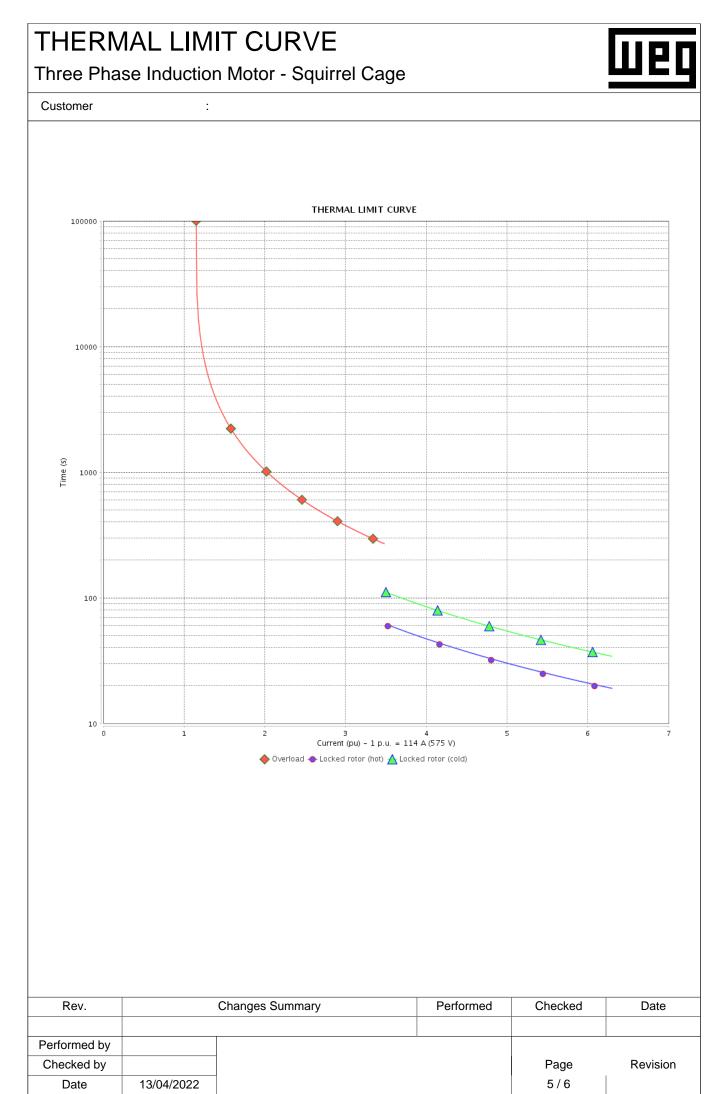
Customer



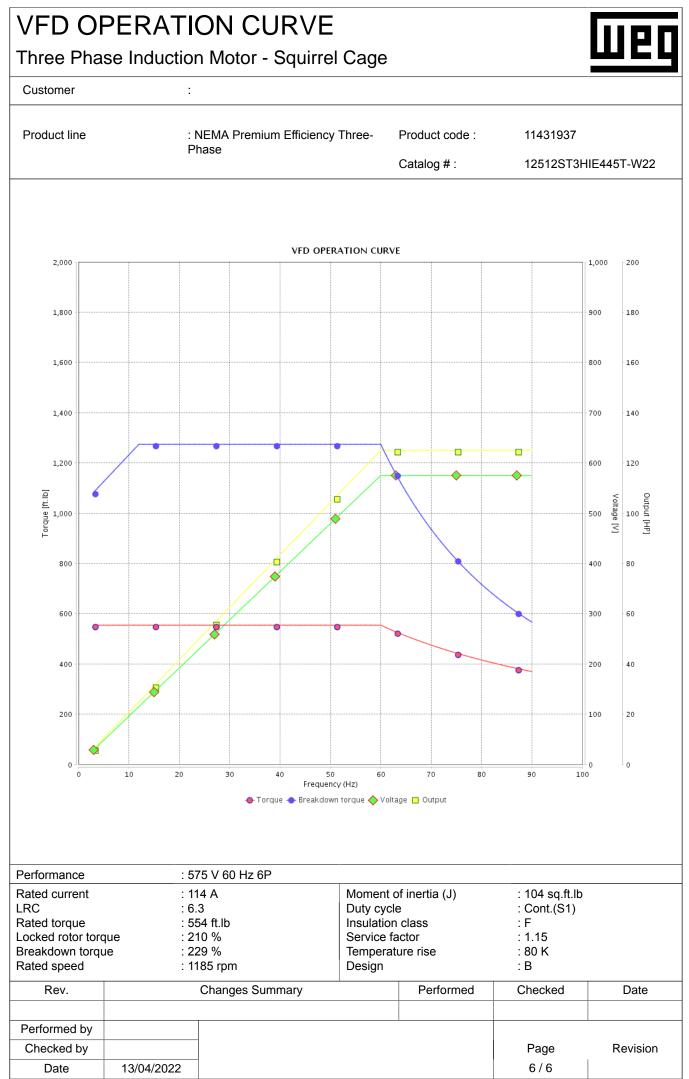
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

THERMAL LIMIT CURVE						
Three Phase Ind	uction Motor - Squirrel Cage)	шсч			
Customer	:					
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	11431937			
	Thuộc	Catalog # :	12512ST3HIE445T-W22			

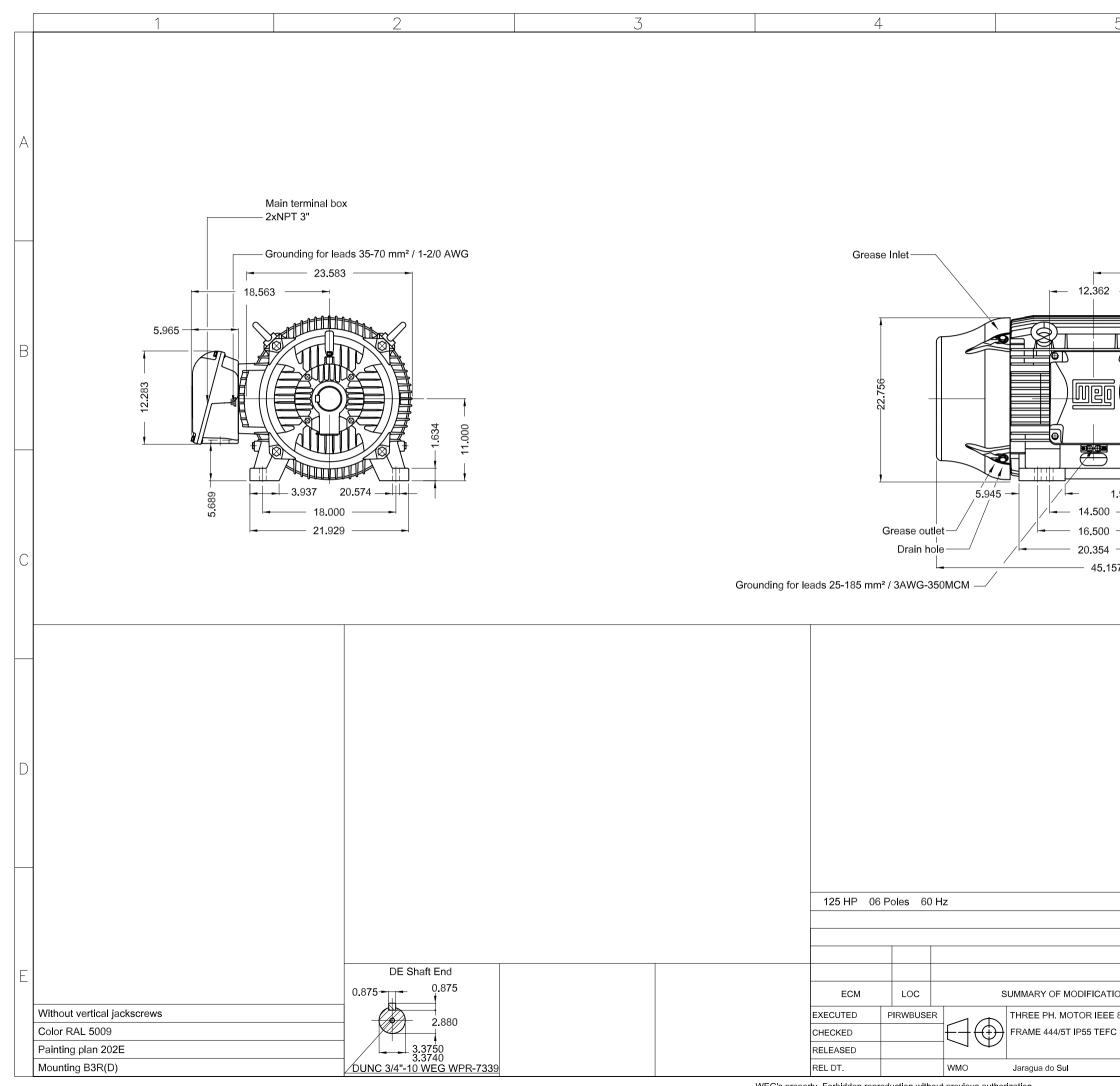
Performance	:	: 575 V 60 Hz 6P					
Rated current LRC	RC : 6.3		Moment of inertia (J) Duty cycle Insulation class		: 104 sq.ft.lb : Cont.(S1)		
Rated torque					:F		
_ocked rotor torque : 210 %		Service factor		: 1.15			
Breakdown torque : 22		: 229 %	Temperature rise		: 80 K		
Rated speed	:	: 1185 rpm	Design		: B		
Heating constant	t						
Cooling constant	t						
Rev.		Changes Summary		Performed		Date	
		1					
Performed by							
Checked by					Page	Revision	
Date	13/04/2022				4 / 6		
This do	cument is exclus	ve property of WEG S/A. Re	printing is not all	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. Subject to change without notice



WEG's property. Forbidden reproduction without previous authorization.

5			6			
— 15.748 ——		ease Inlet				
	h	- 7.087				
'∖ ॑ <u></u>						
1.929 \		0 500				
7.500-		- 8.500				
		-Grease outlet -Drain hole				
57 ———		Diaminolo				
						es
						inche
						ns in
						Dimensions in inches
						Din
					A	
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
841 W22 PREM. EF	F	PREV	EW			
C				1118		A3
Droduc	t Engineering	WDD SHEET	1 / 1	ها الدر		XME
rioduc	. Engineering		· / '			×

