DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



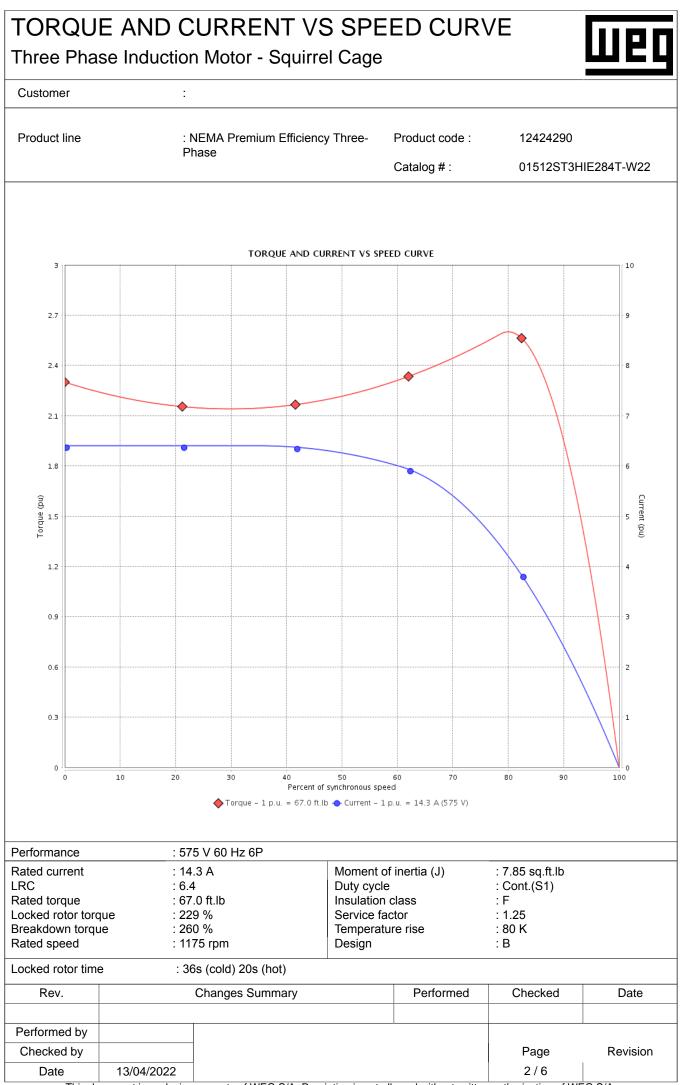
Product line		: NEMA Premium Efficiency Three- Product code : Phase			12424290	
				Catalog # :	01512ST3H	IE284T-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor toro Breakdown torqu Insulation class Service factor Moment of inerti Design	que ue ia (J)	: 284/6T : 15 HP (11 kW) : 6 : 60 Hz : 575 V : 14.3 A : 91.6 A : 6.4x(Code G) : 5.60 A : 1175 rpm : 2.08 % : 67.0 ft.lb : 229 % : 260 % : F : 1.25 : 7.85 sq.ft.lb : B	Temper Duty cy Ambier Altitude Protect Cooling Mountin Rotatio Noise I Starting	nt temperature e ion degree g method ng n ¹	: 36s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a. : IP55 : IC411 - TI : F-1 : Both (CW : 59.0 dB(A : Direct On : 412 lb	40°C s.l. EFC and CCW)
Output	50%	75% 100%	Foundation	on loads		
Efficiency (%) Power Factor	91.0 0.69	91.7 91.7 0.80 0.84	Max. trac	tion pression	: 554 lb : 966 lb	
Bearing type Sealing Lubrication inter Lubricant amour Lubricant type Notes		Inpro/Seal 20000 h 18 g Ma	obil Polyrex	Inpro/Seal 20000 h 11 g EM		
 This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. 			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.			
Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by Date	13/04/2022				Page 1 / 6	Revision
		a property of WEC S/A Beprin				

Ше

 e
 13/04/2022
 1 / 6

 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

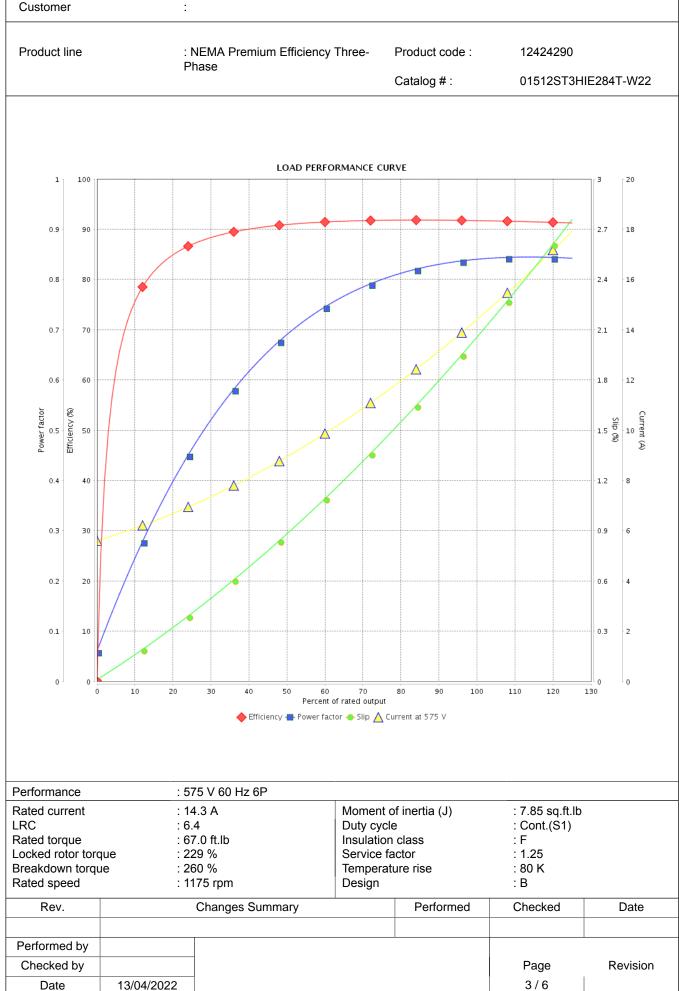


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

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.

Subject to change without notice

THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage						
Customer	:					
Product line	: NEMA Premium Efficiency Tł Phase	hree- Product code : Catalog # :	12424290 01512ST3HIE284T-W22			
Derformer						
Performance Rated current	: 575 V 60 Hz 6P : 14.3 A	Moment of inertia (J)	: 7.85 sq.ft.lb			
LRC		Duty cycle	: Cont.(S1)			
Rated torque	: 67.0 ft.lb	Insulation class	: F			
Locked rotor torque Breakdown torque		Service factor Temperature rise	: 1.25 : 80 K			
Rated speed		Design	: B			

Performed by				
Checked by			Page	Revision
Date	13/04/2022		4 / 6	
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		

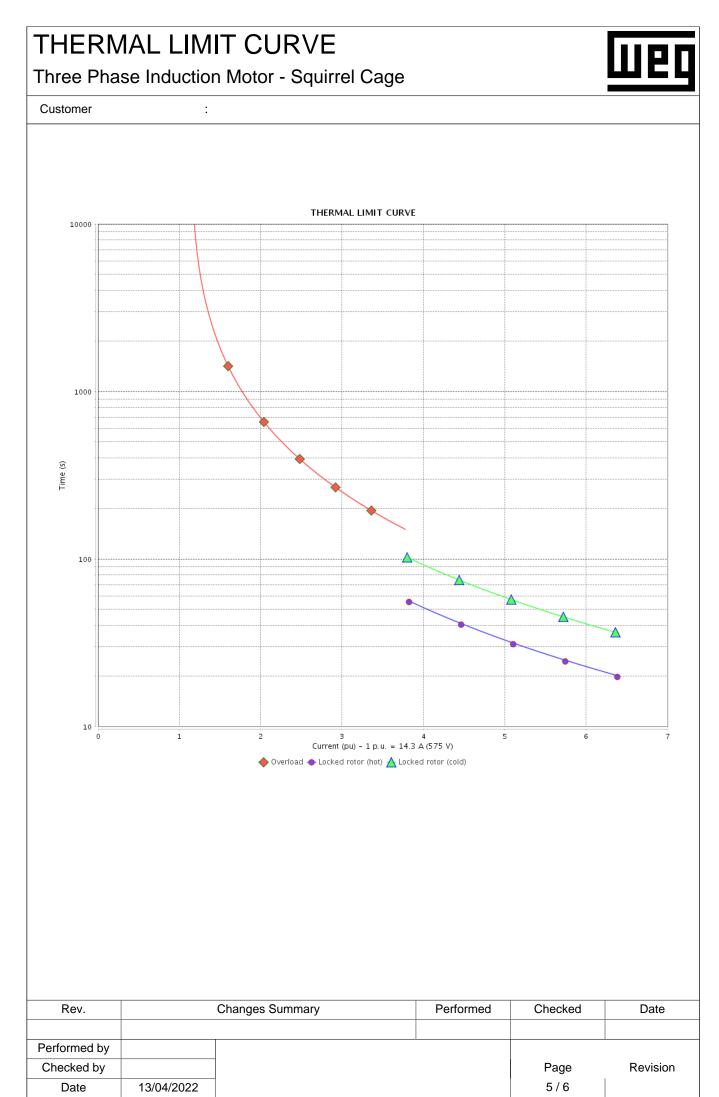
Performed

Checked

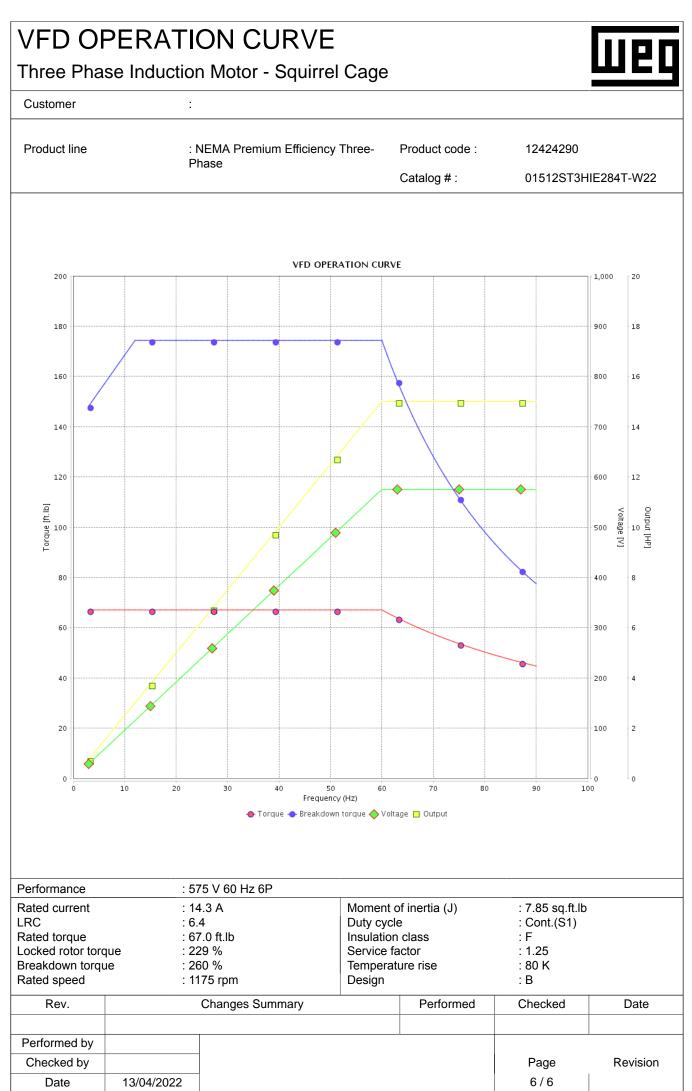
Date

Changes Summary

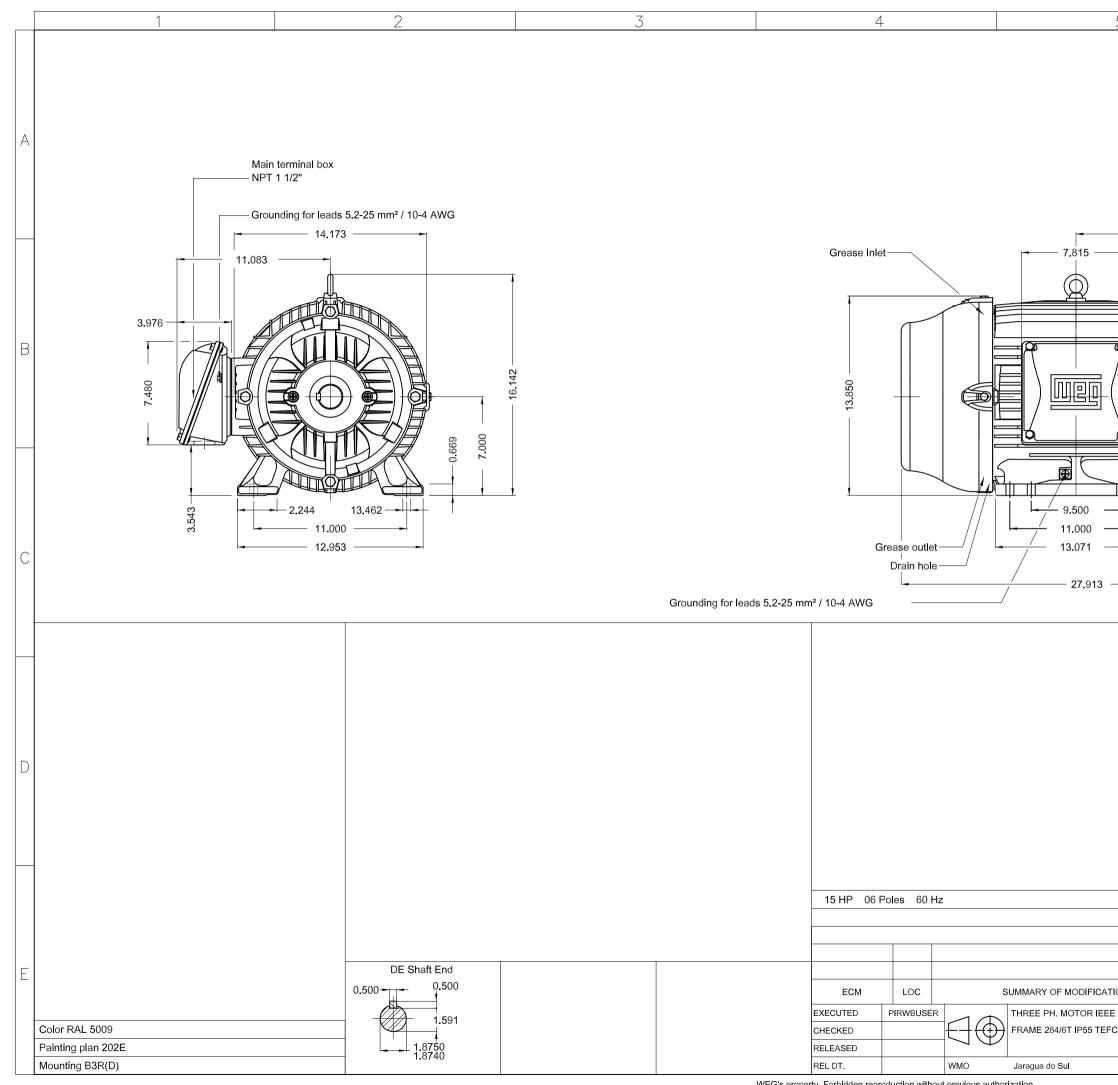
Heating constant Cooling constant Rev.



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			
- 10.256	Croo	se Inlet				
	Great	se miet				
79=						
		3.543				
∖╞╧╢┰╶╴╟╴						
= ↓ ∅						
4.750	<u> </u>	4.622				
		Grease outlet				
		Drain hole				
						ŝ
						Dimensions in inches
						ons in
						nensi
						Di
					A	
					+	
IONS EX	ECUTED	CHECKED	RELEASED	DATE	VER	
E 841 W22 PREM. EFF.			l			
C		PREV		ШВ		A3
		WDD		ШВ	4	
Product Eng	ineering	SHEET	1 / 1			XME

