DATA SHEET

Three Phase Induction Motor - Squirrel Cage

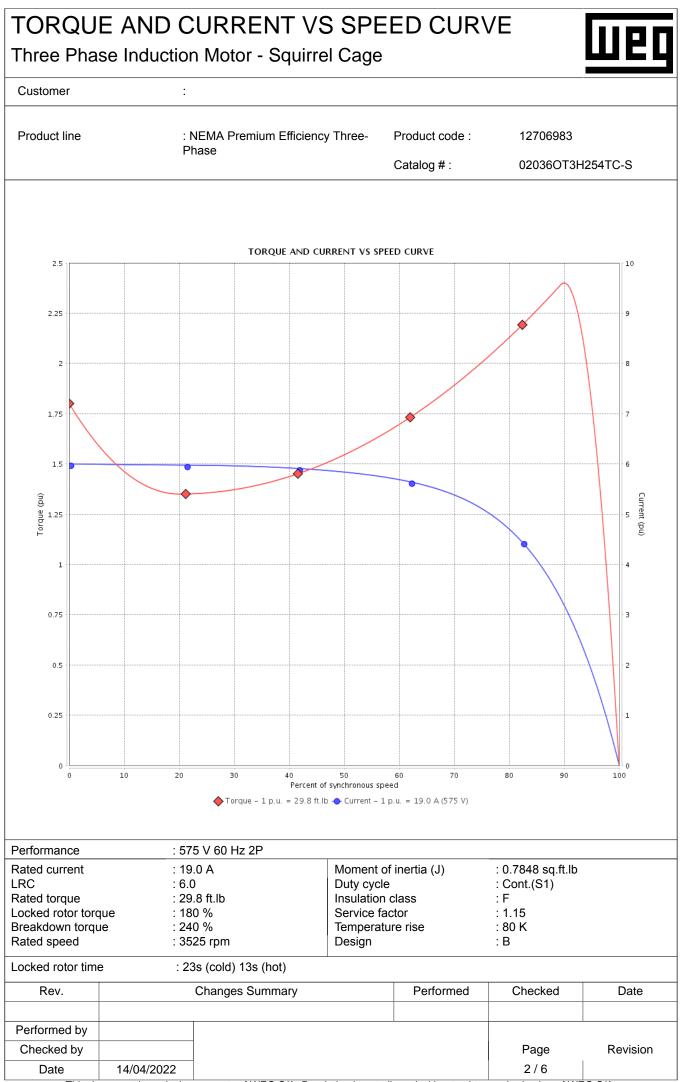
:



		: NEMA Premium Efficiency Th Phase		hree- Product code	: 1270698	12706983	
		1 11050		Catalog # :	0203607	Г3H254TC-S	
Frame		: 254/6TC		Locked rotor time		old) 13s (hot)	
Output		: 20 HP (1	5 kW)	Temperature rise	: 80 K		
Poles		: 2		Duty cycle	: Cont.(S		
Frequency		: 60 Hz		Ambient temperature	e :-20°C t	to +40°C	
Rated voltage		: 575 V		Altitude	: 1000 n	n.a.s.l.	
Rated current		: 19.0 A		Cooling method	: IC01 -	ODP	
L. R. Amperes		: 114 A		Mounting	: F-1		
LRC		: 6.0x(Cod	e G)	Rotation ¹	: Both ((CW and CCW)	
No load current		: 6.80 A		Noise level ²	: 70.0 dl		
Rated speed		: 3525 rpm	n	Starting method	: Direct		
Slip		: 2.08 %	•	Approx. weight ³	: 179 lb		
Rated torque		: 29.8 ft.lb		Approx. Weight	. 17010		
Locked rotor tor		: 180 %					
Breakdown torqu	le	: 240 %					
Insulation class		: F					
Service factor		: 1.15					
Moment of inertia	a (J)	: 0.7848 se	q.ft.lb				
Design		: B					
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	90.2	91.0	91.0	Max. traction	: 253 lb		
Power Factor	0.76	0.83	0.87	Max. compression	: 432 lb		
				Non drive			
Destination			Drive end	Non drive			
Bearing type		:	6309 Z C3	6208 Z			
Sealing		· ///it	hout Bearing Seal	Without Rea	aring Seal		
Lubrication interv		:	20000 h	2000	0 h		
Lubrication inter- Lubricant amour			20000 h 13 g	2000(8 g	0 h		
Lubrication interv		: : :	20000 h 13 g	2000	0 h		
Lubrication inter- Lubricant amoun Lubricant type	aces and ca	:	20000 h 13 g Mo	2000(8 g	0 h I		
Lubrication inter- Lubricant amour Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and ca ed. notor from the Im and with weight subjection occess.	ancel the previ tolerance of + ect to changes	20000 h 13 g Mol ous one, which -3dB(A). after	2000 8 g bil Polyrex EM These are average va power supply, subject MG-1.	lues based on tests to the tolerances si	tipulated in NEMA	
Lubrication inter- Lubricant amour Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at ((3) Approximate v manufacturing pro-	aces and ca ed. notor from the Im and with weight subjection occess.	ancel the previ tolerance of + ect to changes	20000 h 13 g Mol	2000 8 g bil Polyrex EM	lues based on tests to the tolerances si		
Lubrication inter- Lubricant amour Lubricant type Notes This revision repl nust be eliminate (1) Looking the m (2) Measured at (1) (3) Approximate v manufacturing pro- (4) At 100% of ful Rev.	aces and ca ed. notor from the Im and with weight subjection occess.	ancel the previ tolerance of + ect to changes	20000 h 13 g Mol ous one, which -3dB(A). after	2000 8 g bil Polyrex EM These are average va power supply, subject MG-1.	lues based on tests to the tolerances si	tipulated in NEM	
Lubrication interv Lubricant amour Lubricant type Notes This revision repl must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and ca ed. notor from the Im and with weight subjection occess.	ancel the previ tolerance of + ect to changes	20000 h 13 g Mol ous one, which -3dB(A). after	2000 8 g bil Polyrex EM These are average va power supply, subject MG-1.	lues based on tests to the tolerances si	tipulated in NEM	

Шер

Subject to change without notice

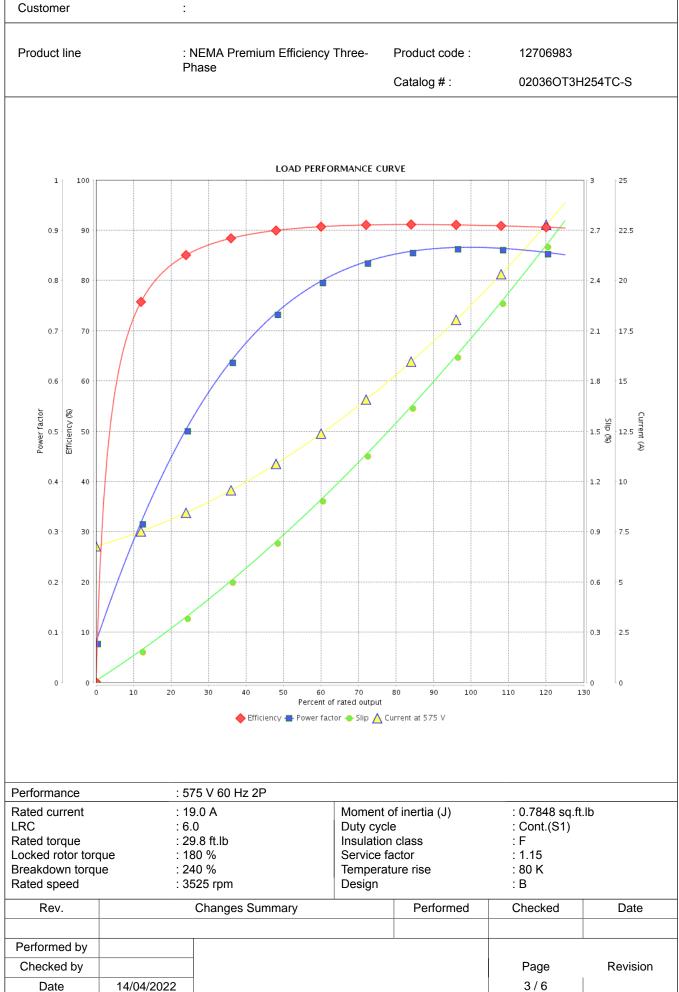


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

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

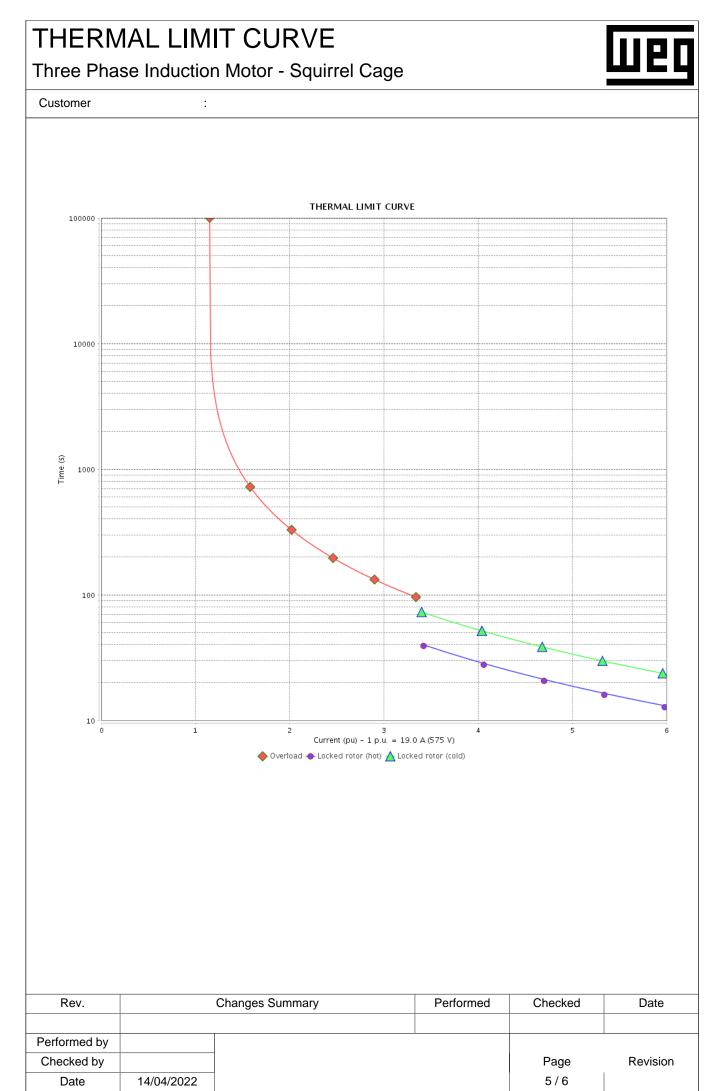
THERM	IAL LIM	IT CURVE				шед
Three Pha	se Inductio	n Motor - Squirrel	Cage			шсц
Customer	:					
Product line		: NEMA Premium Efficiency ⁻ Phase	Three- Product code :		12706983 02036OT3H254TC-S	
		Thate		Catalog # :		
Performance						
		75 V 60 Hz 2P	Momento	f inertia (J)	: 0.7848 sq.ft	lh
Rated current: 19.0 ALRC: 6.0Rated torque: 29.8 ft.lbLocked rotor torque: 180 %Breakdown torque: 240 %Rated speed: 3525 rpm		.0 9.8 ft.lb 80 % 40 %	Duty cycle Insulation class Service factor Temperature rise Design		: 0.7848 Sq.it : Cont.(S1) : F : 1.15 : 80 K : B	UU
Heating constant						
Cooling constant Rev.		Changes Summary		Performed	Checked	Date
rtev.		Changes Summary		renomea	Checked	Dale
Performed by Checked by		-			Page	Revision

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

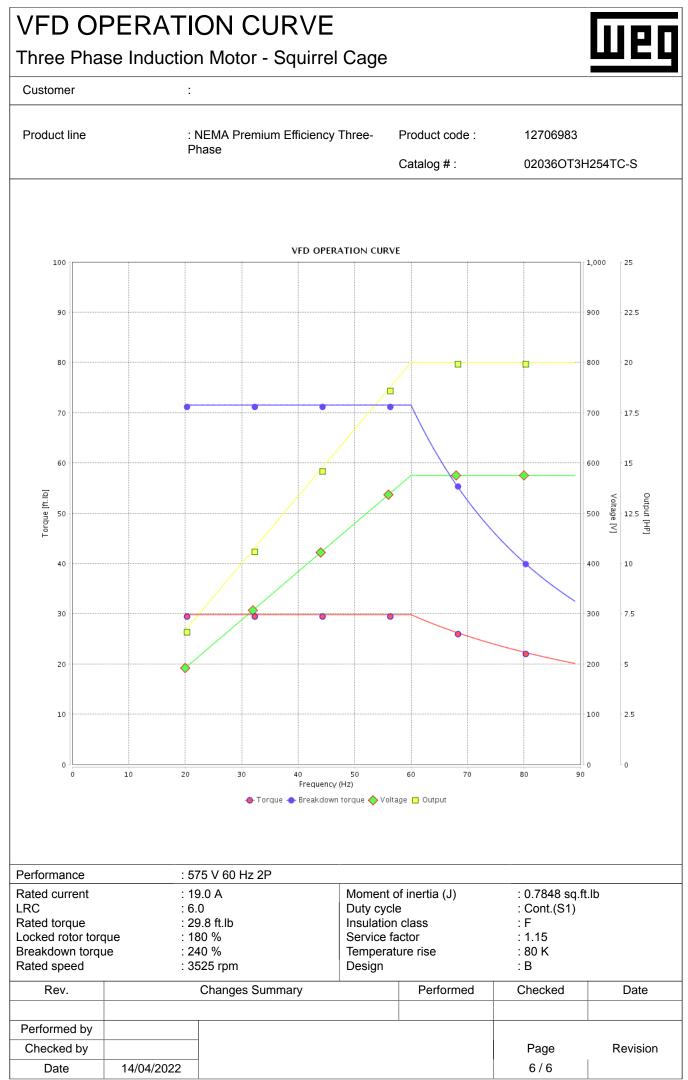
4/6

Date

14/04/2022

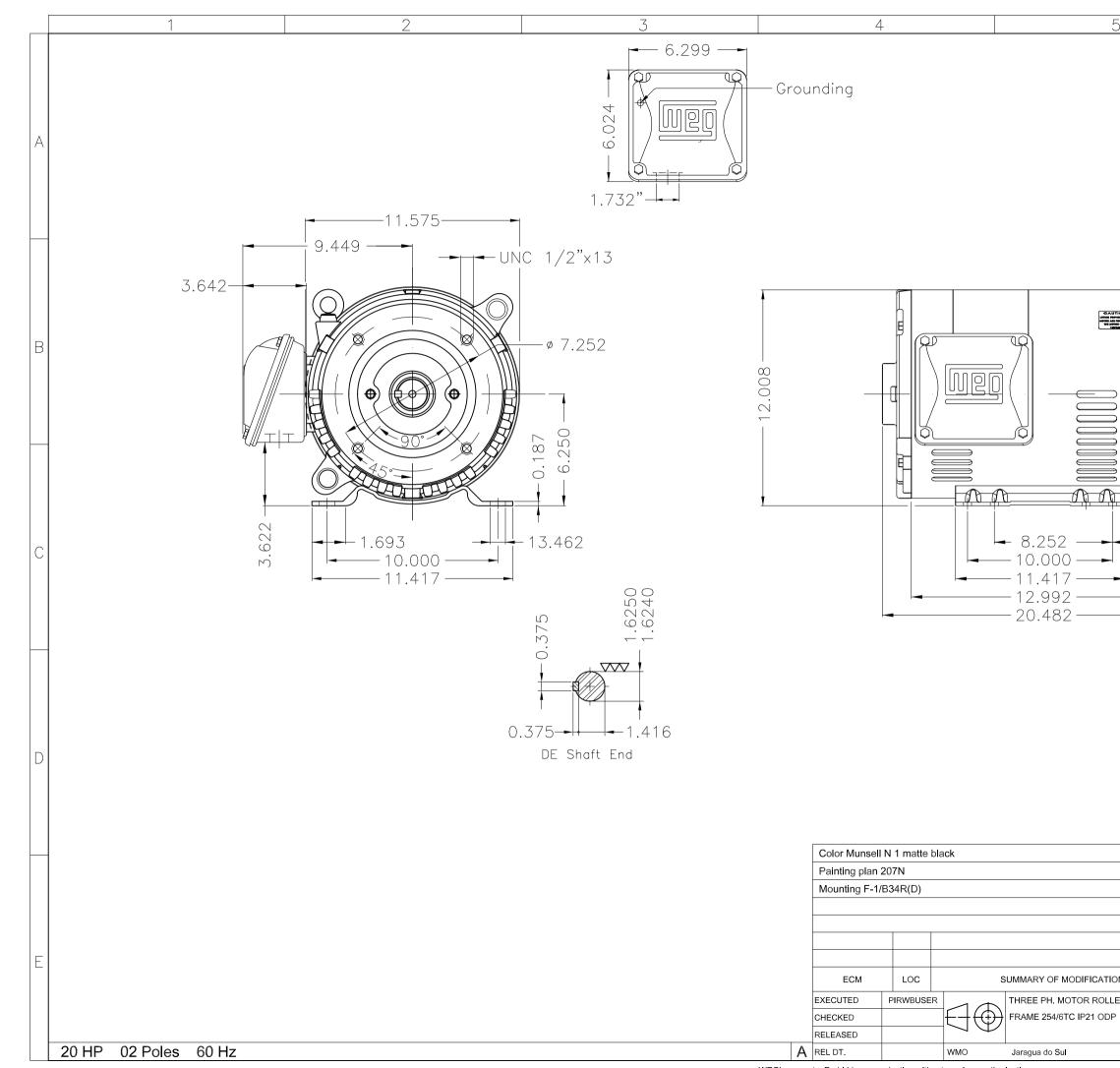


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice



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		
		- 3.750 - 2.756	8.500	8.858	
		_	Ø 00 00	00 00 00	
4.750	- 0.25	 0 4.000			
		-			
					Dimensions in inches
IONS	EXECUTED	CHECKED	RELEASED	DATE	VER
LED STEEL PREM. E	FF.	PREVI	EW	Ше	A3
Droduc		WDD SHEET	1 / 1	шС	XME
Produc	t Engineering		1 / 1		×

