DATA SHEET

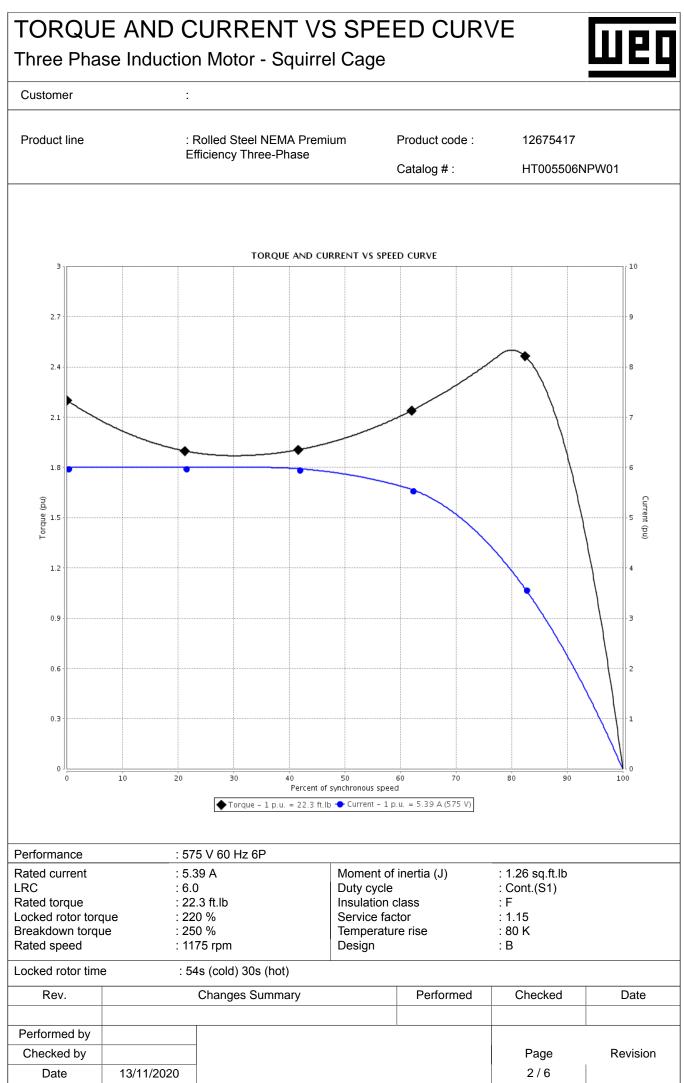
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: Rolled Steel NEMA Premium			Product code :	12675417	12675417	
		Efficiency Three-Phase			Catalog # :	HT005506N	HT005506NPW01	
Frame		: 213	8/5T		Locked rotor time	: 54s (cold)	30s (hot)	
Output		: 5 H	P (3.7 kW)		Temperature rise	: 80 K		
Poles		: 6			Duty cycle	: Cont.(S1)		
Frequency		: 60 I			Ambient temperature	: -20°C to +		
Rated voltage		: 575			Altitude	: 1000 m.a.	s.l.	
Rated current		: 5.39			Protection degree	: IP55		
L. R. Amperes		: 32.4			Cooling method	: IC411 - TE	EFC	
LRC			x(Code H)		Mounting	: F-1		
No load current		: 2.73			Rotation ¹	: Both (CW		
Rated speed			5 rpm		Noise level ²	: 55.0 dB(A		
Slip		: 2.08			Starting method	: Direct On	Line	
Rated torque			3 ft.lb		Approx. weight ³	: 144 lb		
Locked rotor toro		: 220						
Breakdown torqu	ie	: 250	1 %					
Insulation class		: F	F					
Service factor	- (I)	: 1.1						
Moment of inertia Design	a (J)	: 1.26 : B	6 sq.ft.lb					
Output	25%	50%	75%	100%	Foundation loads			
Efficiency (%)	86.4	87.5	88.5	89.5	Max. traction	: 243 lb		
Power Factor	0.35	0.59	0.71	0.77	Max. compression	: 387 lb		
			<u>Dri</u> v	e end	Non drive end	<u>l</u>		
Bearing type		:		08 ZZ	6206 ZZ			
Sealing		:	V	'Ring	V'Ring			
Lubrication interv		:		-	-			
Lubricant amoun	4							
	IL	:		-	-			
Lubricant type		:		- Mob	- bil Polyrex EM			
Lubricant type Notes This revision repla	aces and o		-		These are average values power supply, subject to the			
Lubricant type Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and o ed. lotor from Im and with veight sub ocess.	the shaft e th toleranc oject to cha	end. ce of +3dB(anges after	one, which A).	These are average values power supply, subject to th MG-1.	e tolerances stipu	lated in NEMA	
Lubricant type Notes This revision replation must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro-	aces and o ed. lotor from Im and with veight sub ocess.	the shaft e th toleranc oject to cha	end. e of +3dB(one, which A).	These are average values power supply, subject to the			
Lubricant type Notes This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	aces and o ed. lotor from Im and with veight sub ocess.	the shaft e th toleranc oject to cha	end. ce of +3dB(anges after	one, which A).	These are average values power supply, subject to th MG-1.	e tolerances stipu	lated in NEMA	
Lubricant type Notes This revision replanate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	aces and o ed. lotor from Im and with veight sub ocess.	the shaft e th toleranc oject to cha	end. ce of +3dB(anges after	one, which A).	These are average values power supply, subject to th MG-1.	e tolerances stipu	lated in NEMA	

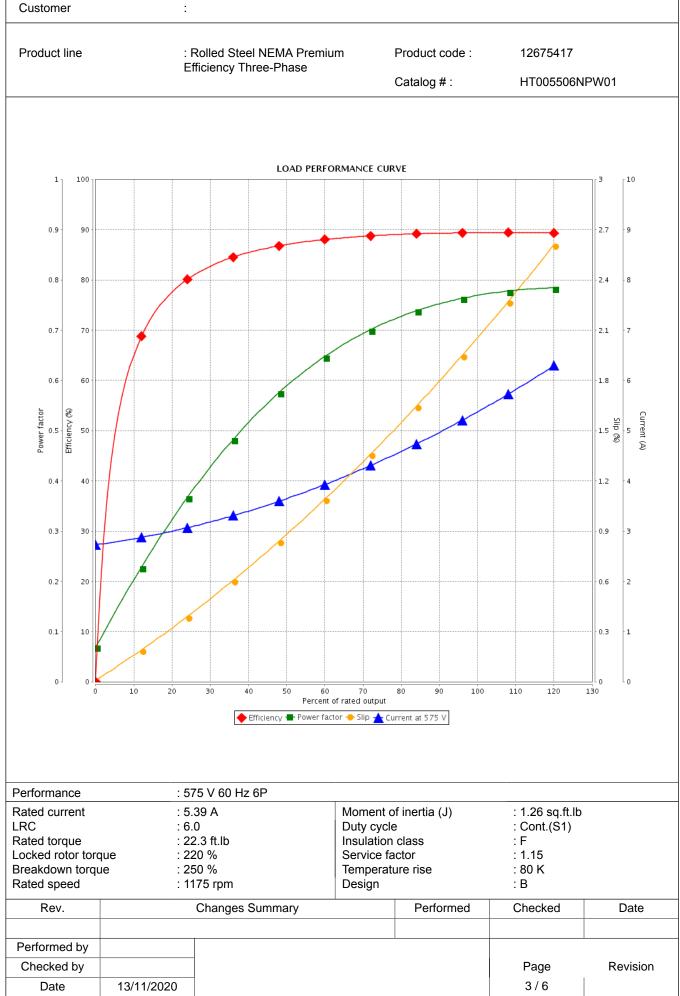


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

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 Induction Motor - Squirrel Cage

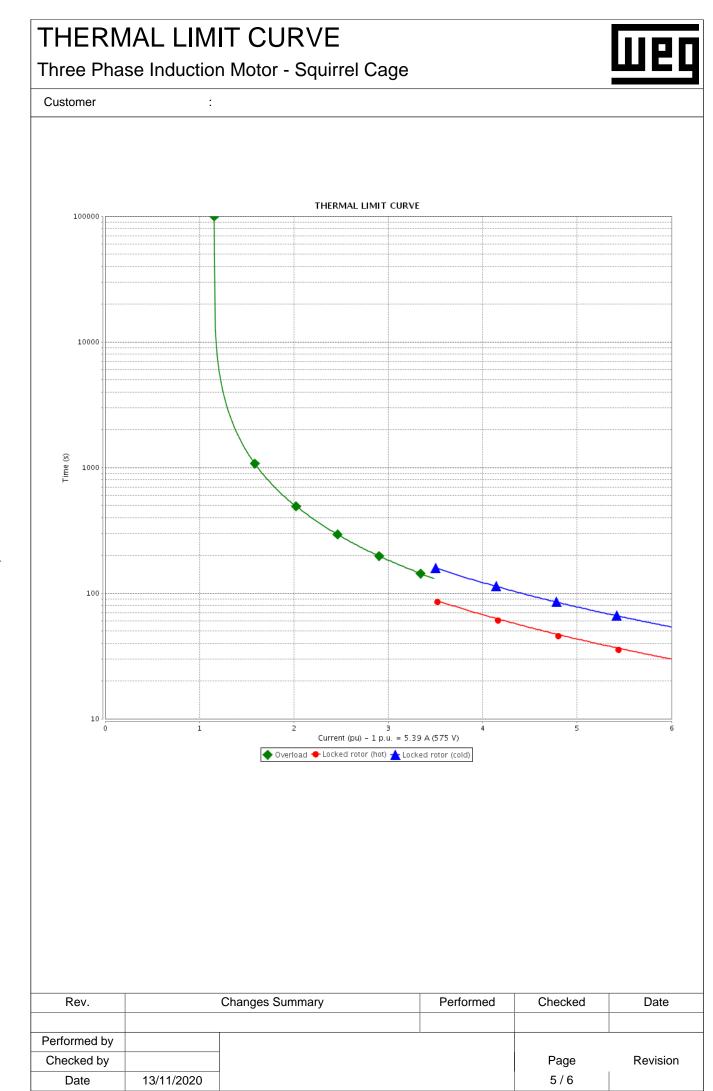
:



Customer

Product line		Rolled Steel NEMA Premiur fficiency Three-Phase		Product code : Catalog # :	12675417 HT005506NF	PW01
Performance						
		75 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 6 : 2: jue : 2: ie : 2:	.39 A .0 2.3 ft.lb 20 % 50 % 175 rpm	Moment o Duty cycle Insulation Service fa Temperate Design	class ctor	: 1.26 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
		-				
Performed by						
Checked by					Page	Revision
Date	13/11/2020	-			4/6	

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

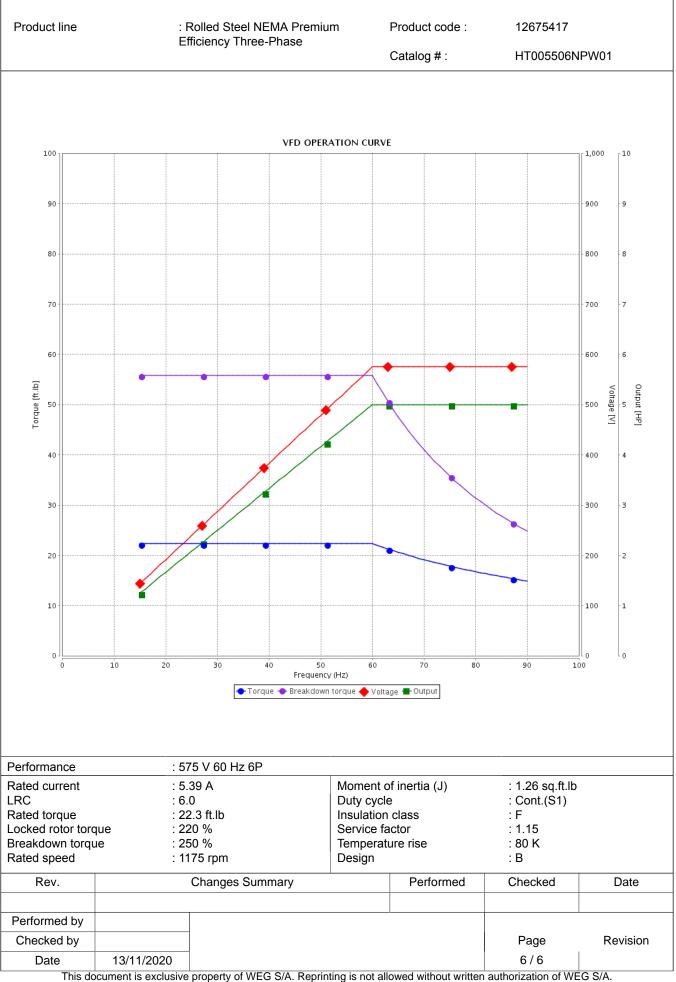
VFD OPERATION CURVE

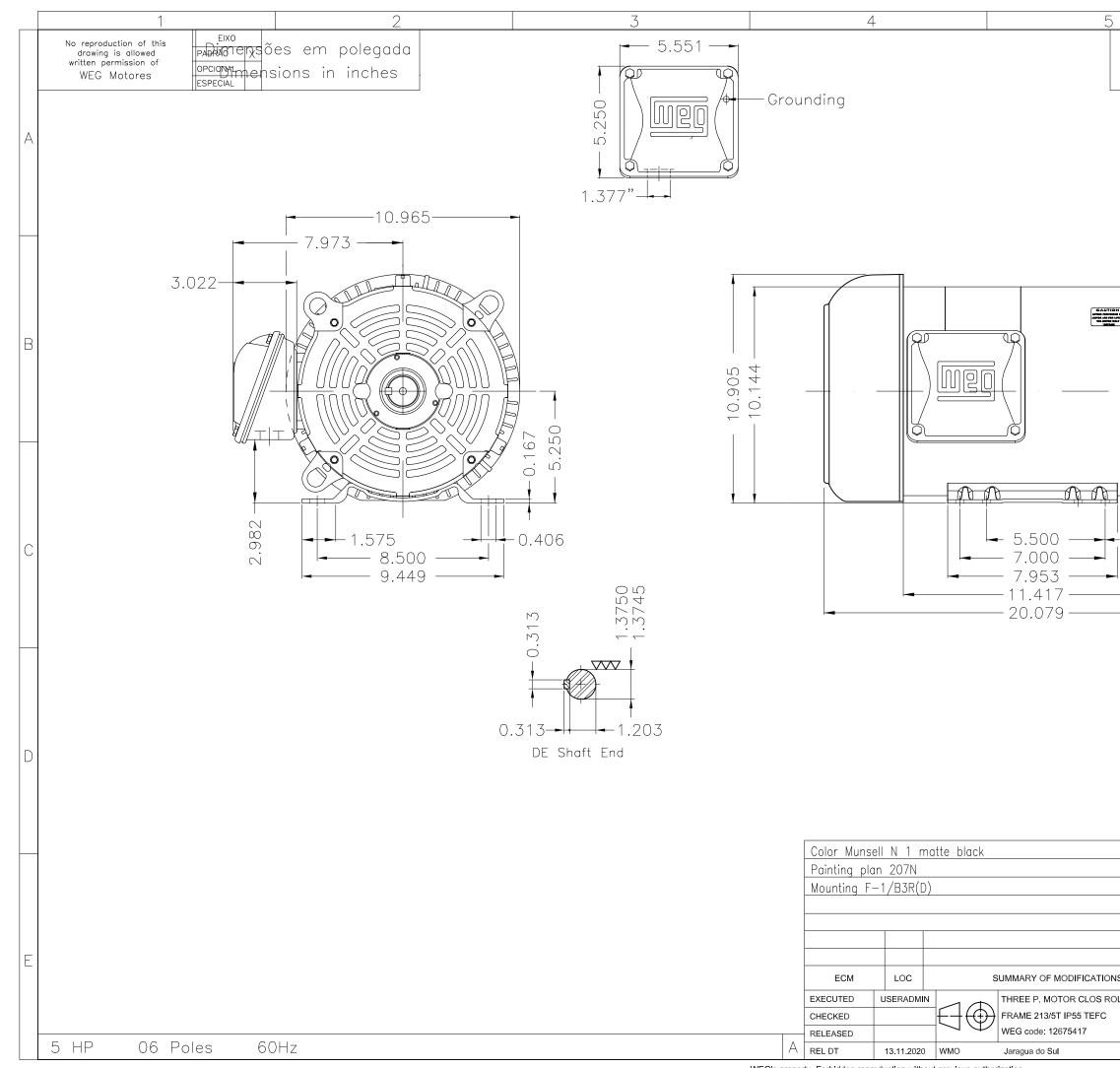
Three Phase Induction Motor - Squirrel Cage

:



Customer





WEG's property. Forbidden reproduction without previous authorization.

			6		
THIS PREVI	IS AN OUS ON	UPDATED E MUST B		, THE ARDED.	
		• 2.480 3.380 •			
NS	EXECUTED	CHECKED	RELEASED	DATE	VER
	t Engineering	SHEET	1 / 1	Ше	
. 10000			. / '		