DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Product line		: Rolled Steel Three-Phase		Product code : Catalog # :		13484365 00336ET3E	13484365 00336ET3E56CFL-S	
Frame		: 56C		Cooling method		: IC411 - TF	: IC411 - TEFC	
Insulation class		: F		Mounting		: F-1		
Duty cycle		: Cont.(S1)		Rotation ¹			: Both (CW and CCW)	
Ambient temperature		: -20°C to +40°C		Starting method		·	: Direct On Line	
Altitude		: 1000 m.a.s.l.			Approx. weight ³ : 21.7 kg		LINC	
Protection degree		: 1955		Moment of inertia (J) : 0.0070 kgm ²		m ²		
Design	e	: B		Moment		. 0.0070 kg		
Output [HP]		3			3		3	
Poles		2		2			2	
Frequency [Hz]		60		50			50	
Rated voltage [V]		230/460		190/380		2'	220/415	
		7.02/3.51		8.50/4.25			7.62/4.04	
Rated current [A]								
L. R. Amperes [A]		66.7/33.3		62.9/31.5			63.3/33.5	
LRC [A]		9.5x(Code K)		7.4x(Code H)			8.3x(Code J)	
No load current [A]		2.56/1.28		2.52/1.26		2.5	2.57/1.36	
Rated speed [RPM]		3500		2870			2885	
Slip [%]		2.78		4.33			3.83	
Rated torque [kgfm]		0.622		0.759			0.755	
Locked rotor torque [%]		300			229			
Breakdown torque [%]		380			280	270 310		
		380						
Service factor					1.15		1.15	
Temperature rise		80 K			80 K		80 K	
Locked rotor time		18s (cold) 10s (hot)		16s	s (cold) 9s (hot)	16s (co	16s (cold) 9s (hot)	
Noise level ²		68.0 dB(A)			65.0 dB(A)	65.	65.0 dB(A)	
Efficiency (%)	25%	83.	83.6		87.9		87.4	
	50%	84.0			86.6		86.5	
	75%		86.5		86.4		86.8	
	100%	86.5			84.6		85.5	
Power Factor	25%							
		0.51			0.57		0.53	
	50%	0.7			0.83		0.80	
	75%		0.87		0.90		0.89	
	100%	0.9	0.91		0.93		0.92	
Decisions trues	-	Drive end	Non drive end	Foundati				
Bearing type		: 6204 ZZ	6202 ZZ	Max. trac		: 64 kgf		
Sealing		: V'Ring	V'Ring	Max. compression		: 86 kgf		
Lubrication interv	val	: -	-					
Lubricant amount		: -						
Lubricant type		: Mobil Pe	Mobil Polyrex EM					
			,					
Notes USABLE @208V	7.76A SF 1.	00 SFA 7.76A						
This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate	ed. notor from the 1m and with t weight subjec	e shaft end. olerance of +3dB	B(A).		e average values upply, subject to the			
manufacturing pro (4) At 100% of ful								
Rev.		Changes Su	Changes Summary		Performed	Checked	Date	
Performed by								
Checked by						Page	Revisior	
	04/00/000					i uye		
B (

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

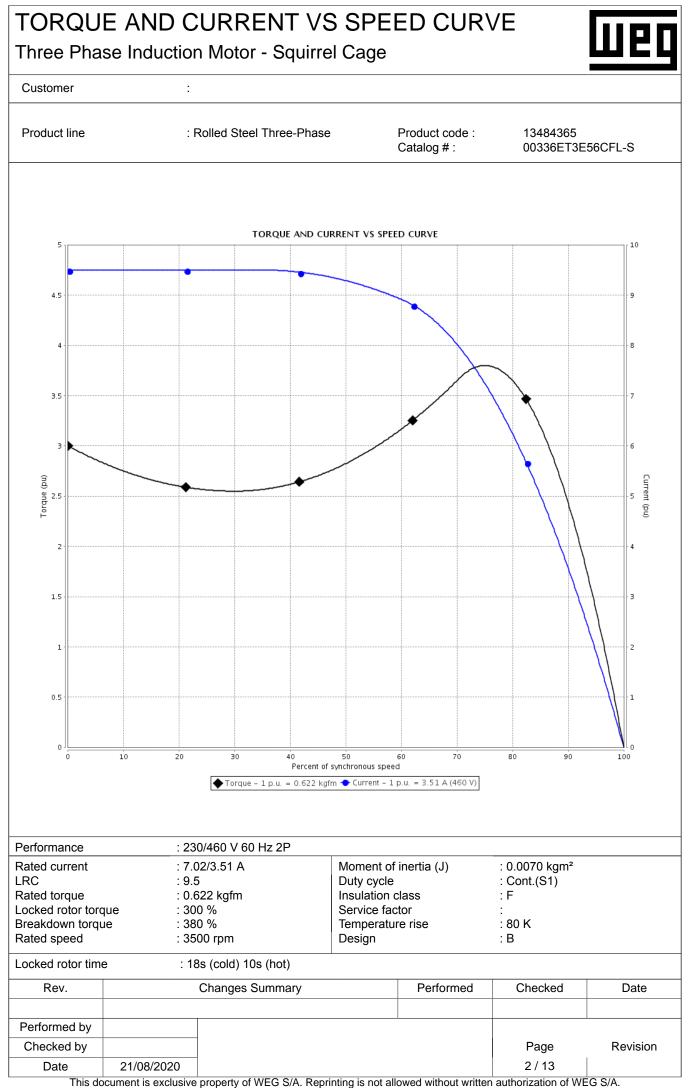
21/08/2020

Date

Subject to change without notice

1 / 13





TORQUE AND CURRENT VS SPEED CURVE

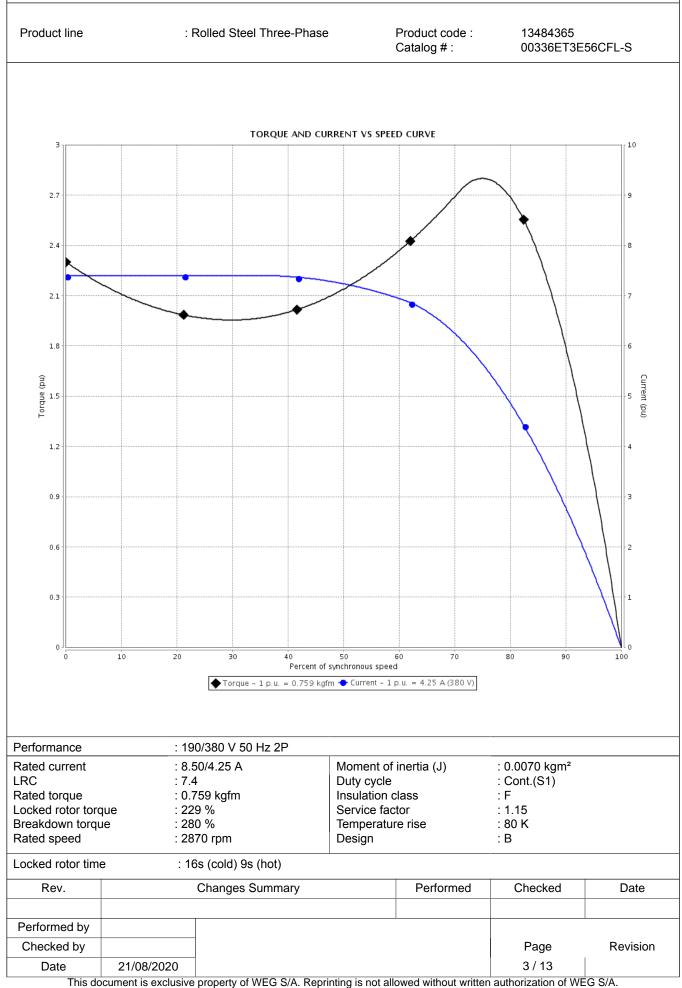
Three Phase Induction Motor - Squirrel Cage

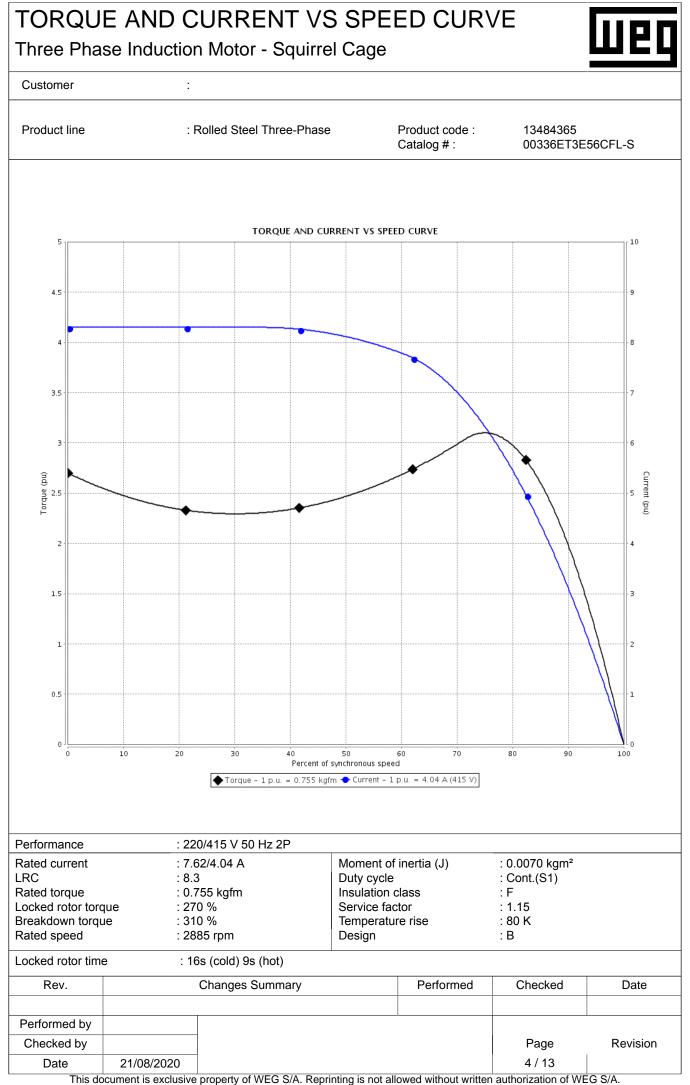
:





Customer





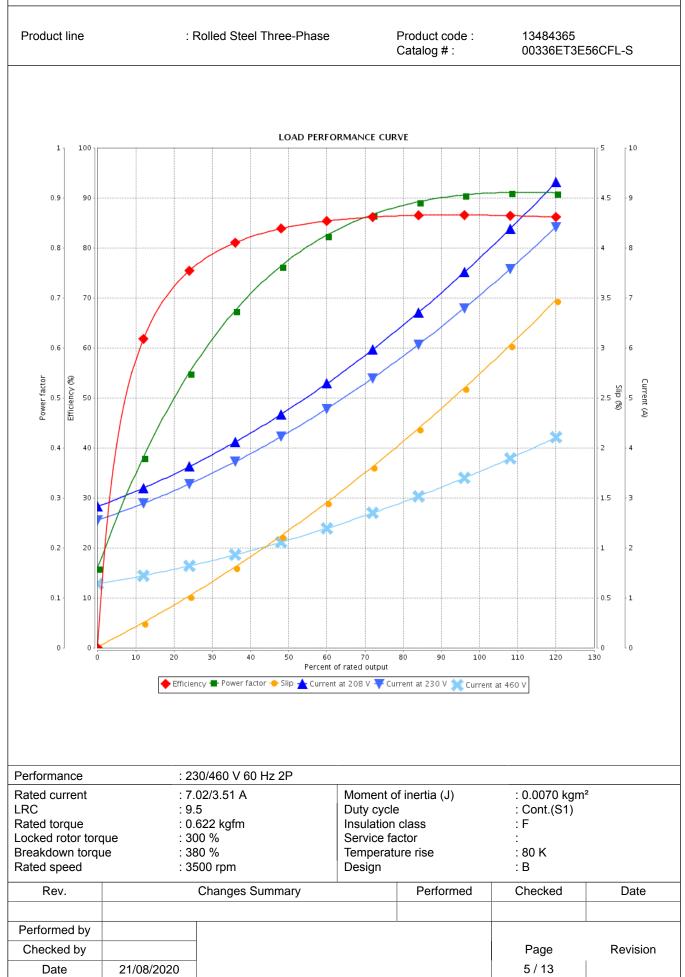
Subject to change without notice

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.

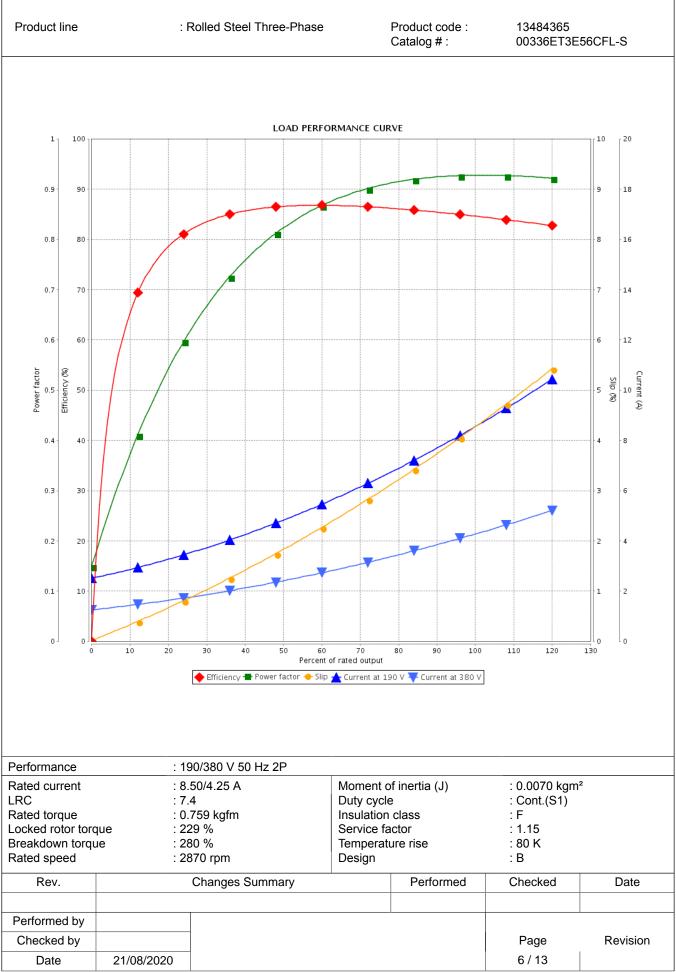
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:



Customer



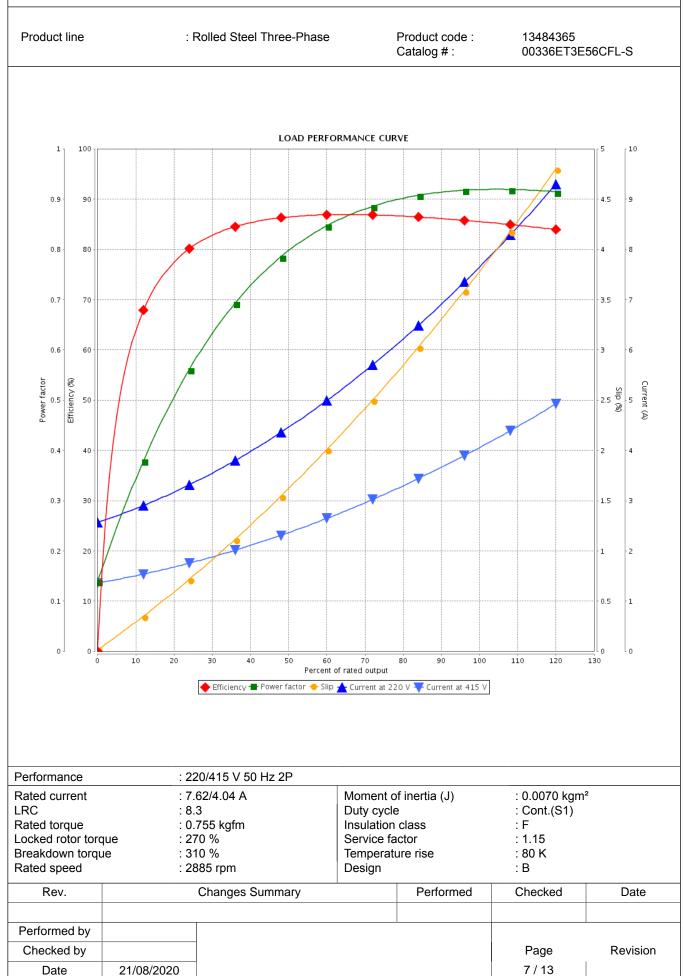
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A. Subject to change without notice

LOAD PERFORMANCE CURVE

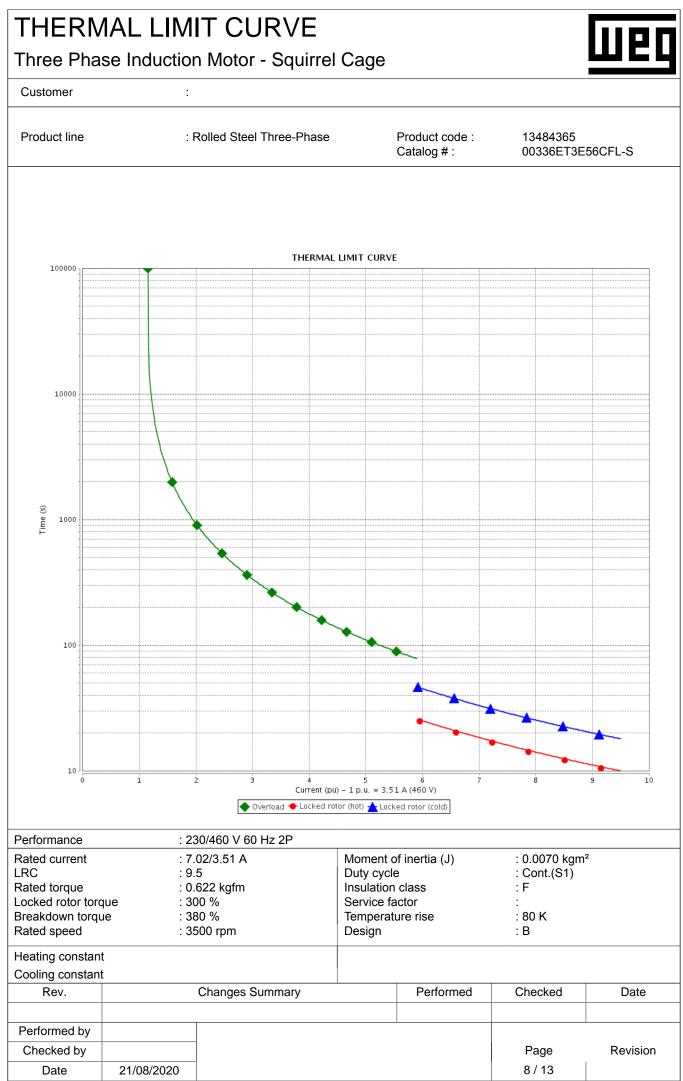
Three Phase Induction Motor - Squirrel Cage

:

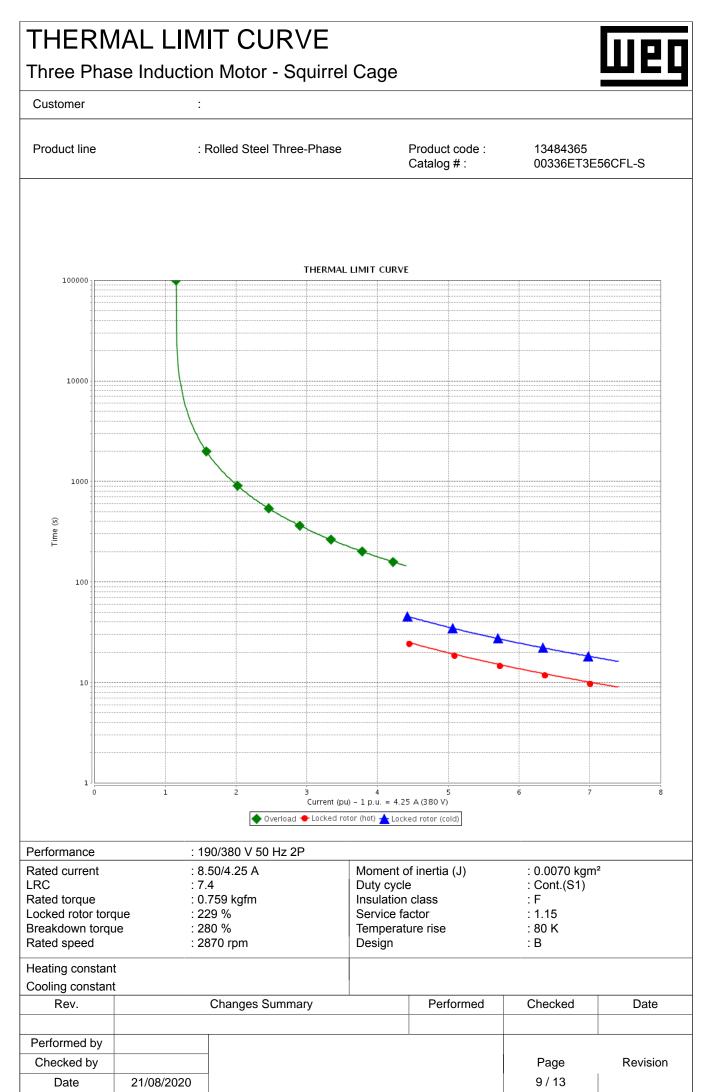
Customer



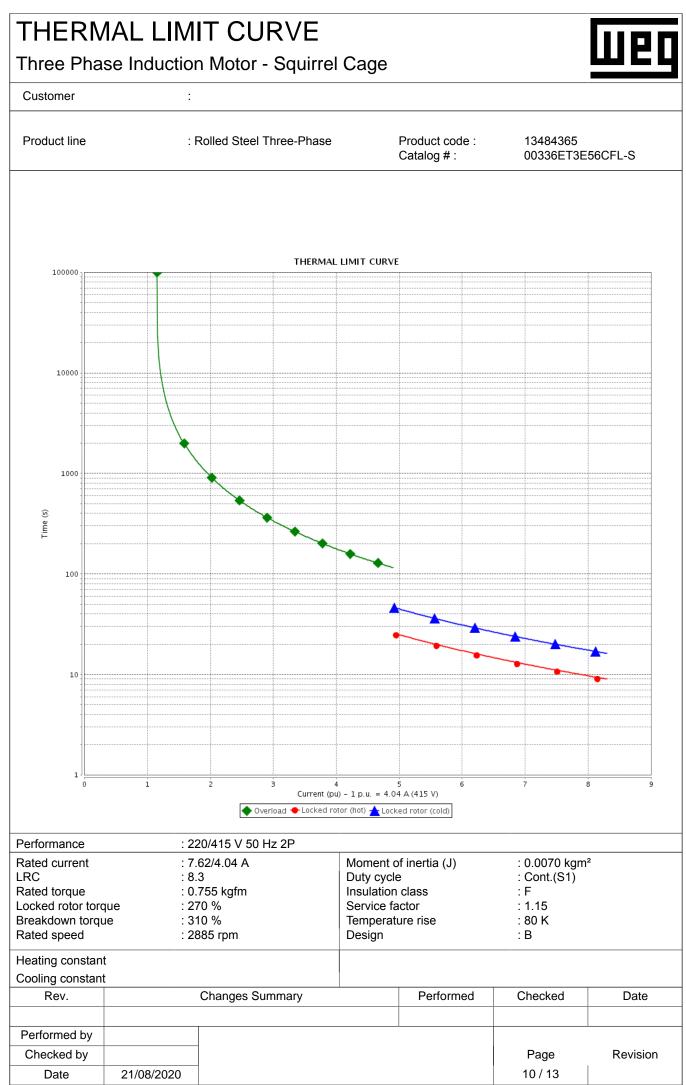
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



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.



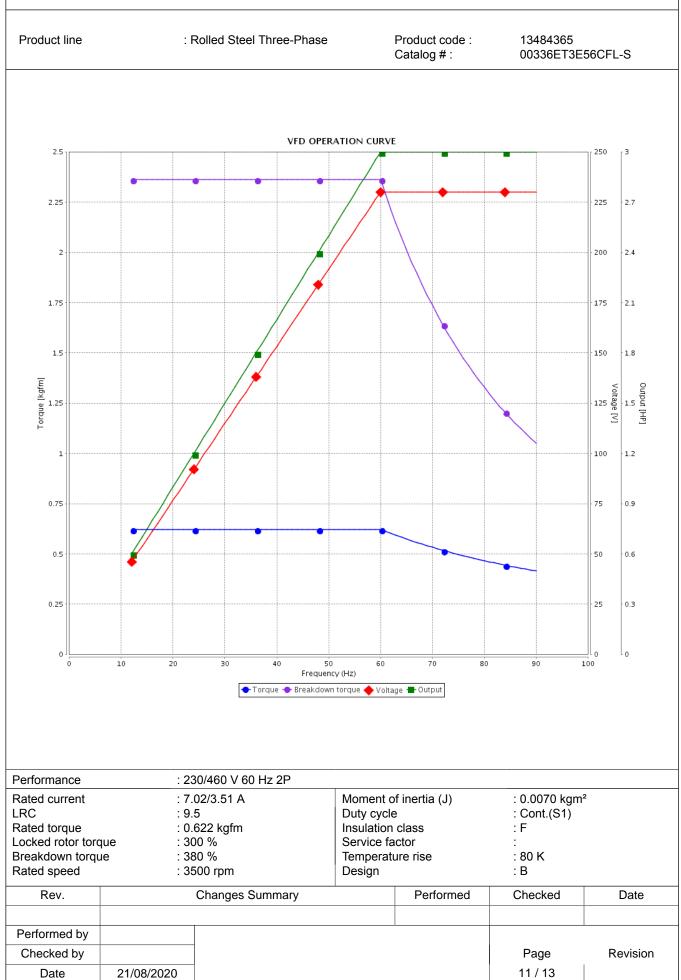
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

VFD OPERATION CURVE

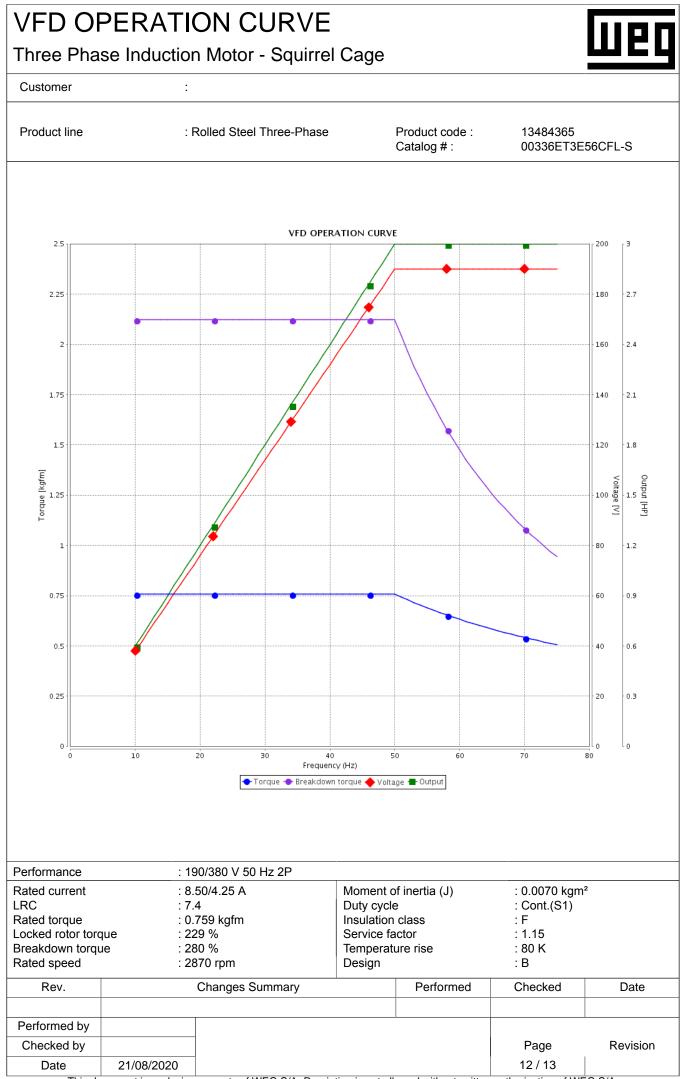
Three Phase Induction Motor - Squirrel Cage

:

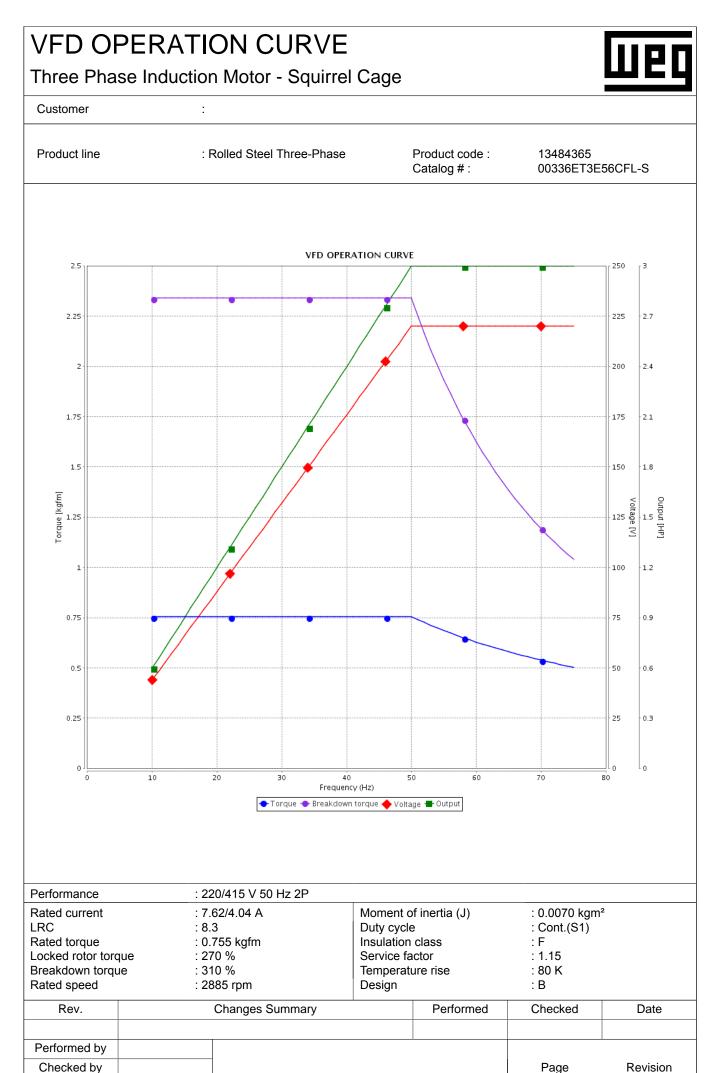
Customer



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



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



 ecked by
 Page
 Revision

 Date
 21/08/2020
 13 / 13

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