# DATA SHEET

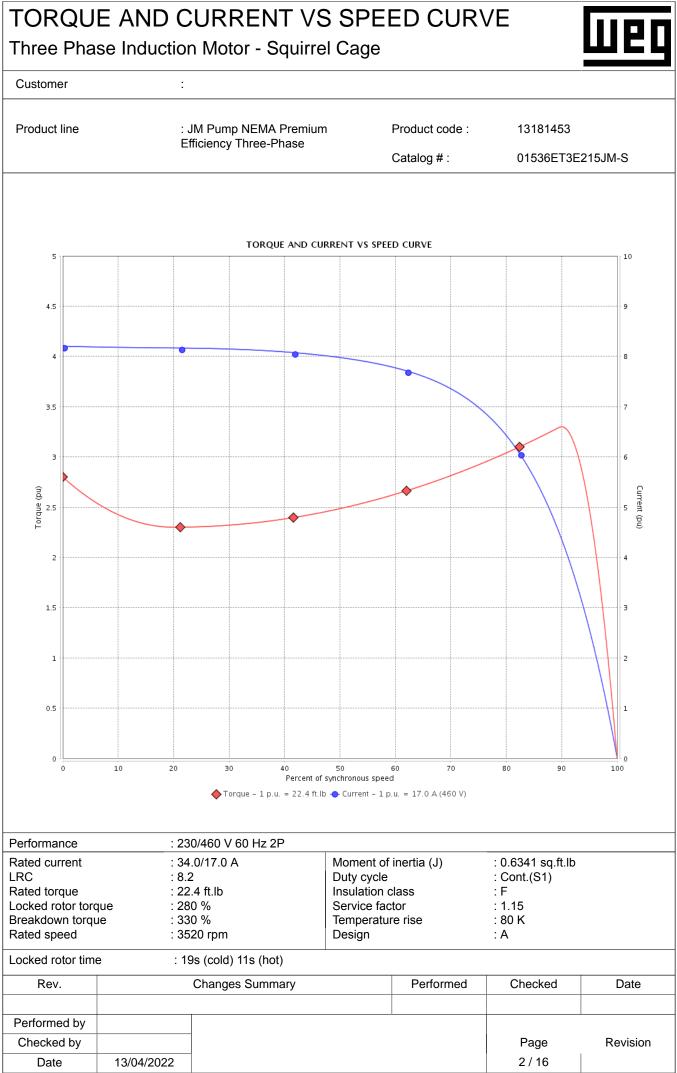
Three Phase Induction Motor - Squirrel Cage

:



#### Customer

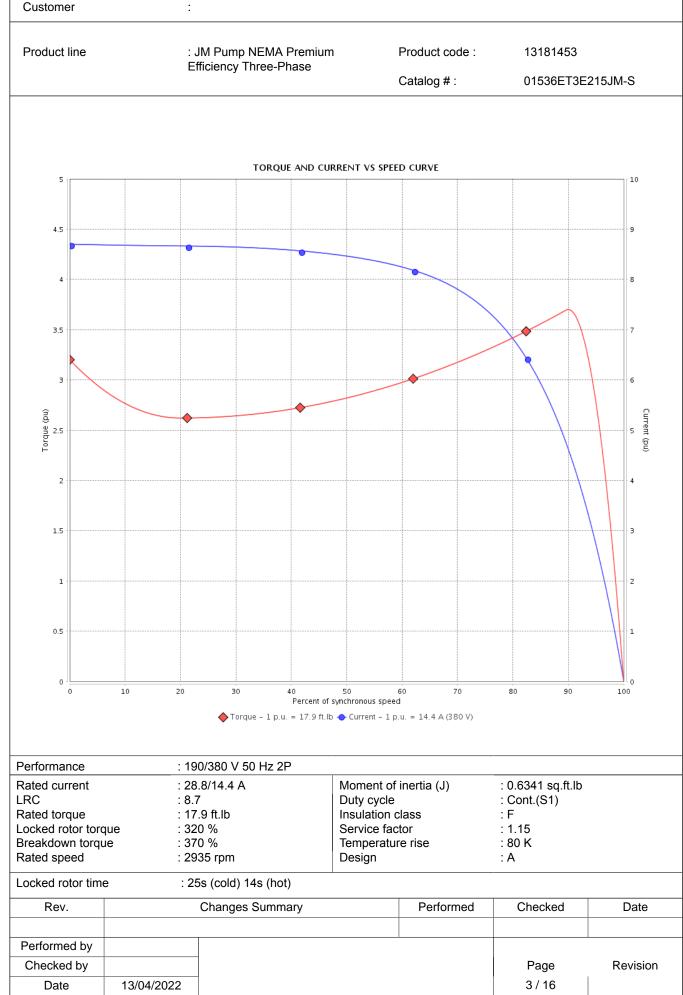
Product line		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13181453	13181453 01536ET3E215JM-S	
				Catalog # :	01536ET3E215		
Frame		: 213/5JM		Cooling method	: IC411 - TEFC		
Insulation class		: F		Mounting	: F-1		
Duty cycle		: Cont.(S1)		Rotation <sup>1</sup>	: Both (CW and	I CCW)	
Ambient tempera	ature	: -20°C to +40	°C	Starting method	: Direct On Line		
Altitude		: 1000 m.a.s.l.		Approx. weight <sup>3</sup>	: 167 lb	-	
Protection degre	e	: IP55		Moment of inertia (J)	: 0.6341 sq.ft.lb	)	
Design	-	: A					
output [HP]		15		10	10		
oles		2		2	2		
requency [Hz]		6	0	50	50		
ated voltage [V]		230/	460	190/380 220/4		15	
ated current [A]		34.0/	/17.0	28.8/14.4	26.2/1	3.9	
. R. Amperes [A]		279/	/139	251/125			
RC [A]		8.2x(C	ode J)	8.7x(Code K)			
lo load current [A	1	12.4/		12.2/6.11	12.8/6		
ated speed [RPN		35		2935	294		
lip [%]	1	2.2		2.17			
Rated torque [ft.lb]	1	22		17.9	17.9		
ocked rotor torqu		28		320	350		
Breakdown torque				370	420		
Service factor	, [ , ]	330		1.15	1.1		
Temperature rise		1.15		80 K	80		
ocked rotor time		80 K 19s (cold) 11s (hot)					
				25s (cold) 14s (hot)	23s (cold)		
Noise level <sup>2</sup>	050/	70.0 dB(A)		67.0 dB(A)	67.0 dl		
	25%	90.0		90.5	89.9		
Efficiency (%)	50%	90.2		90.5	90.		
	75%	91.0		91.4	91.3		
	100%	91.0		91.1	91.3		
	25%	0.49		0.44	0.3		
Power Factor	50%	0.76		0.71	0.6		
	75%	0.85		0.82	0.7		
	100%	0.8	39	0.87	0.8	5	
Deering		Drive end	Non drive end	Foundation loads			
Bearing type		: 6209 ZZ 6206 ZZ		Max. traction	: 339 lb	: 339 lb	
Sealing		: V'Ring	Without Bearing Seal	Max. compression	: 507 lb		
Lubrication interv	val	: -	-				
Lubricant amoun		· _	_				
Lubricant type		· Mohil D	- Polyrex EM				
Notes USABLE @208V	37.6A SF 1.	00 SFA 37.6A					
This revision repla must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v	ed. lotor from the Im and with t weight subjec	e shaft end. tolerance of +3dE	3(A).	These are average values power supply, subject to th MG-1.			
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. tolerance of +3dE ct to changes afte	B(A). er	power supply, subject to th MG-1.	e tolerances stipulate	ed in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. tolerance of +3dE	B(A). er	power supply, subject to th			
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. tolerance of +3dE ct to changes afte	B(A). er	power supply, subject to th MG-1.	e tolerances stipulate	ed in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev. Performed by	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. tolerance of +3dE ct to changes afte	B(A). er	power supply, subject to th MG-1.	Checked	ed in NEMA	
must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful Rev.	ed. lotor from the Im and with t weight subjec ocess.	e shaft end. tolerance of +3dE ct to changes afte	B(A). er	power supply, subject to th MG-1.	e tolerances stipulate	ed in NEMA	



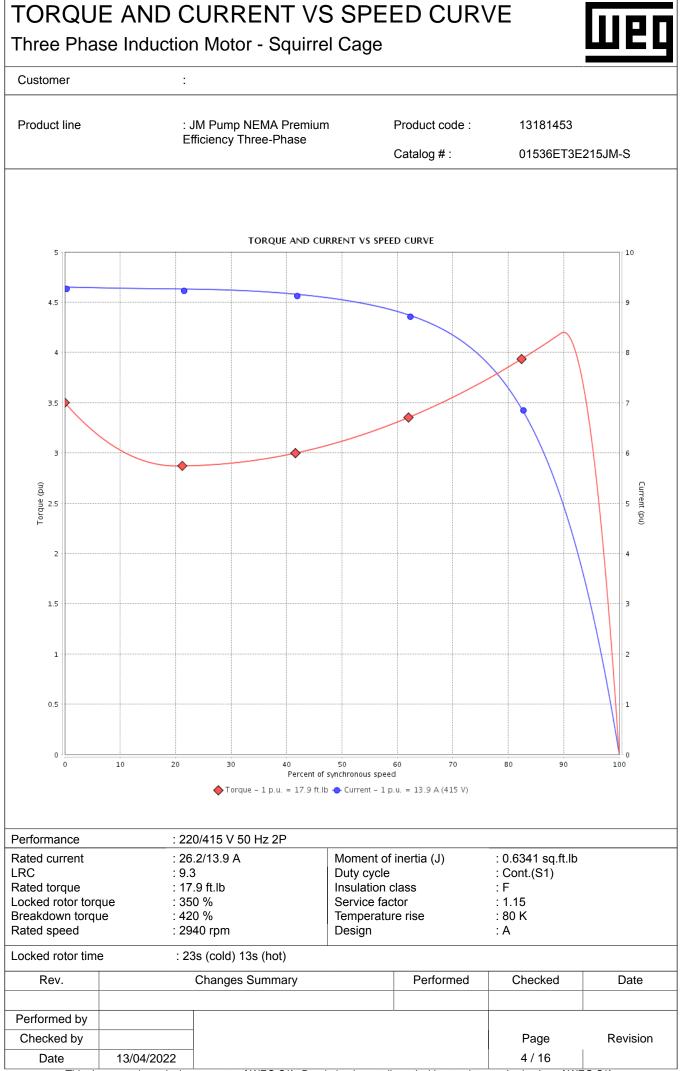
#### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



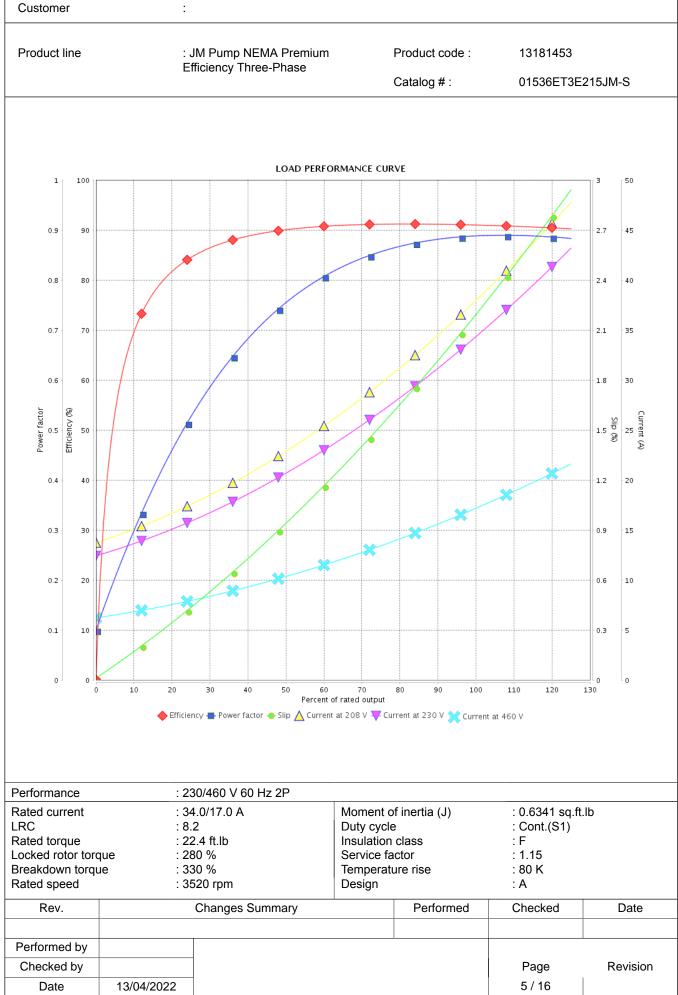
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



# 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.

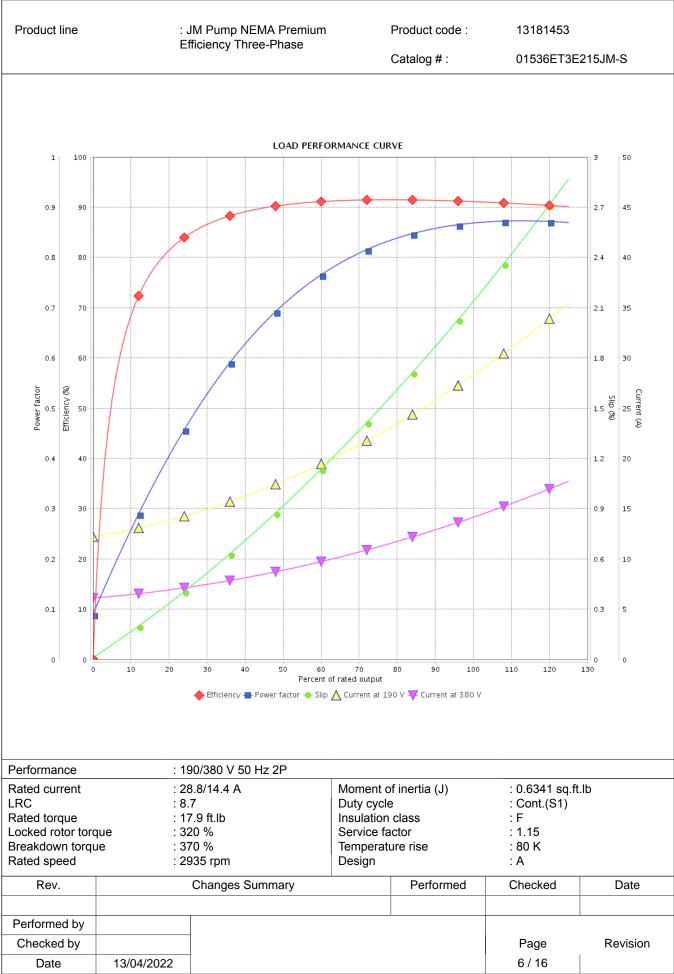
### LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

:



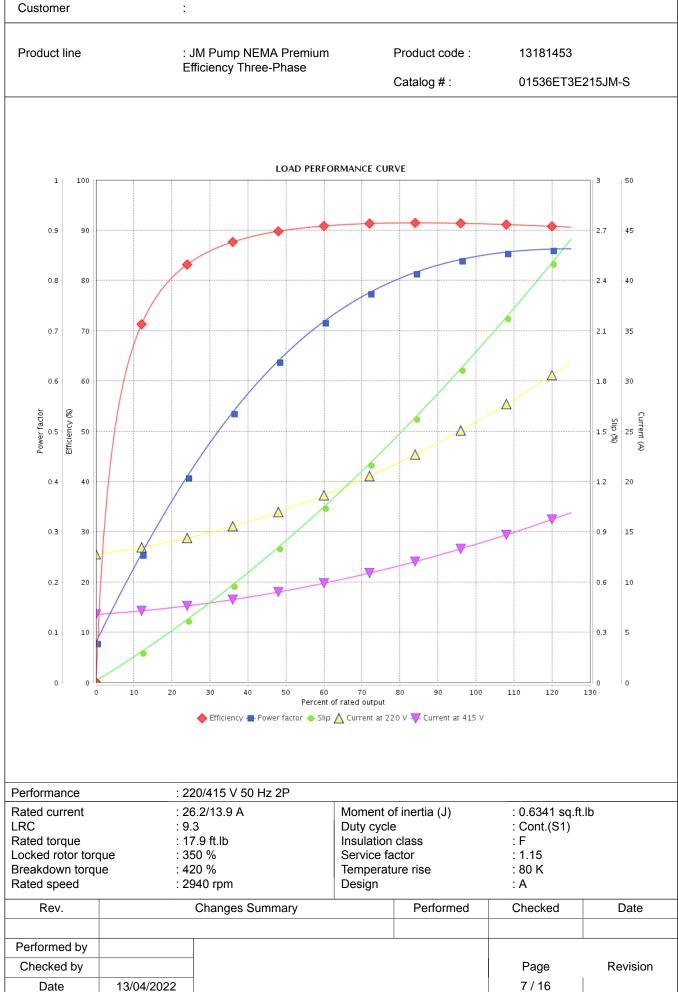
Customer



# 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

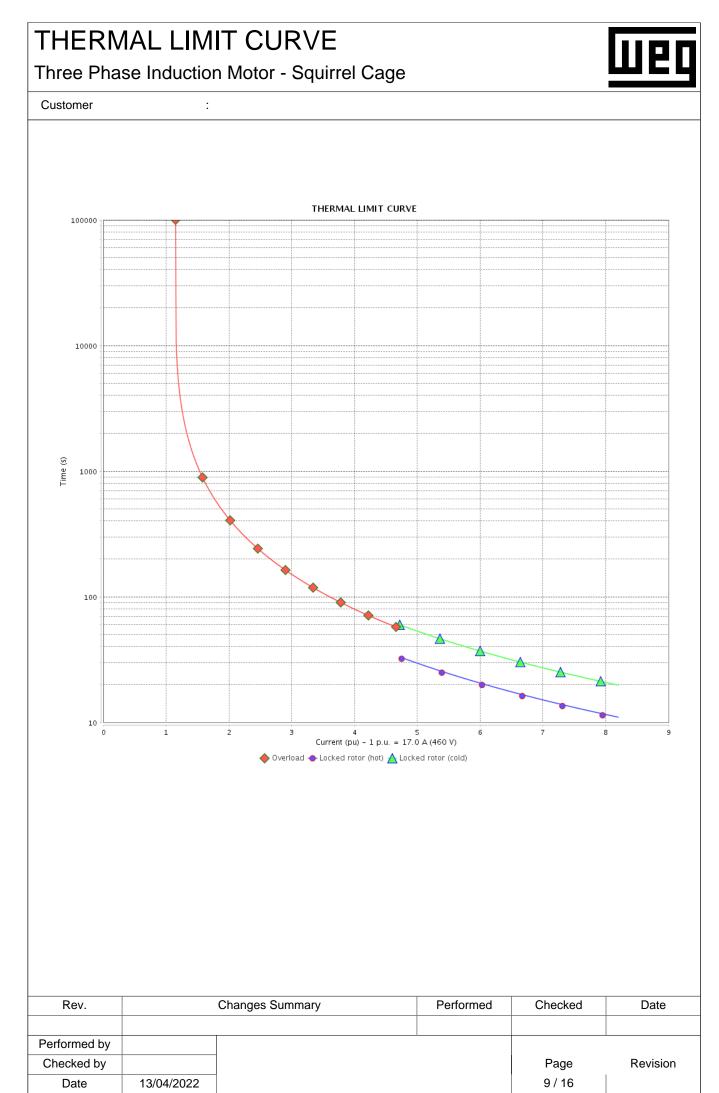
Three Phase Induction Motor - Squirrel Cage

:



Customer

Droduct line				Draduat aada :	10101450	
Product line :		: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13181453	
				Catalog # :	01536ET3E	215JM-S
Performance		30/460 V 60 Hz 2P				
Rated current		4.0/17.0 A	Moment o	f inertia (J)	: 0.6341 sq.ft	lb
LRC	: 8.		Duty cycle		: Cont.(S1)	10
Rated torque		2.4 ft.lb	Insulation	class	: F	
Locked rotor toro		30 %	Service fa		: 1.15 : 80 K	
Breakdown torque : 330 % Rated speed : 3520 rpm		Temperature rise: 80 KDesign: A				
Heating constan			-			
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				8 / 16	



### THERMAL LIMIT CURVE

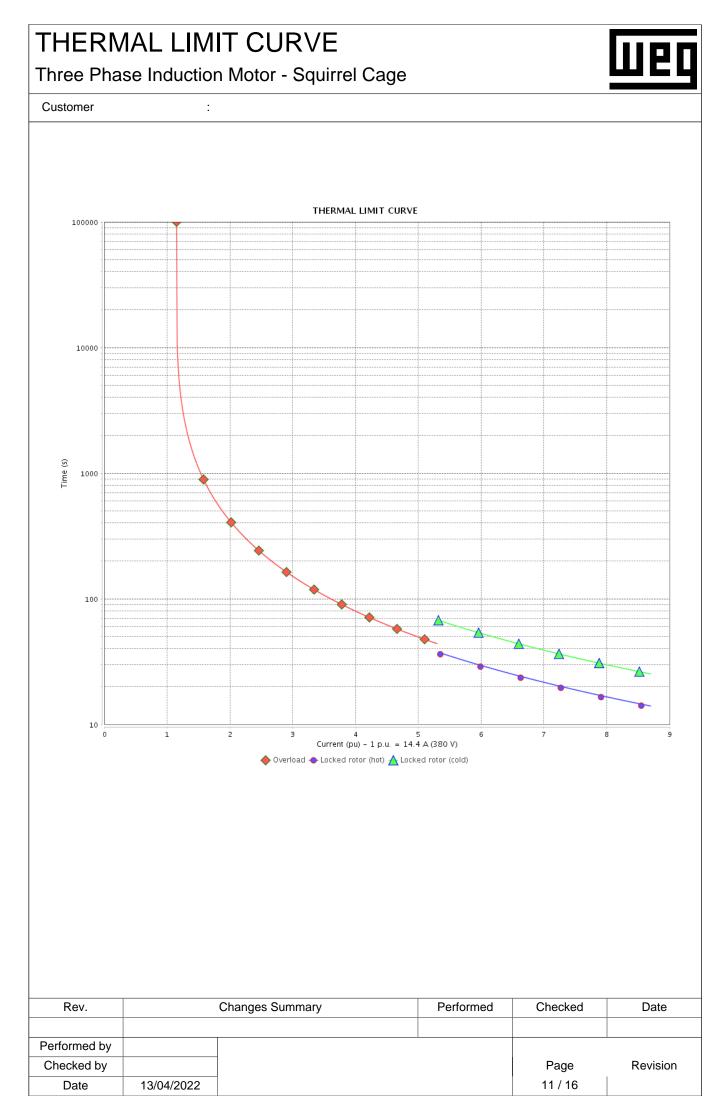
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	: . Ff	: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13181453	
				Catalog # :	01536ET3E	215JM-S
Performance		90/380 V 50 Hz 2P				
Rated current LRC	: 28	3.8/14.4 A 7	Moment o Duty cycle	f inertia (J)	: 0.6341 sq.ft. : Cont.(S1)	lb
Rated torque		7.9 ft.lb	Insulation	, class	: F	
Locked rotor tore	que : 32	20 %	Service fa		: 1.15	
Breakdown torqı Rated speed		70 % 935 rpm	Temperatu Design	ure rise	: 80 K : A	
			Design		. / \	
Heating constan						
Cooling constant		Changes Ourses			Charles	Detr
Rev.		Changes Summary		Performed	Checked	Date
Darfa						
Performed by					5	<b>D</b> · ·
Checked by					Page	Revision
Date	13/04/2022				10 / 16	



### THERMAL LIMIT CURVE

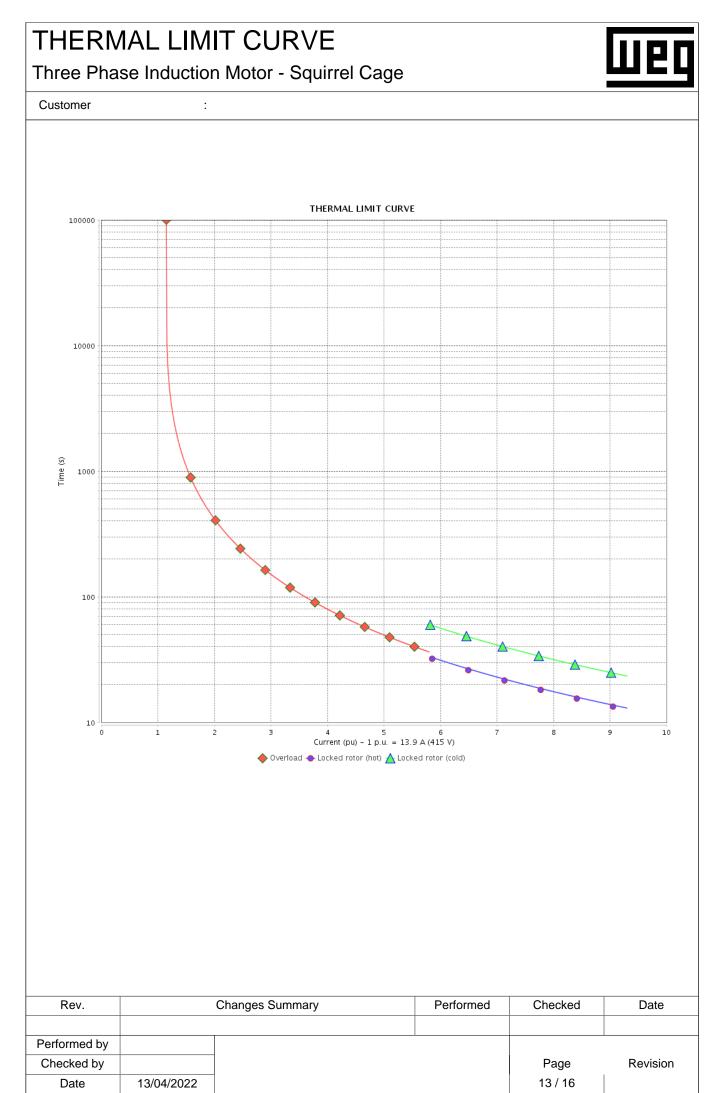
Three Phase Induction Motor - Squirrel Cage

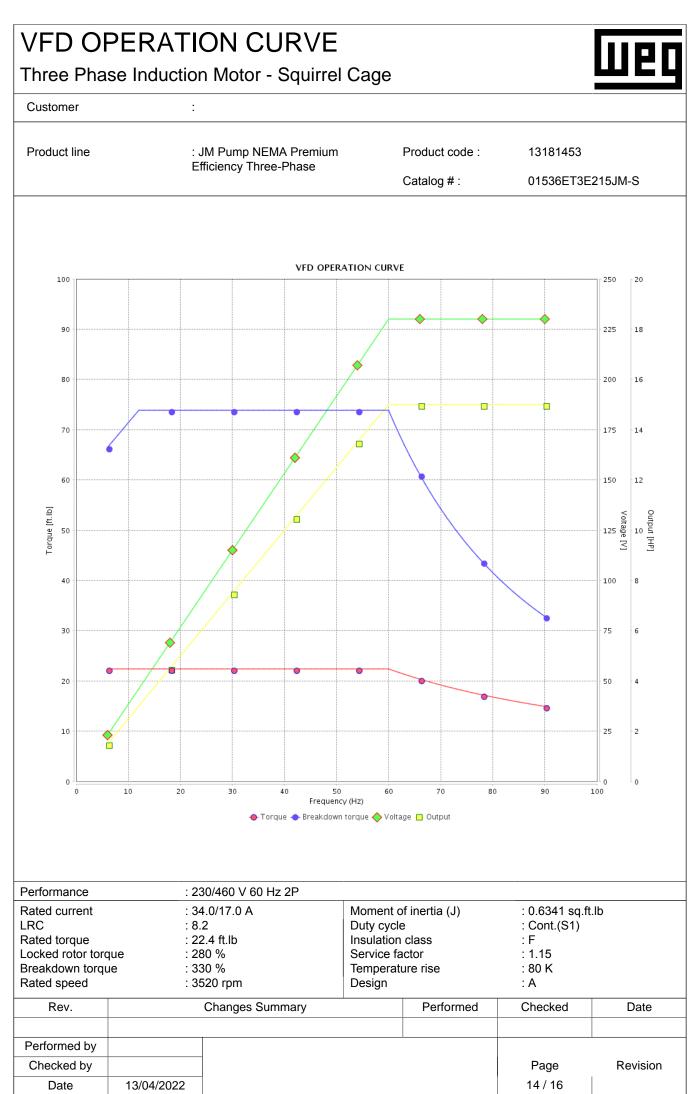
:

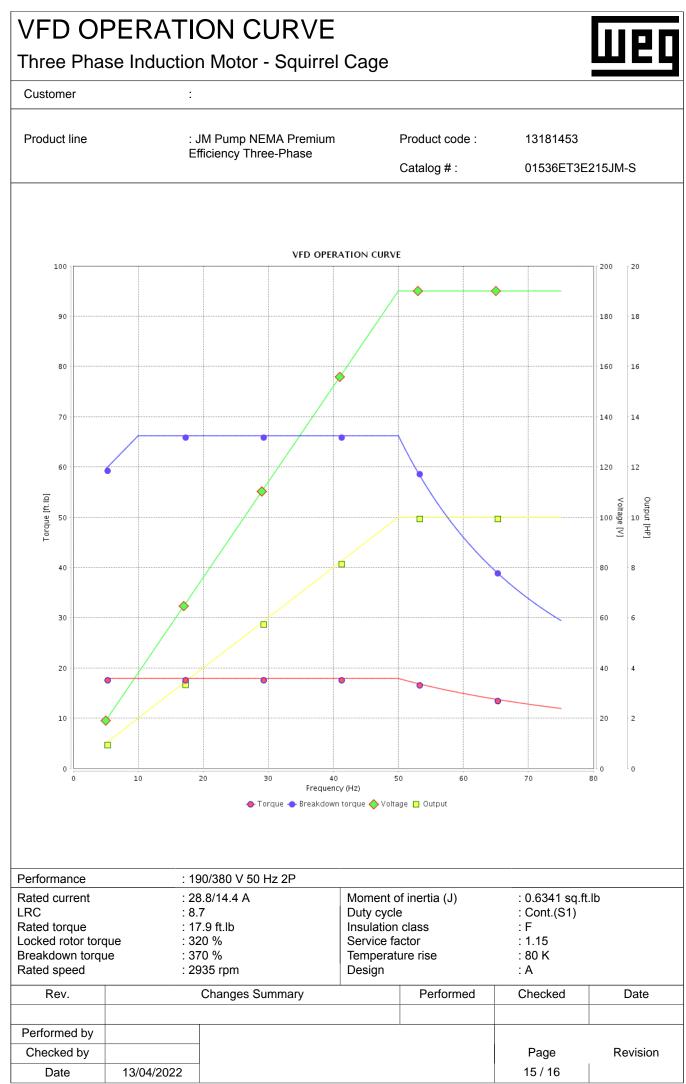


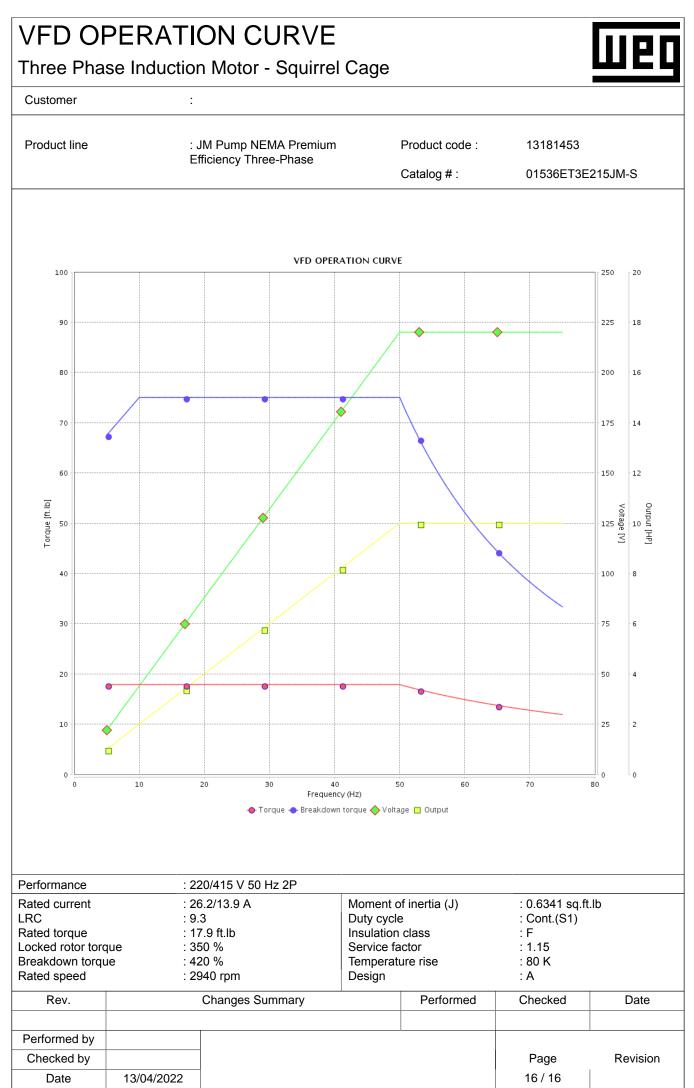
Customer

Product line	: J Ef	: JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13181453	
				Catalog # :	01536ET3E	215JM-S
Performance	: 22	20/415 V 50 Hz 2P				
Rated current: 26.2/13.9 ALRC: 9.3Rated torque: 17.9 ft.lbLocked rotor torque: 350 %Breakdown torque: 420 %Rated speed: 2940 rpm				: 1.15 : 80 K	lb	
Heating constant	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by Checked by					Page	Revision
Date	13/04/2022				12 / 16	

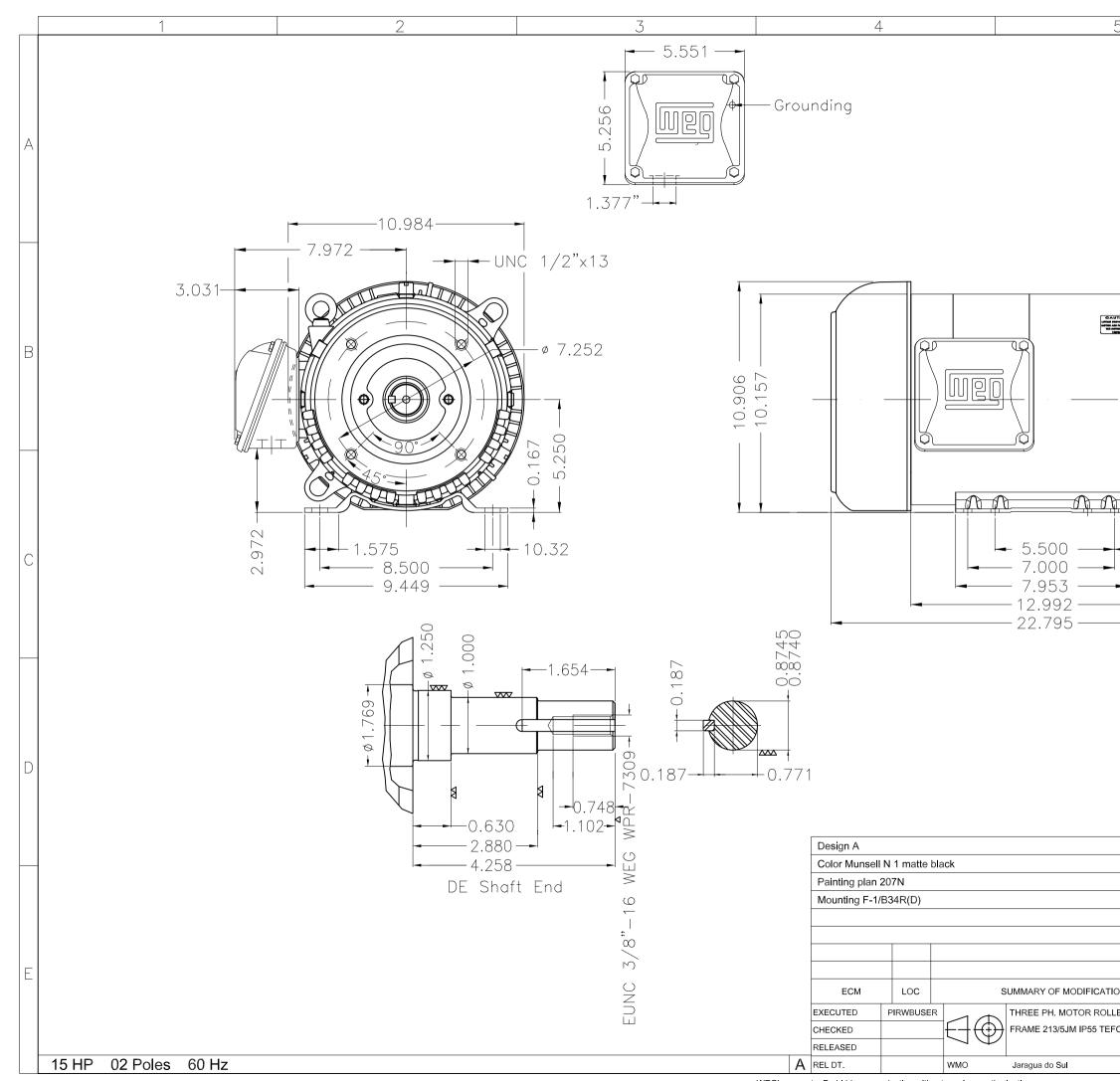








This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



WEG's property. Forbidden reproduction without previous authorization.

5	0.25				ches
					Dimensions in inches
					-
					_
IONS	EXECUTED	CHECKED	RELEASED	DATE V	'ER
LED STEEL CLOSE ( FC		<sup>▶</sup> "PREV WDD	ΈŴ	Weq	A3
Product	t Engineering	SHEET	1 / 1		XME
					^ ^

SAFE AREA Energy Verified	For 60H2: Class I, Zone 2, IIC Class I, Div2, Gr. A,B,C,D - T3 Div 2 Inverter Duty (5F1.00) CT 2:1/VT 1000:1	(1) <th>orarrow isotrical ang unit.</th>	orarrow isotrical ang unit.
-C Ri	-	HP 15 HP 15 F 33./19.5 F 33./19.5 F 1.15 F 33./19.5 F 1.15 F 33./19.5 F 33./19.5 F 33.0 F 1.15 F 33.0 F 1.15 F 1.15 F 1.15 F 0.15 MOBIL POLYREK EN MOBIL POLYREK EN MOBIL POLYREK EN MOBIL POLYREK EN MOBIL POLYREK EN H 0 7 9 F 0 7	INTERCIANCE ANY THO LIVE WREES TO REVERSE THE ROTATION MARNING, MORT must be proven the this control of an accounted maccounter with local and national electrical codes to prever services electres abouts. Disconnect power source before servicing unit. Any and any and any and any any any any and conforminent aux codes electricales locaux that d'white tout choo electrique grave. Deconnecter 1'alimentation avait ferreteden de la machine
	MADE IN MEXICO MAT: 13181453 CC029A W01.TEOICOXON MODEL 01536ET3E215JM-S 21APR2022 S/N:	335.IM 235.IM 235.IM   335.IM CONT. 1000 m.a.s.l   1000 m.a.s.l 1000 m.a.s.l 1000 m.a.s.l   1 40°C DES A   2 32.8.2.8.2.14.4.13.9.0 DES A   2 32.8.2.8.2.14.4.13.9.0 DES A   2 000 200-2.2 DEE 2000-2.0 DES   2 000 200-2.2 DEE 2000-2.0 DE   2 001 1 0.1 0.1 DE 2000-2.1   2 011 0 10 0.1 DE 2001 2001	ANGE ANY TWO LINE V NING: Motor must be g nd national electrical c shocks. Disconnect pc AVERTISSEMENT: MX codes electriques i grave. Déconnectez 13
	MADE IN MÉXICO MAT: 13181453 W01.TE0IC0X0N MODEL 01536E1 21APR2022 S	PR 3 Hz 6   DUTY CONT. MUT 7035.1M   DUTY CONT. 1305.1M 0117   ALT 1000 mas.i 10017 0017   AMB LC T 100 100   AMB A0°C ENCL T 101   AMB A0°C E00 11 12   POLTA T T 17 17   DOL T T 17 12	wark wark wark sconformément 4 conformément 4