# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

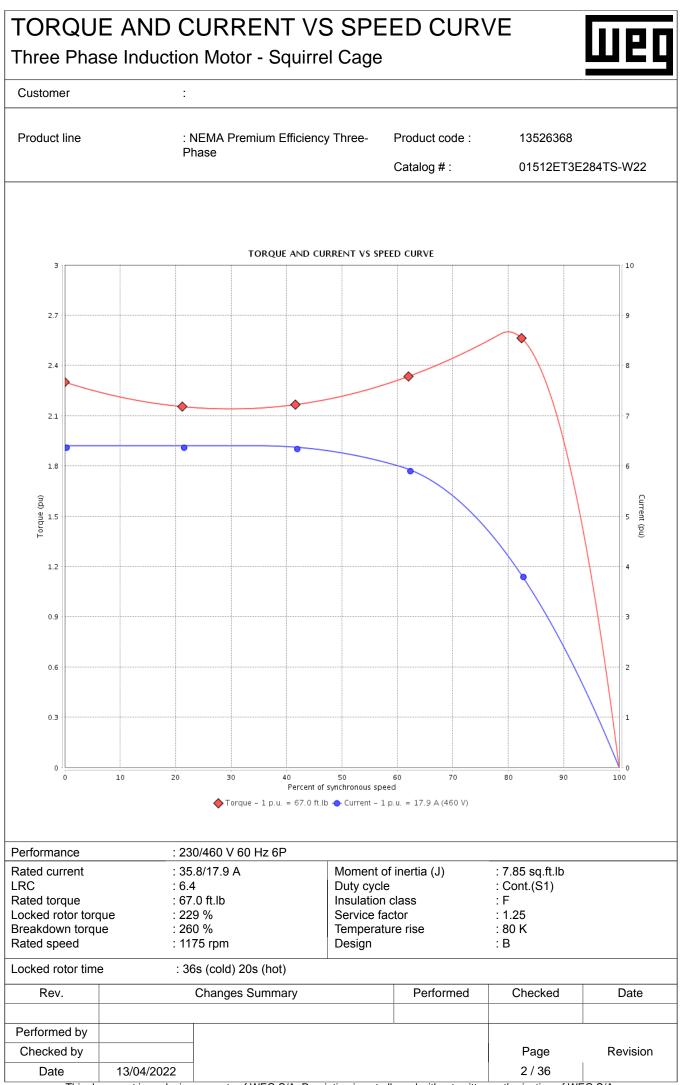
:



$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Product line		: NEMA Pre Phase	mium Efficien	cy Three-	Product code	e: 13	3526368	
Insulation class         : F         Mounting         : F-1         Cont (S1)           Ambient temperature         : 20° C to +40° C         Starting method         : Direct On Line           Attitude         : 1000 m.s.i.         Starting method         : Direct On Line           Protection degree         : IP55         IB         Moment of Inertia (J)         : 7.85 sq.ft.lb           Dutput [HP]         15         10         10         15         15         15           Fergency [Hz]         60         50			FIIdSE			Catalog # :	01	512ET3E284	TS-W22
Upup (I   P]         15         10         10         10         15         15           Poles         6	Insulation class Duty cycle Ambient tempera Altitude Protection degree		: F : Cont.(S1) : -20°C to + : 1000 m.a. : IP55		Moun Rotati Startir Appro	ting on <sup>1</sup> ng method x. weight <sup>3</sup>	: F : E : C : 2	<sup>-</sup> -1 Both (CW and Direct On Line 408 lb	
Poles         6         6         6         6         6         6         6           Frequency [Hz]         60         50         50         50         50         50           Rated voltage [V]         230/460         380         400         415         380         400         415           Rated voltage [V]         230/460         380         400         415         380         400         415           Rated voltage [V]         230/460         380         400         415         380         400         415           Rated voltage [V]         230/460         150         15.1         14.9         22.0         20.2         2.2           IRC [A]         6.4xCode         7.2xCode J]7.9x(Code K)8.3x(Code K)8.5x(Code K)4.7x(Code E)5.5x(Code F)5.7x(Code         50         70         975           Stated speet [PM]         1175         985         985         985         985         970         975           Stated speet [PM]         175         885         150         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50	-			10	10	10	45	45	45
Frequency [Hz]         60         50         50         50         50           Rated voltage [V]         230/460         380         400         415         380         400         415           Rated current [A]         38.917.9         15.5         15.1         14.9         22.0         20.9         20.2           LR. Amperes [A]         229115         112         119         124         103         111         115           RC [A]         6.4x(Code         7.2x(Code J)7.9x(Code K)8.3x(Code K)4.7x(Code E)5.3x(Code F)5.7x(Code         0.7         7.0         7.40         7.70           Red speed [RPM]         1175         985         985         985         965         970         975           Sip [%]         2.08         1.50         1.50         1.50         3.00         3.00         2.00         220           Reakdown torque [%]         2.29         270         300         330         170         220         220           Service factor         1.25         1.25         1.25         1.00         1.15         1.15           Emperature rise         80 K									
Rated voltage [V]         230/460         380         400         415         380         400         415           Rated current [A]         35.8/17.9         15.5         15.1         14.9         22.0         20.9         20.2           LR. Amperes [A]         229/115         112         119         124         103         111         115           LR. C [A]         6.4x(Code         7.2x(Code J) 7.9x(Code K)8.5x(Code K)4.7x(Code E)5.5x(Code F)5.7x(Code         5.7x(Code E)5.5x(Code F)5.7x(Code         5.7x(Code E)5.5x(Code F)5.7x(Code         5.7x(Code E)5.5x(Code E)5.5x(Code F)5.7x(Code           No load current [A]         14.07.00         7.00         7.40         7.70         7.00         7.40         7.70           Rated speed [RPM]         1175         985         985         985         965         970         975           State forque [%]         2.08         1.50         1.50         1.50         3.50         3.00         2.50           Rated speed [RPM]         1175         640         300         340         350         210         229         250           Service factor         1.25         1.25         1.25         1.00         1.15         1.15         1.15         1.50         1.60			-	-	-	-	-	-	-
Stated current [A]         35.817.5         15.5         15.1         14.9         22.0         20.9         20.2           R. Amperes [A]         229/115         112         119         124         103         111         115           R.C [A]         6.4x(Code G)         7.2x(Code J) 7.9x(Code K)8.3x(Code K)4.7x(Code E)5.3x(Code F)5.7x(Code G)         7.40         7.70         7.00         7.40         7.70           Stated current [A]         14.07.00         7.00         7.40         7.70         7.00         7.40         7.70           Stated forque [K]         2.08         1.50         1.50         3.50         3.00         2.60           Stated forque [%]         2.26         300         340         380         210         229         250           Stared forque [%]         2.60         300         340         380         210         229         250           Stared forque [%]         2.60         300         340         380         210         229         250           Fermperature rise         80 K         80 K <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
R. Amperes [A]         229/115         112         119         124         103         111         115           .RC [A]         6.4x(Code G)         7.2x(Code X)8.3x(Code K)8.3x(Code K)4.7x(Code E)5.3x(Code F)5.7x(Code G)         5.3x(Code F)5.7x(Code G)         5.7x(Code F)5.7x(Code E)5.7x(Code E)5.									
RC [A]         6.4x(Code         7.2x(Code J)         7.9x(Code K)         8.3x(Code K)         4.7x(Code E)         5.3x(Code F)         5.7x(Code C)           No load current [A]         14.0/7.00         7.00         7.40         7.70         7.00         7.40         7.70           Tated speed [RPM]         1175         985         985         965         970         975           Sign [%]         2.08         1.50         1.50         3.00         2.50           Tated forque [1/h]         67.0         53.3         53.3         51.6         81.0         2.20           Scoked rotor torque [%]         229         270         300         330         170         200         220           Scoked rotor torque [%]         229         270         300         360         210         229         220           Scoked rotor torque [%]         260         300         340         360         210         229         250           Femperature rise         80 K         80 K </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
No load current [A]         14.0/7.00         7.00         7.40         7.70         7.00         7.40         7.70         7.00         7.40         7.70         7.00         7.40         7.70         7.00         7.40         7.70         7.00         7.40         7.70         7.00         7.40         7.70         975         510         150         150         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.50         1.20         2.20         270         300         330         170         200         220           Service factor         1.25         1.25         1.25         1.25         1.25         1.25         1.00         1.15         1.15           Fereperature rise         80 K	_RC [A]			7.2x(Code J)	7.9x(Code K	)8.3x(Code K)	4.7x(Code E	5.3x(Code F)	5.7x(Code
Sated speed [RPM]         1175         985         985         985         985         985         985         970         975           Silp [%]         2.08         1.50         1.50         1.50         3.50         3.00         2.50           Sated forque [%]         229         270         300         330         170         200         220           Service factor         1.25         1.25         1.25         1.00         1.15         1.15           feredrown torque [%]         260         300         340         360         210         228         250           service factor         1.25         1.25         1.25         1.00         1.15         1.15           fermperature rise         80 K         80 K<	No load current IA	1		7.00	7.40	7.70	7.00	7.40	7.70
Silp [%]         2.08         1.50         1.50         1.50         3.50         3.00         2.50           Rated torque [%]         67.0         53.3         53.3         53.3         81.6         81.2         80.8           cocked rotor torque [%]         2260         300         340         360         210         229         250           areakdown torque [%]         260         300         340         360         210         229         250           areakdown torque [%]         260         300         340         360         210         229         250           areakdown torque [%]         260         300         340         360         210         125         1.25         1.25         1.00         1.15         1.15           femperature rise         305 (cold)         545 (cold)         525 (cold)         275 (cold)         27									
Rated forque [ft.lb]         67.0         53.3         53.3         63.3         63.3         61.6         81.2         80.6           cocked rotor torque [%]         229         270         300         330         170         200         220           preakdown torque [%]         260         300         340         360         210         229         250           Service factor         1.25         1.25         1.25         1.00         1.15         1.15           Temperature rise         80 K		-							
Breakdown torque [%]         260         300         340         360         210         229         250           Bervice factor         1.25         1.25         1.25         1.25         1.25         1.25         1.25         1.25         1.25         1.25         1.25         1.00         1.15         1.15         Finperature rise         80 K		]	67.0	53.3	53.3	53.3	81.6	81.2	80.8
Service factor         1.25         1.25         1.25         1.25         1.00         1.15         1.15           Termperature rise         80 K         80 L         80 L         80 L         80 L         80 L         90 L         9								200	220
Temperature rise         80 K         15s (hot)	Breakdown torque	[%]							
Locked rotor time         36s (cold)         61s (cold)         54s (cold)         52s (cold)         27s (cold)         27s (cold)         15s (hot)         160 (B(A)         160 (B(A)         160 (B(A) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
20s (hot)         34s (hot)         30s (hot)         29s (hot)         15s (hot) <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Noise level <sup>2</sup> 59.0 dB(A)         56.0 dB(A)         56.	_ocked rotor time								27s (cold) 15s (hot)
Efficiency (%)         50%         91.0         89.0         89.1         89.1         91.0         90.2         90.2         90.2         90.2         91.0           75%         91.7         89.4         89.5         89.5         89.5         90.2         90.2         91.0           100%         91.7         89.4         89.5         89.5         88.5         89.5         90.2         91.0           Power Factor         25%         0.44         0.39         0.36         0.34         0.50         0.47         0.45           Power Factor         50%         0.69         0.64         0.61         0.58         0.75         0.72         0.70           75%         0.80         0.76         0.73         0.71         0.84         0.82         0.81           Ubrication interval         :         0300 h         20000 h         Nax. traction         : 677 lb           Sealing         :         'Ying         VRing         VRing         Max. traction         : 677 lb           Lubrication interval         :         20000 h         20000 h         Max. traction         : 677 lb           Notes         USABLE @208V 39.6A SF 1.15 SFA 45.5A         Mobil Polyrex EM	Noise level <sup>2</sup>		59.0 dB(A)	56.0 dB(A)	56.0 dB(A)	56.0 dB(A)		56.0 dB(A)	56.0 dB(A
Efficiency (%)         75%         91.7         89.4         89.5         89.5         90.2         90.2         91.0           100%         91.7         89.4         89.5         89.5         88.5         89.5         90.2         91.0           Power Factor         25%         0.44         0.39         0.36         0.34         0.50         0.47         0.45           Power Factor         50%         0.69         0.64         0.61         0.58         0.75         0.72         0.70           75%         0.80         0.76         0.73         0.71         0.84         0.82         0.81           100%         0.84         0.82         0.80         0.78         0.86         0.85         0.84           Bearing type         :         6311 C3         6211 C3         Max. traction         :677 lb         Max. compression         :1085 lb           Lubricant amount         :         18 g         11 g         Max. compression         :1085 lb           Ushalt E @208V 39.6A SF 1.15 SFA 45.5A         Mobil Polyrex EM         Max. scompression         :1085 lb           Notes         USABLE @208V 39.6A SF 1.15 SFA 45.5A         Max. scompression         :1085 lb         MG-1.				88.9			92.4		
100%         91.7         89.4         89.5         90.2         90.2         90.2         91.0           100%         91.7         89.4         89.5         89.5         88.5         89.5         90.2         91.0           Power Factor         25%         0.44         0.39         0.36         0.34         0.50         0.47         0.45           Fower Factor         50%         0.69         0.64         0.61         0.58         0.75         0.72         0.70           75%         0.80         0.76         0.73         0.71         0.84         0.82         0.81           100%         0.84         0.82         0.80         0.78         0.86         0.85         0.84           Bearing type         :         6311 C3         6211 C3         Max. traction         : 677 lb         Max. compression         : 1085 lb           Lubricant amount         :         18 g         11 g         Mobil Polyrex EM         Max. compression         : 1085 lb           Notes         USABLE @208V 39.6A SF 1.15 SFA 45.5A         MG-1.         :         MG-1.         :         MG-1.           (1) Looking the motor from the shaft end.         (2) Maproximate weight subject to changes after manufacturing pro	Efficiency (%)								
Power Factor         25%         0.44         0.39         0.36         0.34         0.50         0.47         0.45           50%         0.69         0.64         0.61         0.58         0.75         0.72         0.70           75%         0.80         0.76         0.73         0.71         0.84         0.82         0.81           100%         0.84         0.82         0.80         0.78         0.86         0.85         0.84           Bearing type         :         6311 C3         6211 C3         6211 C3         Max. traction         : 677 lb           Sealing         :         V'Ring         V'Ring         1000 h         20000 h         2000 h         200 h         <									
Power Factor         50%         0.69         0.64         0.61         0.58         0.75         0.72         0.70           75%         0.80         0.76         0.73         0.71         0.84         0.82         0.81           100%         0.84         0.82         0.80         0.76         0.73         0.71         0.84         0.82         0.81           Bearing type         :         6311 C3         6211 C3         Max. traction         :677 lb           Sealing         :         V'Ring         V'Ring         Wax. traction         :677 lb           Lubrication interval         :         20000 h         20000 h         Max. traction         :1085 lb           Notes         USABLE @208V 39.6A SF 1.15 SFA 45.5A         Max         index in 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.         MG-1.         MG-1.           Rev.         Changes Summary         Performed         Checked         Date           Performed by									
Power Factor       75%       0.80       0.76       0.73       0.71       0.84       0.82       0.81         100%       0.84       0.82       0.80       0.78       0.86       0.85       0.84         Bearing type       :       6311 C3       6211 C3       Foundation loads       Max. traction       : 677 lb         Sealing       :       V'Ring       V'Ring       Wax. traction       : 677 lb         Lubrication interval       :       20000 h       20000 h       Max. compression       : 1085 lb         Lubricant amount       :       18 g       11 g       Max. compression       : 1085 lb         Notes       USABLE @208V 39.6A SF 1.15 SFA 45.5A       These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end.       MG-1.         (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.       Performed       Checked       Date         Performed by									
75%     0.80     0.76     0.73     0.71     0.84     0.82     0.81       100%     0.84     0.82     0.80     0.78     0.86     0.85     0.84       Drive end Bearing type     :     6311 C3     6211 C3     Kax. traction     :     677 lb       Sealing     :     V'Ring     V'Ring     Wax. traction     :     677 lb       Lubrication interval     :     20000 h     20000 h     Max. compression     :     1085 lb       Lubricant amount     :     18 g     11 g     Max. traction     :     677 lb       Notes     USABLE @208V 39.6A SF 1.15 SFA 45.5A     Max. traction     :     :     1085 lb       This revision replaces and cancel the previous one, which must be eliminated.     These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.       (2) Measured at 1m and with tolerance of +3dB(A).     :     MG-1.       (3) Approximate weight subject to changes after manufacturing process.     :     Performed     Checked     Date       Performed by	Power Factor								
Drive end Bearing type       Non drive end 6311 C3       Foundation loads         Bearing type       :       6311 C3       6211 C3         Sealing       :       V'Ring       V'Ring         Lubrication interval       :       20000 h       20000 h         Lubricant amount       :       18 g       11 g         Lubricant type       :       Mobil Polyrex EM       Max. compression       :         Notes       USABLE @208V 39.6A SF 1.15 SFA 45.5A       These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.         (1) Looking the motor from the shaft end.       (2) Measured at 1m and with tolerance of +3dB(A).       MG-1.         (3) Approximate weight subject to changes after manufacturing process.       (4) At 100% of full load.       Performed       Checked       Date         Performed by									
Bearing type       :       6311 C3       6211 C3       Max. traction       :       677 lb         Sealing       :       V'Ring       V'Ring       Max. compression       :       1085 lb         Lubrication interval       :       20000 h       20000 h       Max. compression       :       1085 lb         Notes       :       Mobil Polyrex EM       Max. traction       :		100%	1			1	0.86	0.85	0.84
must be eliminated.       power supply, subject to the tolerances stipulated in NEMA         (1) Looking the motor from the shaft end.       mover supply, subject to the tolerances stipulated in NEMA         (2) Measured at 1m and with tolerance of +3dB(A).       MG-1.         (3) Approximate weight subject to changes after manufacturing process.       MG-1.         (4) At 100% of full load.       Performed       Checked         Performed by       Performed by       Page         Revelow       Page       Revision	Sealing Lubrication interv Lubricant amoun Lubricant type Notes	t	: 6311 C3 : V'Ring : 20000 h : 18 g : Mobi	8 6211 ( V'Rin n 20000 11 g I Polyrex EM	C3 Max. tr g Max. c h	action			
Performed by     Performed by     Page     Revision	must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	ed. otor from the m and with t veight subject ocess.	e shaft end. tolerance of +3 ct to changes a	3dB(A). after	power	supply, subject	t to the tolera	nces stipulate	d in NEMA
Checked by Page Revision	Rev.		Changes	Summary		Performe	ed Che	ecked	Date
	Performed by								
							_		

Шер

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



### TORQUE AND CURRENT VS SPEED CURVE

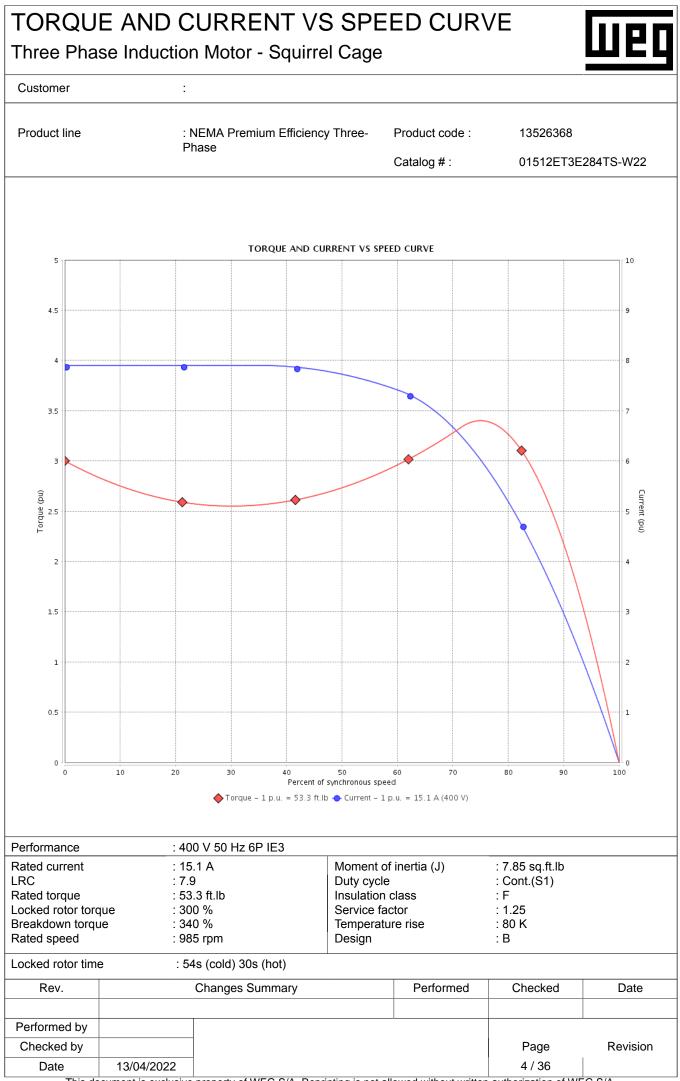
Three Phase Induction Motor - Squirrel Cage

:





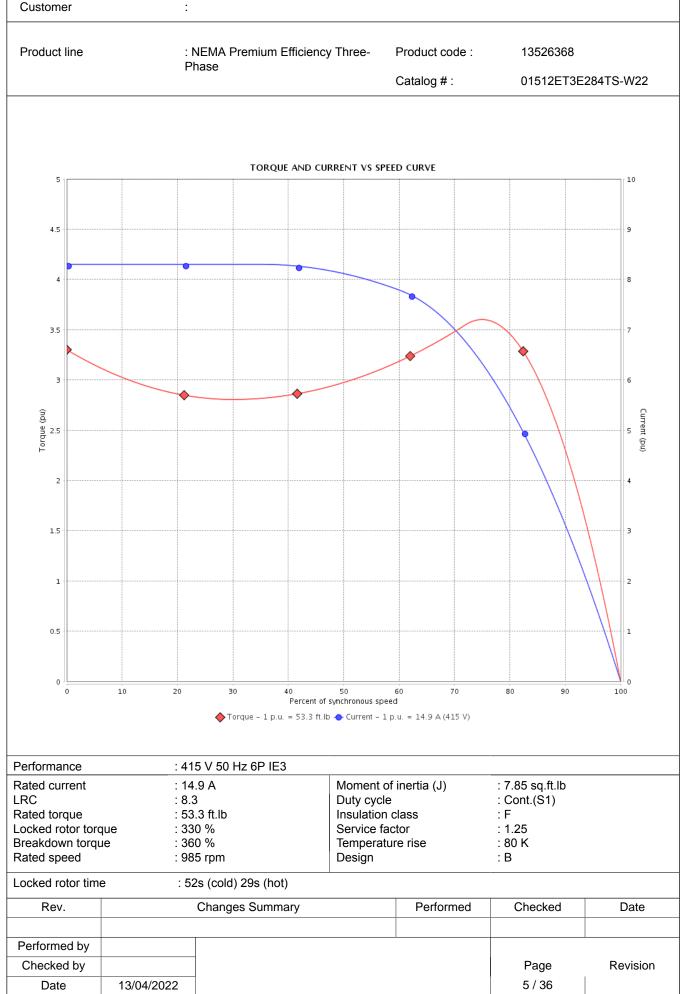
Product line	: NEMA Premium Efficiency 1	Three-	Product code :	13526368	
	Phase		Catalog # :	01512ET3E2	284TS-W22
	TORQUE AND CURR	ENT VS SPEE	D CURVE		
3					10
2.7					9
			•		
2.4					8
2.1	• •				7
1.8					6
(nd)					Curre
(n d) an 1.5 L					Current (pu)
1.2					4
0.9					3
0.6					2
0.3		-			1
0					
0 10	Percent of syn	chronous speed		80 90	100
	� Torque – 1 p.u. = 53.3 ft.lb ◀	Current – 1 p.	u. = 15.5 A (380 V)		
erformance	: 380 V 50 Hz 6P IE3				
ated current		Moment of Duty cycle	inertia (J)	: 7.85 sq.ft.lb : Cont.(S1)	
ated torque	: 53.3 ft.lb	Insulation c		: F : 1.25	
ocked rotor torque Breakdown torque Rated speed	: 300 %	Service fac Temperatur Design		: 1.25 : 80 K : B	
ocked rotor time	: 61s (cold) 34s (hot)			· =	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
-	04/2022			3 / 36	



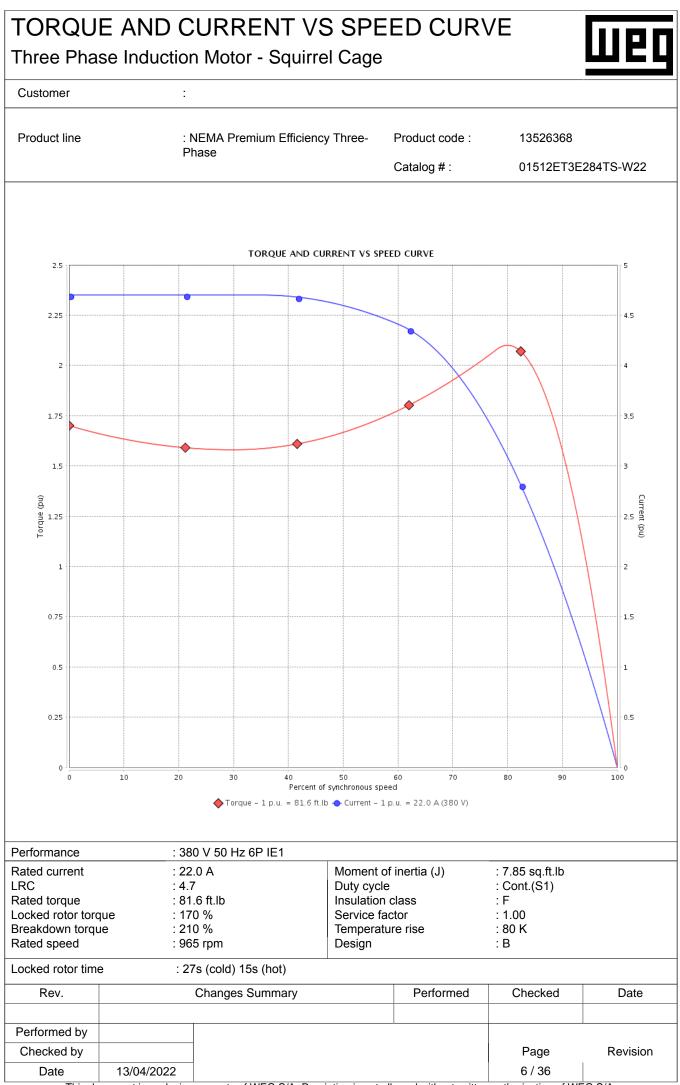
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage





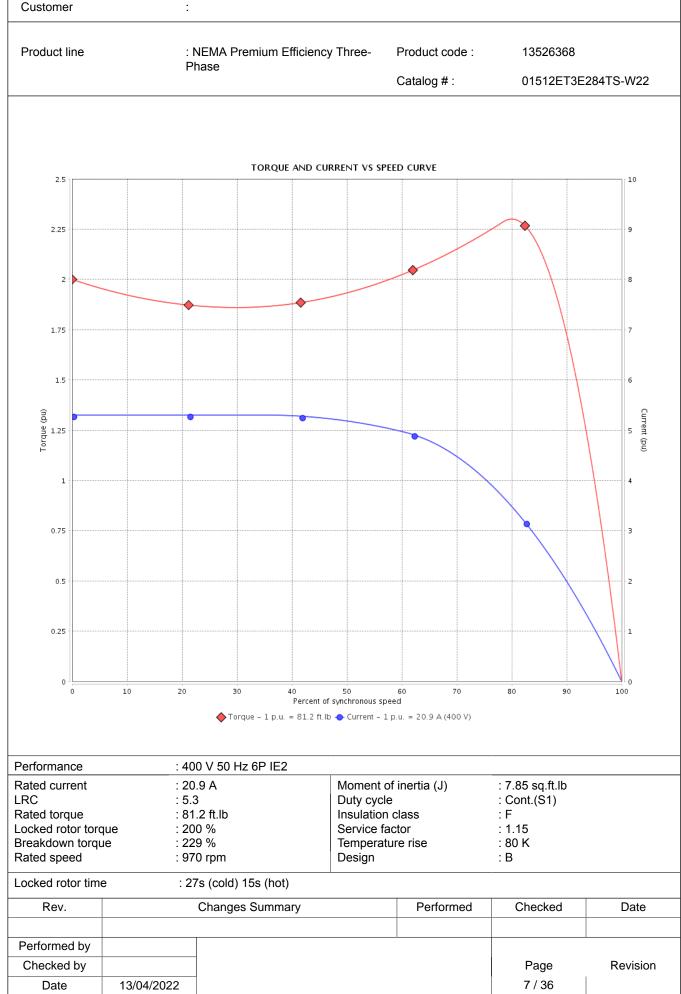
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



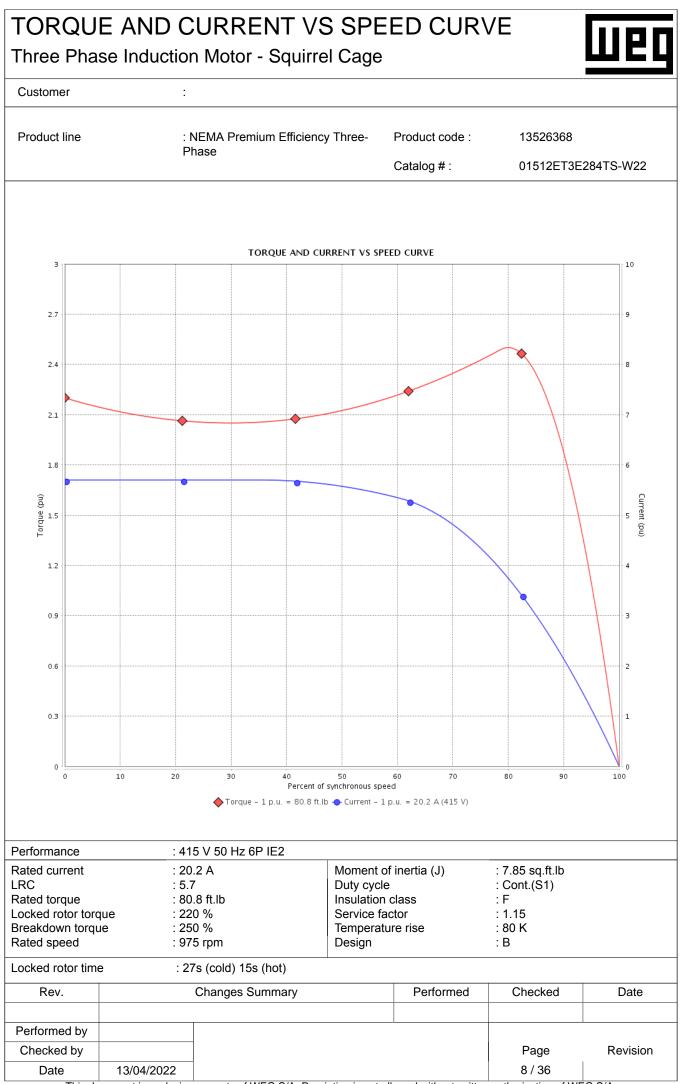
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



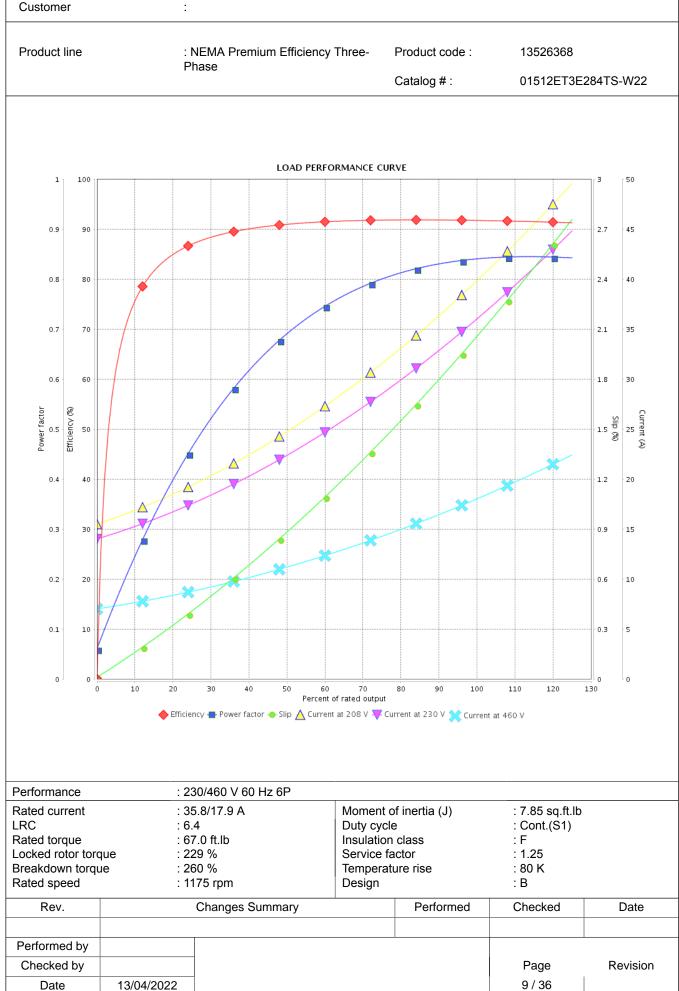


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



Three Phase Induction Motor - Squirrel Cage

#### Customer



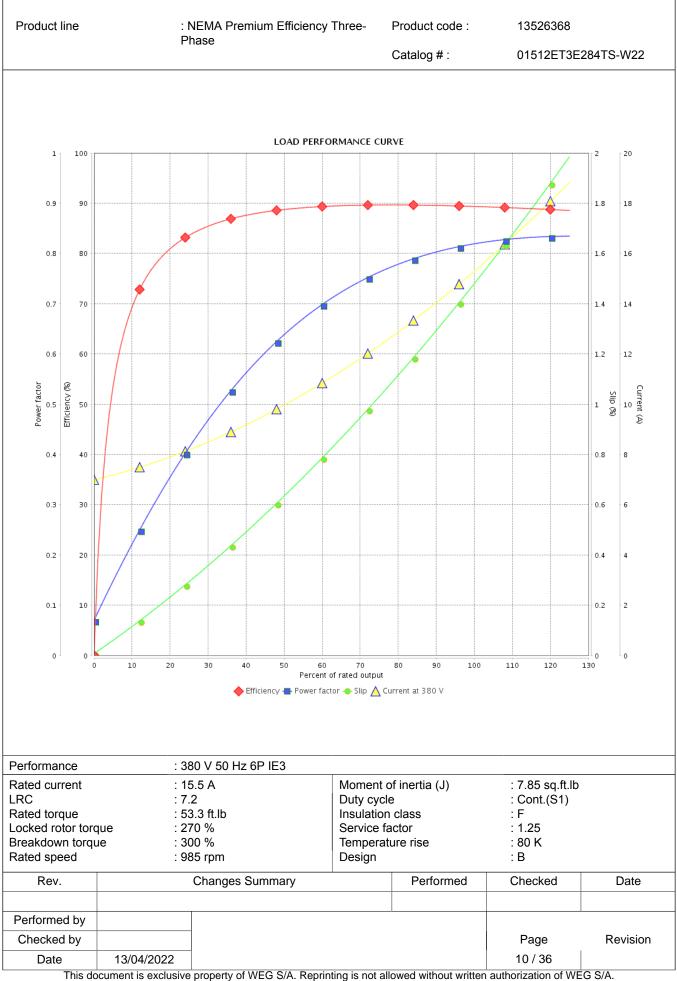
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

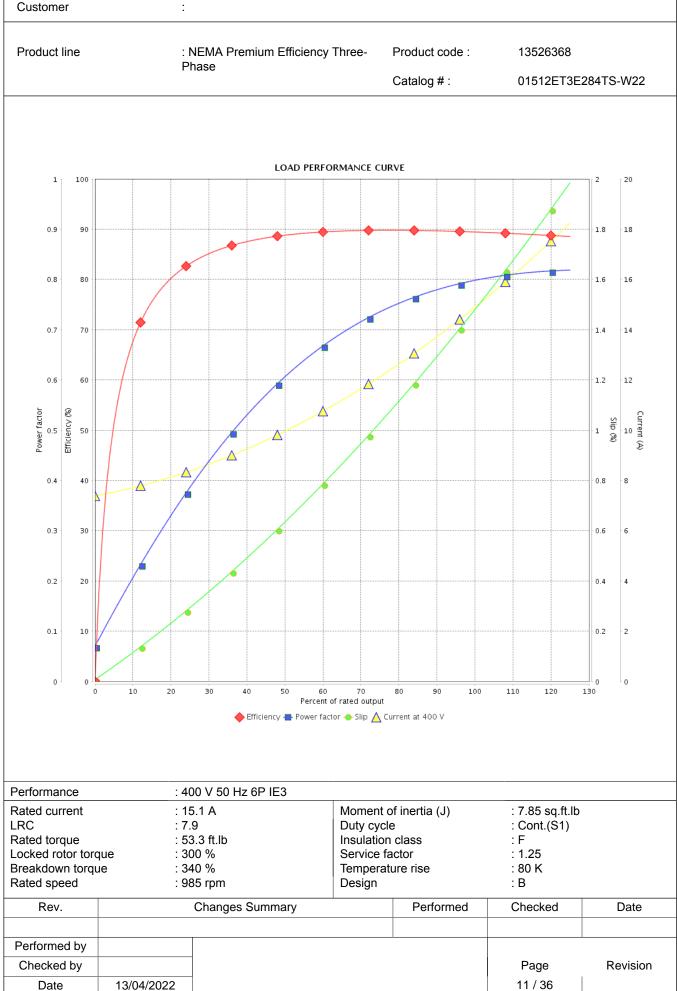


Customer



Three Phase Induction Motor - Squirrel Cage

#### Customer



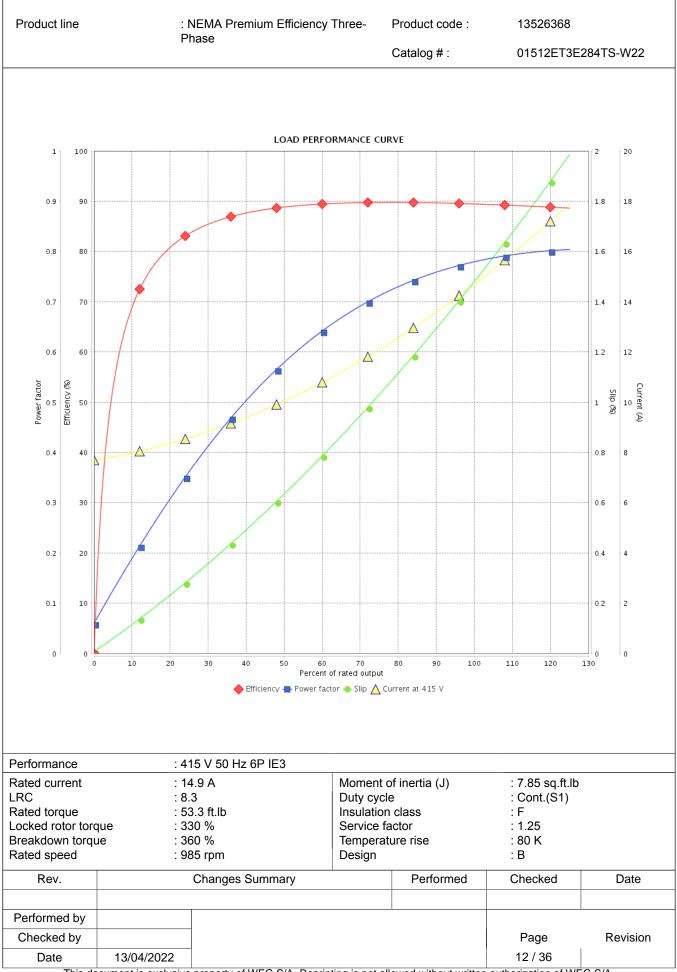
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

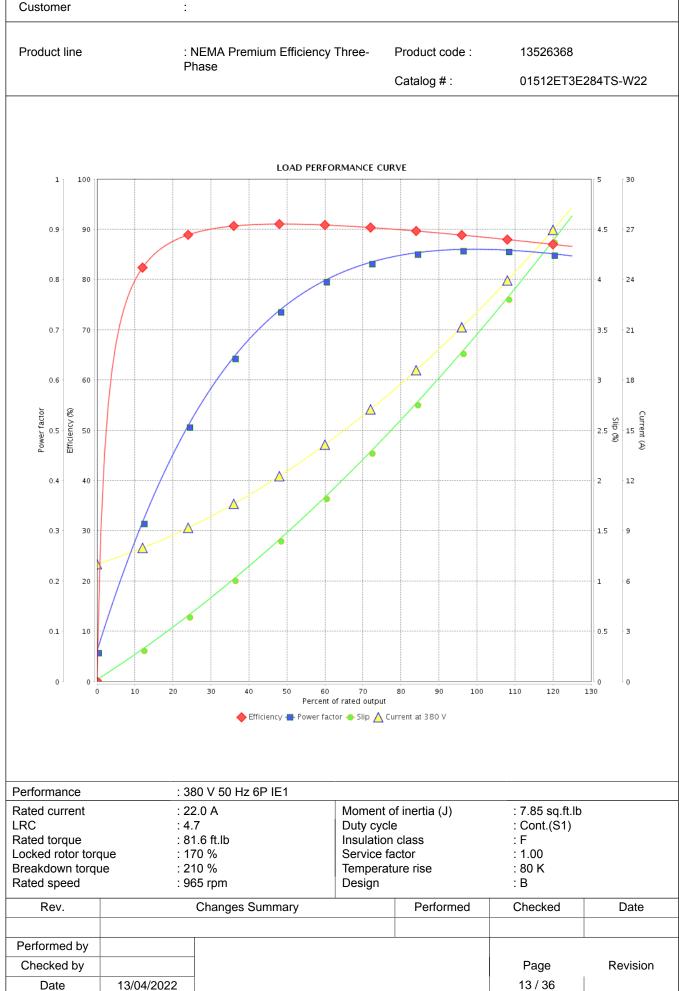


Customer



Three Phase Induction Motor - Squirrel Cage

#### Customer



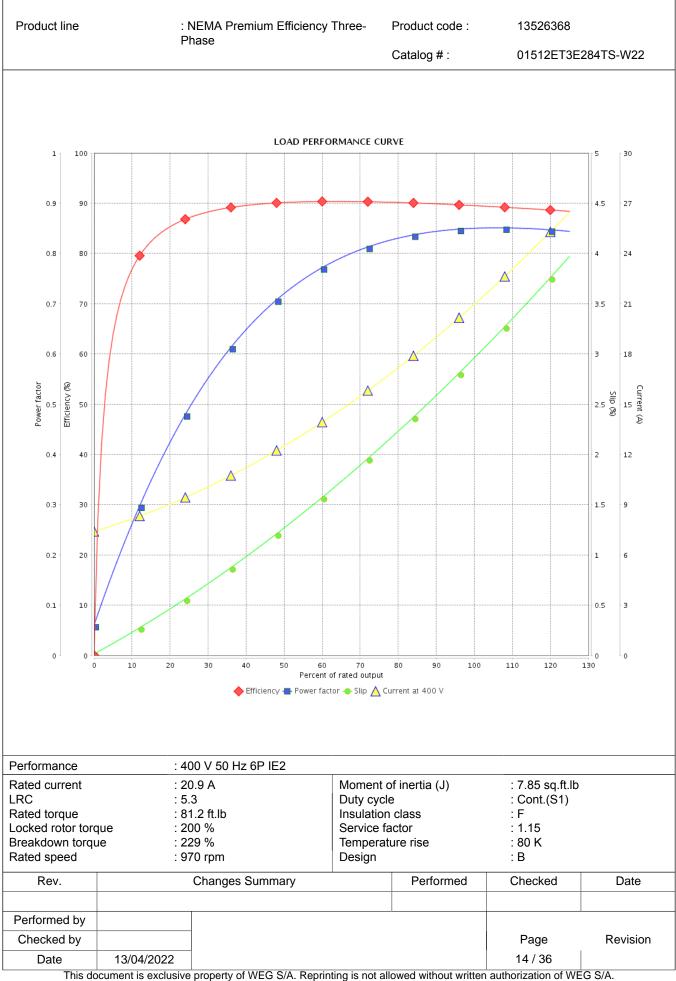
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

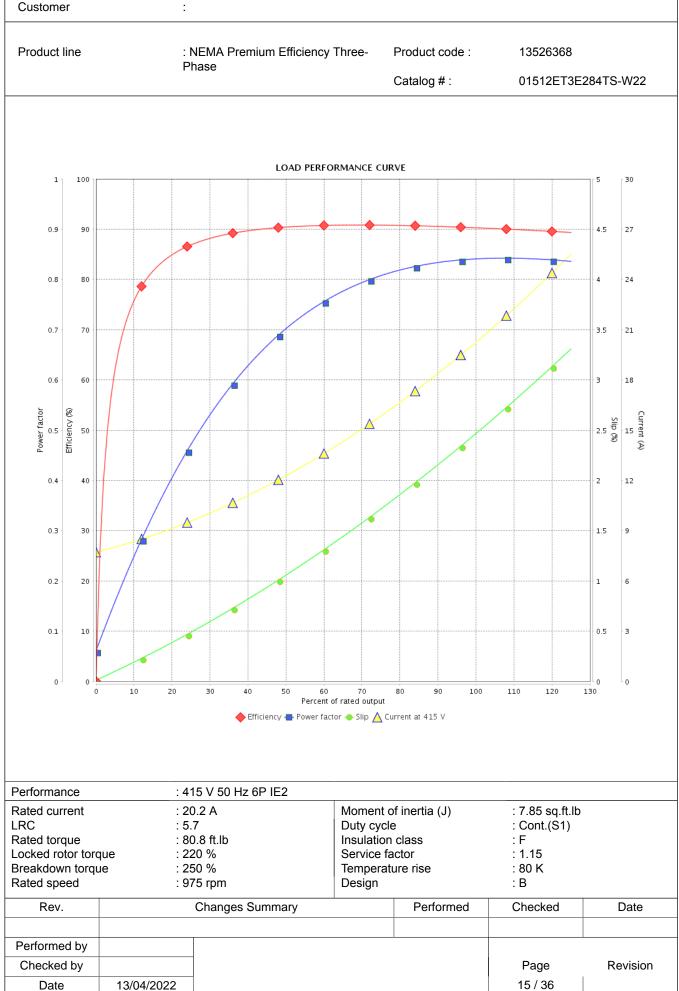


Customer



Three Phase Induction Motor - Squirrel Cage

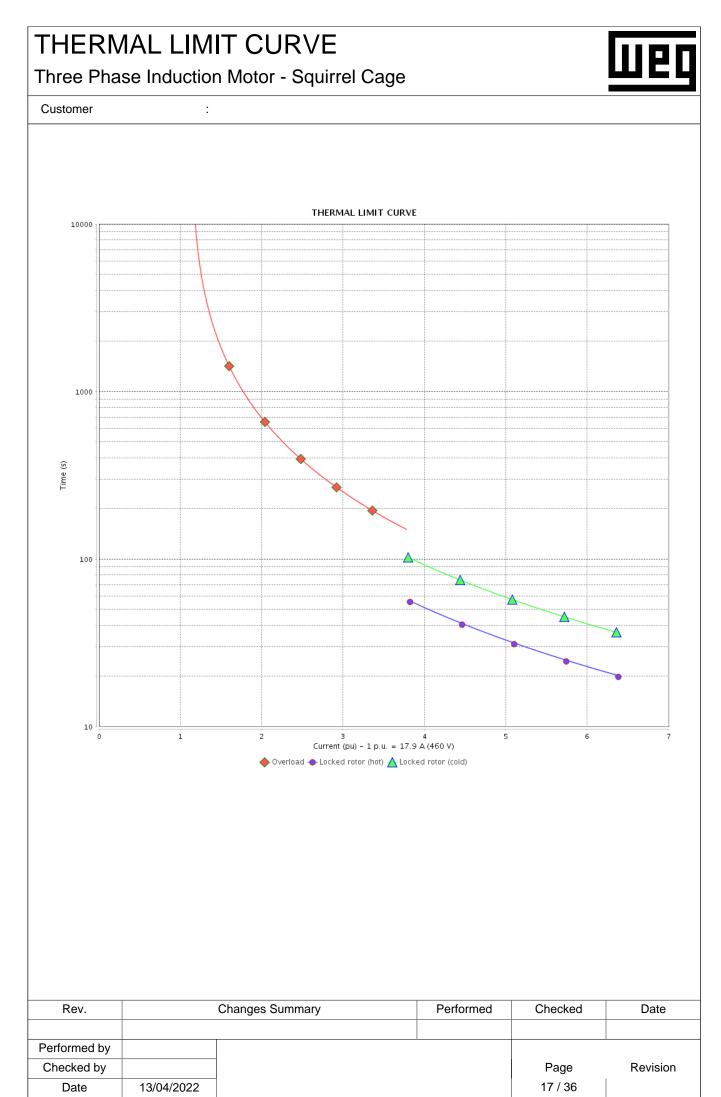
#### Customer



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 Ind	luction Motor - Squirrel C	Cage			
Customer	:				
Product line	: NEMA Premium Efficiency Th	ree- Product code :	13526368		
	Phase	Catalog # :	01512ET3E284TS-W22		
Performance	: 230/460 V 60 Hz 6P				
Rated current LRC	: 35.8/17.9 A M : 6.4 E	Moment of inertia (J) Duty cycle	: 7.85 sq.ft.lb : Cont.(S1)		
Rated torque Locked rotor torque	: 67.0 ft.lb	nsulation class Service factor	: F : 1.25		

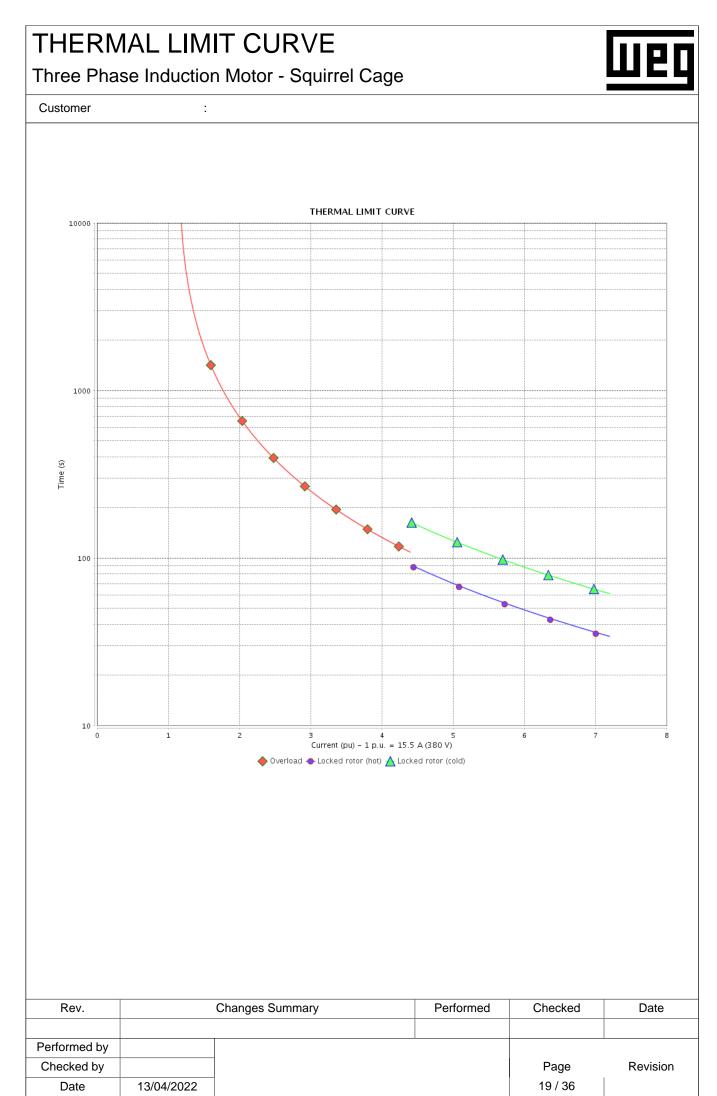
Locked rotor toro Breakdown torqu Rated speed	le :2	29 % 60 % 175 rpm		Service factor Temperature rise Design		
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				16 / 36	



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

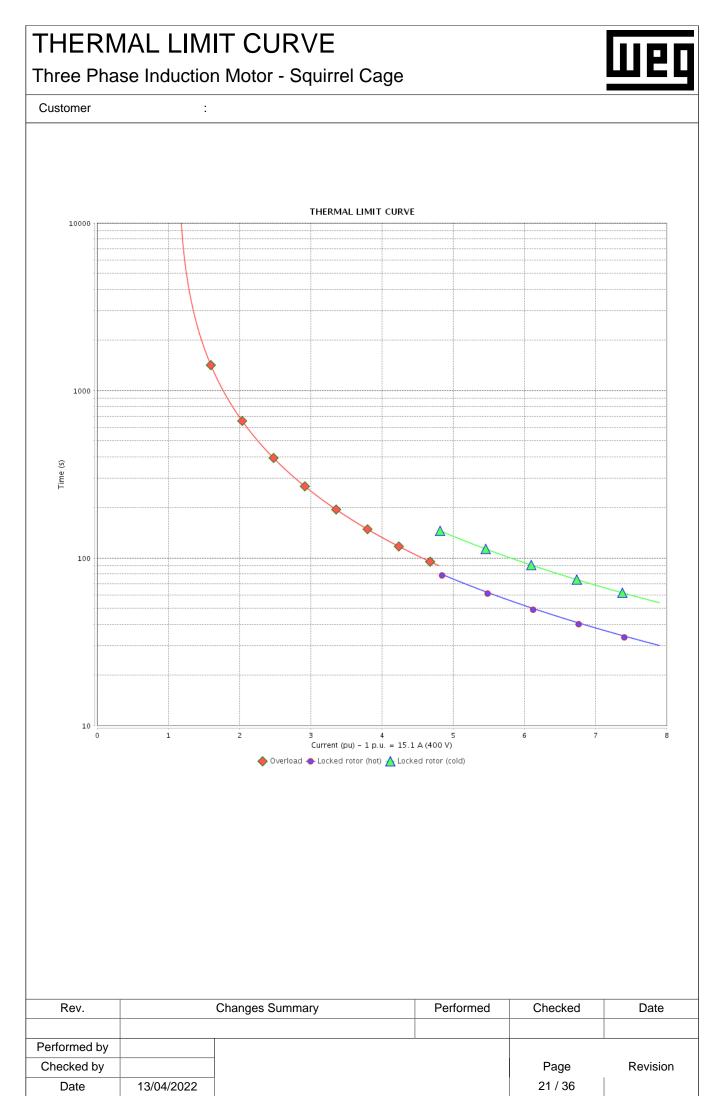
THERMAL LI Three Phase Induc	MIT CURVE tion Motor - Squirrel	Cage		Шер
Customer	:			
Product line	: NEMA Premium Efficiency Phase	Three-	Product code : Catalog # :	13526368 01512ET3E284TS-W22
Performance	: 380 V 50 Hz 6P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 15.5 A : 7.2 : 53.3 ft.lb : 270 % : 300 % : 985 rpm	Moment Duty cyc Insulatio Service f Tempera Design	n class factor	: 7.85 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B
Heating constant				

Heating constant	t				
Cooling constant	t				
Rev.		Changes Summary	Performed	Checked	Date
Performed by					I
Checked by		-		Page	Revision
Date	13/04/2022			18 / 36	



<b></b>			
	LIMIT CURVE uction Motor - Squirrel C	Cage	Шер
Customer	:		
Product line	: NEMA Premium Efficiency Th Phase	ree- Product code : Catalog # :	13526368 01512ET3E284TS-W22
Performance	: 400 V 50 Hz 6P IE3		
Rated current LRC Rated torque	: 7.9 E : 53.3 ft.lb Ir	Aoment of inertia (J) Duty cycle Insulation class	: 7.85 sq.ft.lb : Cont.(S1) : F
Locked rotor torque Breakdown torque Bated speed	: 340 % T	Service factor Temperature rise Design	: 1.25 : 80 K : B

Locked rotor tor Breakdown torq Rated speed	que ::	300 % 340 % 985 rpm	Service factor Temperature rise Design		: 1.25 : 80 K : B	
Heating constan	nt					
Cooling constan	ıt					
Rev.		Changes Summary	/	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022	1			20 / 36	



THERMAL LI Three Phase Induc	MIT CURVE	Cage	шед
Customer	:		
Product line	: NEMA Premium Efficiency Phase	Three- Product code : Catalog # :	13526368 01512ET3E284TS-W22
Performance	: 415 V 50 Hz 6P IE3		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 14.9 A : 8.3 : 53.3 ft.lb : 330 % : 360 % : 985 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 7.85 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B

Performed by					
Checked by				Page	Re
Date	13/04/2022			22 / 36	
This do	cument is exclusive	property of WEG S/A. Reprinting is not allo	owed without writter	authorization of WE	G S/A.
		Cubicat to above up to with out o			

Changes Summary

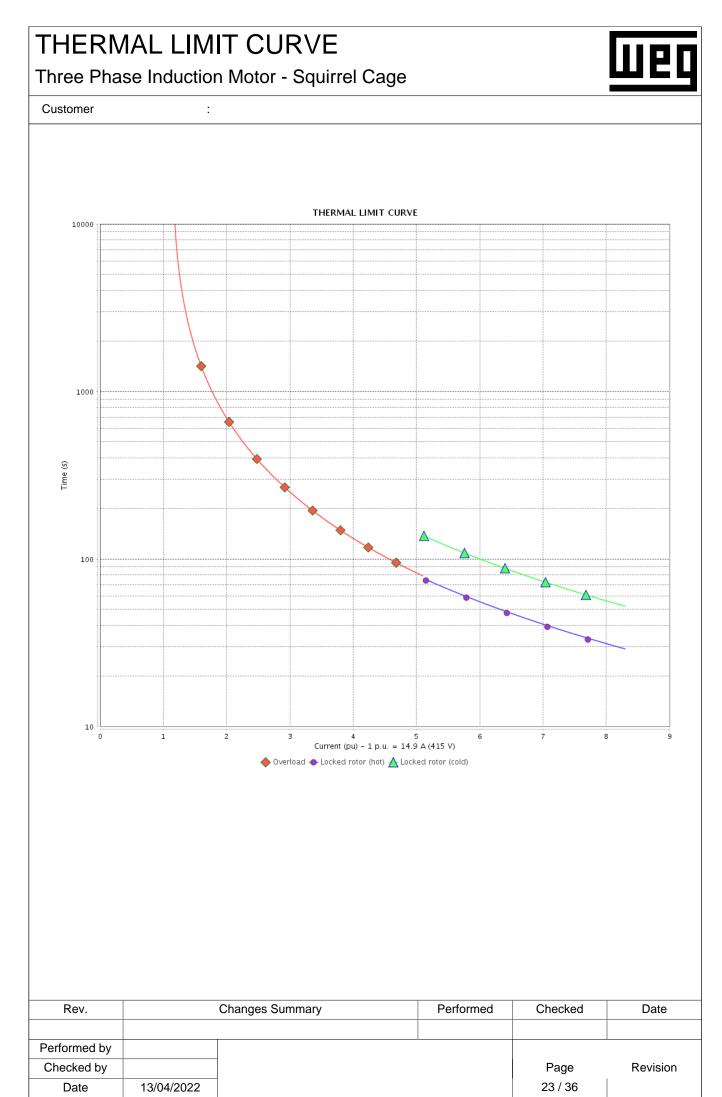
Heating constant Cooling constant Rev.

Performed

Checked

Date

Revision



THERMAL LI Three Phase Induc	MIT CURVE tion Motor - Squirrel	Cage	Шер
Customer	:		
Product line	: NEMA Premium Efficiency Phase	Three- Product code : Catalog # :	13526368 01512ET3E284TS-W22
Performance	: 380 V 50 Hz 6P IE1		
Rated current LRC Rated torque Locked rotor torque	: 22.0 A : 4.7 : 81.6 ft.lb : 170 %	Moment of inertia (J) Duty cycle Insulation class Service factor	: 7.85 sq.ft.lb : Cont.(S1) : F : 1.00
Breakdown torque Rated speed	: 210 % : 965 rpm	Temperature rise Design	: 80 K : B

Performed

Checked

Page

24/36

Date

Revision

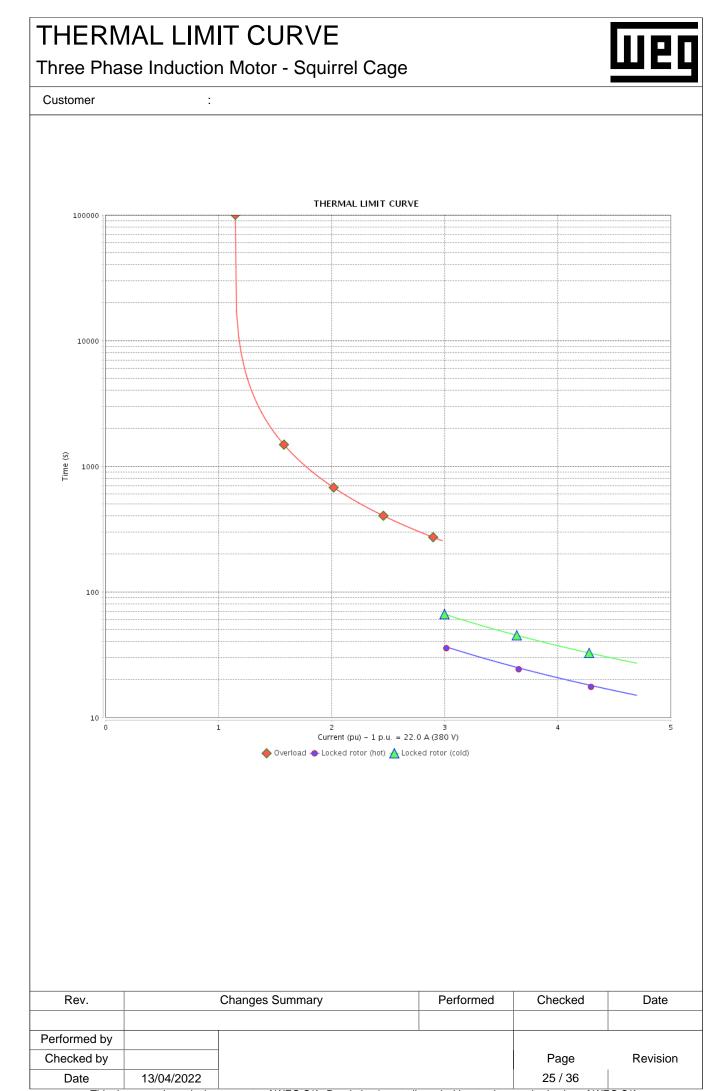
Changes Summary

Heating constant Cooling constant Rev.

Performed by Checked by

Date

13/04/2022

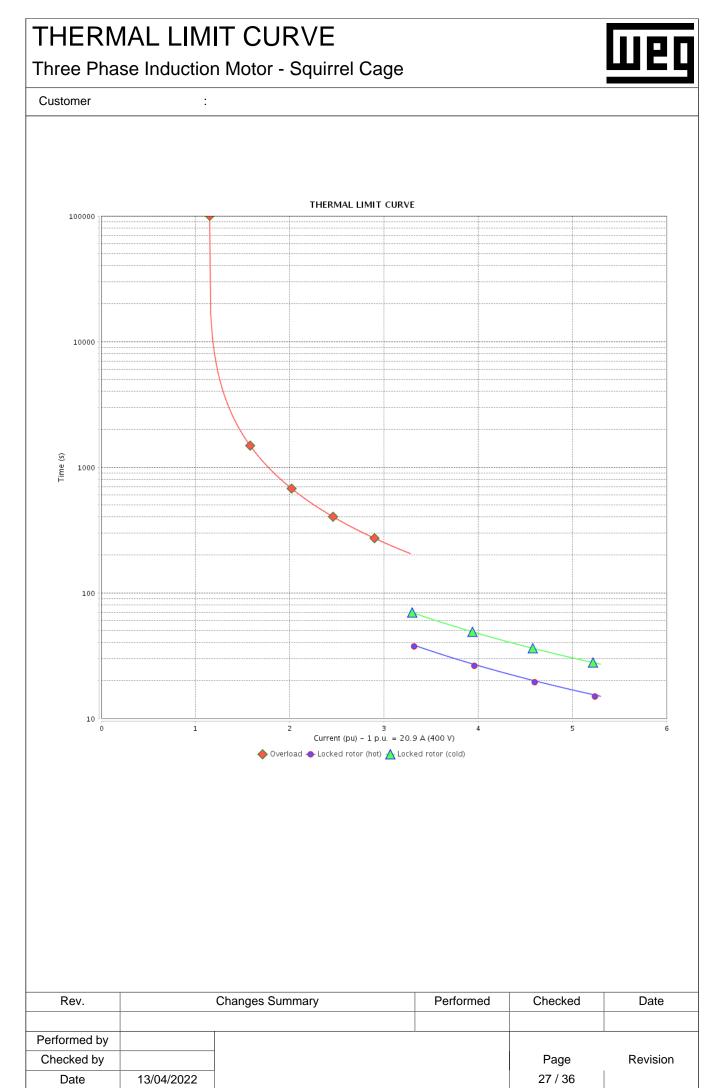


<b></b>			
	LIMIT CURVE	Cage	Шер
Customer	:		
Product line	: NEMA Premium Efficiency Th Phase	ree- Product code : Catalog # :	13526368 01512ET3E284TS-W22
Performance	: 400 V 50 Hz 6P IE2		
Rated current LRC		Moment of inertia (J) Duty cycle	: 7.85 sq.ft.lb : Cont.(S1)
Rated torque		nsulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque		emperature rise	: 80 K

Rated torque Locked rotor toro Breakdown torqu Rated speed	que : 2 Je : 2	1.2 ft.lb 00 % 29 % 70 rpm	Servi	ation class ce factor perature rise gn	: F : 1.15 : 80 K : B	
Heating constant	t					
Cooling constant	t					
Rev.		Changes Summa	ary	Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision
Date	13/04/2022				26 / 36	

 ie
 13/04/2022
 26 / 36

 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
 26 / 36



THERMAL LIMIT CURVE         Three Phase Induction Motor - Squirrel Cage				
Customer	:			
Product line	: NEMA Premium Efficiency T Phase	Three- Product code : Catalog # :	13526368 01512ET3E284TS-W22	
Performance	: 415 V 50 Hz 6P IE2			
Rated current LRC	: 20.2 A : 5.7	Moment of inertia (J) Duty cycle	: 7.85 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque	: 80.8 ft.lb : 220 %	Insulation class Service factor	: F : 1.15	
Breakdown torque Rated speed	: 250 % : 975 rpm	Temperature rise Design	: 80 K : B	

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

Performed

Checked

Page

28/36

Date

Revision

Changes Summary

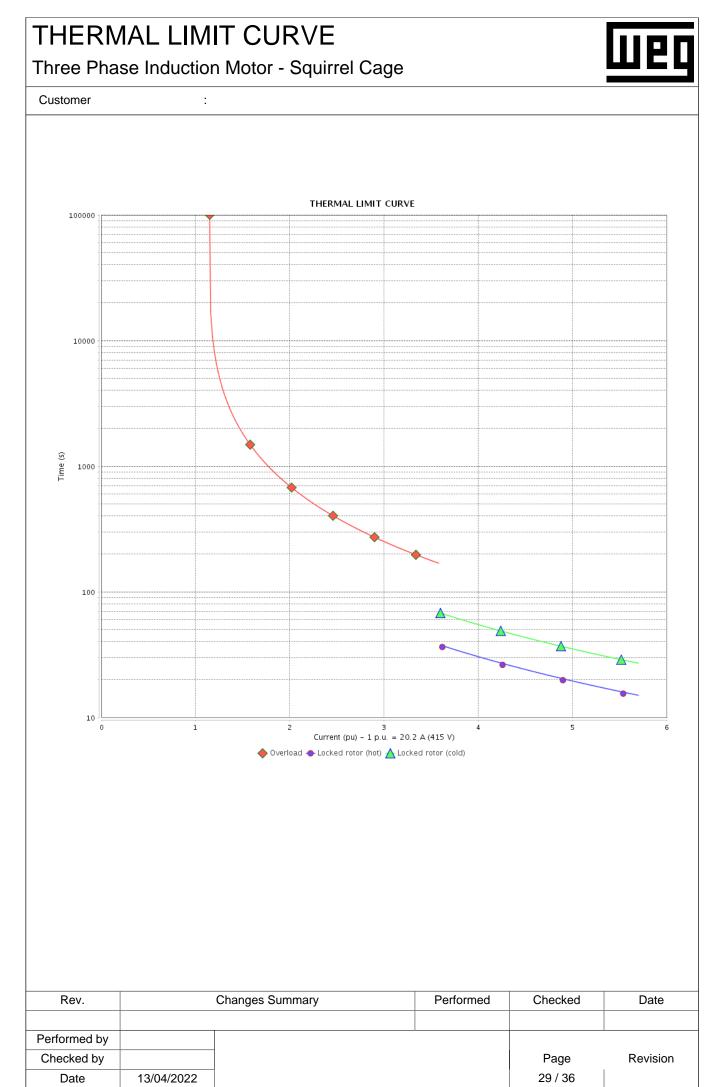
Heating constant Cooling constant Rev.

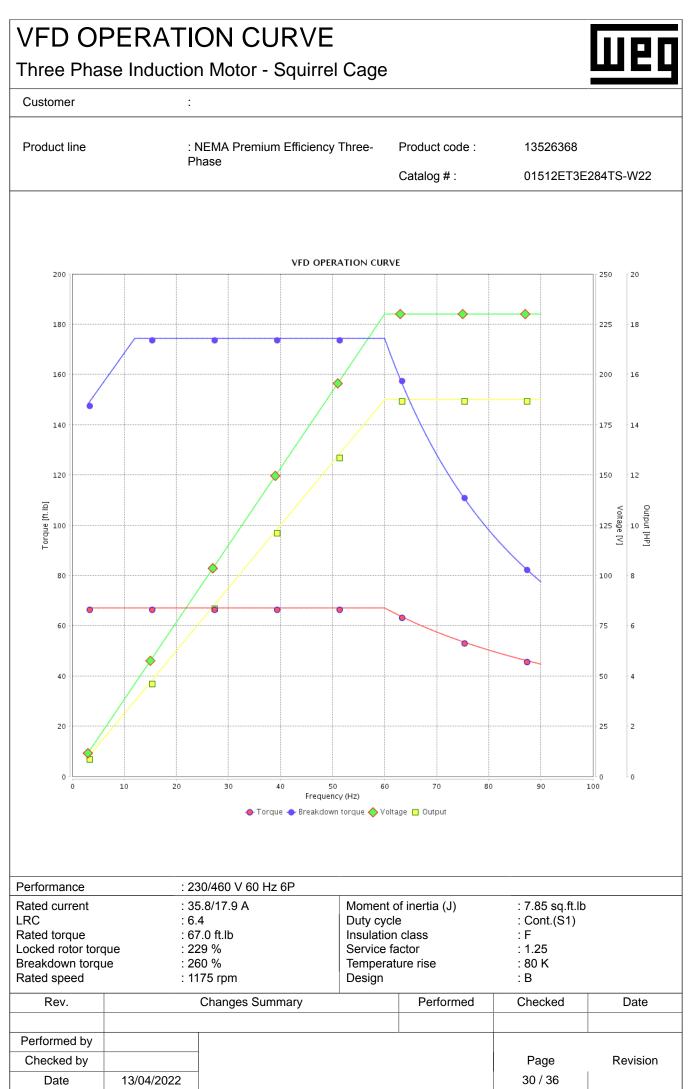
Performed by Checked by

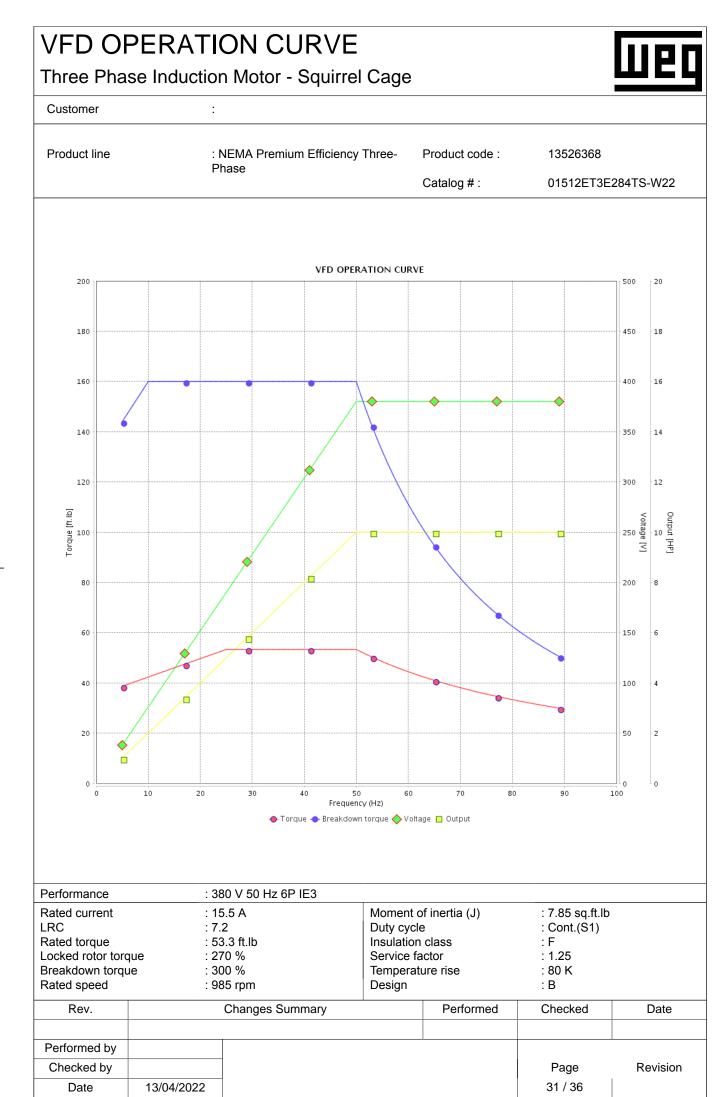
Date

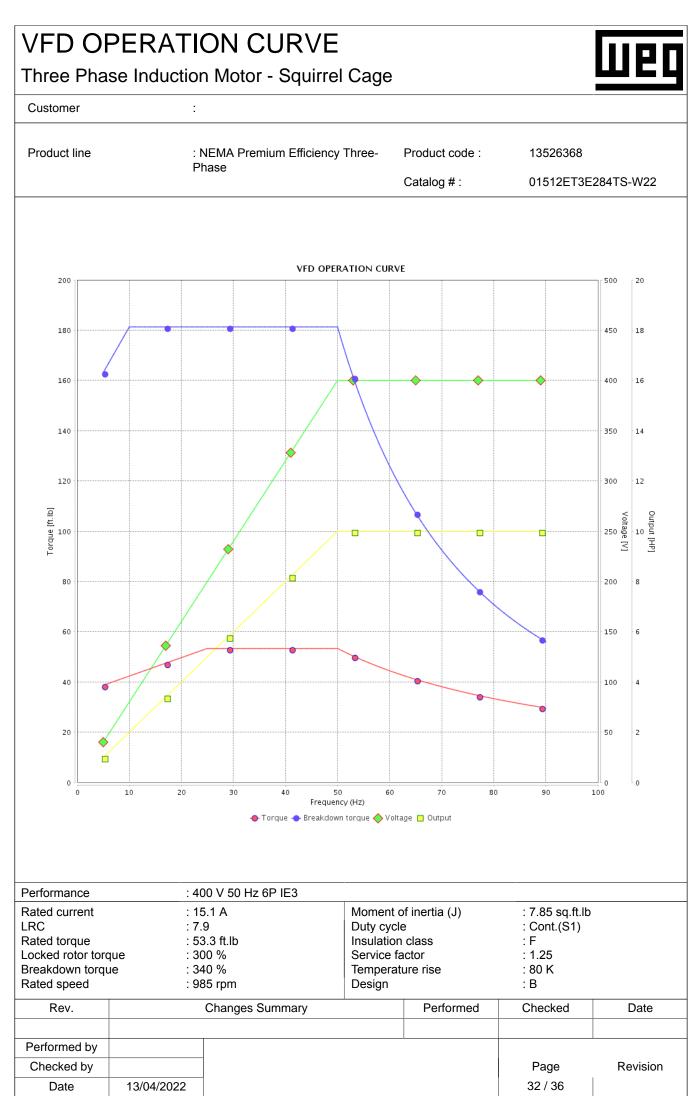
13/04/2022

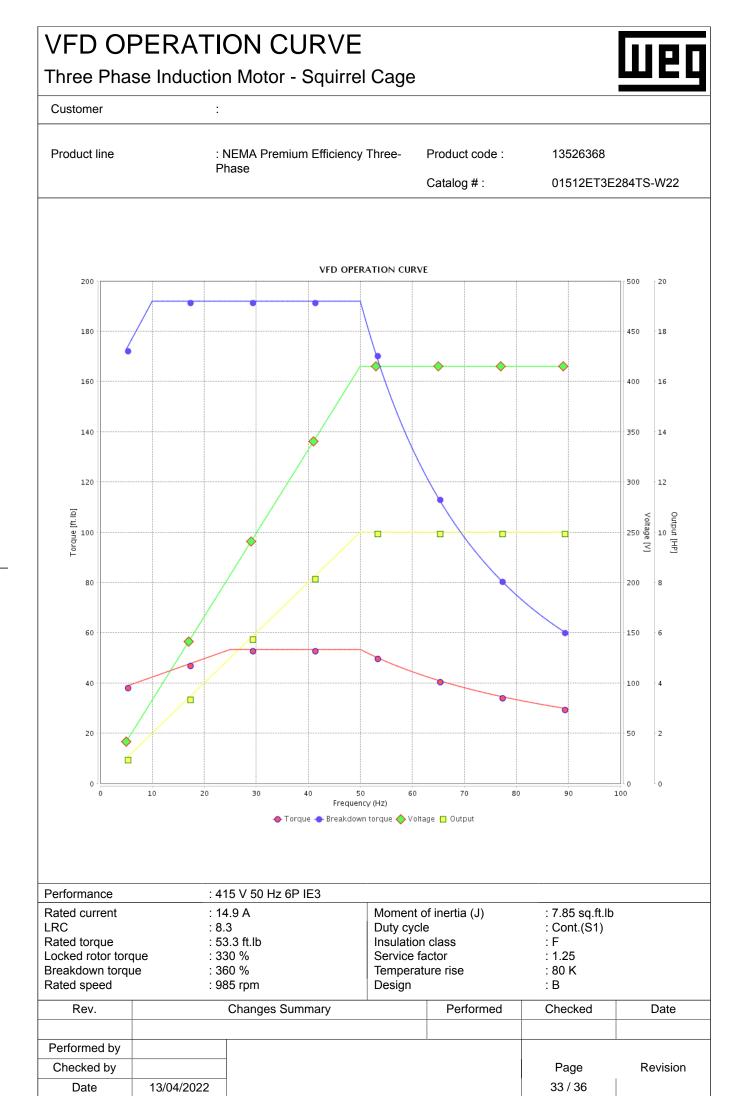
This document is

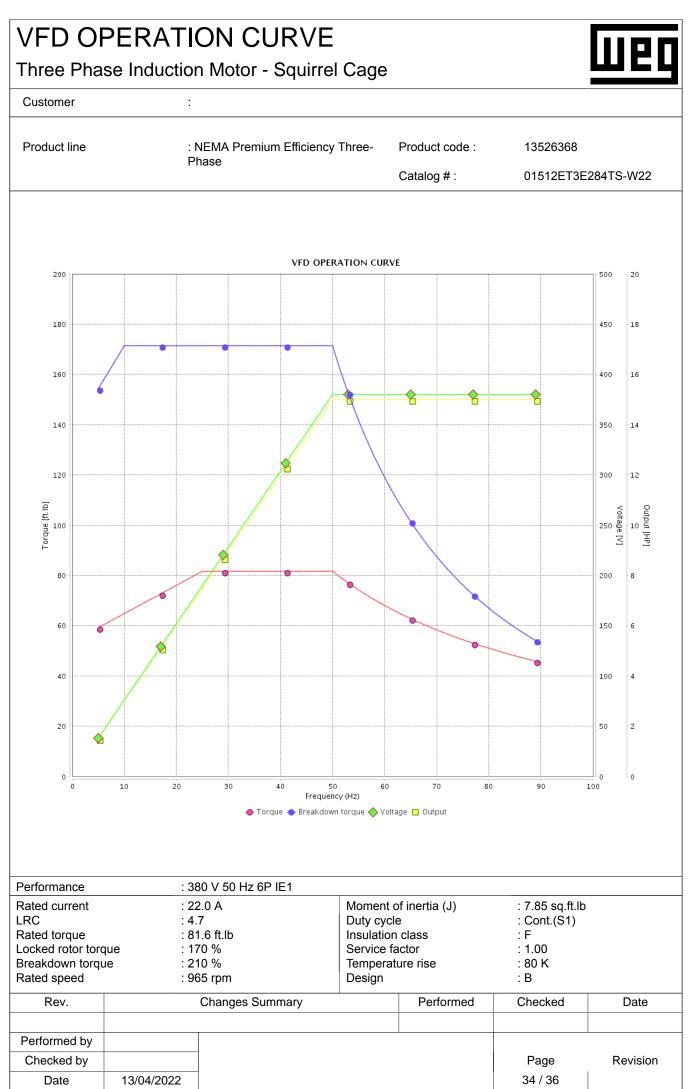


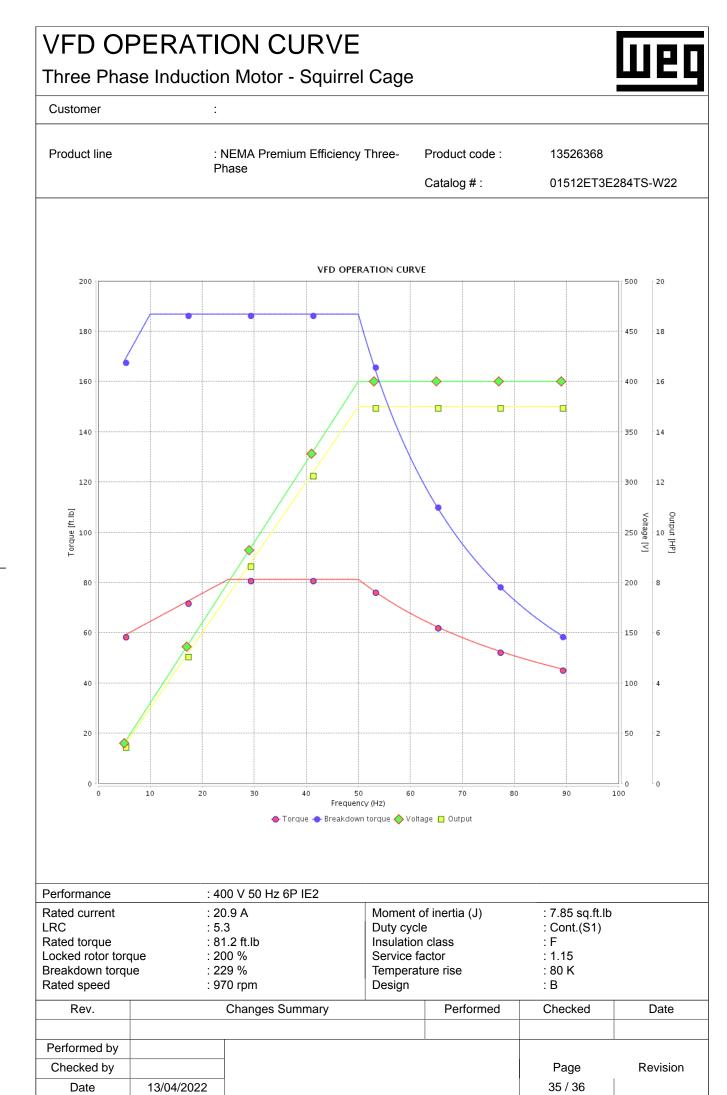


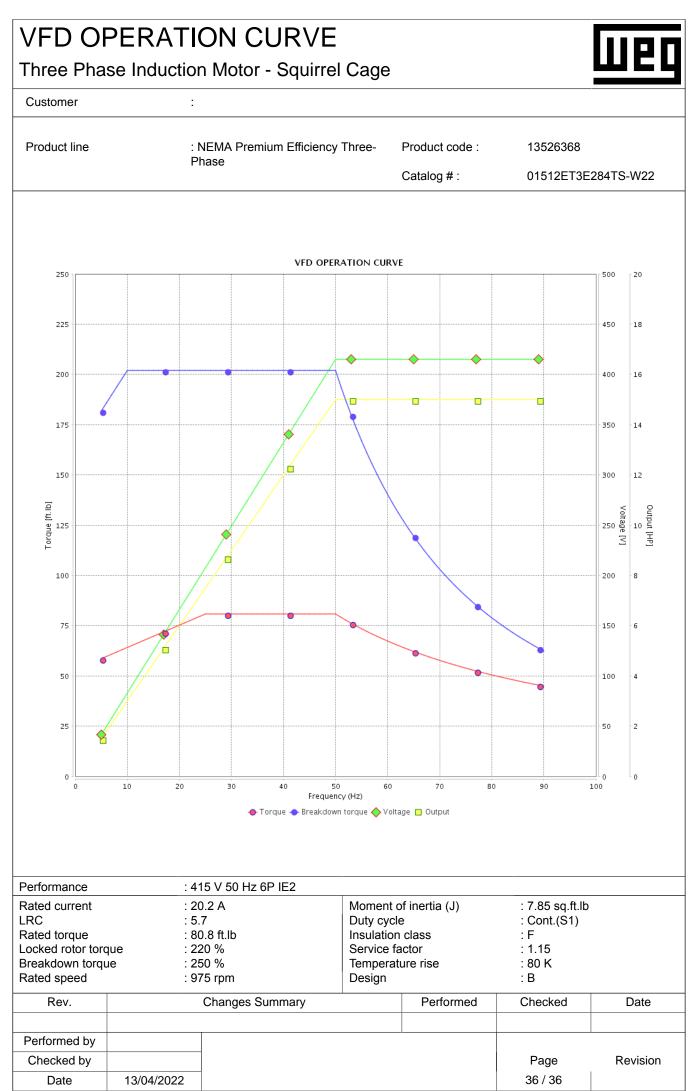


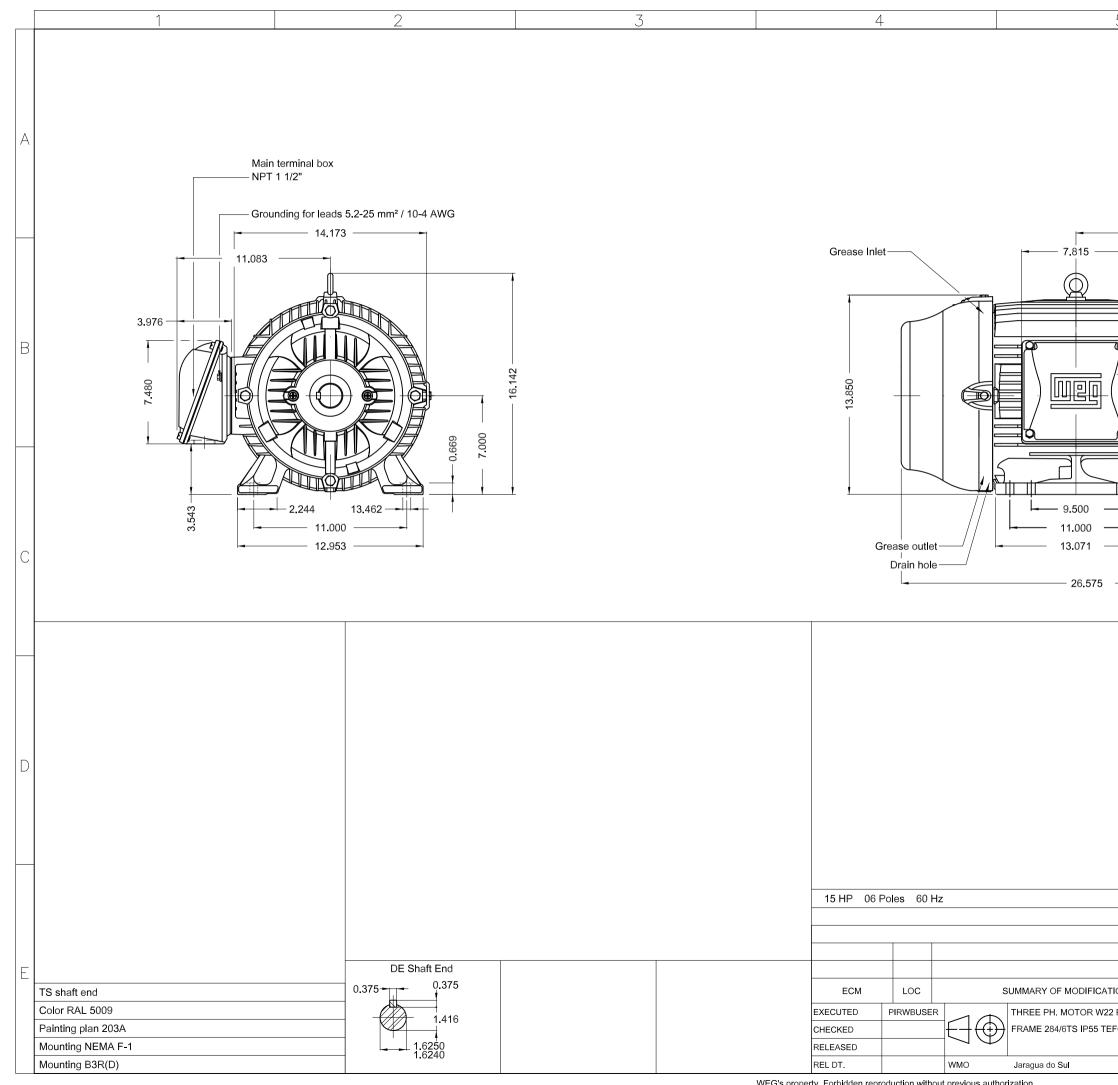












WEG's property. Forbidden reproduction without previous authorization.

5		6	
<u>.</u>		0	
	Grease Inlet		
4.750	3.250 Grease Drain h	e outlet hole	
			Dimensions in Inches
			A
IONS EFF. FC Product En	PF WD	cked release REVIEW D   1 / 1	VER P3 XWE
	I		 ^

