# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

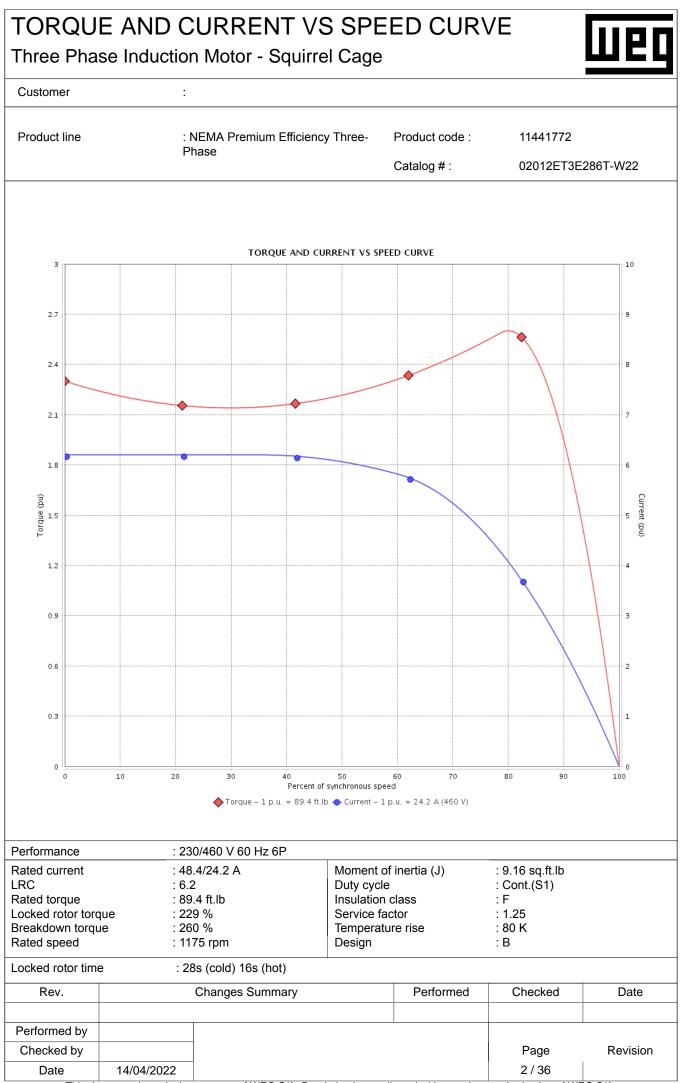
#### Customer

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Product line		: NEMA Premium Efficiency Three- Phase			Product code	e: 11	11441772 02012ET3E286T-W22		
Insulation class         : F         Mounting         : F-1         Cont (S1)           Ambient temperature         : 20°C to +40°C         Starting method         : Direct (On Line           Ambient temperature         : 1000 m.s.l.         Starting method         : Direct On Line           Protection degree         : P55         15         20         20         20           Dutput [HP]         20         15         15         20         20         20           Frequency [Hz]         60         6 <th></th> <th colspan="3">Phase</th> <th></th> <th colspan="2">Catalog # :</th>		Phase				Catalog # :				
Duty cycle         : Cort. (S1)         Rotation*         : Bath (CW)         : Bath (CW)           Attitude         : 200° to +40°C         : Surfing method         : 9.16 sq.ft.lb           Attitude         : P55         : B         : 9.16 sq.ft.lb         : 9.16 sq.ft.lb           Duty (IPP)         20         15         15         15         20         20         20           Ordes         6										
Ambient temperature protection degree         : 20°C to '40°C : 1000 m.s.t.         Starting method protection degree         Direct On Line Approx.weight 30 prox.weight 30 prox.wei								-	CCW)	
Protection degree         : IP55         Moment of inertia (J)         : 9.16 sq.ft.lb           Dutput [HP]         20         15         15         15         20         20           Poles         6		ature	: -20°C to +		Starti	ng method		•	,	
Design         : B         Control (HP)         20         15         15         20         20         20           Ordes         6				s.l.						
Dutput [HP]         20         15         15         15         20         20         20           Fores         6	0	e			Mome	ent of inertia (J	) :9	.16 sq.ft.lb		
Opes         6	-					_			1	
Frequency [Hz]         60         50         50         50         50         50           Stated vorlage [V]         230/460         380         400         415         380         400         415           R. Amperes [A]         300/150         147         155         156         141         149         158           R. Amperes [A]         300/150         147         155         156         141         149         158           O load current [A]         19.09.50         9.40         10.0         10.6         9.40         10.0         10.6           Stated speed [RPM]         1175         980         982         983         965         970         976           Sign [%]         2.08         2.00         1.80         1.70         3.50         3.00         2.00         220         200         215         (colo 125										
Pared voltage [V]         230/460         380         400         415         380         400         415           Rated current [A]         48.4/24.2         22.0         21.2         20.8         29.9         28.1         27.2           R. Amperes [A]         300/150         147         155         156         141         149         158           R.C [A]         6.2x(Code 6.7x(Code H)7.3x(Code J)7.5x(Code J)7.5x(Code J)4.7x(Code E)5.3x(Code F)         5.8x(Cod         G)         G)         G)           to load current [A]         19.09.50         9.40         10.0         10.6         9.40         10.0         10.6         9.40         10.0         10.6         9.40         10.0         10.8         10.0         10.8         10.0         10.6         3.00         2.50         3.00         2.50			-	-	-	-	-	-	-	
Bated current [A]         448.4/24.2         22.0         21.2         20.8         29.9         28.1         27.2           R. Amperes [A]         300/150         147         155         156         141         149         158           R.C [A]         6.2x(Code         6.7x(Code H)         7.3x(Code J)         7.5x(Code J)         4.7x(Code E)         5.8x(Cod         G)         0         10.0         10.6         9.40         10.0         10.6         9.40         10.0         10.6         9.40         10.0         10.6         9.40         10.0         10.6         3.50         3.00 (2.50         2.00         1.80         1.70         3.50         3.00         2.50         2.20         240         2.00         1.70         3.50         3.00         2.50         2.20         240         2.00         1.15         1.100         1.15         1.15         1.00         1.15         1.15         1.00         1.15         1.15         1.00         1.15         1.15         1.00         1.15         1.15         1.00         1.25         (0.1)         2.5         (0.1)         2.5         (0.1)         2.5         (0.1)         2.5         (0.1)         2.5         (0.1)         2.5         (								1		
I.R. Amperes [Å]         300/150         147         155         156         141         149         158           I.RC [Å]         6.2x(Code         6.7x(Code H) 7.3x(Code J) 7.5x(Code J) 7.5x(Code J) 4.7x(Code E) 5.3x(Code F)         5.8x(Cod G)           io load current [Å]         19.09.50         9.40         10.0         10.6         9.40         10.0         10.6           stated speed [RPM]         1175         980         982         983         965         970         975           Stated speed [RPM]         2.08         2.00         1.80         1.70         3.50         3.00         2.50           stated torout [%]         2.29         2.29         229         220         220         220         240           service factor         1.25         1.00         1.15         1.15         1.00         1.15         1.15         1.00         1.15         1.15         1.00         1.15         1.00         1.25         (ob)         126 (ob)										
RC [A]         6.2x(Code         6.7x(Code H)         7.5x(Code J)         7.5x(Code J)         4.7x(Code E)         5.3x(Code F)         6.8x(Cod G)           io load current [A]         19.09.50         9.40         10.0         10.6         9.40         10.0         10.6           Stated speed [RPM]         1175         980         982         983         965         970         975           Stated forque [fth]         89.4         80.4         80.2         80.1         109         10.8         108           cocked rotor torque [%]         229         229         270         280         170         200         210           preakdown torque [%]         229         229         270         280         170         200         210           iernyceratoris         80 K         105 K         80 K           cocked rotor time         28 (cold)         12 (cold)         21 (cold)         22 (cold)         20 (cold)         20 (cold)         20 (cold)										
Ioloa Current [A]         19.09:50         9.40         10.0         10.6         9.40         10.0         10.6         9.40         10.0         10.6         9.40         10.0         10.6         8.40         10.0         10.6         8.40         10.0         10.6         8.40         10.0         10.6         9.40         10.0         10.6         9.40         10.0         10.6         9.40         10.0         10.6         9.40         10.0         10.6         8.40         10.0         10.5         10.0         1.15         1.15         1.00         1.15         1.15         1.00         1.15         1.10         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.25         1.00         1.25         1.00         1.25         1.00         1.25         1.00         1.25         1.00         1.25         1.00         1.00				6.7x(Code H)	7.3x(Code J	) 7.5x(Code J)	4.7x(Code E)	5.3x(Code F)		
Sated speed [RPM]         1175         980         982         983         965         970         975           Slip [%]         2.08         2.00         1.80         1.70         3.50         3.00         2.50           Sated torque [%]         229         229         270         280         170         200         210           Service factor         1.25         1.00         1.15         1.15         1.00         1.15         1.15           Fernperature rise         80 K         80 K         80 K         80 K         80 K         105 K         105 K         80 K         80 K         80 K         80 K         80 K         105 K         105 K         80 K         80 K         80 K         80 K         80 K         105 K         105 K         80 K         80 K         80 K         125 (cold)         215 (cold)         215 (cold)         215 (cold)         215 (cold)         215 (cold)         215 (cold)         125 (cold)         125 (cold)         125 (cold)         125 (cold)         126	No load current [A	]		9.40	10.0	10.6	9.40	10.0	,	
Stated forque [ft,lb]         89.4         80.4         80.2         80.1         109         108         108           Locked rotor torque [%]         229         229         270         280         170         200         210           Service factor         1.25         1.00         1.15         1.100         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         1.00         1.15         0.01         1.25         (cold)         215 (cold)         128 (cold)         215 (cold)         215 (cold)         215 (cold)         215 (cold)         215 (cold)         128 (cold)         129 (cold)         128 (cold)         128				980	982			970		
cocked rotor torque [%]         229         229         270         280         170         200         210           Breakdown torque [%]         260         270         290         320         220         240         215         (cold)         155 (dold)         155 (dold)         155 (dold)         215 (cold)         215 (cold)         215 (cold)         215 (cold)         215 (cold)         215 (cold)         125 (hot)         126 (hot)         125 (hot)         126 (hot)         125 (hot)         125 (hot)         126 (hot)	Slip [%]		2.08	2.00						
Breakdown torque [%]         260         270         290         320         200         220         240           Service factor         1.25         1.00         1.15         1.15         1.00         1.15         1.15           Gemperature rise         80 K         80 K         80 K         80 K         105 K         80 K         80 K           Locked rotor time         286 (cold)         21s (cold)         12s (hot)         12s (hot) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
Service factor         1.25         1.00         1.15         1.15         1.00         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.00         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15         1.15										
Temperature rise         80 K         105 K         105 K         105 K         80 K           cocked rotor time         28s (cold)         21s (cold)         21s (cold)         21s (cold)         21s (cold)         12s (cold)	<u> </u>	[%]								
Locked rotor time         28s (cold)         21s (cold)         12s (hot)         1										
Ites (hot)         12s (hot)         56.0 dB(A)         5										
Noise level <sup>2</sup> 59.0 dB(A)         56.0 dB(A)         50.0 dB(A)         50.										
Efficiency (%)         25%         91.0         90.0         89.3         89.3         90.2	Noise level <sup>2</sup>		. ,	. ,	. ,			. ,	56.0 dB(A	
Efficiency (%)         75%         91.7         90.3         90.3         90.6         90.2         90.2         91.0           100%         91.7         90.3         90.3         90.8         88.5         89.5         90.2         91.0           Power Factor         50%         0.70         0.66         0.63         0.60         0.76         0.73         0.70           50%         0.80         0.79         0.76         0.73         0.83         0.82         0.80           100%         0.85         0.84         0.83         0.81         0.86         0.86         0.85           Sealing type         :         6311 C3         6211 C3         Max. traction         :908 lb         Max. compression         :         1347 lb           Lubricant mount         :         18 g         11 g         Max. compression         :         1347 lb           Notes         USABLE @208V 53.5A SF 1.15 SFA 61.5A         Max. compression         :         1347 lb         MGe1.           Notes         USABLE @208V 53.5A SF 1.15 SFA 61.5A         MGe1.         MGe1.         MGe1.         MGe1.           (2) Measured at 1m and with tolerance of +3dB(A).         (3) Approximate weight subject to changes after manufacturing process.					, , , , , , , , , , , , , , , , , , ,					
1/5%         91.7         90.3         90.3         90.8         90.2         90.2         91.0           100%         91.7         90.3         90.3         90.8         88.5         89.5         90.2           Power Factor         50%         0.70         0.66         0.63         0.60         0.76         0.73         0.83         0.82         0.80           Power Factor         50%         0.70         0.66         0.63         0.60         0.76         0.73         0.83         0.82         0.80           100%         0.85         0.84         0.83         0.81         0.86         0.86         0.85           Sealing         :         VRing         VRing         VRing         Max. traction         : 908 lb           Lubricant amount         :         18 g         11 g         Max. compression         : 1347 lb           Notes         USABLE @208V 53.5A SF 1.15 SFA 61.5A         Mobil Polyrex EM         Mcesure at 1m and with tolerance of +3dB(A).         MG-1.           (1) Looking the motor from the shaft end.         (2) Measured at 1m and with tolerance of +3dB(A).         munufacturing process.         (4) At 100% of full load.         MG-1.         Performed         Checked         Date         Page	Efficiency (%)									
Power Factor         25%         0.70         0.66         0.63         0.60         0.76         0.73         0.70           75%         0.80         0.79         0.76         0.73         0.83         0.82         0.80           100%         0.85         0.84         0.83         0.81         0.86         0.82         0.80           Bearing type         :         6311 C3         6211 C3         82         100         0.86         0.85           Sealing         :         VRing         VRing         VRing         Image: Naccional State Sta										
Power Factor         50%         0.70         0.66         0.63         0.60         0.76         0.73         0.70           75%         0.80         0.79         0.76         0.73         0.83         0.82         0.80           100%         0.85         0.84         0.83         0.81         0.86         0.86         0.86         0.86         0.82         0.80           Bearing type         :         6311 C3         6211 C3         Max. traction         :908 lb         Max. traction         :908 lb           Sealing         :         VRing         VRing         Non drive end         Max. traction         :908 lb           Lubrication interval         :         20000 h         20000 h         Max. compression         :1347 lb           Notes         USABLE @208V 53.5A SF 1.15 SFA 61.5A         Max. traction         :908 lb         Max. traction         :908 lb           This revision replaces and cancel the previous one, which must be eliminated.         Mosile Polyrex EM         MG-1.         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 by         Date           Performed by         Check			91.7	90.3	90.3	90.8	88.5	89.5	90.2	
Power Factor       75%       0.80       0.79       0.76       0.73       0.83       0.82       0.80         100%       0.85       0.84       0.83       0.81       0.86       0.86       0.85         Bearing type       :       6311 C3       6211 C3       Foundation loads       Max. traction       : 908 lb         Sealing       :       V'Ring       V'Ring       Max. traction       : 908 lb         Lubrication interval       :       20000 h       20000 h       Max. compression       : 1347 lb         Lubrication type       :       Mobil Polyrex EM       Max. compression       : 1347 lb         Notes       USABLE @208V 53.5A SF 1.15 SFA 61.5A       Max. compression       : 1347 lb         Motes       USABLE @208V 53.5A SF 1.15 SFA 61.5A       Max. compression       : 1347 lb         Notes       USABLE @208V 53.5A SF 1.15 SFA 61.5A       MG-1.       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.       MG-1.         Rev.       Changes Summary       Performed       Checked       Date         Performed by			0.70	0.00	0.00	0.00	0.70	0.70	0.70	
100%     0.85     0.84     0.83     0.81     0.86     0.86     0.85       Bearing type     :     6311 C3     6211 C3     6211 C3     Max. traction     : 908 lb       Sealing     :     V'Ring     V'Ring     V'Ring     Max. traction     : 908 lb       Lubrication interval     :     20000 h     20000 h     Max. compression     : 1347 lb       Lubricant amount     :     18 g     11 g     Max. compression     : 1347 lb       Notes     USABLE @208V 53.5A SF 1.15 SFA 61.5A     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. (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     Changes Summary       Rev.     Changes Summary     Performed     Checked     Date       Performed by	Power Factor									
Drive end Bearing type       Image: Ima										
Bearing type       :       6311 C3       6211 C3       Max. traction       : 908 lb         Sealing       :       V'Ring       V'Ring       Max. compression       : 1347 lb         Lubrication interval       :       20000 h       20000 h       Max. compression       : 1347 lb         Lubricant amount       :       18 g       11 g       Max. compression       : 1347 lb         Notes       .       Mobil Polyrex EM       Max. compression       : 1347 lb         Notes       .       .       Max. compression       : 1347 lb         Notes       .       .       .       .         USABLE @208V 53.5A SF 1.15 SFA 61.5A       .       .       .       .         This revision replaces and cancel the previous one, which must be eliminated.       .       .       .       .         (1) Looking the motor from the shaft end.       .       .       .       .       .       .         (2) Measured at 1m and with tolerance of +3dB(A).       .       .       .       .       .       .         (3) Approximate weight subject to changes after manufacturing process.       .       .       .       .       .       .         Performed by       .       .       . <t< td=""><td></td><td>10070</td><td></td><td>l</td><td>1</td><td></td><td>0.00</td><td>0.00</td><td>0.00</td></t<>		10070		l	1		0.00	0.00	0.00	
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 53.5A SF 1.15 SFA 61.5A       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.       These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA (3) Approximate weight subject to changes after manufacturing process.       MG-1.         (4) At 100% of full load.       Performed       Checked       Date         Performed by       Page       Revision	Bearing type				20		· 01	78 lh		
Lubrication interval       :       20000 h       20000 h         Lubricant amount       :       18 g       11 g         Lubricant type       :       Mobil Polyrex EM         Notes       USABLE @208V 53.5A SF 1.15 SFA 61.5A         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 (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.       MG-1.         (4) At 100% of full load.       Performed       Checked       Date         Performed by       Page       Revision					ivian. t		-			
Lubricant type       :       Mobil Polyrex EM         Notes       USABLE @208V 53.5A SF 1.15 SFA 61.5A         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 (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.       MG-1.         (4) At 100% of full load.       Performed       Checked       Date         Performed by       Page       Revision		/al			•			-		
Notes       USABLE @208V 53.5A SF 1.15 SFA 61.5A         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 (2) Measured at 1m and with tolerance of +3dB(A).         (3) Approximate weight subject to changes after manufacturing process.       MG-1.         (4) At 100% of full load.       Performed       Checked       Date         Performed by       Page       Revision		t								
USABLE @208V 53.5A SF 1.15 SFA 61.5A This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from 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.           Rev.         Changes Summary         Performed         Checked         Date           Performed by         Image: Checked by         Page         Revision	Lubricant type		: Mobi	I Polyrex EM						
must be eliminated.       power supply, subject to the tolerances stipulated in NEMA         (1) Looking the motor from the shaft end.       power 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       Date         Performed by       Page       Revision	Notes USABLE @208V	53.5A SF 1.	15 SFA 61.5A							
(3) Approximate weight subject to changes after manufacturing process.         (4) At 100% of full load.         Rev.       Changes Summary         Performed       Checked         Performed by         Checked by	must be eliminate (1) Looking the m	ed. otor from the	e shaft end.		power	supply, subjec				
Performed by     Performed by     Page     Revision	(3) Approximate v manufacturing pro	veight subjeo ocess.								
Checked by     Page     Revision	Rev.		Changes	Summary		Performe	ed Che	ecked	Date	
Checked by     Page     Revision	Performed by									
							P	ade	Revision	
								-	1001000	

Шер

 Date
 14/04/2022
 1 / 36

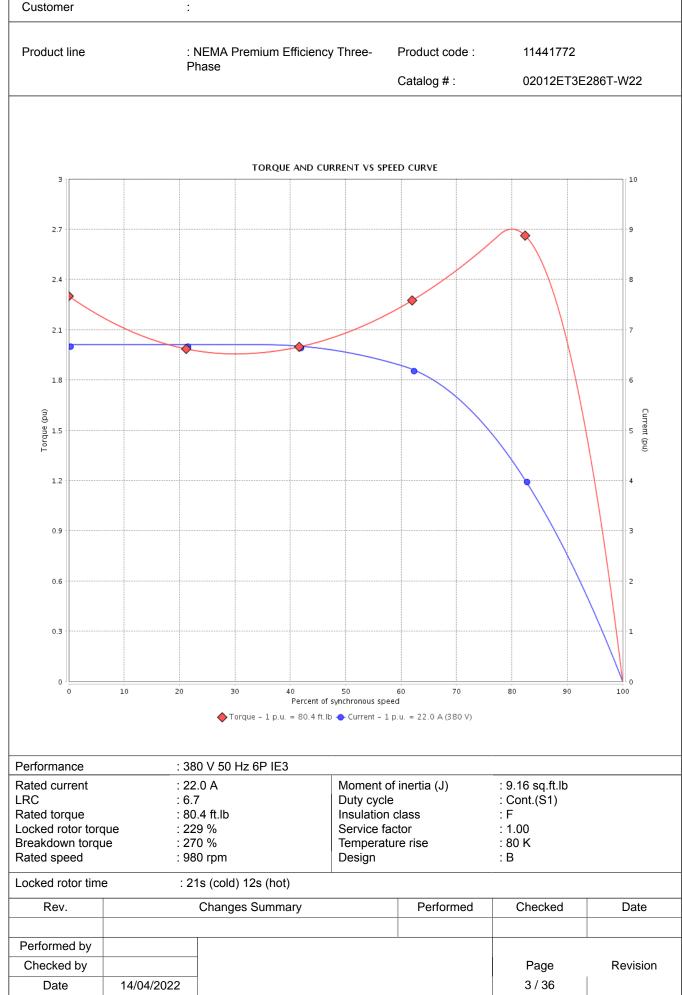
 This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.
 1 / 36



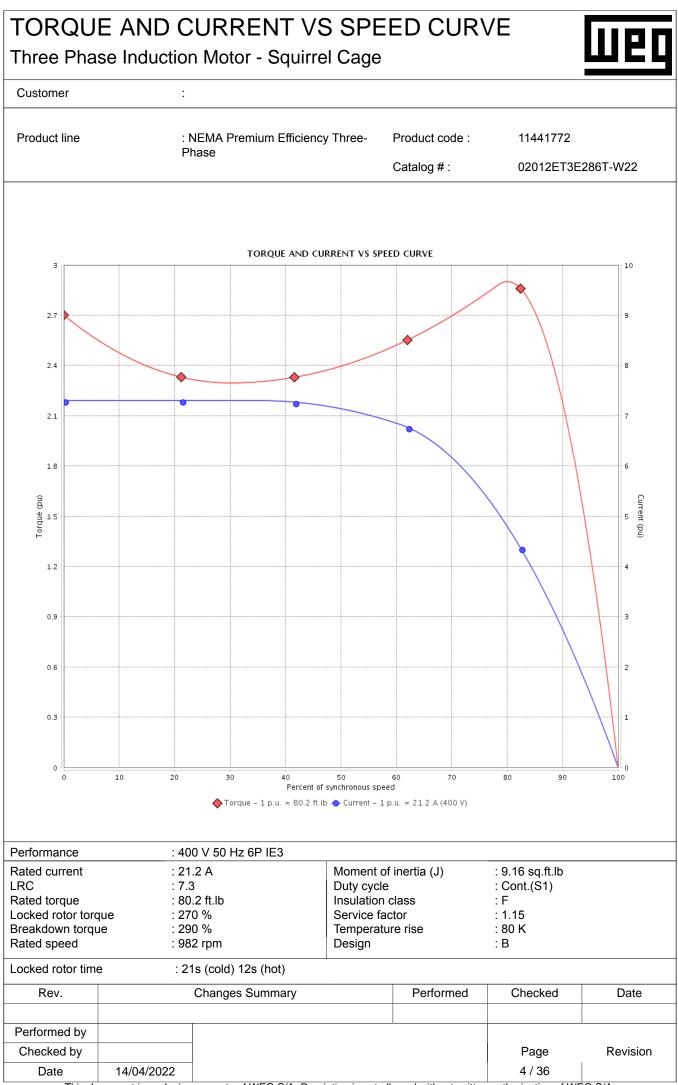
### TORQUE AND CURRENT VS SPEED CURVE

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.

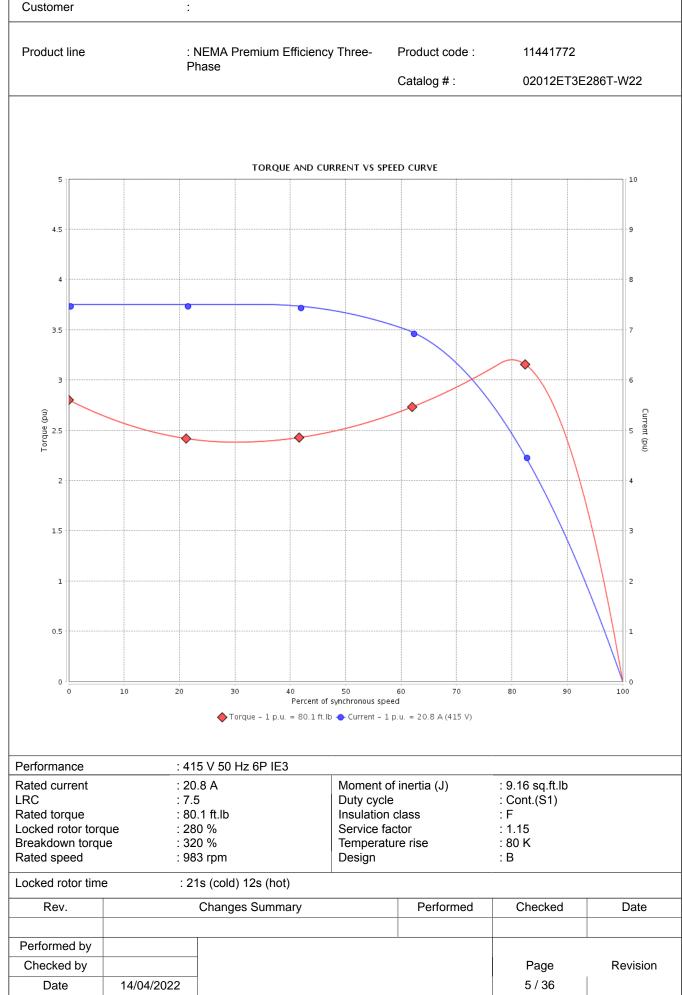


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

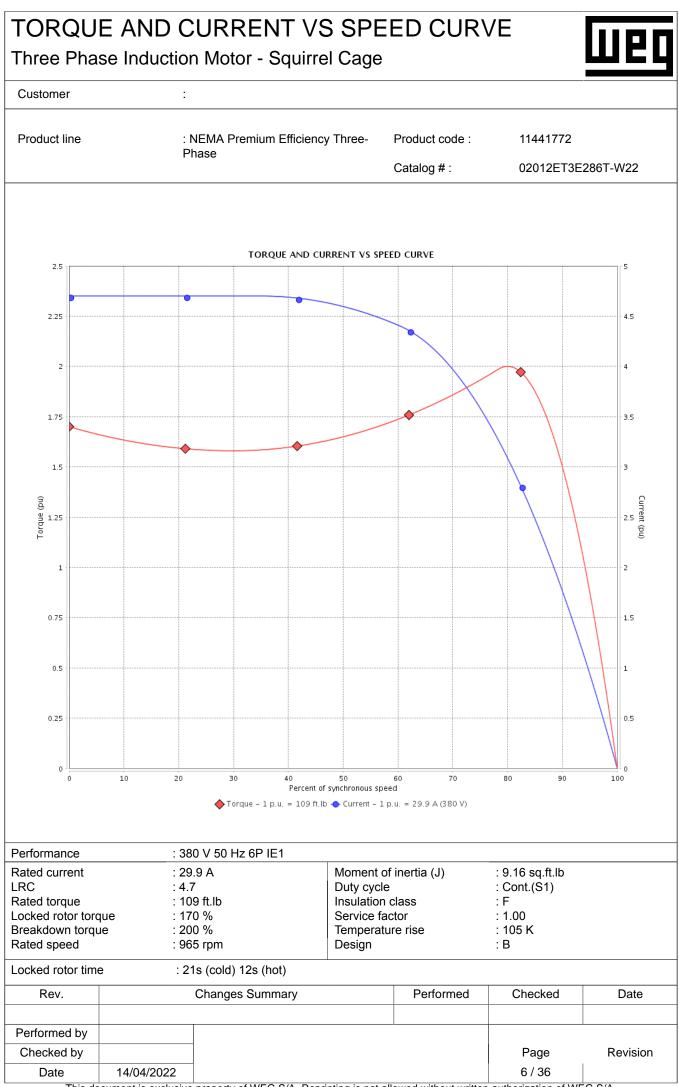
### TORQUE AND CURRENT VS SPEED CURVE

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.

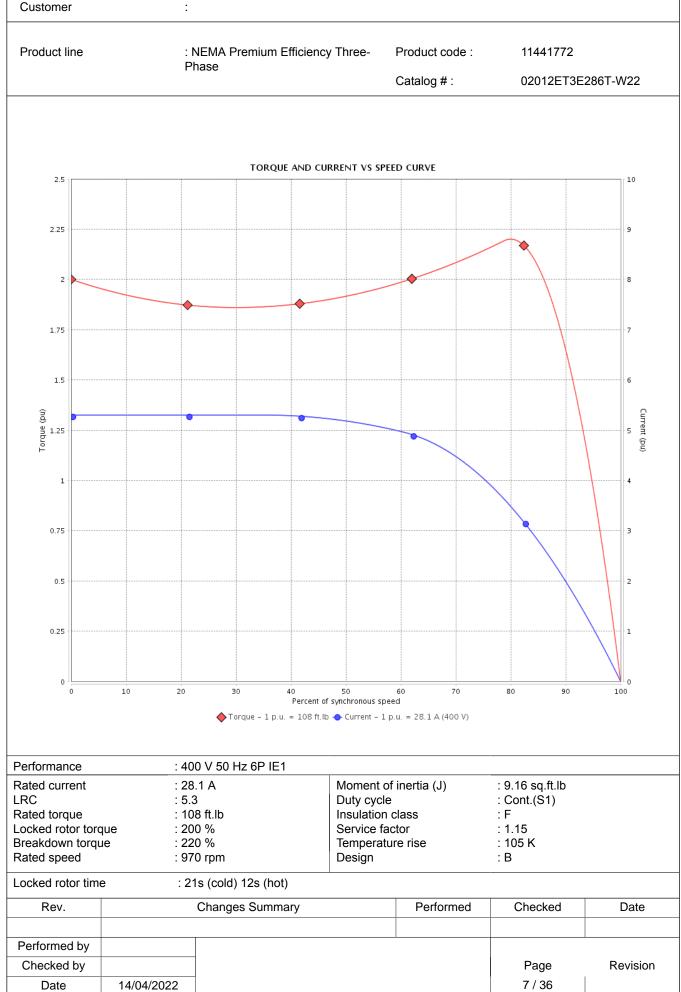


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

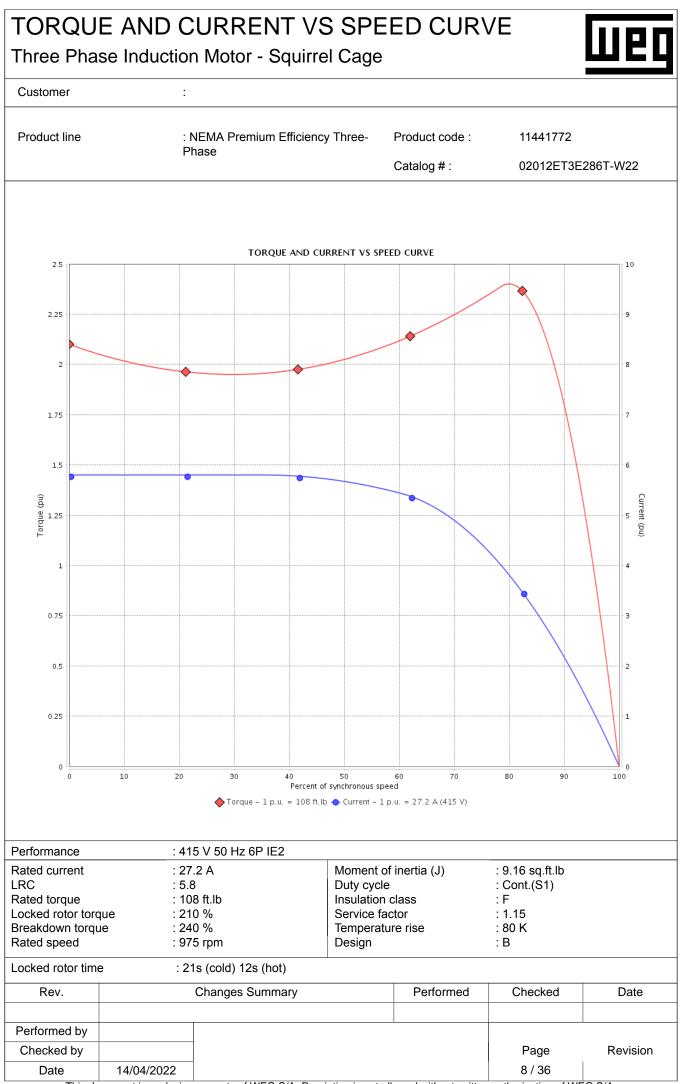
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



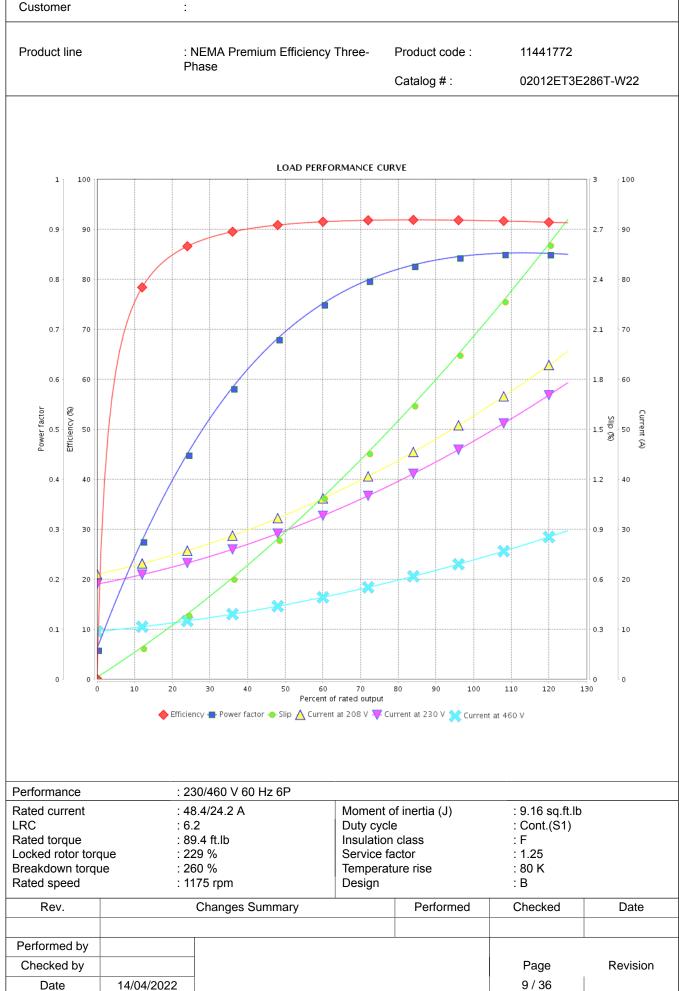


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



Three Phase Induction Motor - Squirrel Cage

#### Customer



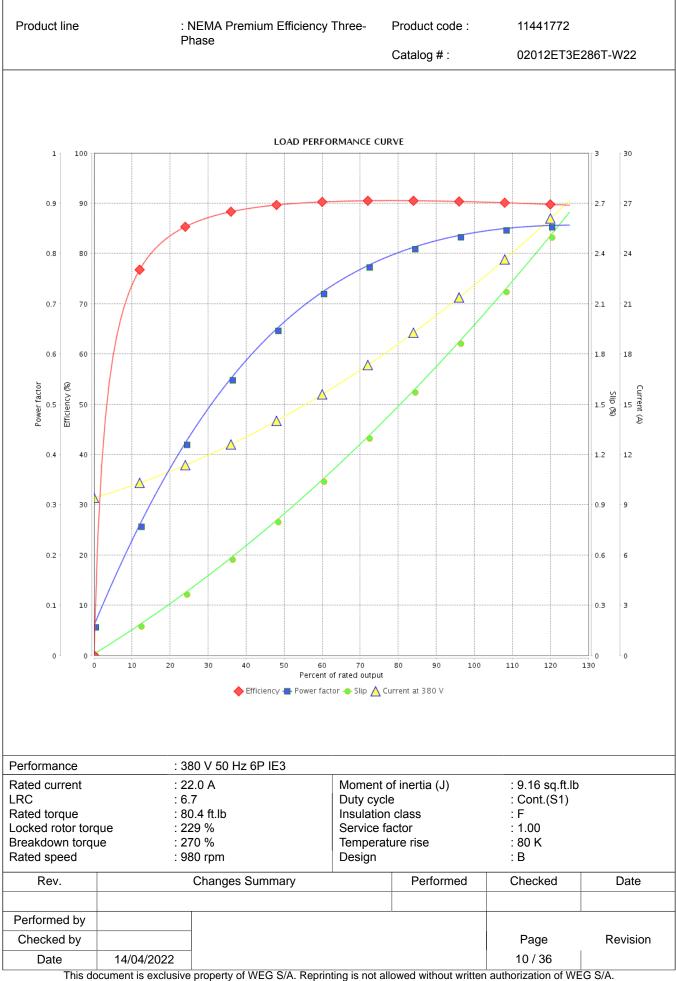
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

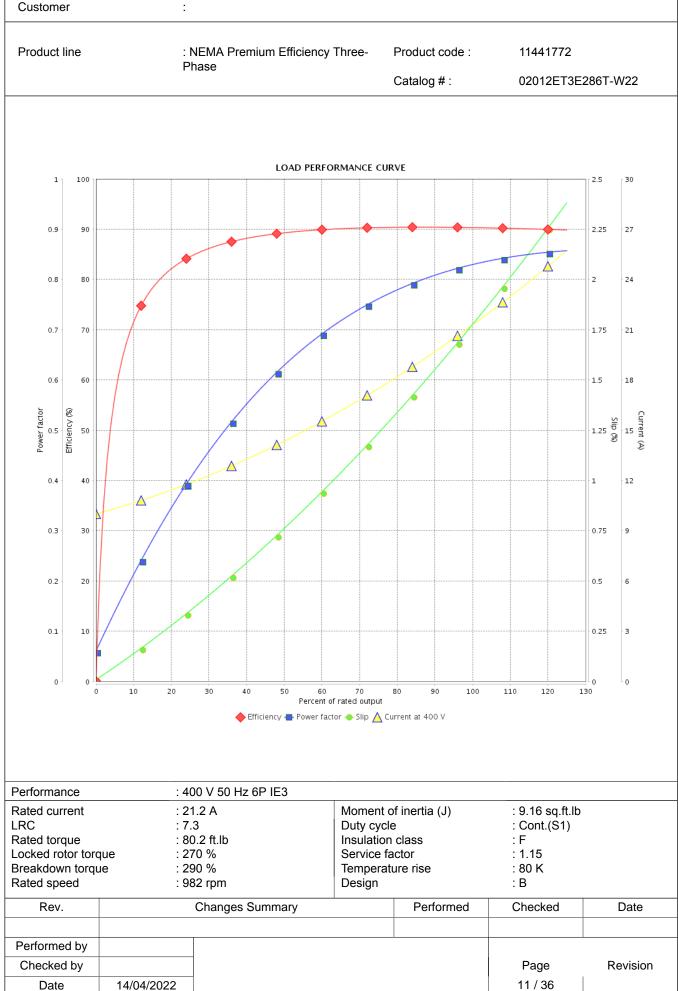


Customer



Three Phase Induction Motor - Squirrel Cage

#### Customer



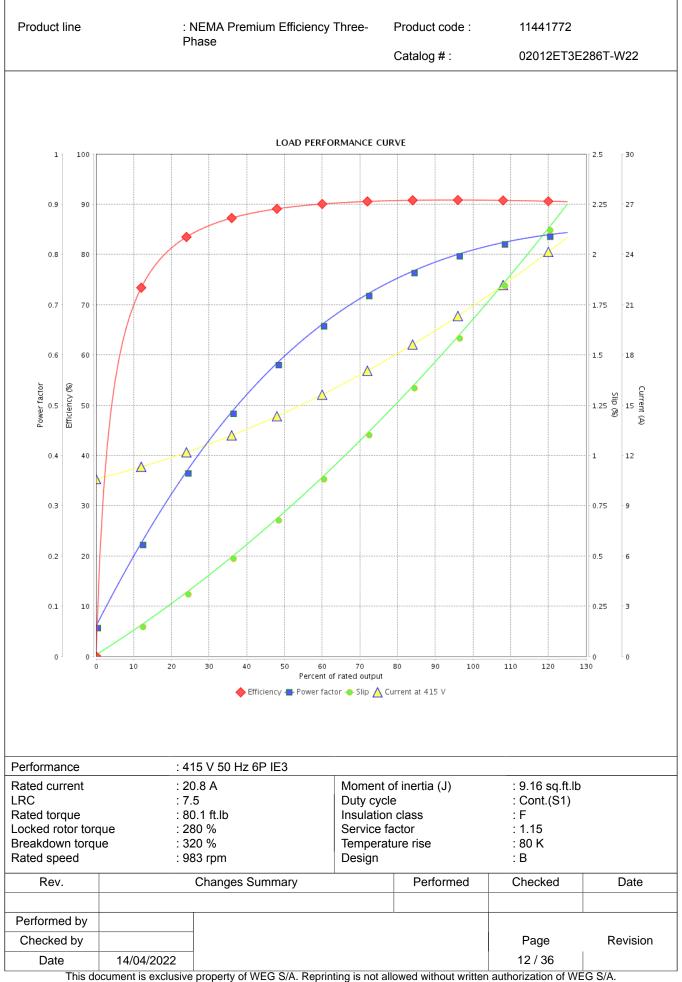
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

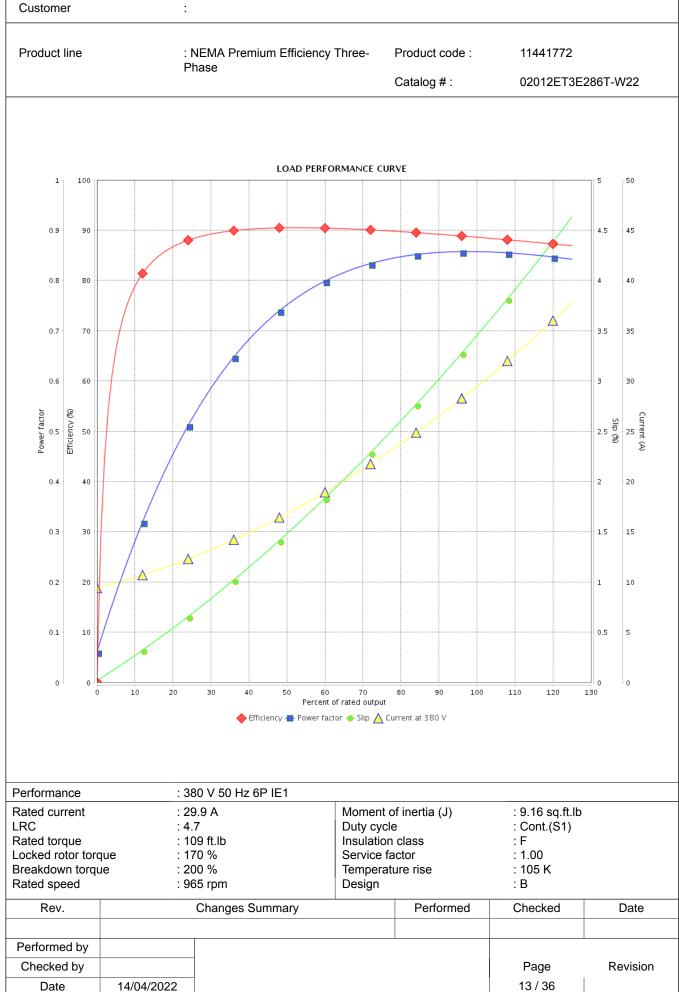


Customer



Three Phase Induction Motor - Squirrel Cage

#### Customer



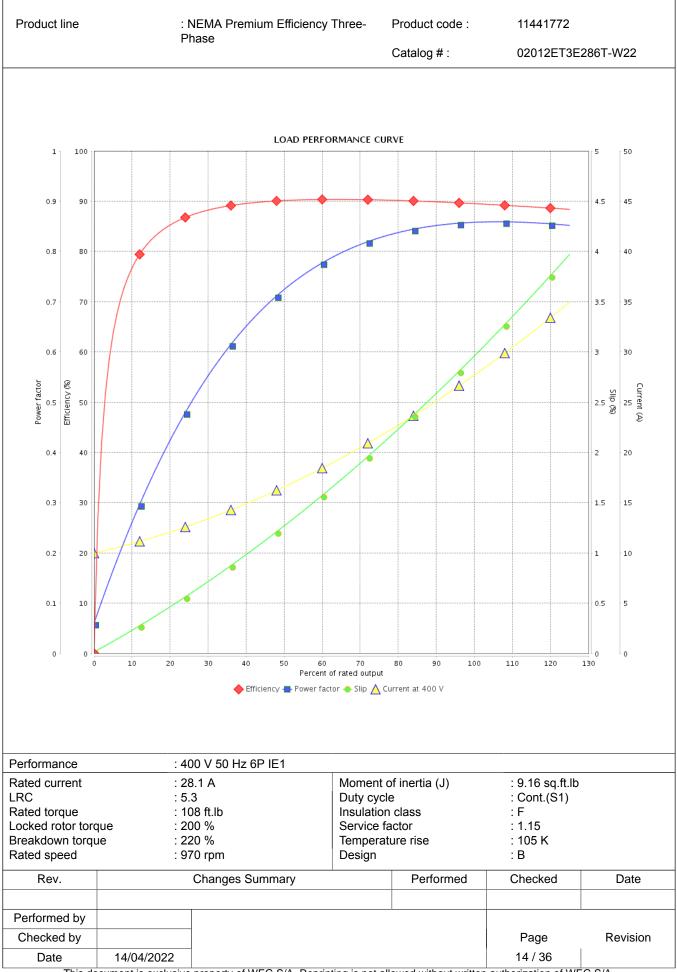
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

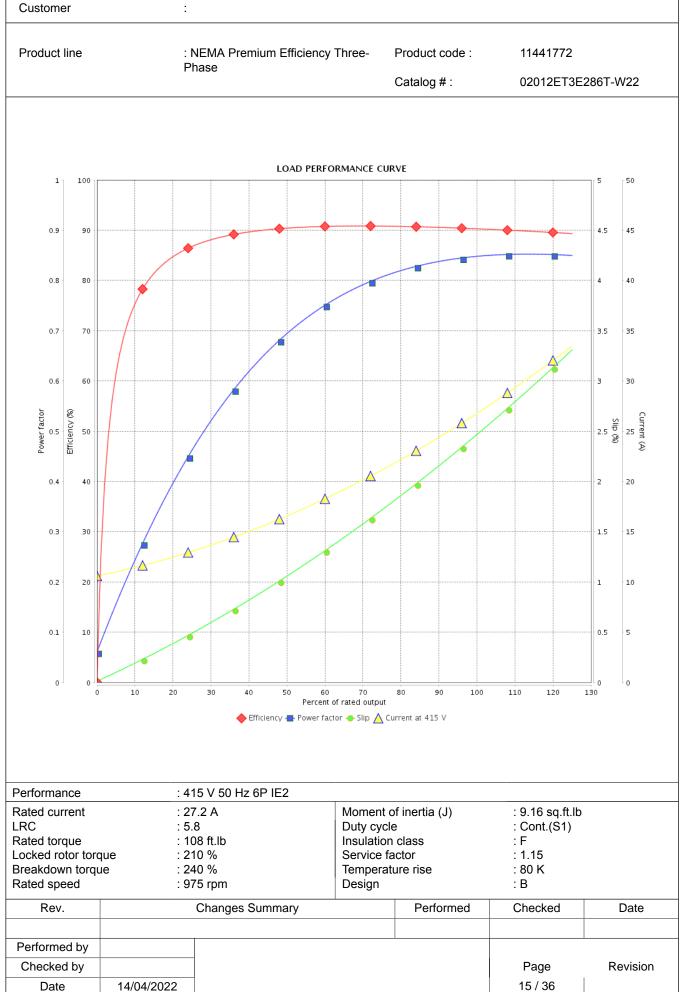


Customer



Three Phase Induction Motor - Squirrel Cage

#### Customer

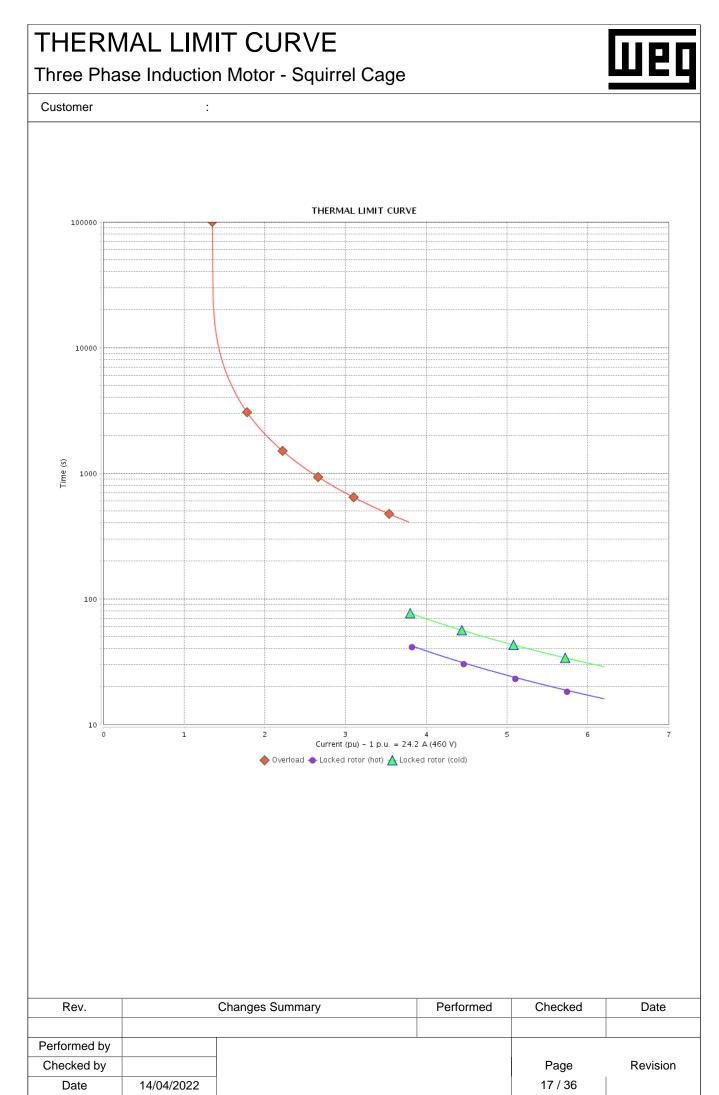


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

THERMAL LIMIT CURVE	
Three Phase Induction Motor - Squirrel Cage	
Customer	_



Product line		hase	MA Premium Efficiency Three- Product code :		11441772	
	P	llase		Catalog # :	02012ET3E2	286T-W22
rformance	: 23	30/460 V 60 Hz 6P				
ated current	: 48	3.4/24.2 A	Moment o	f inertia (J)	: 9.16 sq.ft.lb	
ated current	: 48 : 6.	3.4/24.2 A 2	Moment o Duty cycle Insulation	;	: 9.16 sq.ft.lb : Cont.(S1) : F	
ated current C ated torque cked rotor tor	: 48 : 6. : 89 que : 22	3.4/24.2 A 2 9.4 ft.lb 29 %	Duty cycle Insulation Service fa	e class ctor	: Cont.(S1) : F : 1.25	
ited current C ited torque cked rotor tor eakdown torq	: 48 : 6. : 89 :que : 22 ue : 26	3.4/24.2 A 2 9.4 ft.lb 29 % 60 %	Duty cycle Insulation	e class ctor	: Cont.(S1) : F	
ated current C ated torque cked rotor tor eakdown torq ated speed	: 48 : 6. : 89 :que : 22 ue : 26 : 11	3.4/24.2 A 2 9.4 ft.lb 29 % 60 %	Duty cycle Insulation Service fa Temperatu	e class ctor	: Cont.(S1) : F : 1.25 : 80 K	
ated current CC ated torque cked rotor tor eakdown torq ated speed eating constan	: 48 : 6. : 89 : 22 ue : 26 : 11	3.4/24.2 A 2 9.4 ft.lb 29 % 60 %	Duty cycle Insulation Service fa Temperatu	e class ctor	: Cont.(S1) : F : 1.25 : 80 K	
ated current CC ated torque cked rotor tor eakdown torq ated speed eating constan	: 48 : 6. : 89 : 22 ue : 26 : 11	3.4/24.2 A 2 9.4 ft.lb 29 % 60 %	Duty cycle Insulation Service fa Temperatu	e class ctor	: Cont.(S1) : F : 1.25 : 80 K	Date
ated current RC ated torque ocked rotor tor eakdown torq ated speed eating constar poling constar Rev.	: 48 : 6. : 89 : 22 ue : 26 : 11	3.4/24.2 A 2 9.4 ft.lb 29 % 60 % 175 rpm	Duty cycle Insulation Service fa Temperatu	e class ctor ure rise	: Cont.(S1) : F : 1.25 : 80 K : B	Date
erformance ated current RC ated torque ocked rotor tor eakdown torq ated speed eating constar poling constar poling constar Rev.	: 48 : 6. : 89 : 22 ue : 26 : 11	3.4/24.2 A 2 9.4 ft.lb 29 % 60 % 175 rpm	Duty cycle Insulation Service fa Temperatu	e class ctor ure rise	: Cont.(S1) : F : 1.25 : 80 K : B	Date



THERMAL	. LIMIT C	URVE		
Three Phase Ir	duction Mot	or - Squirrel C	age	
Customer	:			

Product code :

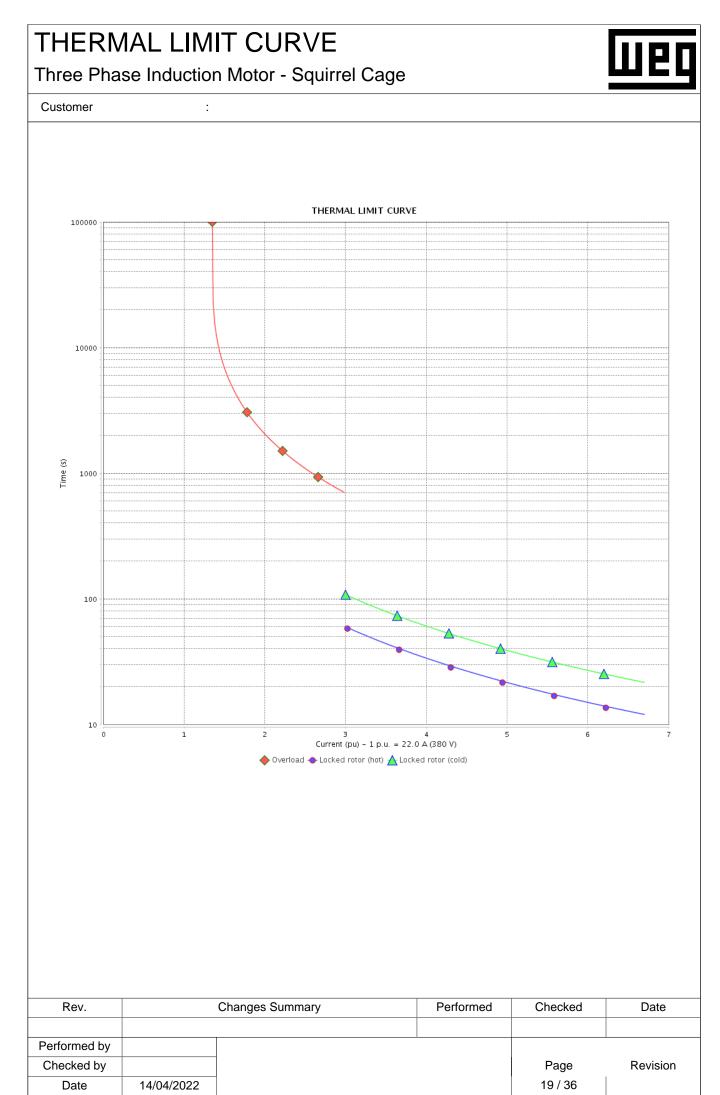
: NEMA Premium Efficiency Three-

Product line

11441772

20

	F	hase		Catalog # :	02012ET3E28	36T-W22
Performance	· 3	80 V 50 Hz 6P IE3				
Rated current	: 2	2.0 A		f inertia (J)	: 9.16 sq.ft.lb	
LRC Rated torque	: 6 · 8	6.7 60.4 ft.lb	Duty cycle Insulation		: Cont.(S1) : F	
Locked rotor torc	jue : 2	29 %	Service fa	ctor	: 1.00	
Breakdown torqu Rated speed		70 % 80 rpm	Temperatu Design	ure rise	: 80 K : B	
Heating constant		· F				
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
Date	14/04/2022				18 / 36	
This do	cument is exclusive	e property of WEG S/A. Reprin Subject to char	ting is not allonge without n	owed without written	authorization of WEG	S/A.



THERMA	L LIMIT C	URVE		
Three Phase	Induction Mote	or - Squirrel C	age	
Customer	:			

Product code :

Catalog # :

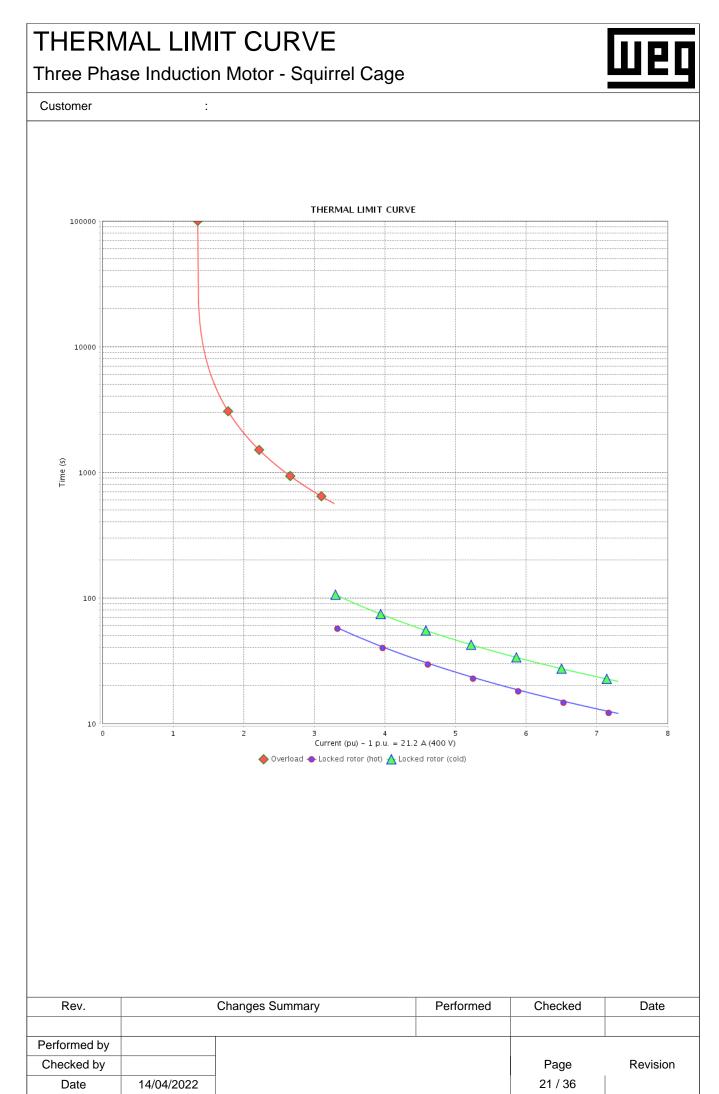
: NEMA Premium Efficiency Three-Phase

Product line

11441772

02012ET3E286T-W22

Performance		00 V 50 Hz 6P IE3 1.2 A	Momento	of inertia (J)	: 0.16 ag ft lb	
Rated current LRC	: 7	.3	Duty cycle	e	: 9.16 sq.ft.lb : Cont.(S1)	
Rated torque Locked rotor torque		0.2 ft.lb 70 %	Insulation Service fa		: F : 1.15	
Breakdown torqu		90 %	Temperat		: 80 K	
Rated speed		82 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
Date	14/04/2022				20 / 36	0.0/0
This doo	cument is exclusive	property of WEG S/A. Rep Subject to c	rinting is not all hange without r	owed without written	authorization of WE	G S/A.



THERMA	L LIMIT C	URVE		
Three Phase	Induction Mote	or - Squirrel Ca	age	
Customer	:			

Product code :

Catalog # :

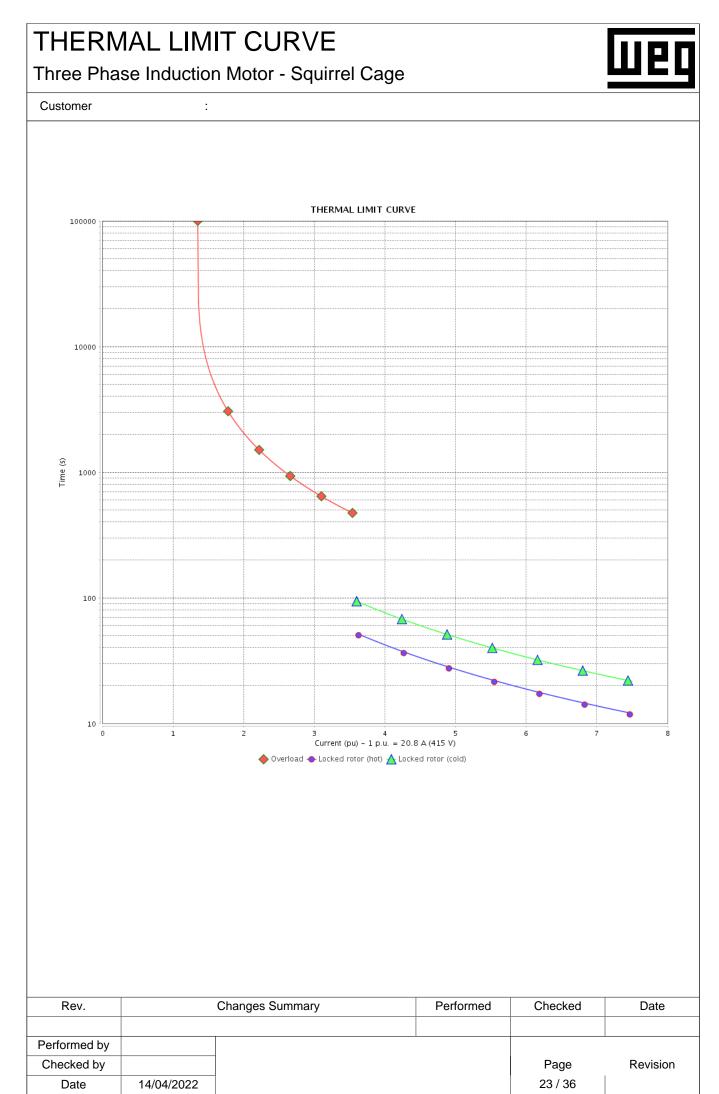
: NEMA Premium Efficiency Three-Phase

Product line

11441772

02012ET3E286T-W22

Performance Rated current		15 V 50 Hz 6P IE3	Momont	of inertia (J)	: 9.16 sq.ft.lb	
LRC	: 7	<b>'</b> .5	Duty cycl	e	: Cont.(S1)	
Rated torque Locked rotor torqu		80.1 ft.lb 280 %	Insulation Service fa		: F : 1.15	
Breakdown torque	e :3	320 %	Temperat		: 80 K	
Rated speed	: 9	983 rpm	Design		: B	
Heating constant Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
Date	14/04/2022				22 / 36	
This doc	ument is exclusiv	e property of WEG S/A. Repr Subject to ch	rinting is not al nange without	lowed without written notice	authorization of WE	G S/A.



THERMAL LIMIT CURVE							
Three Phase Induction	on Motor - Squirrel Cage						
Customer	:						

Product code :

Catalog # :

: NEMA Premium Efficiency Three-Phase

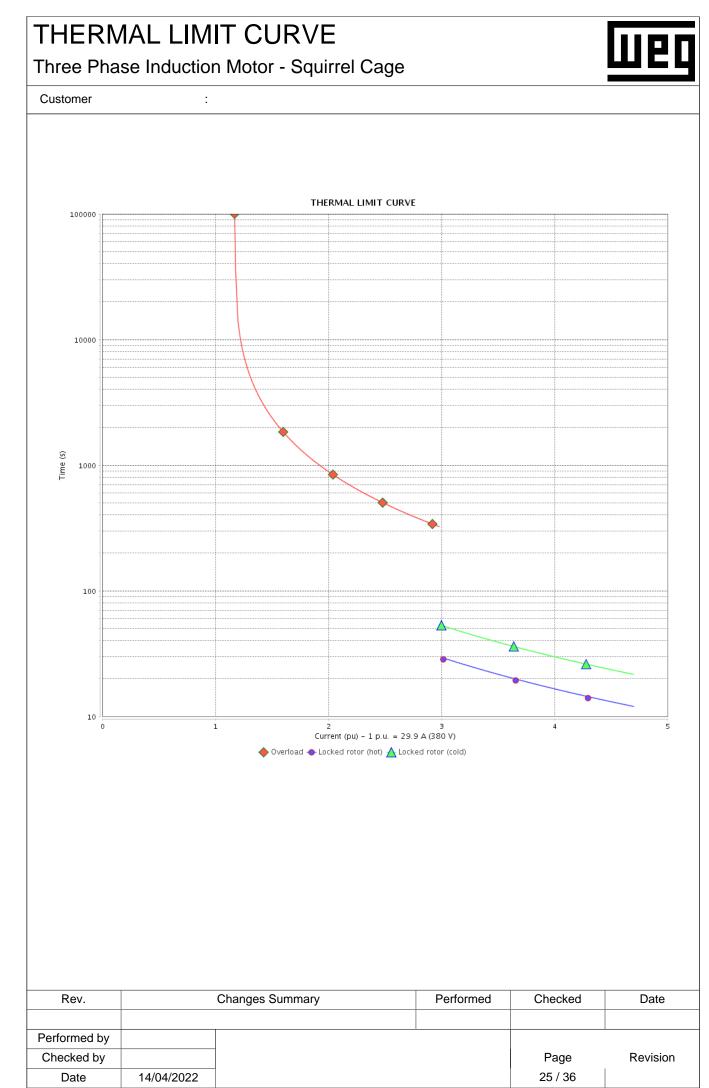
Product line

11441772

02012ET3E286T-W22

20

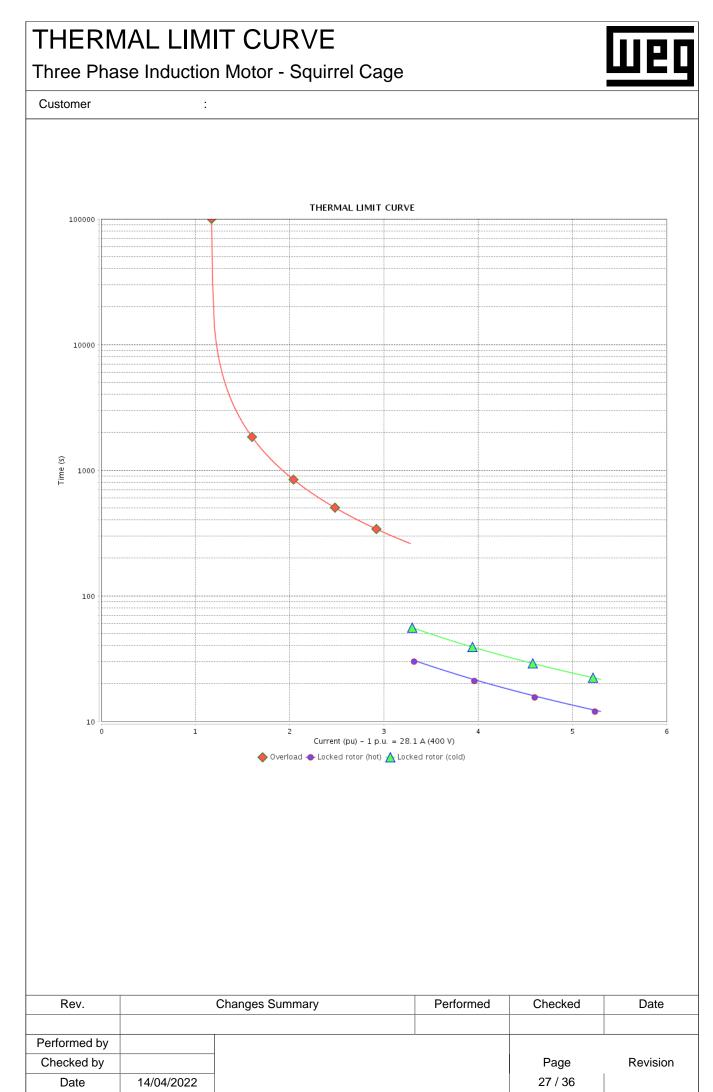
erformance	. 38	0 V 50 Hz 6P IE1				
ated current	: 29	.9 A	Moment o	f inertia (J)	: 9.16 sq.ft.lb	
ated current RC	: 29 : 4.1	.9 A 7	Duty cycle	;	: Cont.(S1)	
Rated current RC Rated torque	: 29 : 4.7 : 10 : 17	.9 A 7 9 ft.lb 0 %	Moment o Duty cycle Insulation Service fa	class	: 9.16 sq.ft.lb : Cont.(S1) : F : 1.00	
ated current RC ated torque ocked rotor torque reakdown torque	: 29 : 4.7 : 10 : 17 : 20	.9 A 7 9 ft.lb 0 % 0 %	Duty cycle Insulation Service fa Temperatu	e class ctor	: Cont.(S1) : F : 1.00 : 105 K	
ated current RC ated torque ocked rotor torque reakdown torque ated speed	: 29 : 4.7 : 10 : 17 : 20	.9 A 7 9 ft.lb 0 %	Duty cycle Insulation Service fa	e class ctor	: Cont.(S1) : F : 1.00	
ated current RC ated torque ocked rotor torque reakdown torque ated speed leating constant	: 29 : 4.7 : 10 : 17 : 20	.9 A 7 9 ft.lb 0 % 0 %	Duty cycle Insulation Service fa Temperatu	e class ctor	: Cont.(S1) : F : 1.00 : 105 K	
ated current RC ated torque ocked rotor torque reakdown torque ated speed eating constant cooling constant	: 29 : 4.7 : 10 : 17 : 20 : 96	.9 A 7 9 ft.lb 0 % 0 % 5 rpm	Duty cycle Insulation Service fa Temperatu	class ctor ire rise	: Cont.(S1) : F : 1.00 : 105 K : B	
ated current RC ated torque ocked rotor torque reakdown torque ated speed eating constant	: 29 : 4.7 : 10 : 17 : 20 : 96	.9 A 7 9 ft.lb 0 % 0 %	Duty cycle Insulation Service fa Temperatu	e class ctor	: Cont.(S1) : F : 1.00 : 105 K	Date
Rated current RC Rated torque ocked rotor torque reakdown torque Rated speed leating constant cooling constant Rev.	: 29 : 4.7 : 10 : 17 : 20 : 96	.9 A 7 9 ft.lb 0 % 0 % 5 rpm	Duty cycle Insulation Service fa Temperatu	class ctor ire rise	: Cont.(S1) : F : 1.00 : 105 K : B	
Performance Rated current RC Rated torque ocked rotor torque Rated speed Heating constant Cooling constant Rev. Performed by Checked by	: 29 : 4.7 : 10 : 17 : 20 : 96	.9 A 7 9 ft.lb 0 % 0 % 5 rpm	Duty cycle Insulation Service fa Temperatu	class ctor ire rise	: Cont.(S1) : F : 1.00 : 105 K : B	



THERMAI	_ LIMIT C	URVE		
Three Phase I	nduction Mot	or - Squirrel Ca	age	
Customer	:			



Product line	: NEMA Premium Efficiency Three- Phase		Product code :	11441772	11441772 02012ET3E286T-W22	
			Catalog # :	02012ET3E2		
erformance						
	: 400 V 50 Hz 6P IE1					
	: 28.1 A		of inertia (J)	: 9.16 sq.ft.lb		
RC	: 28.1 A : 5.3	Duty cycle	е	: Cont.(S1)		
RC Rated torque ocked rotor torque	: 28.1 A : 5.3 : 108 ft.lb : 200 %	Duty cycle Insulation Service fa	e i class actor	: Cont.(S1) : F : 1.15		
RC ated torque ocked rotor torque reakdown torque	: 28.1 A : 5.3 : 108 ft.lb : 200 % : 220 %	Duty cycle Insulation Service fa Temperat	e i class actor	: Cont.(S1) : F : 1.15 : 105 K		
RC Rated torque ocked rotor torque Breakdown torque Rated speed	: 28.1 A : 5.3 : 108 ft.lb : 200 %	Duty cycle Insulation Service fa	e i class actor	: Cont.(S1) : F : 1.15		
RC Rated torque Jocked rotor torque Breakdown torque Rated speed Heating constant	: 28.1 A : 5.3 : 108 ft.lb : 200 % : 220 %	Duty cycle Insulation Service fa Temperat	e i class actor	: Cont.(S1) : F : 1.15 : 105 K		
RC Rated torque locked rotor torque Breakdown torque Rated speed Heating constant Cooling constant	: 28.1 A : 5.3 : 108 ft.lb : 200 % : 220 % : 970 rpm	Duty cycle Insulation Service fa Temperat	e I class actor ure rise	: Cont.(S1) : F : 1.15 : 105 K : B		
RC Rated torque Locked rotor torque Breakdown torque Rated speed Heating constant	: 28.1 A : 5.3 : 108 ft.lb : 200 % : 220 %	Duty cycle Insulation Service fa Temperat	e i class actor	: Cont.(S1) : F : 1.15 : 105 K	Date	
RC Rated torque cocked rotor torque Breakdown torque Rated speed Heating constant Cooling constant Rev.	: 28.1 A : 5.3 : 108 ft.lb : 200 % : 220 % : 970 rpm	Duty cycle Insulation Service fa Temperat	e I class actor ure rise	: Cont.(S1) : F : 1.15 : 105 K : B	Date	
RC Rated torque ocked rotor torque Reakdown torque Rated speed Heating constant Cooling constant Rev.	: 28.1 A : 5.3 : 108 ft.lb : 200 % : 220 % : 970 rpm	Duty cycle Insulation Service fa Temperat	e I class actor ure rise	: Cont.(S1) : F : 1.15 : 105 K : B Checked		
Performed by Checked by	: 28.1 A : 5.3 : 108 ft.lb : 200 % : 220 % : 970 rpm	Duty cycle Insulation Service fa Temperat	e I class actor ure rise	: Cont.(S1) : F : 1.15 : 105 K : B	Date	



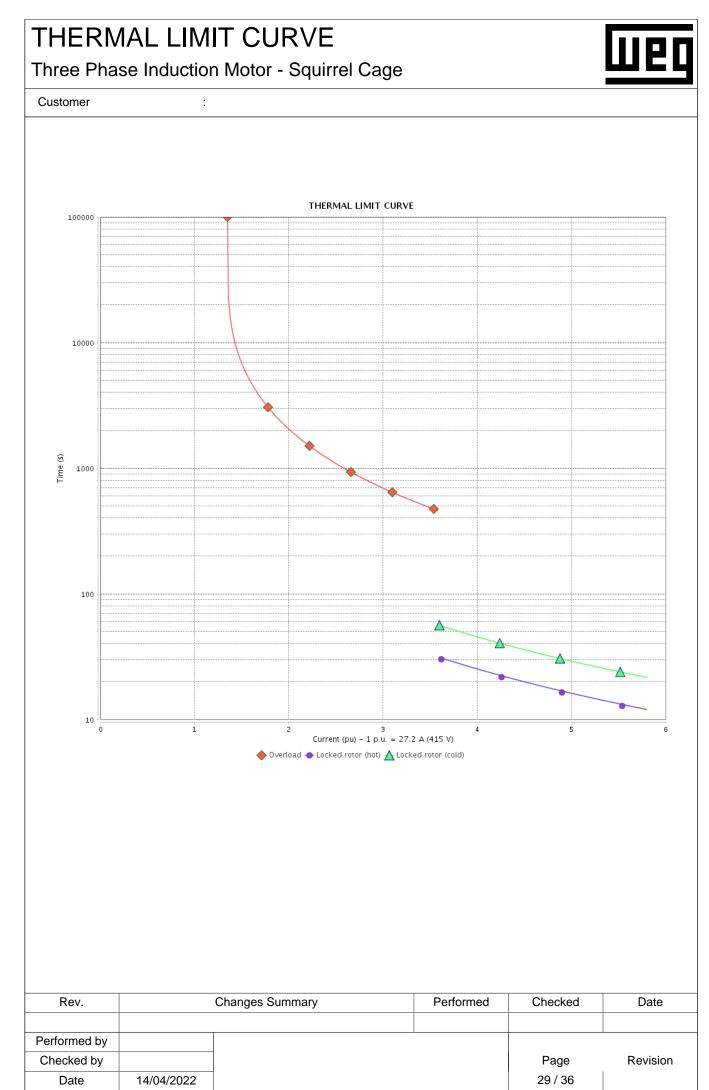
THERMAL L	MIT CURVE		ſ
Three Phase Induc	ction Motor - Squirrel Cage	<b>;</b>	
Customer	:		
Product line	: NEMA Premium Efficiency Three-	Product code :	11441772

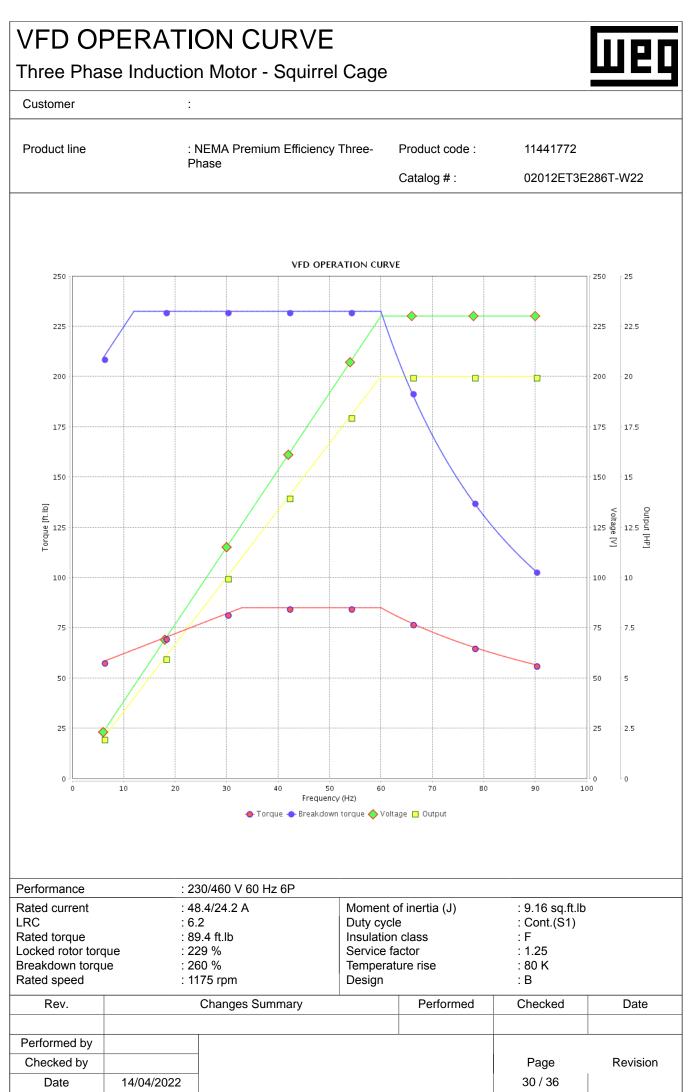
Catalog # :

02012ET3E286T-W22

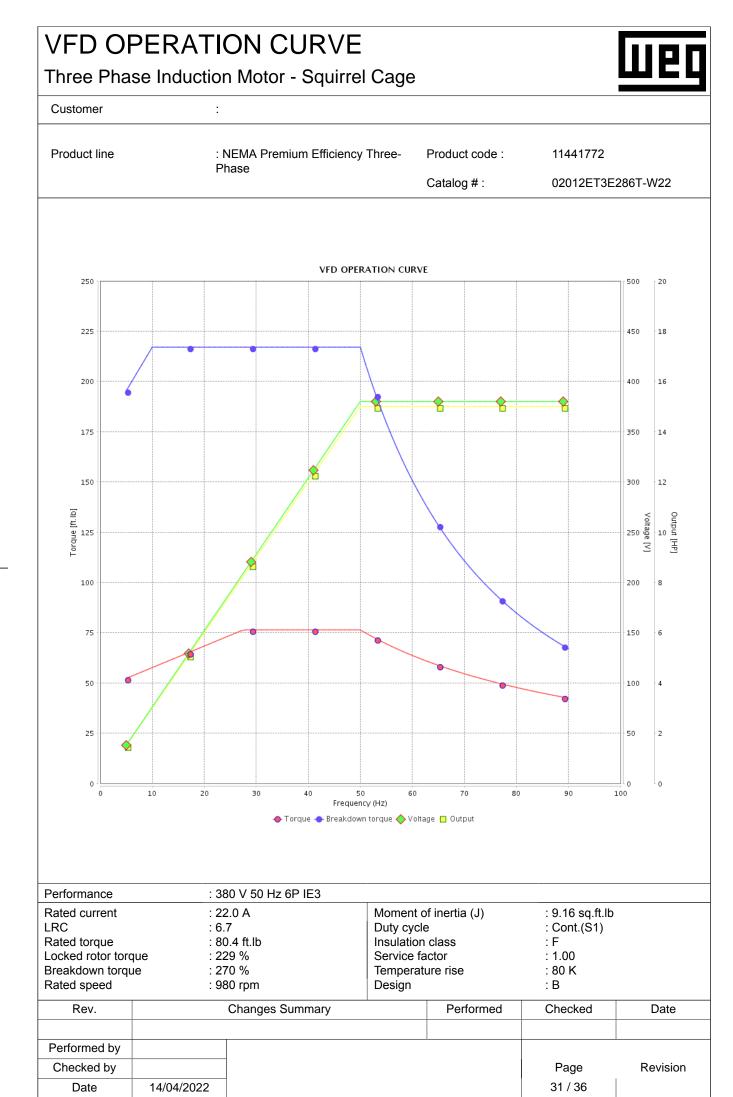
Phase

Performance	: 4	15 V 50 Hz 6P IE2				
LRC: 5.8Rated torque: 108Locked rotor torque: 210Breakdown torque: 240		08 ft.lb	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 9.16 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B	
Heating constant	t					
Cooling constant	t					
Rev.	Changes Summary		Performed	Checked	Date	
Performed by						
Checked by					Page	Revision
Date	14/04/2022				28 / 36	

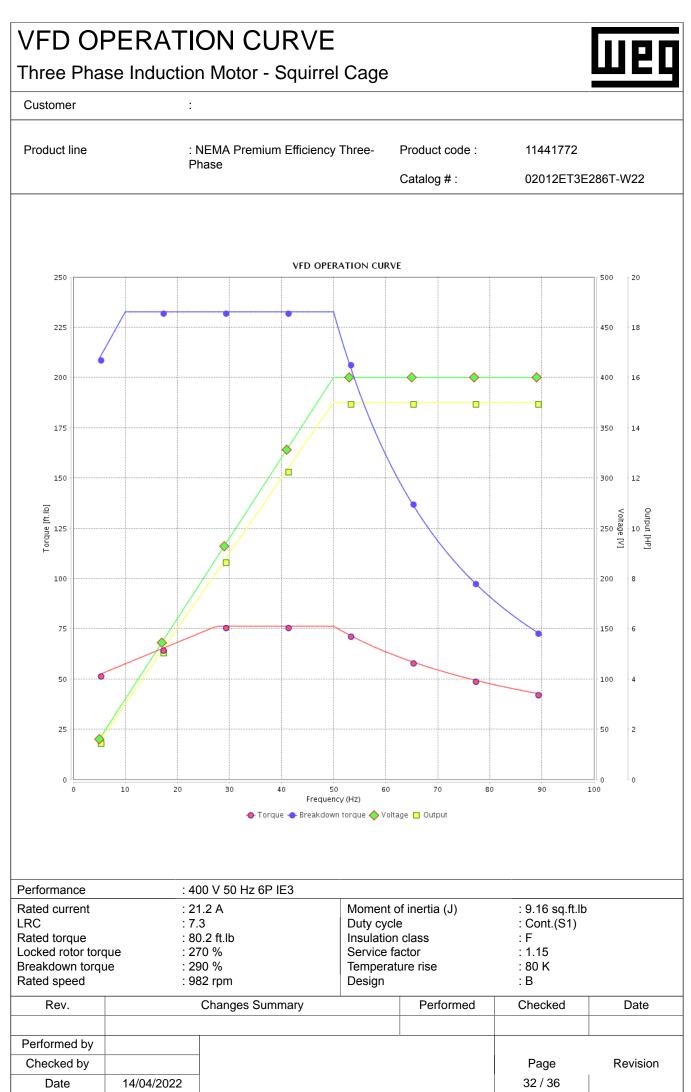




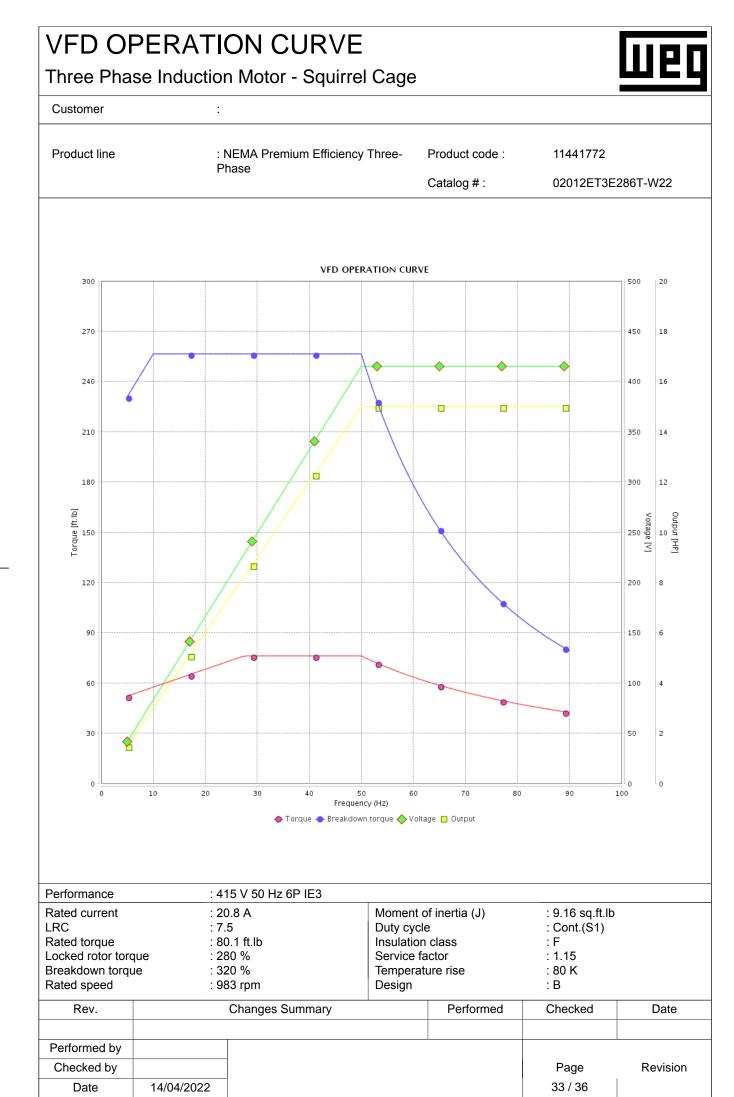
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



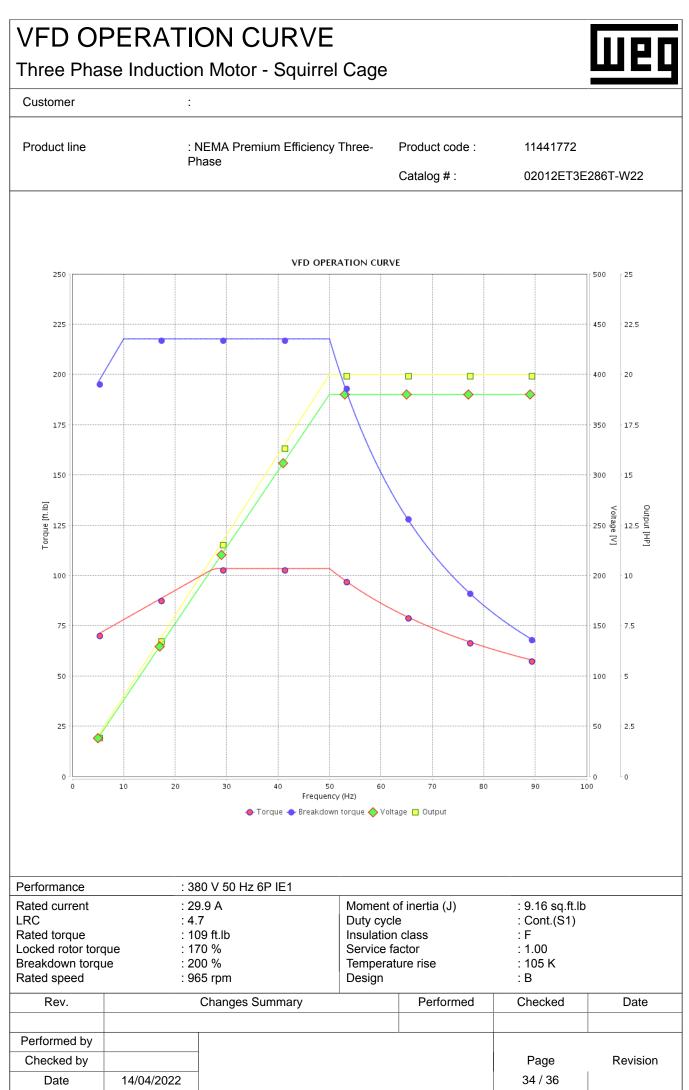
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



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

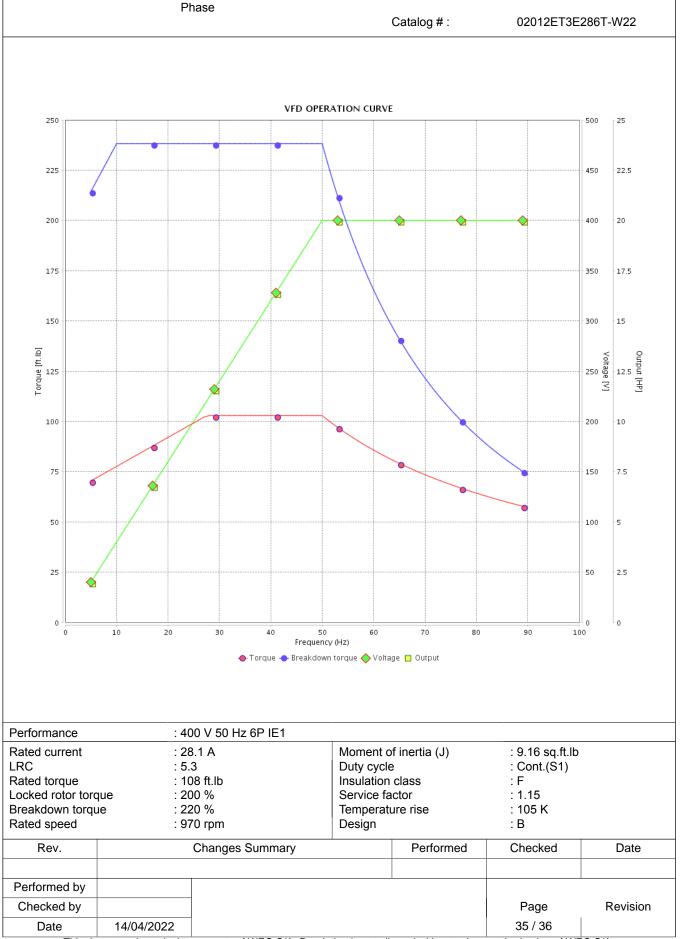


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

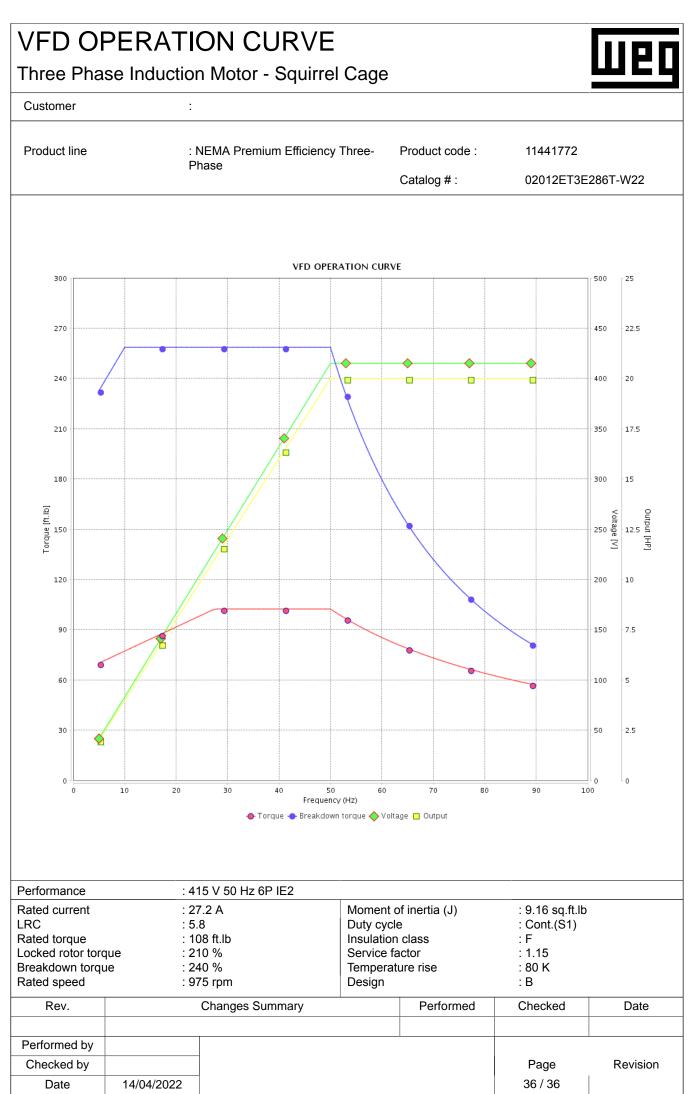


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

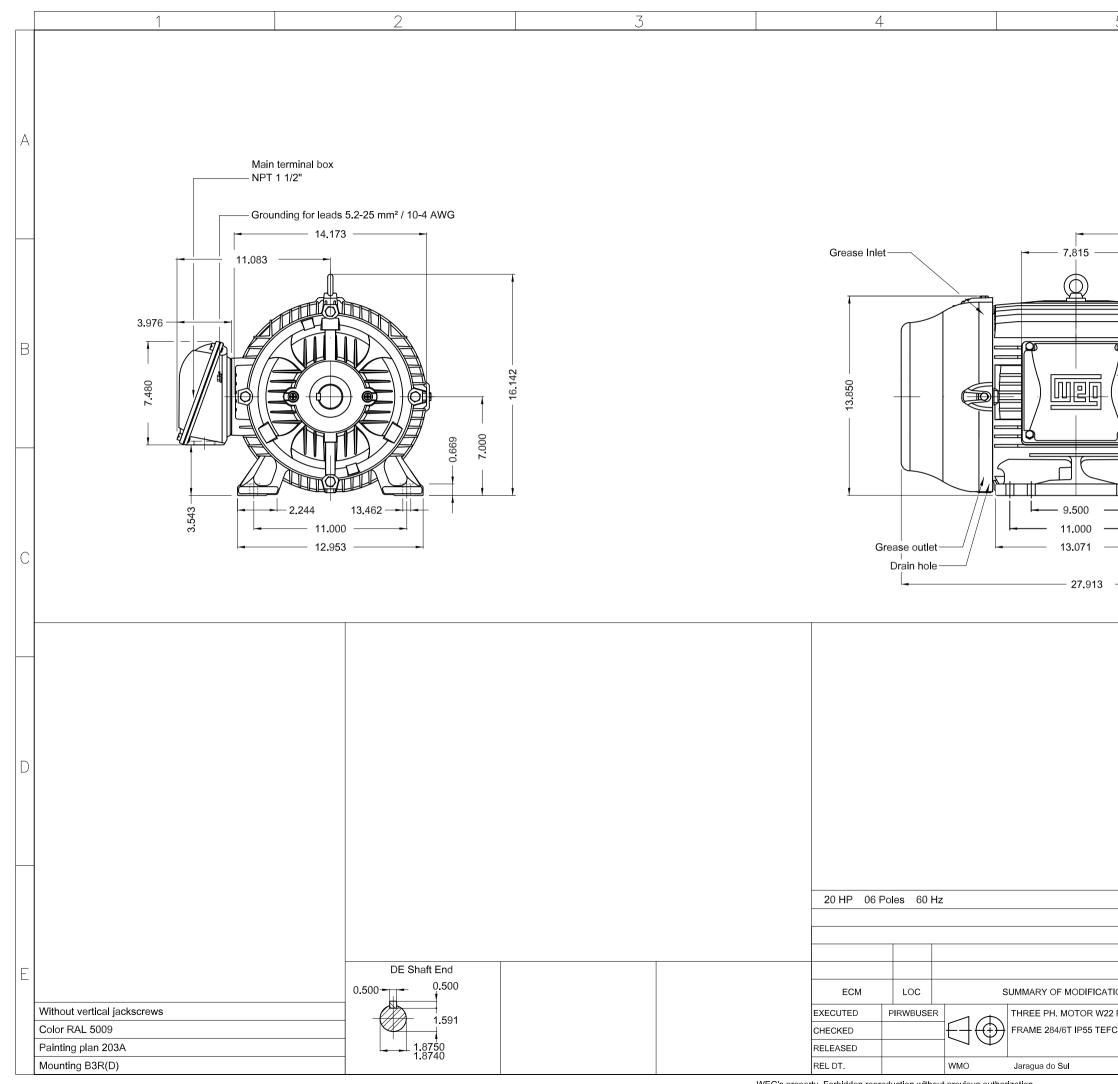
#### **VFD OPERATION CURVE** Three Phase Induction Motor - Squirrel Cage Customer : Product line : NEMA Premium Efficiency Three-Product code : 11441772



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.



WEG's property. Forbidden reproduction without previous authorization.

5			6		
- 10.256					
	/ Grease li	nlet			
▝▋▋▋▖ᢪ╭▖					
	۲ I				
79=					
/* <b> </b>	3.15	50			
∖╞═╜ <u></u> ╓╴╷					
	ļi				
	<b>(</b>				
4.750-		00			
		ease outlet			
		ain hole			
					hes
					in inc
					sions
					Dimensions in inches
					А
IONS	EXECUTED C	HECKED R	ELEASED	DATE	VER
PREM EFF		PREVIE	ـــــــــــــــــــــــــــــــــــــ		
С			v v	11E	A3
		/DD			
Produc	t Engineering SHE	ET	1 / 1		XME

