# DATA SHEET

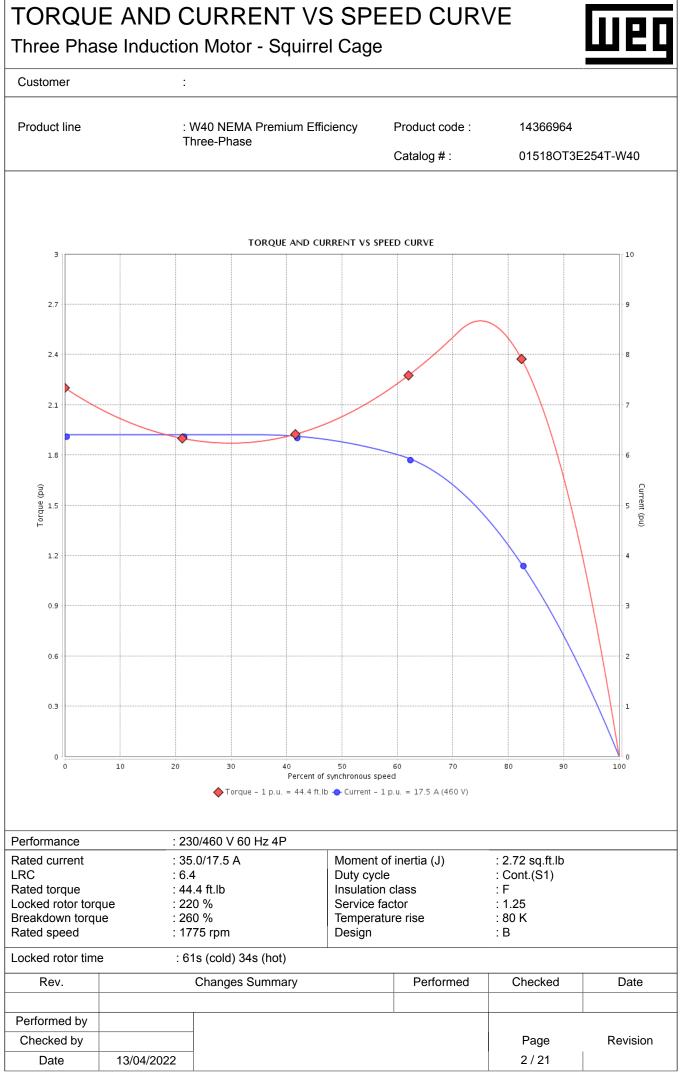
Three Phase Induction Motor - Squirrel Cage

:



#### Customer

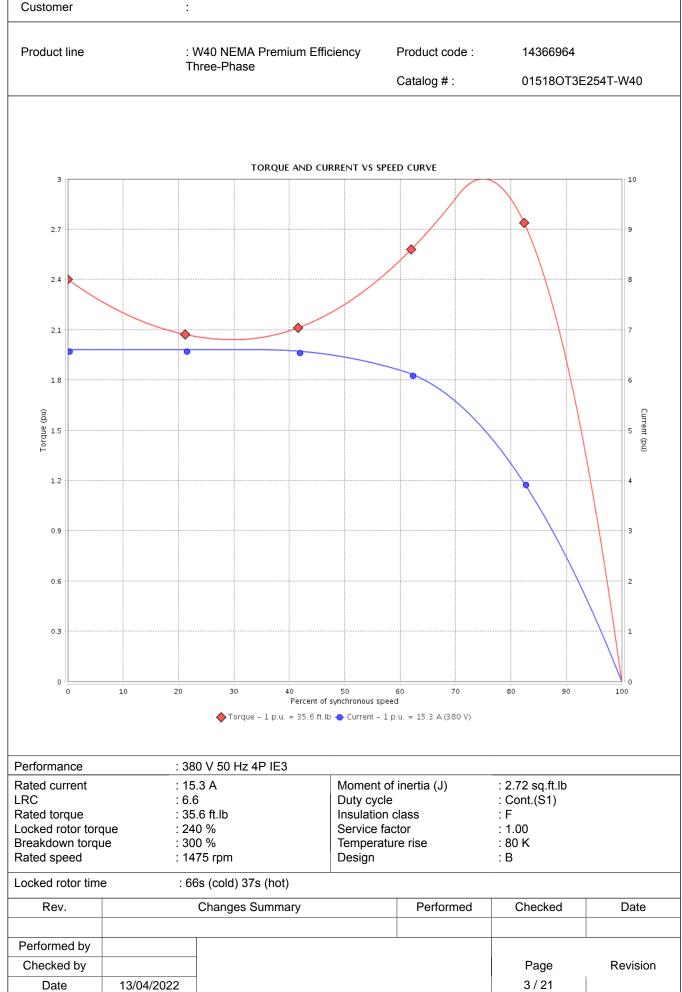
Insulation class       : F       Mounting       ::-1         Duty cycle       ::-Cont.(S1)       Rotation <sup>1</sup> ::Both (CW and CCW)         Ambient temperature       :1000 m.a.s.l.       Rotation <sup>1</sup> ::Both (CW and CCW)         Attitude       :1000 m.a.s.l.       Protection degree       :IP23         Design       :B       10       10       10         Yourge (HP)       15       10       10       10         Yourge (H2)       60       50       50       50         Stated voltage [V]       230/460       380       400       41.7         R. Amperes [A]       235.0/17.5       15.3       14.9       14.7         R. Caperes [A]       224/112       101       101       103         Yourge [A]       13.6/6.80       7.00       7.30       7.80         Stated speed [RPM]       1775       1475       1480       1480         Stated speed [RPM]       1.39       1.67       1.33       1.33         Stated speed [RPM]       1.75       1475       1480       1480         Stated speed [RPM]       1.75       1475       1480       1480         Stated speed [RPM]       1.39       8.6       35.5	Product line		: W40 NEMA Premium Efficiency		ncy Pi	cy Product code :		14366964	
Insulation class         : F         Mounting         : F-1           Duty cycle         : Cont.(51)         Rotation'         : Both (CW and CCW)           Ambient temperature         : 20°C to +40°C         Starting method         : Direct On Line           Ambient temperature         : 20°C to +40°C         Starting method         : Direct On Line           Protection degree         : IP23         Moment of inertia (J)         : 2.72 sq.ft.lb           Design         : B         10         10         10           Origes         4         4         4         4           requency [Hz]         60         50         50         50           fated outgage [V]         230/460         380         400         415           fated outgage [V]         230/460         380         400         440           R. Amperes [A]         224/112         101         101         103           Ideal opera [RPM]         17.75         1475         1480         1440           iated sorea [RPM]         1775         1475         1480         1440           iated sorea [RPM]         175         1475         1480         1440           iated sorea [RPM]         175         1475         <			Three-Phase		C	atalog # :	015180	DT3E254T-W40	
butput [HP]         15         10         10         10           foles         4         4         4         4         4           requency [Hz]         60         50         50         50           tated voltage [V]         230/460         380         400         415           tated ourgent [A]         35.0/17.5         15.3         14.9         14.7           R. Amperes [A]         2224/112         101         101         101         103           to load current [A]         13.6/6.80         7.00         7.30         7.80           tated speed [RPM]         1775         1475         1480         1480         1480           totad current [A]         1.3.9         1.67         1.33         1.33         1.33           tated corque [ftb]         44.4         35.6         35.5         35.5           cocked rotor torque [%]         2200         240         280         310           treakdown torque [%]         220         240         280         310           treakde rotor true [%]         220         240         380         89.6         80 K           totad cort time         610 (cold) 345 (hot)         689.2         89.2	Insulation class: FDuty cycle: Cont.(S1)Ambient temperature: -20°C to +Altitude: 1000 m.a.sProtection degree: IP23		: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP23	t.(S1) Mounting Rotation <sup>1</sup> C to +40°C Starting method D m.a.s.l. Approx. weight <sup>3</sup>		nethod veight <sup>3</sup>	: F-1 : Both (CW and CC od : Direct On Line t <sup>3</sup> : 247 lb		
bits         4         50         60         40         44         44         44         40         40         41         41         41         41         41         410         410         410         <	-			,	4.2		•	40	
requency [Hz]         60         50         50         50           tated voltage [V]         230/460         380         400         415           tated current [A]         35.017.5         15.3         14.9         14.7           R. Amperes [A]         224/112         101         101         103         RC [A]         64x(Code G)         6.6x(Code H)         7.0x(Code J)         7.80         Tatade speed [RPM]         1775         1440         1480         1680         360         56         365         365         100         100         100         100         100         100								-	
tated outging (V)         230/460         380         400         415           tated current [A]         35.0/17.5         15.3         14.9         14.7           R. Amperes [A]         224/112         101         101         103           RC [A]         6.4x(Code G)         6.6x(Code H)         6.8x(Code J)         103           Io load current [A]         13.6/6.80         7.00         7.30         7.80           tated speed [RPM]         1775         1475         1480         1480           ing [%]         1.33         1.33         1.33         1.33           tated torque [%]         220         240         280         310           treakdown torque [%]         220         240         280         310           treakdown torque [%]         220         240         280         310           treakdown torque [%]         260         300         330         360           tervice factor         1.25         1.00         1.00         1.00           emperature rise         80 K         80 K         80 K         80 K           terakdown torput (%)         25%         91.0         91.0         91.0           toise level*         62.0<								-	
Lated current [A]         35.017.5         15.3         14.9         14.7           .R. Amperes [A]         224/112         101         101         103         103           .R. Amperes [A]         6.4x(Code G)         6.6x(Code H)         6.8x(Code H)         7.00         7.30         7.80           lated speed [RPM]         1775         1475         14460         1480         1480           lip [%]         1.39         1.67         1.33         1.33         1.33           lated torque [%]         220         240         280         310           revice factor         1.25         1.00         1.00         1.00           revice factor         1.25         1.00         1.00         1.00           revice factor         1.25         1.00         1.00         1.00         1.00           revice factor         1.25         1.00									
R. Amperes [Å]     224/112     101     101     101     103       RC [Å]     6.4x(Code G)     6.6x(Code H)     6.8x(Code H)     7.0x(Code J)       lo load current [Å]     13.6/6.80     7.00     7.30     7.80       cated speed [RPM]     1775     1475     1480     1480       lig [%]     1.39     1.67     1.33     1.33       atated torque [%]     220     240     280     310       reakdown torque [%]     260     300     330     360       coked rotor torque [%]     260     300     1.00     1.00       reakdown torque [%]     260     300     330     360       coked rotor time     61s (cold) 34s (hot)     68s (cold) 37s (hot)     59s (cold) 30s (hot)       lose level?     62.0 dB(Å)     62.0 dB(Å)     62.0 dB(Å)       Efficiency (%)     25%     91.0     88.9     89.0     89.0       lose kevel?     25%     0.43     0.38     0.35     0.32       Power Factor     50%     0.66     0.62     0.58     0.52       r5%     0.78     0.75     0.72     0.69       100%     0.82     0.80     0.36     0.32       Power Factor     50902 C2 36209 C3     6.02     0.58<									
RC [A]         6.4x(Code G)         6.6x(Code H)         6.8x(Code H)         7.0x(Code J)           io load current [A]         13.6/6.80         7.00         7.30         7.80           taded speed [RM]         1775         1475         1480         1480         1480           tip [%]         1.39         1.67         1.33         1.33         1.33         1.33           taded torque [%]         220         240         280         330         360           revice factor         1.25         1.00         1.00         1.00         1.00           envice factor         1.25         1.00         1.00         1.00         1.00           ocked rotor torgue [%]         260         300         330         360         80 K           coked rotor tore         61s (cold) 34s (hot)         66s (cold) 37s (hot)         59s (cold) 33s (hot)         54s (cold) 30s (hot)         59s (cold) 33s (hot)         59s (cold) 33s (hot)         50s (cold)									
lo load current [A]         13.6/6.80         7.00         7.30         7.80           lated speed [RPM]         1775         1475         1480         1480           lig [%]         1.39         1.67         1.33         1.33           lated torque [%]         220         240         280         310           treakdown torque [%]         220         240         280         310           treakdown torque [%]         260         300         330         386           treakdown torque [%]         260         300         333         1.00           treakdown torque [%]         260         300         333         10           treakdown torque [%]         260         300         330         386           temperature rise         60 K         80 K         80 K         80 K         80 K           ocked rotor time         615 (cold) 34s (hot)         66s (cold) 37s (hot)         59s (cold) 33s (hot)         54s (cold) 30s (hot           loise level <sup>2</sup> 62.0         91.0         91.0         91.0         91.0           efficiency (%)         30.8         0.32         0.88         0.35         0.32           power Factor         75%         0.78									
tated speed [RPM]         1775         1475         1480         1480           lijp [%]         1.39         1.67         1.33         1.33         1.33           lipp [%]         1.39         1.67         1.33         1.33         1.33           lipp [%]         220         240         280         3310         360           lead torque [%]         220         120         100         100         1100         100           emparture rise         80 K         80 K         80 K         80 K         80 K         80 K           cocked rotor time         61s (cold) 34s (hot)         66s (cold) 37s (hot)         59s (cold) 30s (hot)         69s (cold) 30s (hot)         69s (cold) 35 (hot)         69s (cold) 33 (hot)         910         910         910         910         910         910         910         910         910         910         910         910         910         910         910         910				6.6					
lip [%]         1.39         1.67         1.33         1.33           lated torque [%]         44.4         35.6         35.5         35.5           ocked rotor torque [%]         220         240         280         310           reakdown torque [%]         260         300         330         360           iervice factor         1.25         1.00         1.00         1.00           ervice factor         1.25         1.00         1.00         1.00           issission color time         61s (cold) 34s (hot)         66s (cold) 37s (hot)         59s (cold) 30s (hot)         54s (cold) 30s (hot)           loise level?         620.0 GR(A)         88.9         89.0         89.0         89.0           efficiency (%)         50%         91.0         88.9         89.0         89.0         89.0           efficiency (%)         50%         0.43         0.33         0.35         0.32         89.2         89.2         89.2           Power Factor         75%         0.78         0.75         0.72         0.69         0.78           Dirive end         Non drive end         Foundation loads         Max. compression         Max. compression           Bearing type         : <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
tailed torque [ft.lb]         44.4         35.6         35.5         35.5           ocked rotor torque [%]         220         240         280         310           reakdown torque [%]         260         300         330         360           reakdown torque [%]         260         300         1.0         1.00         1.00           emperature rise         80 K         80 K         80 K         80 K         80 K         80 K           ocked rotor time         61s (cold) 34s (hot)         66s (cold) 37s (hot)         59s (cold) 33s (hot)         54s (cold) 30s (hot)           Libre vel?         62.0 dB(A)		Лј	_						
ocked rolor torque [%]         220         240         280         310           irreakdown torque [%]         260         300         330         360           irreivice factor         1.25         1.00         1.00         1.00         1.00           ioise level?         61s (cold) 34s (hot)         66s (cold) 37s (hot)         59s (cold) 33s (hot)         54s (cold) 30s (hot)           ocked rotor time         61s (cold) 34s (hot)         68.9         89.0         89.0         89.0           efficiency (%)         25%         91.0         91.0         91.0         91.0         91.0         91.0         91.0           Power Factor         25%         0.43         0.38         0.75         0.72         0.69           Torixe end Non drive end         Virive end         Foundation loads         Max. traction         Max. compression           Bearing type         : </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
irreakdown torque [%]         260         300         330         360           iervice factor         1.25         1.00         1.00         1.00           emperature rise         80 K         80 K         80 K         50 K           ceked rotor time         61s (cold) 34s (hot)         66s (cold) 37s (hot)         59s (cold) 33s (hot)         54s (cold) 30s (hot)           toise level®         62.0 dB(A)         88.9         89.0         89.0           Efficiency (%)         50%         91.7         89.2         89.2         89.2           75%         92.4         91.0         91.0         91.0         91.0         91.0           Power Factor         50%         0.43         0.38         0.35         0.32           Power Factor         50%         0.66         0.62         0.58         0.55           75%         0.78         0.75         0.72         0.69           100%         0.85         0.62         0.80         0.78           Bearing type         :         6309 Z C3         6209 Z C3         6209 Z C3           Sealing         :         Without         Without         Without         bearing Seal           Lubricatit type <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
iervice factor         1.25         1.00         1.00         1.00         1.00           emperature rise         80 K         80									
emperature rise         80 K		[%]						360	
ocked rotor time         61s (cold) 34s (hot)         66s (cold) 37s (hot)         59s (cold) 33s (hot)         54s (cold) 30s (hot)           loise level?         62.0 dB(A)         88.9         89.0         89.0         89.0           Efficiency (%)         50%         91.0         88.9         89.2         89.2         89.2           25%         92.4         91.0         91.0         91.0         91.0         91.0           100%         93.0         91.0         91.0         91.0         91.0         91.0           25%         0.43         0.38         0.35         0.32         0.32           Power Factor         50%         0.66         0.62         0.58         0.55           75%         0.72         0.69         0.75         0.72         0.69           100%         0.85         0.82         0.80         0.78           Bearing type         :         6309 Z C3         6209 Z C3         Max. traction           Bearing type         :         03000 h         20000 h         20000 h         20000 h           Lubrication interval         :         20000 h         20000 h         20000 h         20000 h           Lubrication titerval         : <td>Service factor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Service factor								
Disc level <sup>2</sup> 62.0 dB(A)         C <thc< th="">         C         <thc< th=""> <thc< th=""></thc<></thc<></thc<>	emperature rise		80 K	80 K		80	K	80 K	
Disc level <sup>2</sup> 62.0 dB(A)         C <thc< th="">         C         <thc< th=""> <thc< th=""></thc<></thc<></thc<>	ocked rotor time		61s (cold) 34s (hot)	66s (o	cold) 37s (ho	ot) 59s (cold)	33s (hot)	54s (cold) 30s (hot)	
Efficiency (%)         25%         91.0         88.9         89.0         89.0           26%         91.7         88.2         89.2         89.2         89.2           76%         92.4         91.0         91.0         91.0         91.0           100%         93.0         91.0         91.0         91.0         91.0           Power Factor         25%         0.43         0.38         0.35         0.32           Power Factor         50%         0.66         0.62         0.58         0.55           75%         0.78         0.75         0.72         0.69           100%         0.85         0.82         0.80         0.78           Bearing type         :         6309 Z C3         6209 Z C3         Max. traction           Lubrication interval         :         20000 h         20000 h         Max. traction           Lubrication interval         :         20000 h         20000 h         Max. traction           Notes         :         Mobil Polyrex EM         Max. traction         MG-1.           2) Measured at 1m and with tolerance of +3dB(A).         :         Spipoximate weight subject to changes after manufacturing process.           (4) At 100% of full load.	loise level <sup>2</sup>			ţ,			. ,		
Efficiency (%)         50%         91.7         89.2         89.2         89.2         89.2           T5%         92.4         91.0         91.0         91.0         91.0         91.0           Power Factor         25%         0.43         0.38         0.35         0.32           Power Factor         50%         0.66         0.62         0.58         0.55           75%         0.78         0.75         0.72         0.69           100%         0.85         0.82         0.80         0.78           Bearing type         :         6309 Z C3         6209 Z C3         Max. traction           Sealing         :         Without         Bearing Seal         Bearing Seal         Bearing Seal           Lubrication interval         :         20000 h         20000 h         20000 h         Max. compression           Notes         USABLE @208V 38.7A SF 1.15 SFA 44.5A         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)         Maxuerd at 1m adwith tolerance of +3dB(A).           (3) Approximate weight subject to changes after manufacturing process.         (4) At 100% of full load.         Ma           Rev.		25%			88.9	89	.0	89.0	
Efficiency (%)         75%         92.4         91.0									
100%         93.0         91.0         0.75         0.72         0.69         0.32         0.80         0.78         0.78         0.78         0.78         0.82         0.82         0.80         0.78 <th< td=""><td>Efficiency (%)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Efficiency (%)								
Power Factor         25%         0.43         0.38         0.35         0.32           Power Factor         50%         0.66         0.62         0.58         0.55           75%         0.78         0.75         0.72         0.69           100%         0.85         0.82         0.80         0.78           Sealing         :         6309 Z C3         6209 Z C3         Max. traction           Bearing type         :         6309 Z C3         6209 Z C3         Max. traction           Sealing         :         Without         Without         Max. compression           Bearing Seal         Bearing Seal         Bearing Seal         Max. traction           Lubricant amount         :         13 g         9 g           Lubricant type         :         Mobil Polyrex EM           Notes         USABLE @208V 38.7A SF 1.15 SFA 44.5A         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).         MG-1.           (3) Approximate weight subject to changes after manufacturing process.         MG-1.           (4) At 100% of full load.         Performed         Checked         Date <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Power Factor       50%       0.66       0.62       0.58       0.55         75%       0.78       0.75       0.72       0.69         100%       0.85       0.82       0.80       0.78         Bearing type       :       6309 Z C3       6209 Z C3       Foundation loads         Sealing       :       Without       Without       Max. traction         Lubrication interval       :       20000 h       20000 h       20000 h         Lubricant amount       :       13 g       9 g       g         Lubricant amount       :       13 g       9 g       g         Notes       USABLE @208V 38.7A SF 1.15 SFA 44.5A       These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.         (3) Approximate weight subject to changes after manufacturing process.       (4) At 100% of full load.       Performed       Checked       Date         Performed by									
Power Factor       75%       0.78       0.75       0.72       0.69         100%       0.85       0.82       0.80       0.78         Bearing type       :       6309 Z C3       6209 Z C3       Max. traction         Sealing       :       Without       Without       Max. traction         Bearing Seal       Bearing Seal       Bearing Seal       Max. traction         Lubrication interval       :       20000 h       20000 h         Lubricant amount       :       13 g       9 g         Lubricant type       :       Mobil Polyrex EM       Max. traction         Notes       USABLE @208V 38.7A SF 1.15 SFA 44.5A       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       Chacked       Date         Performed by									
100%       0.85       0.82       0.80       0.78         Bearing type       :       6309 Z C3       6209 Z C3       Max. traction         Sealing       :       Without       Without       Without       Max. traction         Bearing Seal       Bearing Seal       Bearing Seal       Bearing Seal       Bearing Seal       Bearing Seal         Lubrication interval       :       20000 h       20000 h       Max. traction       Max. traction         Lubrication interval       :       20000 h       20000 h       20000 h       Max. traction         Lubricant amount       :       13 g       9 g       Mobil Polyrex EM       Max. traction         Notes       USABLE @208V 38.7A SF 1.15 SFA 44.5A       These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA (G-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	Power Factor								
Drive end Bearing type       Sealing       Drive end 6309 Z C3       Foundation loads Max. traction         Sealing       Without Bearing Seal       Without Bearing Seal       Max. traction         Lubrication interval       20000 h       20000 h         Lubricant amount       13 g       9 g         Lubricant type       Mobil Polyrex EM         Notes       USABLE @208V 38.7A SF 1.15 SFA 44.5A         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 MG-1.         (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.       MG-1.         (4) At 100% of full load.       Performed       Checked Date         Performed by       Page       Revision									
Notes       USABLE @208V 38.7A SF 1.15 SFA 44.5A         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 MG-1.         (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 by       Page         Revision       Page	Lubricant amoun	/al	Drive end Non dr 6309 Z C3 620 Without W Bearing Seal Bear 20000 h 20 13 g	9 Z C3 ithout ing Seal 000 h 9 g	Foundation Max. tracti Max. comp	n loads on			
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         Performed by       Page       Revision	Notes	38.7A SF 1.							
Performed by	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.	shaft end. olerance of +3dB(A).	hich	power sup	•			
Checked by Page Revision	Rev.		Changes Summary	,		Performed	Checked	Date	
	Performed by							I	
	Checked by						Page	Revision	
		12/01/2020	2						
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A									



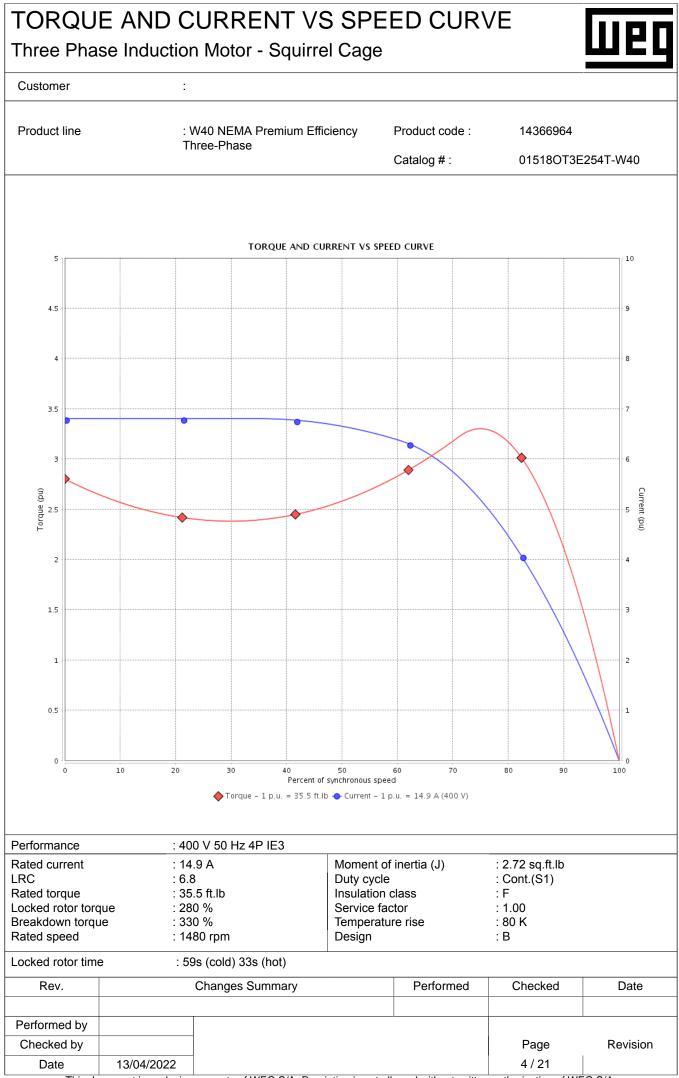
### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



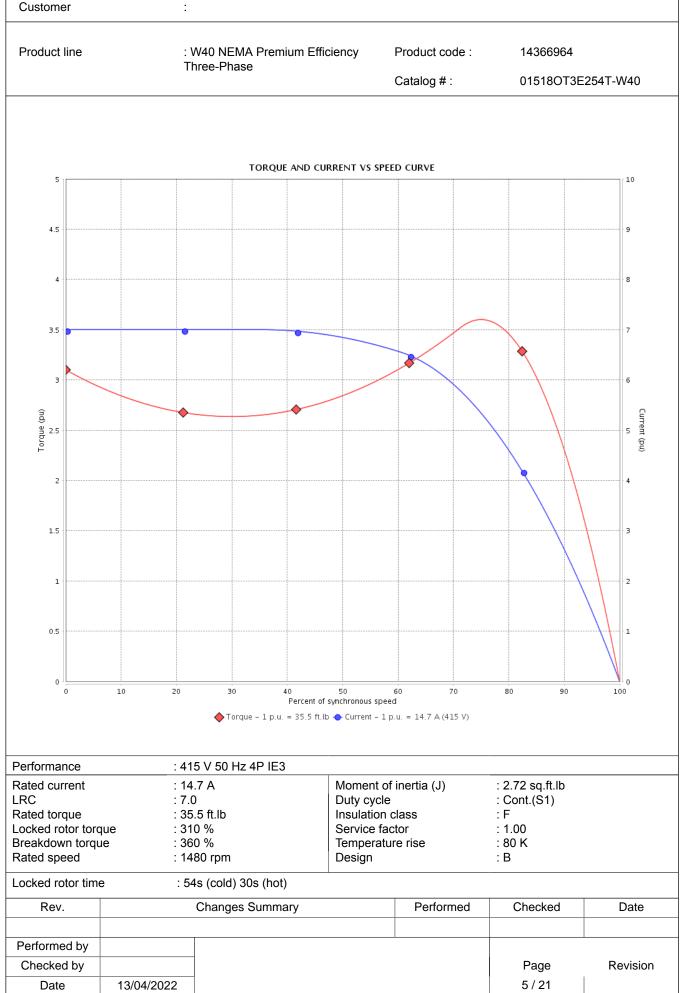
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.



### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

#### Customer



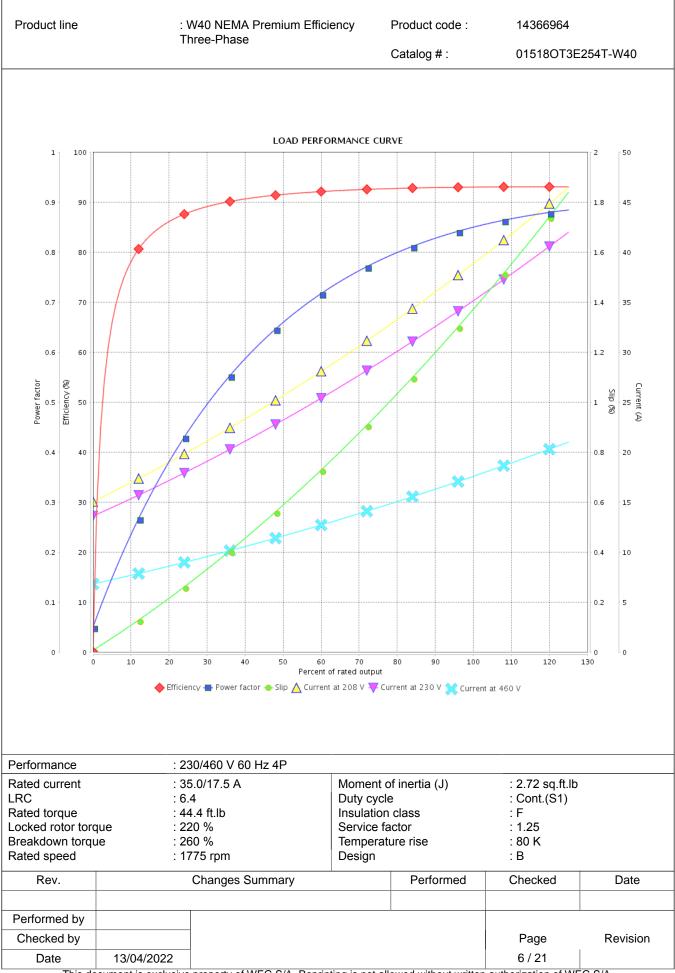
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

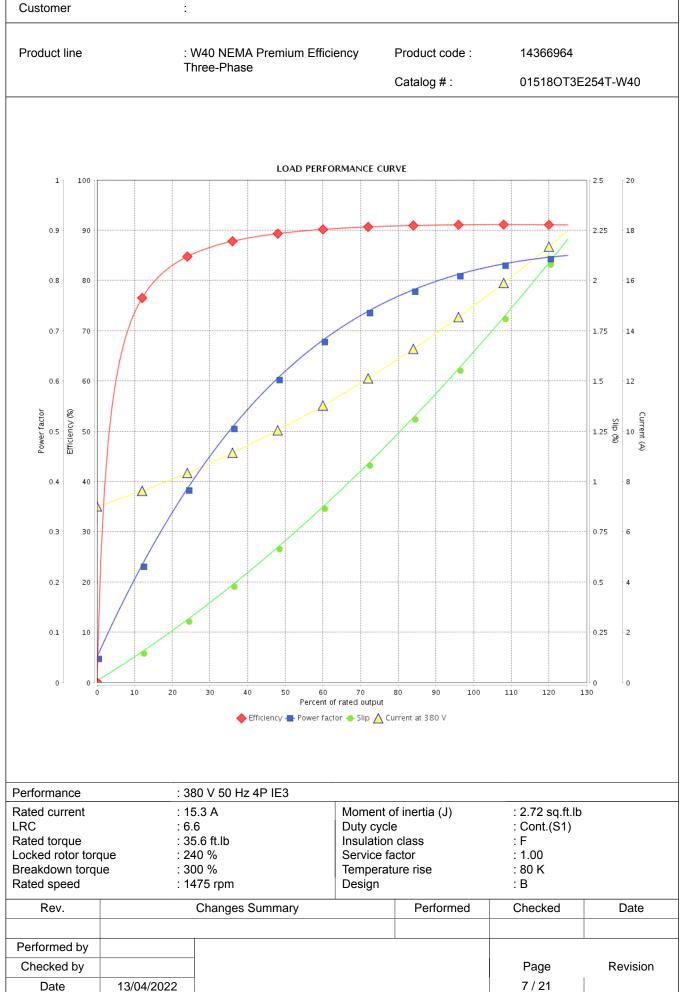


Customer



Three Phase Induction Motor - Squirrel Cage

### Customer



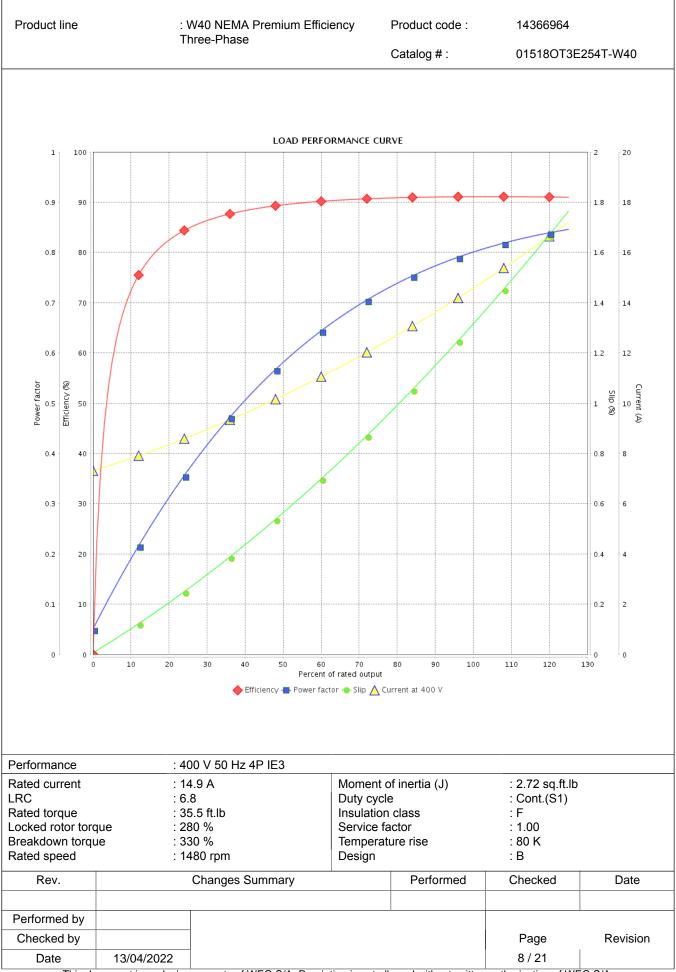
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Three Phase Induction Motor - Squirrel Cage

:

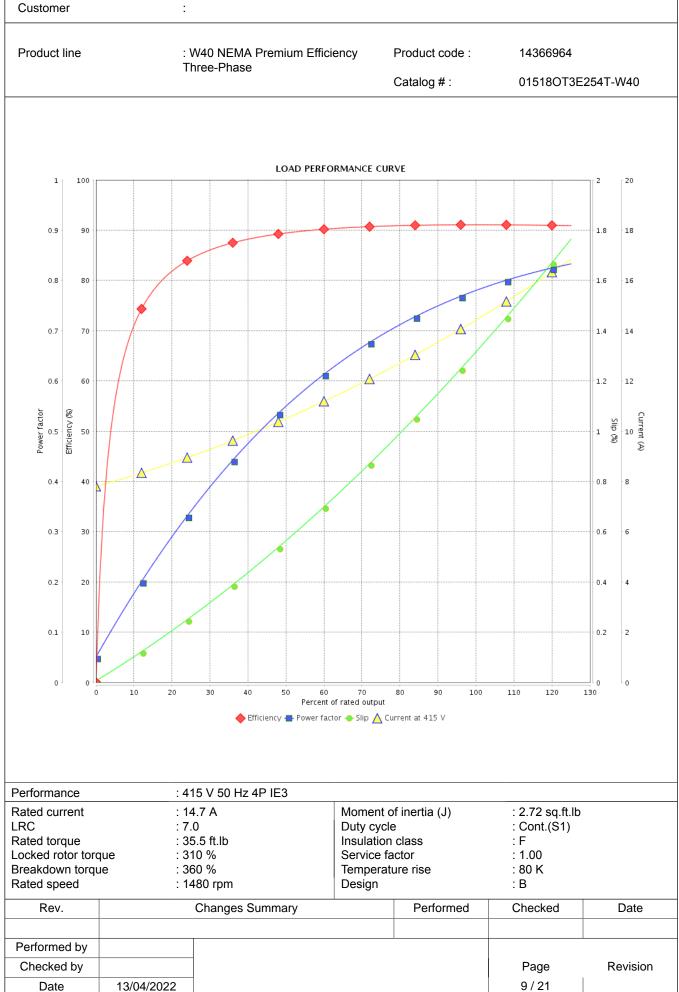


Customer



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

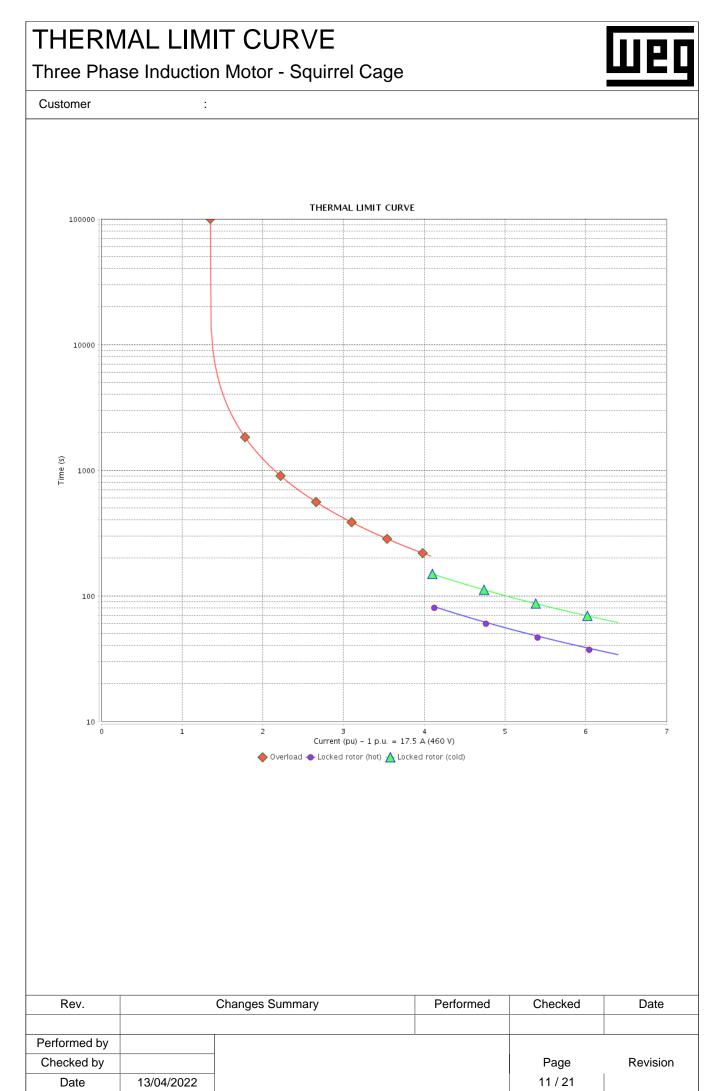
:



Customer

Product line		W40 NEMA Premium Efficie hree-Phase	ency	Product code :	14366964	14366964		
	,			Catalog # :	01518OT3E2	54T-W40		
Performance	: 2	30/460 V 60 Hz 4P						
Rated current		5.0/17.5 A	Moment of	of inertia (J)	: 2.72 sq.ft.lb			
LRC Rated torque	: 6 · 4	.4 4.4 ft.lb	Duty cycle Insulation	e class	: Cont.(S1) : F			
Locked rotor torc	jue : 2	20 %	Service fa	actor	: 1.25			
Breakdown torqu		60 %	Temperat	ure rise	: 80 K : B			
Rated speed		775 rpm	Design		. D			
Heating constant								
Cooling constant Rev.	[	Changes Summary		Performed	Checked	Date		
1168.		Shanges Summary		i enomed	CHECKEU	Dale		
Performed by								
Checked by		-			Page	Revision		
Date	13/04/2022	-			10/21			

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



# THERMAL LIMIT CURVE

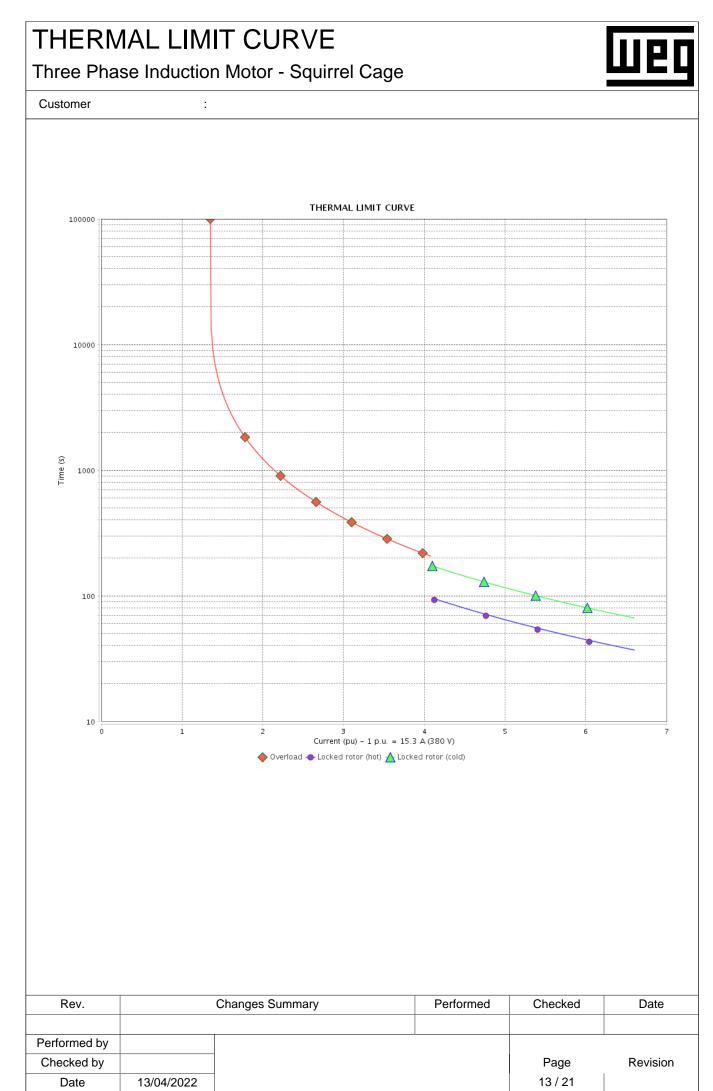
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: W40 NEMA Premium Efficiency		Product code :	14366964	14366964		
	Т	hree-Phase		Catalog # :	01518OT3E2	54T-W40		
Performance	: 3	80 V 50 Hz 4P IE3						
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 6 : 3 jue : 2 ie : 3	5.3 A .6 5.6 ft.lb 40 % 00 % 475 rpm	Moment o Duty cycle Insulation Service fa Temperatu Design	class ctor	: 2.72 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B			
Heating constant	t							
Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
Performed by								
Checked by		]			Page	Revision		
Date	13/04/2022				12/21			



## THERMAL LIMIT CURVE

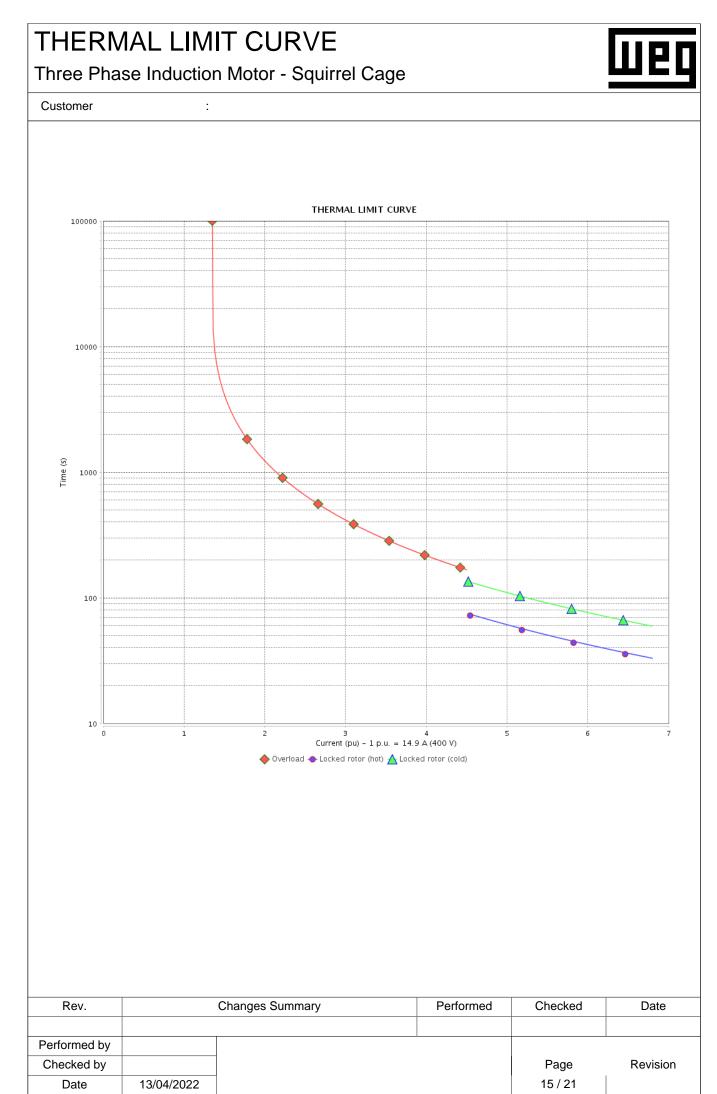
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line	:	W40 NEMA Premium Efficie	encv	Product code :	14366964	
	Т	hree-Phase		Catalog # :	01518OT3E2	54T-W40
Performance		00 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torc Breakdown torqu Rated speed	: 6 : 3 jue : 2 ie : 3	4.9 A 5.8 55.5 ft.lb 280 % 330 % 480 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 2.72 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constant	t					
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				14 / 21	



## THERMAL LIMIT CURVE

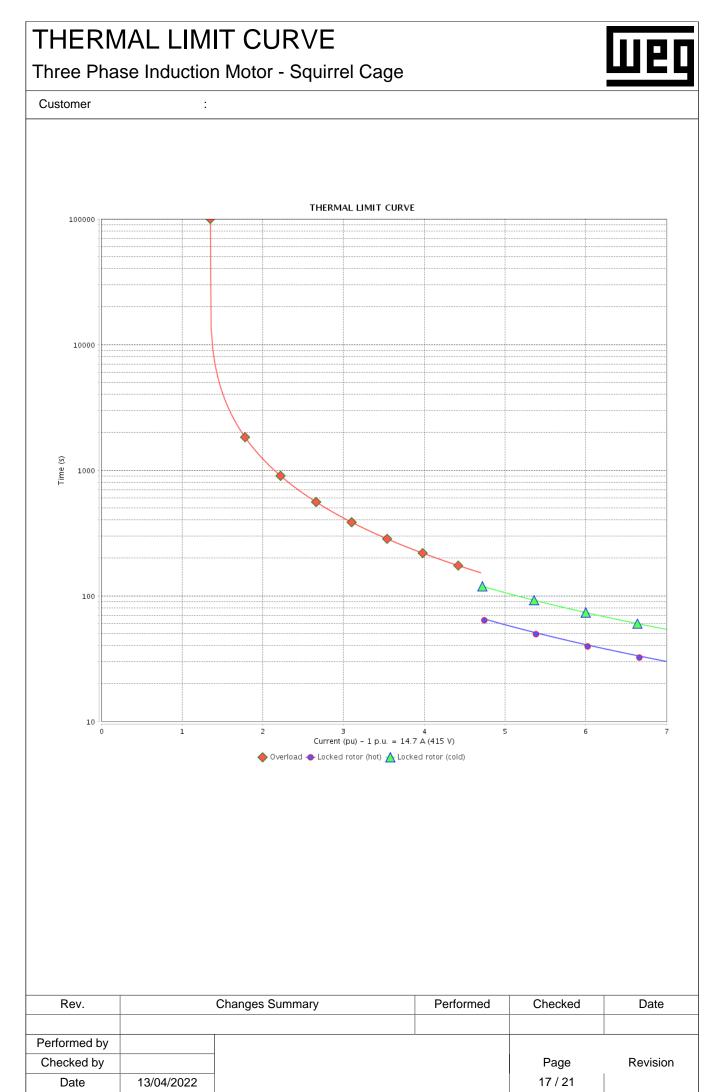
Three Phase Induction Motor - Squirrel Cage

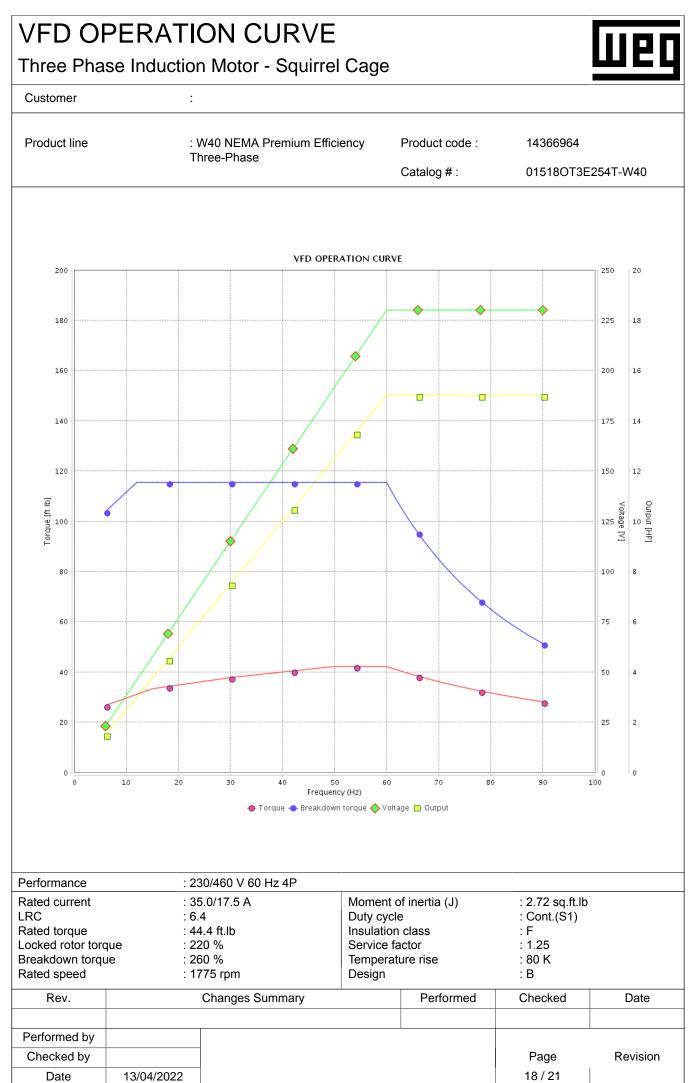
:



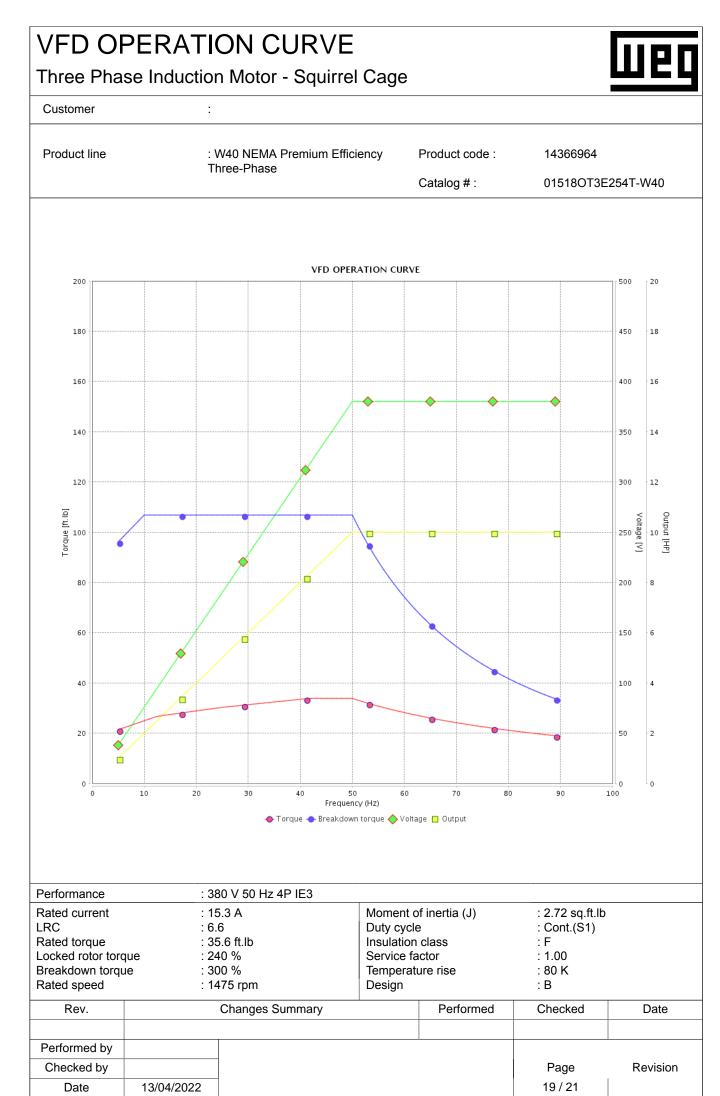
Customer

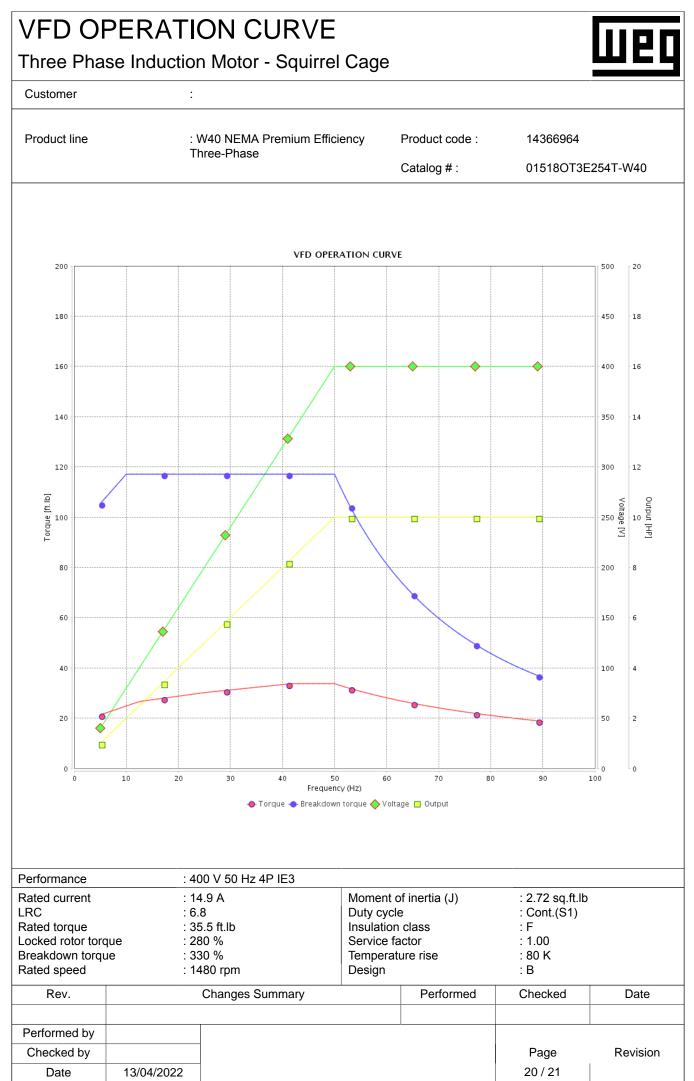
Product line		W40 NEMA Premium Efficie Three-Phase	ency	Product code :	14366964	
				Catalog # :	01518OT3E2	54T-W40
Performance	·	415 V 50 Hz 4P IE3				
Rated current		14.7 A	Moment o	of inertia (J)	: 2.72 sq.ft.lb	
LRC	: 7	7.0	Duty cycle	Э	: Cont.(S1)	
Rated torque Locked rotor torc		35.5 ft.lb 310 %	Insulation Service fa		: F : 1.00	
Breakdown torqu	ie ::	360 %	Temperat		: 80 K	
Rated speed		1480 rpm	Design		: B	
Heating constant						
Cooling constant	<u> </u>					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by		-			Page	Revision
Date	13/04/2022	-			16 / 21	

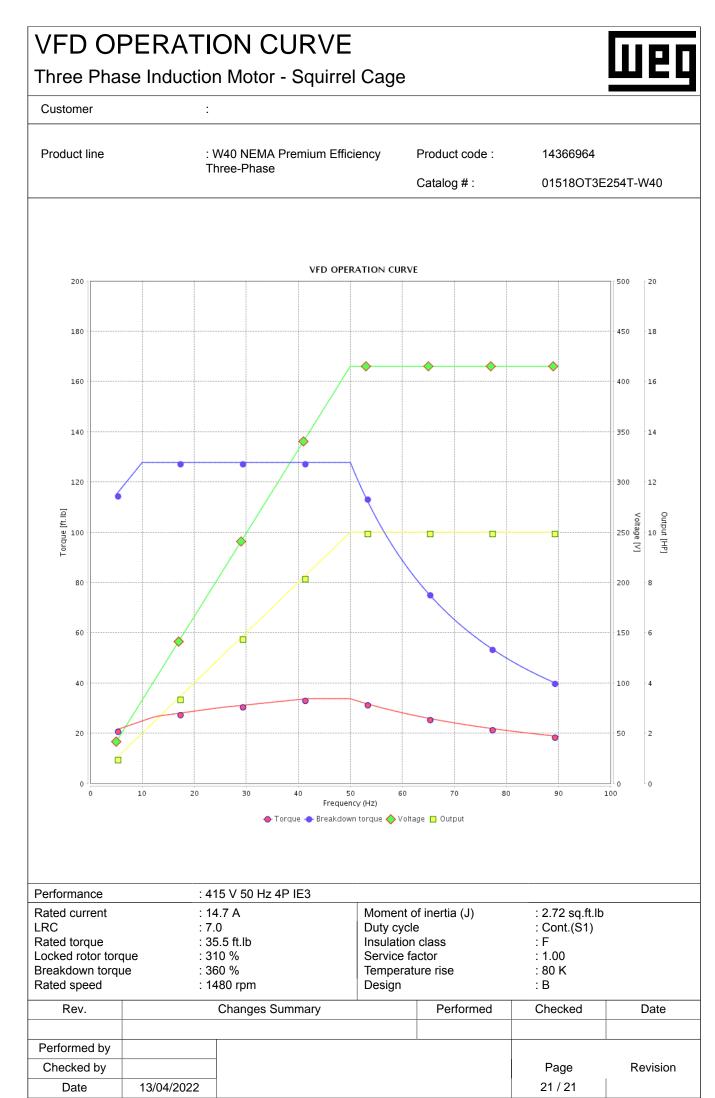


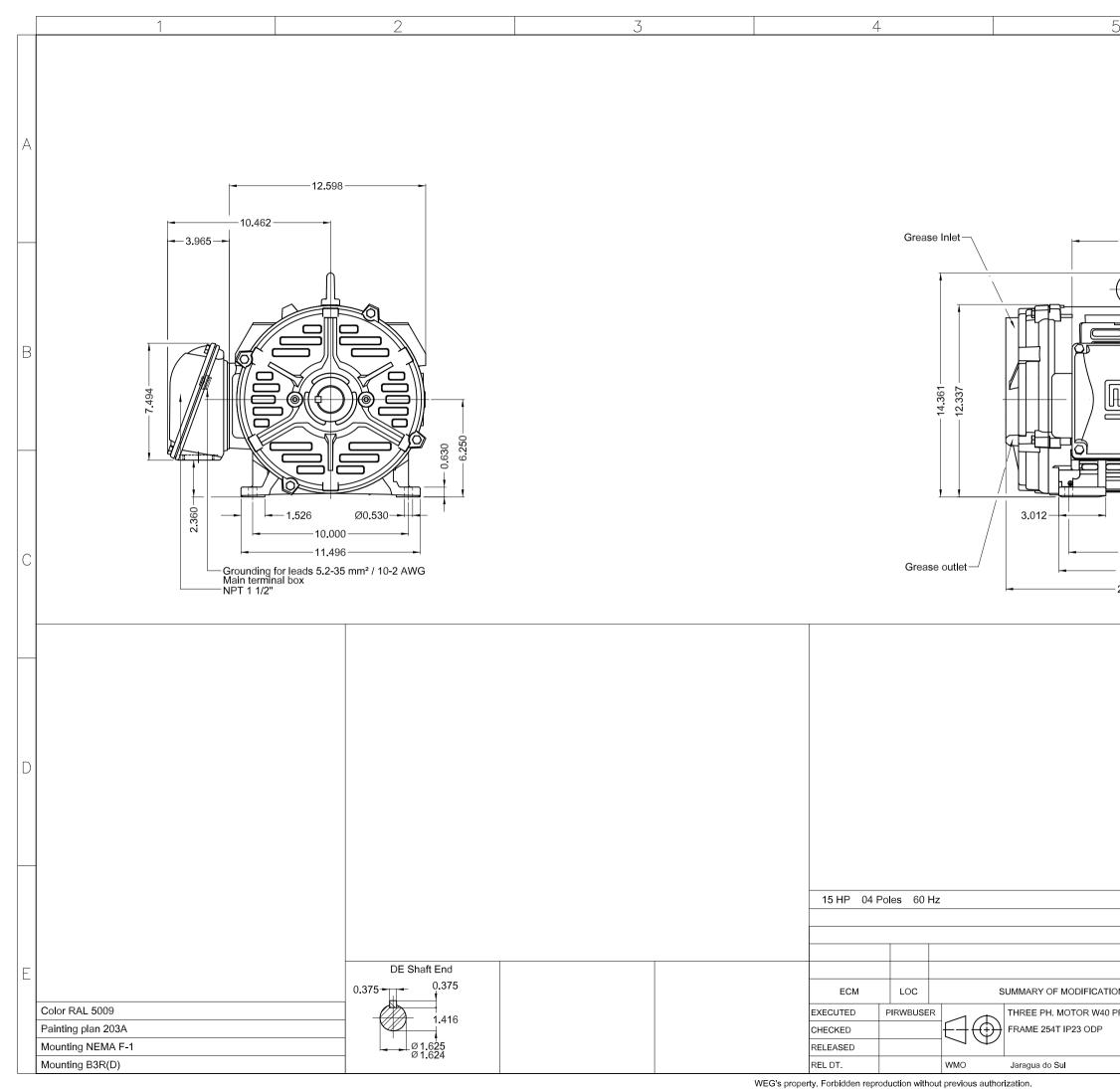


This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.









5			6			
5 -7.813		4.000 - Greas	ase Inlet			
						Dimensions in inches
					A	
				1		
				1:6		
TIONS	EXECUTED	CHECKED	RELEASED	DATE	VER	
PREM. EFF.		PREV	EW			
				Ше		A3
Produc	t Engineering	WDD SHEET	1 / 1			XME
Produc			· / ·			×

