## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



## Customer

must be eliminated.       power supply, subject         (1) Looking the motor from the shaft end.       MG-1.         (2) Measured at 1m and with tolerance of +3dB(A).       MG-1.         (3) Approximate weight subject to changes after       MG-1.         manufacturing process.       Performed by         Performed by       Performed by	: 14284619			
Insulation class         : F         Mounting           Duty cycle         : Cont.(S1)         Rotation           Ambient temperature         : 20°C to +40°C         Starting method           Attitude         : 1000 m.a.s.l.         Protection degree         : IP55           Design         : B         Moment of inertia (J)           Poles         4         -           Frequency [Hz]         : 50         -           Rated voltage [V]         : 380         -           Rated voltage [V]         : 333         -           Rated voltage [V]         : 3.33         -           Rated voltage [RPM]         : 1450         -           Incked rotor torque [%]         : 220         -           Service factor         : 1.00         -           Reaktoror time         : 366 cold) 20s (hot)         -           Noise level?         : 560         : 0002         -           Frequency (%)         : 25%         : 0.00         -           Power Factor         : 50%         : 000 <td< td=""><td>01018XT3E215TC</td></td<>	01018XT3E215TC			
Poles         4           Frequency [Hz]         50           Rated voltage [V]         380           Rated voltage [V]         380           Rated voltage [V]         380           Rated voltage [V]         67.2           I. R. Amperes [A]         67.2           I. R. Amperes [A]         5.30           Rated speed [RPM]         1450           Silp [%]         3.33           Rated torque [%]         220           Service factor         1.00           Temperature rise         80 K           Locked rotor time         365 (cold) 205 (hot)           Noise level?         56%         0.000           25%         0.000         50%           Power Factor         50%         0.70           75%         0.80         100%           Bearing type         :         6308 2RS         6207 2RS           Sealing         :         0'ii Seal         Efficiency (%)         Trice end         Non drive end           Bearing type         :         6308 2RS         6207 2RS         Max. traction           Sealing         :         0'ii Seal         Lip Seal         Max. compression           Lubrication interval	od : IC411 - TEFC : F-1 : Both (CW and CCW) od : Direct On Line ht <sup>3</sup> : 229 lb			
Frequency [Hz]         50           Rated voltage [V]         380           Rated voltage [V]         380           Rated voltage [V]         380           Rated current [A]         15.3          R. Amperes [A]         87.2          R. Amperes [A]         5.7x(Code G)           No load current [A]         5.30           Rated speed [RPM]         1450           Slip [V6]         3.33           Rated speed [RPM]         165           Stated speed [RPM]         165           Stated speed [RPM]         165           Stated speed [RPM]         165           State speed [RPM]         165           State speed [RPM]         165           Breakdown torque [%]         220           Service factor         1.00           Emperature rise         80 K           Locked rotor time         36s (cold) 20s (hot)           Noise level <sup>2</sup> 56.0 dB(A)           Power Factor         25%         0.000           50%         0.70         75%           Sealing         Oil Seal         Lip Seal           Lubrication interval         0 h         0 h           Lubrication titerval         0 h	10			
Rated voltage [V]         380           Rated current [A]         15.3          R. Amperes [A]         5.7x(Code G)          R. Amperes [A]         5.7x(Code G)          R. Amperes [A]         5.7x(Code G)          R. Amperes [A]         5.30	4			
Rated current [A]         15.3          R. Amperes [A]         87.2          R. Ca [A]         5.7x(Code G)           No load current [A]         5.30           Stated speed [RPM]         1450           Silp [%]         3.33           Rated torque [ft.lb]         36.2           Service factor         100           Emperature rise         80 K           .ocked rotor torque [%]         220           Service factor         100           Emperature rise         80 K           .ocked rotor time         36s (cold) 20s (hot)           Idemetry         56.0 dB(A)           Efficiency (%)         50%         90.2           75%         89.5           100%         88.5           25%         0.000           50%         0.70           75%         0.80           100%         0.84           Lubrication interval         0 h         0 h           Lubrication interval         0 h         0 h           Lubrication treplaces and cancel the previous one, which must be eliminated.         Max. compression           (1) Looking the motor from the shaft end.         Mobil Polyrex EM           Notes         Thes	60			
R. Amperes [A]       87.2        RC [A]       5.7x(Code G)        RC [A]       5.30         Stated speed [RPM]       1450         Stated speed [RPM]       1450         Stated speed [RPM]       3.33         Rated torque [ft.lb]       3.62         Ocked rotor torque [%]       220         Service factor       1.00         Emperature rise       80 K         Ocked rotor time       363 (cold) 20s (hot)         Noise level <sup>2</sup> 56.0 dB(A)         Ocked rotor time       368 (cold) 20s (hot)         Noise level <sup>2</sup> 56.0 dB(A)         25%       0.000         50%       90.2         75%       89.5         100%       88.5         100%       0.84         Power Factor       50%       0.70         75%       0.80       0.84         Lubrication interval       0 h       0 h         Lubrication interval       0 h       0 h         Lubricat amount       0 g       0 g         Lubricating type       Mobil Polyrex EM       Max. compression         Motes       Mobil Polyrex EM       MG-1.         Yower supply, subject <t< td=""><td>208-230/460</td></t<>	208-230/460			
RC [A]         5.7x(Code G)           No load current [A]         5.30           Rated speed [RPM]         1450           Stated speed [RPM]         1450           Stated speed [RPM]         36.2           cocked rotor torque [%]         36.2           sreakdown torque [%]         220           Service factor         1.00           Femperature rise         80 K           cocked rotor time         36s (cold) 20s (hot)           Noise level <sup>2</sup> 56.0 dB(A)           Cocked rotor time         36s (cold) 20s (hot)           Noise level <sup>2</sup> 56.0 dB(A)           Efficiency (%)         50%         90.2           75%         89.5         100%           100%         88.5         100%           Power Factor         75%         0.80           100%         0.84         Foundation loads           Bearing type         6308 2RS         6207 2RS           Sealing         Oil Seal         Ip Seal           Lubrication interval         0 h         0 h           Lubrication interval         0 g         0 g           Lubrication interval         0 g         0 g           (1) Looking the motor from the shaft end.	28.1-25.4/12.7 183-165/82.5			
to load current [A]         5.30           Rated speed [RPM]         1450           Stip [%]         3.33           Rated torque [ft.lb]         36.2           ocked rotor torque [%]         220           Service factor         1.00           emperature rise         80 K           ocked rotor time         36s (cold) 20s (hot)           loise level?         56.0 dB(A)           Cocked rotor time         36s (cold) 20s (hot)           loise level?         50%         90.2           Efficiency (%)         50%         90.2           75%         89.5         100%           100%         88.5         25%           0.00         50%         0.70           75%         0.80         100%           100%         0.84         100%           Bearing type         6308 2RS 6207 2RS         Max. traction           Sealing         0 h         0 h           Lubricant amount         0 g         0 g           Lubricant type         Mobil Polyrex EM         Max. compression           Notes         Mobil Polyrex EM         MG-1.           This revision replaces and cancel the previous one, which must be eliminated.         MG-1.				
Rated speed [RPM]         1450           Stated torque [ft.lb]         36.2           cocked rotor torque [%]         165           Brexice factor         1.00           emperature rise         80 K           cocked rotor time         365 (cold) 205 (hot)           Noise level?         56.0 dB(A)           Efficiency (%)         25%         0.000           75%         89.5         100%           Power Factor         50%         0.70           75%         0.80         100%           Power Factor         6308 2RS         6207 2RS           Sealing         01 Seal         Lip Seal           Lubrication interval         0 h         0 h           Lubricant amount         0 g         0 g           Lubricant type         Mobil Polyrex EM         Max. compression           Notes         400 of full load.         Fase are average variant weight subject to changes after manufacturing process.         Gase 1.           (4) At 100% of full load.         Changes Summary         Performed by	6.5x(Code H) 9.48-11.0/5.50			
Slip [%]         3.33         ated torque [ft.lb]         36.2	1765			
Rated torque [ft.lb]         36.2	1.94			
Locked rotor torque [%]         165         Image: constraint of the shaft end.         100         Image: constraint of the shaft end.         Image: constraint of the shaft end.         1.00         Image: constraint of the shaft end.         Image: con	29.8			
Breakdown torque [%]       220         Bervice factor       1.00         Femperature rise       80 K         Jocked rotor time       36s (cold) 20s (hot)         Joise level <sup>2</sup> 56.0 dB(A)         Efficiency (%)       50%       90.2         75%       89.5       100%         100%       88.5       25%         00%       0.70       75%         75%       0.00       88.5         100%       0.84       100%         Power Factor       50%       0.70         75%       0.80       100%         100%       0.84       100%         Bearing type       : 6308 2RS       6207 2RS         Sealing       : Oil Seal       Lip Seal         Lubrication interval       0 h       0 h         Lubricant amount       0 g       0 g         Lubricant type       Mobil Polyrex EM       Max. compression         Notes       Mobil Polyrex EM       MG-1.         Notes       (2) Measured at 1m and with tolerance of +3dB(A).       G-1.         (2) Approximate weight subject to changes after manufacturing process.       (4) At 100% of full load.       Performed         Performed by	210			
Temperature rise         80 K         Image: Note of the state of th	300			
cocked rotor time       36s (cold) 20s (hot)         Noise level <sup>2</sup> 56.0 dB(A)         Efficiency (%)       50%       90.2         75%       89.5       100%         100%       88.5       100%         Power Factor       50%       0.00         75%       0.80       100%         100%       88.5       100%         25%       0.00       100%         Power Factor       50%       0.70         75%       0.80       100%         100%       0.84       100%         Bearing type       :       6308 2RS       6207 2RS         Sealing       :       0 h       0 h         Lubrication interval       :       0 g       0 g         Lubricant amount       :       0 g       0 g         Lubricant type       :       Mobil Polyrex EM       Max. compression         Notes       Intervision 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.       Performed         Performed by	1.15			
Noise level <sup>2</sup> 56.0 dB(A)           Efficiency (%)         25%         0.000           50%         90.2         100%           75%         89.5         100%           100%         88.5         100%           Power Factor         50%         0.00           50%         0.00         50%           Power Factor         50%         0.70           75%         0.80         100%           Bearing type         :         6308 2RS         6207 2RS           Sealing         :         0 h         0 h           Lubrication interval         :         0 h         0 h           Lubricatin amount         :         0 g         0 g           Lubricant amount         :         0 g         0 g           Lubricant type         :         Mobil Polyrex EM         Max. compression           Notes	80 K			
Efficiency (%)         25%         0.000           50%         90.2         75%         89.5           100%         88.5         100%         88.5           Power Factor         50%         0.70         75%           50%         0.70         75%         0.80           100%         0.84         100%         0.84           Bearing type         :         6308 2RS         6207 2RS         Max. traction           Sealing         :         0 h         0 h         Nat. traction           Lubrication interval         :         0 g         0 g         Max. compression           Lubricant amount         :         0 g         0 g         Uppose         Mobil Polyrex EM           Notes         Mobil Polyrex EM         Mobil Polyrex EM         Max. compression         Max. traction           Notes         :         Mobil Polyrex EM         Max. traction         Max. traction           Max. traction         :         :         0 g         0 g         .           Notes         :         :         :         :         :         :           '1) Looking the motor from the shaft end.         :         :         :         :	27s (cold) 15s (hot)			
Efficiency (%)         50%         90.2         Image: constraint of the state of the	58.0 dB(A)			
Efficiency (%)         75%         89.5           100%         88.5           100%         88.5           Power Factor         25%         0.00           75%         0.80         75%           00%         0.84         75%           Bearing type         6308 2RS         6207 2RS           Sealing         0 h         0 h           Lubrication interval         0 h         0 h           Lubricant amount         0 g         0 g           Lubricant type         Mobil Polyrex EM         Max. compression           Notes         Mobil Polyrex EM         MG-1.           This revision replaces and cancel the previous one, which must be eliminated.         These are average variable power supply, subject 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.         MG-1.         MG-1.           (4) At 100% of full load.         Exerct Changes Summary         Performed           Performed by         Image: summary for the s	0.000 90.2			
100%       88.5       100%         Power Factor       25%       0.00         50%       0.70       100%         75%       0.80       100%         Bearing type       :       6308 2RS       6207 2RS         Sealing       :       0 ll Seal       Lip Seal         Lubrication interval       :       0 h       0 h         Lubricant amount       :       0 g       0 g         Lubricant amount       :       0 g       0 g         Lubricant type       :       Mobil Polyrex EM       Max. compression         Notes       Mobil Polyrex EM       MG-1.       MG-1.         Weasured 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.       Changes Summary       Performed         Performed by	91.0			
Power Factor       25%       0.00       Image: state sta	91.7			
Power Factor       50%       0.70	0.00			
Power Factor       75%       0.80         100%       0.84       Foundation loads         Bearing type       :       6308 2RS       6207 2RS         Sealing       :       0 il Seal       Lip Seal         Lubrication interval       :       0 h       0 h         Lubricant amount       :       0 g       0 g         Lubricant type       :       Mobil Polyrex EM       Max. compression         Notes       Mobil Polyrex EM       Most seare average varage var	0.62			
Image: 100%       0.84         Bearing type       :       6308 2RS       6207 2RS       Max. traction         Sealing       :       0 il Seal       Lip Seal       Max. compression         Lubrication interval       :       0 h       0 h       Max. compression         Lubricant amount       :       0 g       0 g       Max. compression         Lubricant amount       :       0 g       0 g       Max. compression         Notes       :       Mobil Polyrex EM       Max. traction         Notes       :       :       Mobil Polyrex EM         Notes       :       :       :       :         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.       :       :       :       :       :       :         Performed by       :       :       :       :       :       :	0.75			
Bearing type       :       6308 2RS       6207 2RS       Max. traction         Sealing       :       Oil Seal       Lip Seal       Max. compression         Lubrication interval       :       0 h       0 h       Max. compression         Lubricant amount       :       0 g       0 g       Max. traction         Notes       :       Mobil Polyrex EM       Max. traction         Notes       :       Mobil Polyrex EM       Max. traction         This revision replaces and cancel the previous one, which must be eliminated.       These are average variable power supply, subject         (1) Looking the motor from the shaft end.       :       MG-1.         (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 by       :       .       .	0.81			
Sealing       :       Oil Seal       Lip Seal       Max. compression         Lubrication interval       :       0 h       0 h       0 h         Lubricant amount       :       0 g       0 g       0 g         Lubricant type       :       Mobil Polyrex EM       Max. compression         Notes       .       .       .       .         This revision replaces and cancel the previous one, which must be eliminated.       These are average varpower supply, subject         (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 by       .       .       .       .       .       .       .				
Lubrication interval       :       0 h       0 h         Lubricant amount       :       0 g       0 g         Lubricant type       :       Mobil Polyrex EM         Notes         This revision replaces and cancel the previous one, which must be eliminated.       These are average vare power supply, subject (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         Performed by       Performed	: 618 lb			
Lubricant type       :       Mobil Polyrex EM         Notes       Notes         This revision replaces and cancel the previous one, which must be eliminated.       These are average varage va				
Notes         This revision replaces and cancel the previous one, which must be eliminated.       These are average varage va				
This revision replaces and cancel the previous one, which must be eliminated.       These are average varage				
must be eliminated.       power supply, subject         (1) Looking the motor from the shaft end.       MG-1.         (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         Performed by       Performed	lues based on tests with sinusoidal			
Performed by	to the tolerances stipulated in NEMA			
-	d Checked Date			
Checked by	Page Revision			
Date 12/04/2022				

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## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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Customer

ID	Application	Туре	Quantity	Sensing	<b>Femperature</b>
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C
1	winding	Thermostat - 2 wires	I X Flidse	R	55 C
				r	
Rev.	Chanç	ges Summary	Performed	Checked	Date
erformed by					

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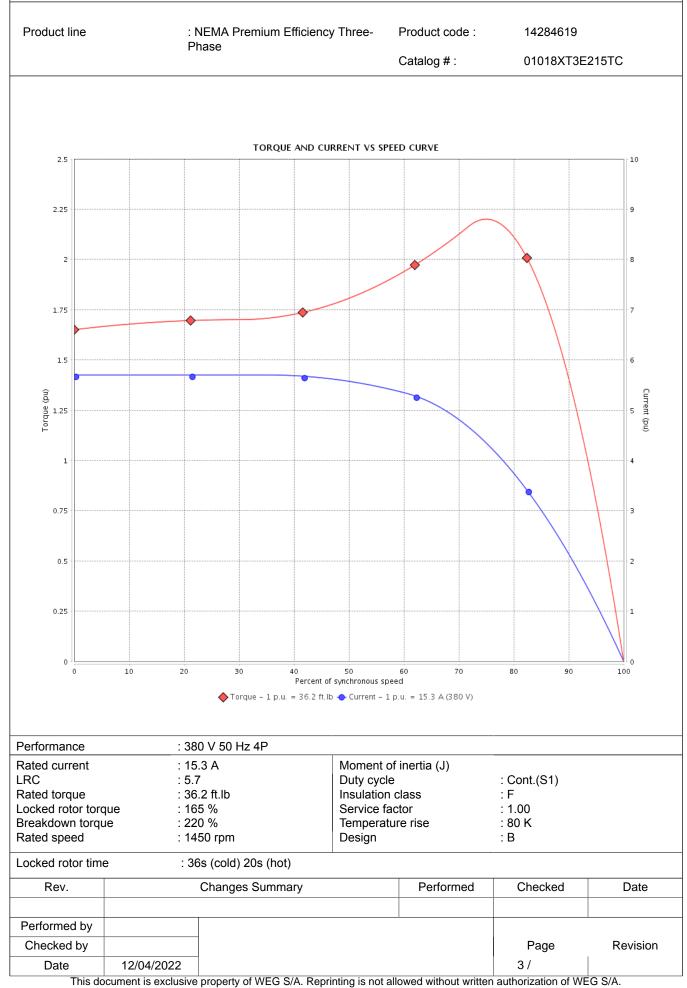
## TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

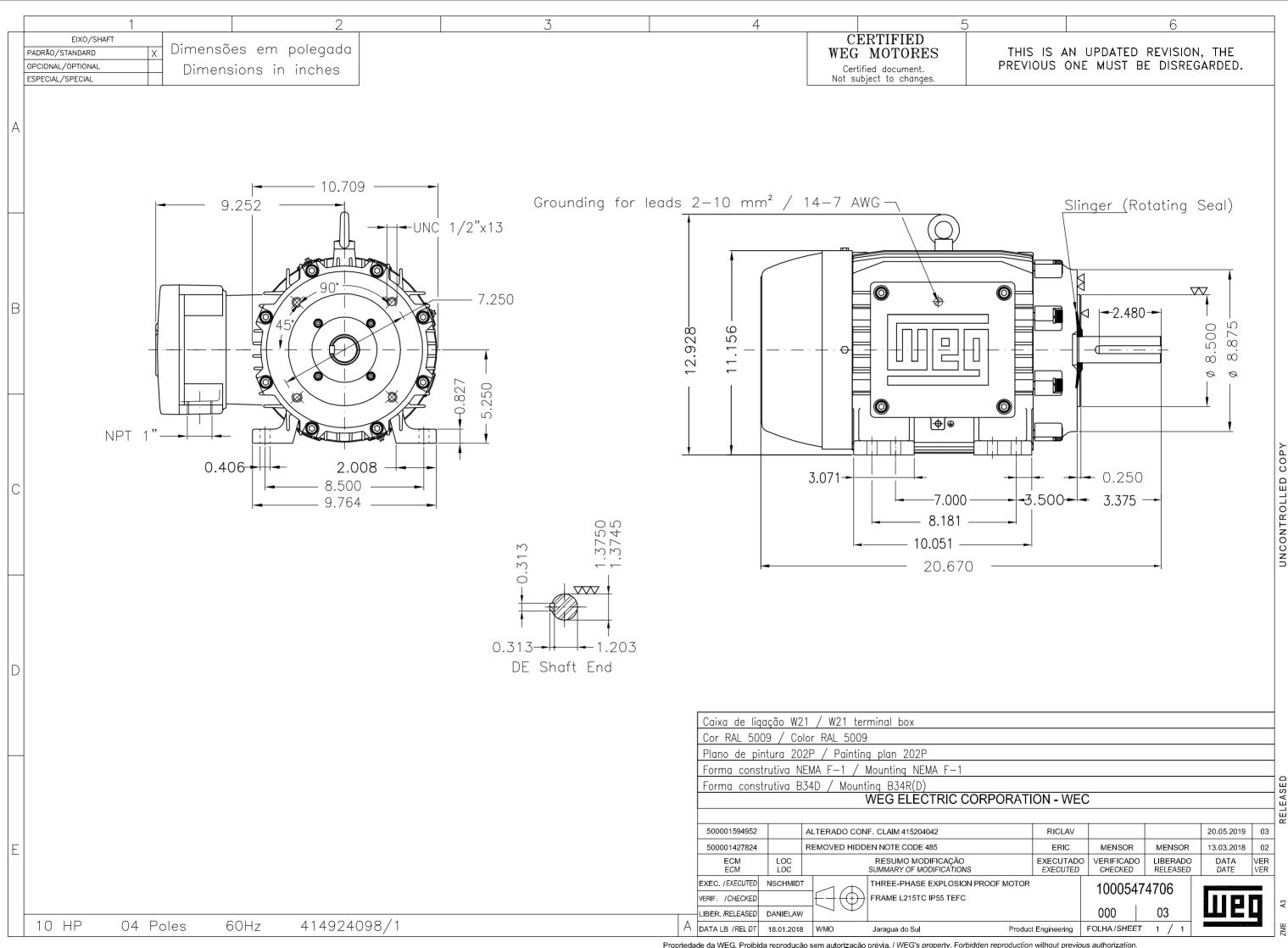
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	RICLAV			20.05.2019	03
	ERIC	MENSOR	MENSOR	13.03.2018	02
O DNS	EXECUTADO EXECUTED	VERIFICADO CHECKED	LIBERADO RELEASED	DATA DATE	VER VER
ION PROOF MOTOR		100054			
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Product Engineering		FOLHA/SHEET	「 1 <b>/</b> 1		

