# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Frame      ::254TC      Cooling method      ::IC411 - TEFC        Insulation class      ::F      Plant      Rotation      ::F        Ambient temperature      ::20°C to +40°C      Mounting      ::F      :Direct On Line        Anticude      ::1000 m.a.s.l.      Portection degree      ::Direct On Line      Portection degree      ::Direct On Line        Protection degree      ::IP55      15      15      15      15        Stated voltage (M      230/460      380      400      4      4        *requency (Hz)      :60      50      50      50      30        Stated voltage (M      :230/460      380      400      415      15        RC (A)      :73(Code J)      :58/(Code G)      :64/(Code G)      64/(Code G)      64/(Code G)        Reside voltage (RFM)      :1770      :1455      :460      1446      145        RC (A)      :7.48      :7.48      :7.48      :7.43      :26/(Code G)      67.0 dB(A)        Stated voltage (RFM)      :1770      :1455      :160      :160      :160      :160      :26/(Cod	Product line		: W21 Explosion Proo Premium Efficiency Tl		Produ	ict code :	144068	80	
Onles      4 <td colspan="2">Insulation class Duty cycle Ambient temperature Altitude Protection degree</td> <td colspan="2">: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55</td> <td colspan="2">Mounting Rotation<sup>1</sup> Starting method Approx. weight<sup>3</sup></td> <td colspan="2">: F-1 : Both (CW and CCW) : Direct On Line : 151 kg</td> <td>)</td>	Insulation class Duty cycle Ambient temperature Altitude Protection degree		: F : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55		Mounting Rotation <sup>1</sup> Starting method Approx. weight <sup>3</sup>		: F-1 : Both (CW and CCW) : Direct On Line : 151 kg		)
Onles      4 <td>Output [HP]</td> <td></td> <td>15</td> <td>15</td> <td>5</td> <td>1</td> <td>5</td> <td>15</td> <td></td>	Output [HP]		15	15	5	1	5	15	
Frequency [Hz]      60      50      50      50        Rated vortage [V]      230/460      380      400      415        Rated current [A]      36.8/18.4      22.1      21.3      20.8       R. Amperes [A]      289/134      128      136      141        No load current [A]      17.3k(Code J)      5.8k(Code G)      6.4k(Code G)      6.8k(Code G)        Sated speed [RPM]      1.67      3.00      2.67      2.33        Sated speed [RPM]      1.67      3.00      2.67      2.33        Sated speed [RPM]      1.67      3.00      2.26      250      2.70        Service factor      1.15      1.00      1.00      1.00        Service factor      1.15      1.00      1.00      1.00        Service factor      1.15      1.00      1.00      1.00        Cocket rotor time      466 (cold) 26 (hot)      456 (cold) 25 (hot)      450 (cold) 25 (									
alied voltage (V)      230/400      380      400      415        Sated current [A)      36 8/18.4      22.1      21.3      20.8        R. Amperes [A]      269/134      128      136      141        RC [A]      7.3X(Code J)      5.8X(Code G)      6.4X(Code									
Rated ourrent [Å]      36.8/18.4      22.1      21.3      20.8       R. Amperes [Å]      269/13.4      128      136      141        R.C [Å]      7.3x(Code J)      5.8x(Code G)      6.4x(Code G)      6.8x(Code H)        Valed speed [PPM]      17.70      1455      1460      1465        Stated speed [PPM]      1.77      1455      1460      1465        Stated speed [PPM]      1.67      3.00      2.67      2.33        Stated torque [%]      300      220      250      270        Stated torque [%]      300      229      250      270        Stated torque [%]      300      229      250      270        Strice factor      1.15      1.00      1.00      1.00      1.00        Cocked rotor torque [%]      300      229      250      270      Strice factor      80 K									
R. Amperes [A]      269/134      128      136      141       RC [A]      7.3x(Code J)      5.8x(Code G)      6.4x(Code G)      6.8x(Code H)        No load current [A]      17.2/8.60      8.40      9.20      9.60        3ted speed [RPM]      17.70      1455      1460      1465        3ted forque [kgfm]      6.15      7.48      7.46      7.43        ocket rotor torque [%]      300      220      250      270        3ted torque [kgfm]      6.15      7.48      7.46      7.43        ocket rotor torque [%]      300      229      250      270        3text forque [%]      300      229      250      270        3text factor      1.15      1.00      1.00      100      1.00        isolac current ise      80.0 K      80.K      80.K      80.K      80.K      <									
RC [A]      7.3x(Code J)      5.8x(Code G)      6.4x(Code G)      6.4x(Code G)      6.8x(Code H)        No load current [A]      17.2/8.60      8.40      9.20      9.60        Sated speed [RPM]      1.1770      1445      14460      1465        Sated speed [RPM]      1.67      3.00      2.67      2.33        Sated torque [Kgf]      6.15      7.48      7.46      7.43        Sceke for lor torque [%]      300      229      250      270        Sreakdown torque [%]      300      229      250      270        Sreakdown torque [%]      300      229      250      270        Srevice factor      1.15      1.00      1.00      1.00        Ifficiency (%)      25%      90.2      91.0      91.7      91.7        Stell (b) Seal (b) Seal (b)      90.2      91.0      91.0      91.0      91.0        Power Factor      50%      0.65      0.71      0.68      0.64        Stell (b) Seal (b)      0.81      0.82      0.81      0.82      0.81        Ubrication interval									
No load current [A]      17.2/8.60      8.40      9.20      9.60        Rated speed [RPM]      1770      1455      1460      1465        Rated speed [RPM]      1.67      3.00      2.67      2.33        Stated torque [KgIm]      6.15      7.48      7.46      7.43        Cocked rotor torque [%]      300      220      250      270        Breakdown torque [%]      300      229      250      270        Service factor      1.15      1.00      1.00      1.00        Gemperature rise      80 K      80 K      80 K      80 K      60 K      60 K      60 K      67.0 dB(A)									
Bated speed [RPM]      1770      1455      1460      1465        Slip [%]      1.67      3.00      2.67      2.33        Slip [%]      6.15      7.48      7.46      7.43        .cocked rotor torque [%]      300      220      250      270        Service factor      1.15      1.00      1.00      1.00        fernperature rise      80 K      80 K      80 K      80 K      80 K        cocked rotor time      46s (cold) 25s (hot)      45s (cold) 25s (hot)      45s (cold) 25s (hot)      45s (cold) 25s (hot)        cocked rotor time      46s (cold) 25s (hot)      45s (cold) 25s (hot)      45s (cold) 25s (hot)      45s (cold) 25s (hot)        cocked rotor time      45s (cold) 25s (hot)      45s (cold) 25s (hot)      91.0      91.0      91.0      91.0        Efficiency (%)      75%      9.7      91.7      91.7      91.7      91.7        Power Factor      50%      0.65      0.71      0.68      0.64        Lubrication interval      2000 h 2000 h      0.84      0.82      0.81        Lubrication interval      2000 h									,
Silp [%]      1.67      3.00      2.67      2.33        Rated torque [kg]      6.15      7.48      7.46      7.43        Cocked rotor torque [%]      300      220      250      270        3reakdown torque [%]      300      229      250      270        3reakdown torque [%]      300      229      250      270        3reakdown torque [%]      300      229      250      270        Service factor      1.15      1.00      1.00      1.00      1.00        femperature rise      80 K      80 K      80 K      80 K      80 K      60 dK      67.0 dB(A)      67.0 dB(A) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Bated forque [kg/m]      6.15      7.48      7.46      7.43        cocked rotor torque [%]      300      220      250      270        cocked rotor torque [%]      300      229      250      270        Service factor      1.15      1.00      1.00      1.00        femperature rise      80 K      80 K      80 K      80 K      80 K        cocked rotor time      46s (cold) 26s (hot)      45s (cold) 25s (hot)		•							
cocked rotor torque [%]      300      220      250      270        3reakdown torque [%]      300      229      250      270        3reakdown torque [%]      300      229      250      270        Service factor      1.15      1.00      1.00      1.00      1.00        femperature rise      80 K      80 K      80 K      80 K      80 K      80 K        cocked rotor time      46s (cold) 26s (hot)      45s (cold) 25s (hot)		n]							
Breakdown torque [%]      300      229      250      270        Service factor      1.15      1.00      1.00      1.00      1.00        Bervice factor      1.15      1.00      1.00      1.00      1.00        Cerked rotor time      46s (cold) 26s (hot)      45s (cold) 25s (hot)      45s (									
Service factor      1.15      1.00      1.00      1.00      1.00        Iernperature rise      80 K      8									
This revision replaces and cancel the previous one, which ubricat mount      Notes      State and cancel the previous one, which ubricat mount      These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEM (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.      These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEM (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.      These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEM (4) At 100% of full load.									
Locked rotor time      46s (cold) 26s (hot)      45s (cold) 25s (hot)      45s (cold) 2									
Noise level*      69.0 dB(A)      67.0	•			45s (cold)	25s (hot)	45s (cold)	25s (hot)		s (hot
25%      90.2      91.0      91.0      91.0      91.0        75%      91.7      91.7      91.7      91.0      91.0      91.0        100%      92.4      90.2      91.0      91.0      91.0        Power Factor      50%      0.65      0.71      0.68      0.64        75%      0.75      0.79      0.77      0.75        100%      0.81      0.84      0.82      0.81        Bearing type      :      6309 C3      6209 C3      Max. traction      : 240 kgf        Lubrication interval      :      20000 h      20000 h      Max. traction      : 391 kgf        Lubrication interval      :      20000 h      20000 h      0.81      Max. traction      : 391 kgf        Notes      USABLE @208V 40.7A SF 1.15 SFA 46.8A      Foundation loads      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      Changes Summary      Performed      Checked      Date        Performed by	Noise level <sup>2</sup>								
Efficiency (%)      75%      91.7      91.7      91.7      91.7      91.0        100%      92.4      90.2      91.0      91.0      91.0        Power Factor      25%	Efficiency (%)								-
100%      91.7      91.7      91.7      91.7      91.7      91.7      91.7      91.0        100%      92.4      90.2      91.0      91.0      91.0      91.0        Power Factor      50%      0.65      0.71      0.68      0.64        50%      0.75      0.79      0.77      0.75        100%      0.81      0.84      0.82      0.81        Bearing type      :      6309.03      6209.03      Max. traction      : 240 kgf        Sealing      :      Oil Seal      Lip Seal      Max. compression      : 391 kgf        Lubrication interval      :      20000 h      20000 h      Max. compression      : 391 kgf        Notes      USABLE @208V 40.7A SF 1.15 SFA 46.8A      SFA 46.8A      MG-1.      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.      Ioa      Performed      Checked      Date				91.	0			91.0	
Power Factor    25%    0.65    0.71    0.68    0.64      75%    0.75    0.79    0.77    0.75      100%    0.81    0.84    0.82    0.81      Bearing type    :    6309 C3    6209 C3    Max. traction    : 240 kgf      Sealing    :    Oil Seal    Lip Seal    Max. compression    : 391 kgf      Lubrication interval    :    2000 h    20000 h    20000 h    .    .      Notes    USABLE @208V 40.7A SF 1.15 SFA 46.8A    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 NEM 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 by      Rev.    Changes Summary    Performed    Checked    Date      Page    Revisior    Page    Revisior									
Power Factor      50%      0.65      0.71      0.68      0.64        75%      0.75      0.79      0.77      0.75      0.75        100%      0.81      0.84      0.82      0.81        Bearing type      :      6309 C3      6209 C3      Foundation loads      Max. traction      : 240 kgf        Bearing type      :      Oil Seal      Lip Seal      Lip Seal      Max. compression      : 391 kgf        Lubricant amount      :      13 g      9 g      g      Lubricant smouth      : 313 g      9 g        Lubricant type      :      Mobil Polyrex EM      Max. compression      : 391 kgf        Notes      USABLE @208V 40.7A SF 1.15 SFA 46.8A      These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEM MG-1.        (1) Looking the motor from the shaft end.      (2) Measured at 1m and with tolerance of +3dB(A).      Gaster      MG-1.        (3) Approximate weight subject to changes after manufacturing process.      (4) At 100% of full load.      Performed      Checked by        Performed by			92.4	90.	2	91	.0	91.0	
Power Factor    75%    0.75    0.79    0.77    0.75      100%    0.81    0.84    0.82    0.81      Bearing type    :    6309 C3    6209 C3    Max. traction    : 240 kgf      Sealing    :    01l Seal    Lip Seal    Max. traction    : 240 kgf      Lubrication interval    :    20000 h    20000 h    Max. compression    : 391 kgf      Lubricant amount    :    13 g    9 g    Max. compression    : 391 kgf      Notes    :    Mobil Polyrex EM    Max. compression    : 391 kgf      Notes    :    WSABLE @208V 40.7A SF 1.15 SFA 46.8A    Foundation loads      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 NEM MG-1.      (2) Measured at 1m and with tolerance of +3dB(A).    :    MG-1.      (3) Approximate weight subject to changes after manufacturing process.    Max    Evence    Date      Performed by									
75%  0.75  0.79  0.77  0.75    100%  0.81  0.84  0.82  0.81    Bearing type  :  6309 C3  6209 C3  Max. traction  : 240 kgf    Sealing  :  Oil Seal  Lip Seal  Max. traction  : 240 kgf    Lubrication interval  :  20000 h  20000 h  Max. compression  : 391 kgf    Lubricant mount  :  13 g  9 g  Max. traction  : 391 kgf    Notes  USABLE @208V 40.7A SF 1.15 SFA 46.8A  These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEM MG-1.    (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.  Changes Summary  Performed  Checked  Date    Performed by	Power Factor								
Drive end Bearing type    Non drive end 6309 C3    Foundation loads      Sealing    Oil Seal    Lip Seal      Lubrication interval    20000 h    20000 h      Lubricant amount    13 g    9 g      Lubricant type    Mobil Polyrex EM    Max. compression      Notes    USABLE @208V 40.7A SF 1.15 SFA 46.8A      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 NEM MG-1.      (2) Measured at 1m and with tolerance of +3dB(A).    MG-1.      (3) Approximate weight subject to changes after manufacturing process.    Max.      (4) At 100% of ful load.    Performed    Checked      Performed by    Page    Revision									
Bearing type    :    6309 C3    6209 C3    Max. traction    : 240 kgf      Sealing    :    Oil Seal    Lip Seal    Max. compression    : 391 kgf      Lubrication interval    :    20000 h    20000 h    Max. compression    : 391 kgf      Lubricant amount    :    13 g    9 g    Max. compression    : 391 kgf      Lubricant type    :    Mobil Polyrex EM    Max. compression    : 391 kgf      Notes    USABLE @208V 40.7A SF 1.15 SFA 46.8A         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 NEM (1) Looking the motor from the shaft end.    MG-1.      (2) Measured at 1m and with tolerance of +3dB(A).    (3) Approximate weight subject to changes after manufacturing process.    (4) At 100% of full load.    MG-1.      Rev.    Changes Summary    Performed    Checked    Date      Performed by		100%				1	32	0.81	
Notes    USABLE @208V 40.7A SF 1.15 SFA 46.8A      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 NEM (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	Sealing Lubrication interval Lubricant amount		: 6309 C3 62 : Oil Seal Lip : 20000 h 20 : 13 g	09 C3   Max o Seal   Max 000 h 9 g	Max. traction : 240 kgf				
must be eliminated.    power supply, subject to the tolerances stipulated in NEM      (1) Looking the motor from the shaft end.    mover supply, subject to the tolerances stipulated in NEM      (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		40.7A SF 1.7	15 SFA 46.8A						
Performed by  Performed by  Page  Revision	must be eliminate (1) Looking the m (2) Measured at 1 (3) Approximate v manufacturing pro (4) At 100% of ful	d. otor from the m and with to veight subjec ocess.	shaft end. blerance of +3dB(A). t to changes after	pov MG	ver supply,				
Checked by Page Revision	Rev.		Changes Summary	,	Pe	erformed	Checked	I Dat	e
					I				
Date 29/10/2024 1 / 6	Checked by						Page	Revis	sion
	Date	29/10/2024	1				1/6		

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

### DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

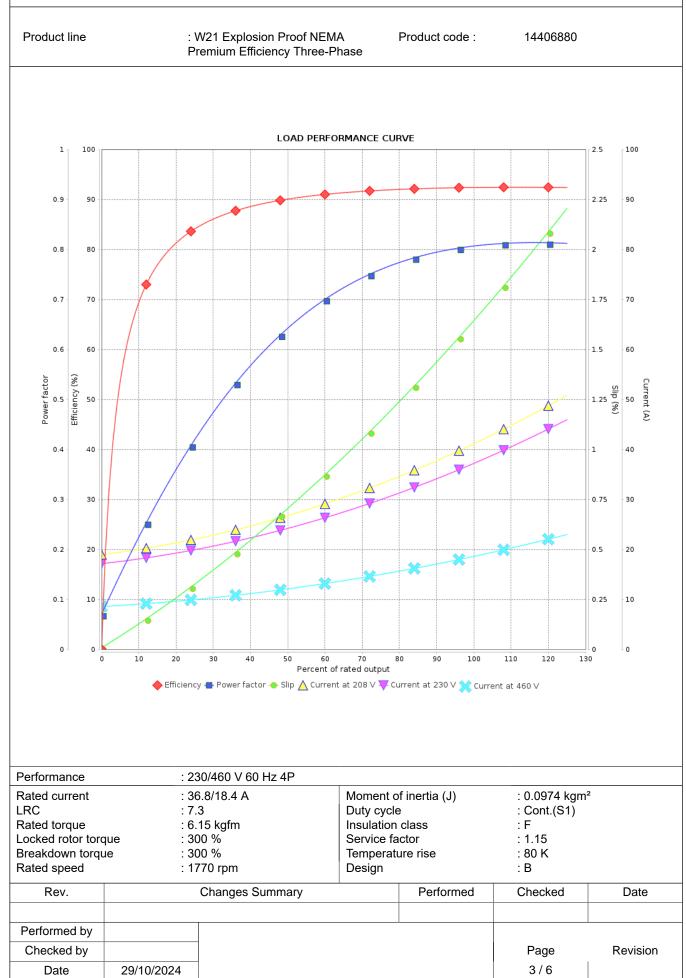
<b>_</b>	A	Thermal protection		<b>.</b> .	<b>-</b>
D	Application	Туре	Quantity		Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	1	55 °C
Devi	01	- Summon /	Douto marca a	Cheeler-	Data
Rev.	Change	s Summary	Performed	Checked	Date
formed by					
necked by				Page	Revision
Date	29/10/2024			2/6	
		of WEG S/A. Reprinting is not allo			



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.

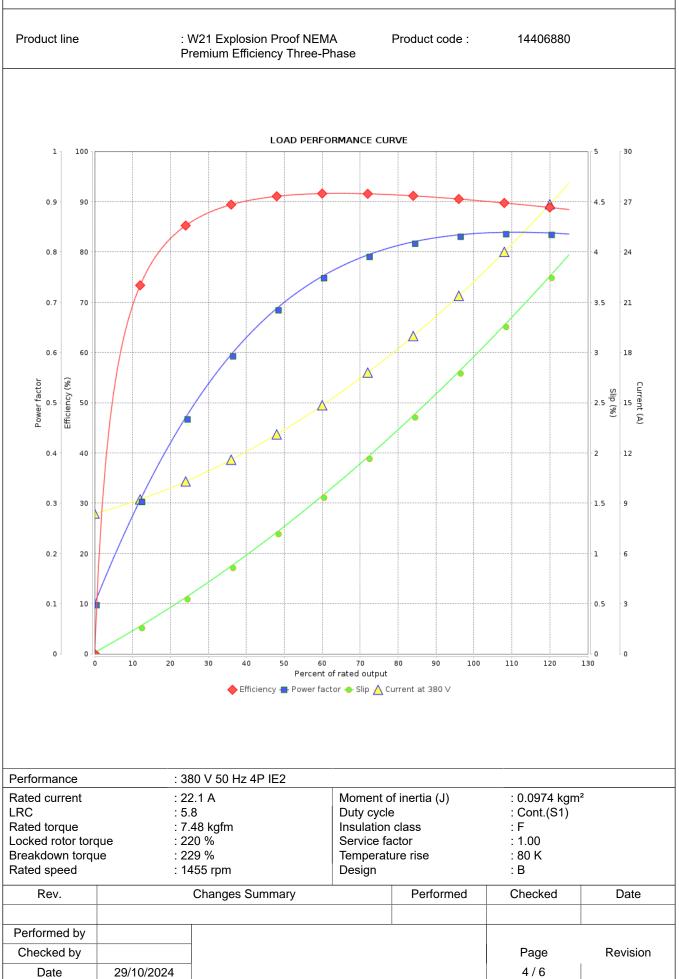
Subject to change without notice

Three Phase Induction Motor - Squirrel Cage

:



Customer



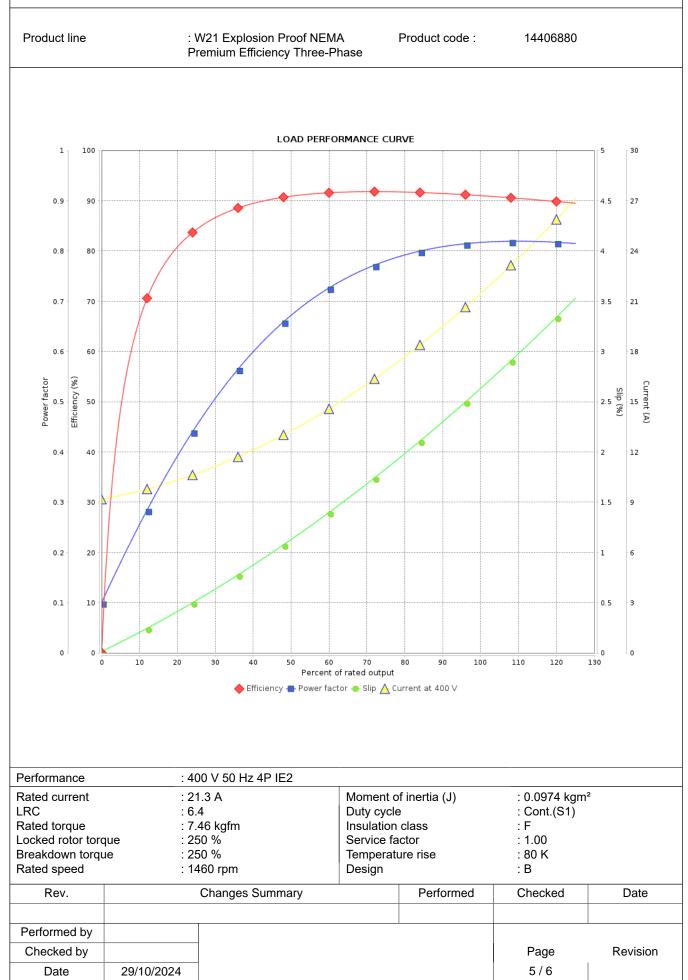
This document is exclusive property of WEG S/A. Reprinting is not allowed without written authorization of WEG S/A.

Subject to change without notice

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.

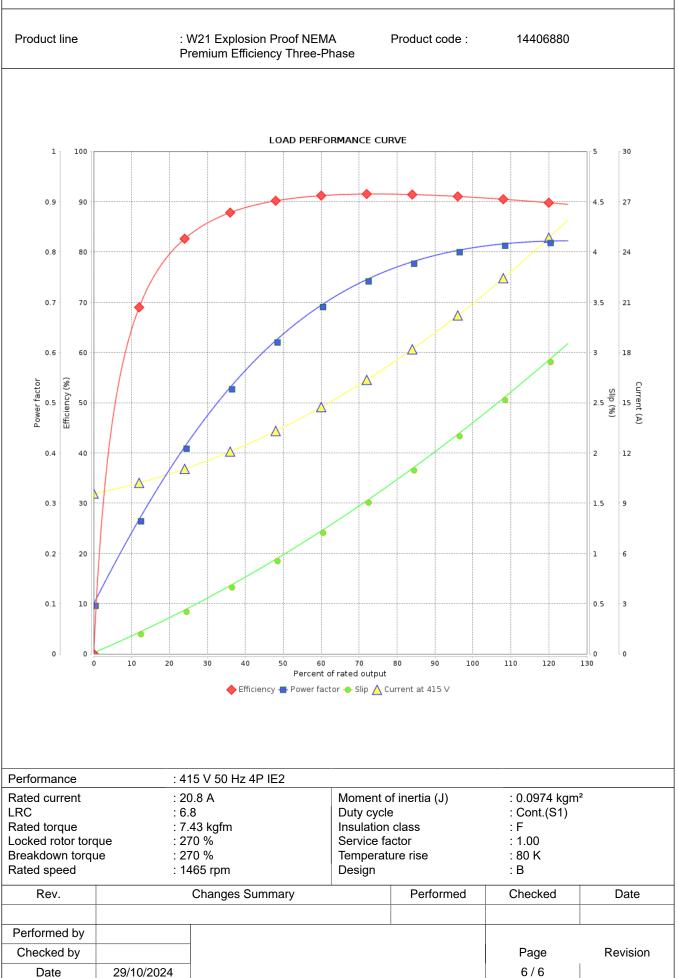
Subject to change without notice

Three Phase Induction Motor - Squirrel Cage

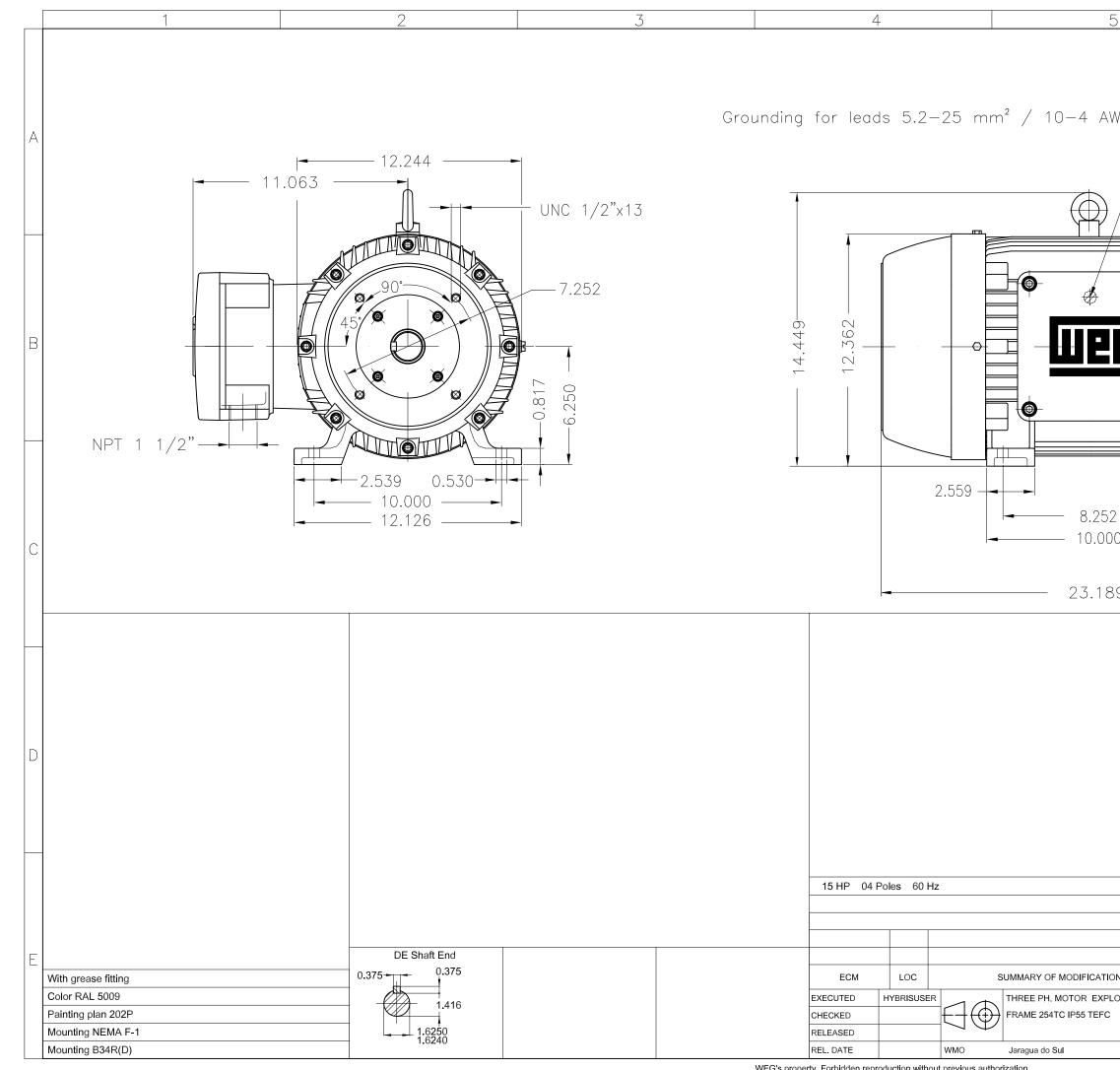
:



Customer



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



WEG's property. Forbidden reproduction without previous authorization.

)	6	
	5 Slinger (Rotating Seal)	
	A	Dimensions in inches
	^ ^	
		-
HYBRISI		
NS EXECU		2
OSION PROOF NEMA PREI		
		E A3
Product Engineeri	ng SHEET 1 / 1	XME