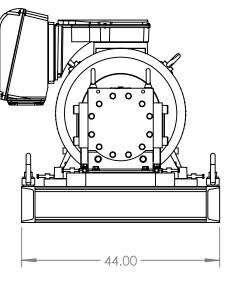


STATE	Released	07/19/2023	DIMENSIONS ARE IN MIKING	VIKING PUMP, INC.	THIS DRAWING IS THE PROPERTY OF VIKING PUMP, INC. AND IS PROPRIETARY		DWG. NO.
DRAWN	bmanternach	2/22/2023	PROJECT: E324	Cedar Falls, IA 50613	IN GENERAL AND DETAIL. IT SHALL NOT BE COPIED OR ITS CONTENTS REVEALED TO	_5L)	GPV-2507
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# DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

#### Customer

Efficiency (%)    95.2    95.4    96.1    96.2      Power Factor    0.38    0.63    0.74    0.79      Max. compression    : 17855 lb      Max. compression    : 17855 lb      Bearing type    :    6322 C3      Sealing    :    Taconite Labyrinth      Lubrication interval    :    11000 h      Lubricant mount    :    60 g      Lubricant type    :    Mobil Polyrex EM      Notes    Motif Polyrex EM	Product line		: W22 NEMA Premium Efficie Three-Phase			ency Product code : Catalog # :		12011329 60012ET3G	12011329 60012ET3G588/9-W22	
Output    25%    50%    75%    100%    Foundation loads      Efficiency (%)    95.2    95.4    96.1    96.2    Max. traction    : 12026 lb      Power Factor    0.38    0.63    0.74    0.79    Max. compression    :: 17855 lb      Bearing type    :    6322 C3    6319 C3    Sealing    :: 18000 h    13000 h      Lubrication interval    :    11000 h    13000 h    13000 h      Lubrication interval    :    1000 h    13000 h      Lubrication interval    :    Mobil Polyrex EM      Notes    Mobil Polyrex EM      This revision replaces and cancel the previous one, which must be eliminated.    Moking the motor from the shaft end.      (2) Measured at 1m and with tolerance of +3dB(A).    Approximate weight subject to changes after manufacturing process.      (4) At 100% of full load.    Rev.    Changes Summary    Performed    Checked    Date	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torq Insulation class Service factor	que ue	: 600 : 6 : 60 F : 460 : 727 : 458 : 6.3 : 330 : 119 : 0.83 : 261 : 220 : 229 : F : 1.00	HP (440 k Hz V A 0 A (Code G) A 0 rpm 3 % 0 ft.lb % %		Locked rot Temperatu Duty cycle Ambient te Altitude Protection Cooling me Mounting Rotation <sup>1</sup> Noise leve Starting me	err time are rise emperature degree ethod l <sup>2</sup> ethod	: 55s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a : IP55 : IC411 - TI : F-1 : Both (CW : 77.0 dB(A : Direct On	) 31s (hot) +40°C .s.l. EFC and CCW)	
Efficiency (%)    95.2    95.4    96.1    96.2    Max. traction    :: 12026 lb      Power Factor    0.38    0.63    0.74    0.79    Max. compression    :: 17855 lb      Bearing type    ::    6322 C3    6319 C3    Sealing    ::    1000 h    13000 h      Lubrication interval    ::    11000 h    13000 h    13000 h      Lubrication interval    ::    11000 h    13000 h      Lubrication interval    ::    Mobil Polyrex EM      Notes    Mobil Polyrex EM      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.      (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				-	100%	Foundation	aada			
Power Factor    0.38    0.63    0.74    0.79    Max. compression    : 17855 lb      Bearing type    :    6322 C3    6319 C3    5319 C3      Sealing    :    12000 h    13000 h    13000 h      Lubricant mount    :    60 g    45 g    45 g      Lubricant type    :    Mobil Polyrex EM    Notes    Notes      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.      (2) Measured at 1m and with tolerances of +3dB(A).    (3) Approximate weight subject to changes after manufacturing process.    (4) At 10% of full load.      Rev.    Changes Summary    Performed    Checked    Date      Performed by						-		: 12026 lb		
Bearing type    :    6322 C3    6319 C3      Sealing    :    Taconite Labyrinth    Taconite Labyrinth      Lubrication interval    :    11000 h    13000 h      Lubrication interval    :    60 g    45 g      Notes    Mobil Polyrex EM    Notes      Notes    Mobil Polyrex EM    Notes      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).    (3) Approximate weight subject to changes after manufacturing process.      (4) At 100% of full load.    Performed    Changes Summary    Performed    Checked    Date										
must be eliminated.    power supply, subject to the tolerances stipulated in NEM      (1) Looking the motor from the shaft end.    power 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    MG-1.      manufacturing process.    Performed      (4) At 100% of full load.    Performed      Performed by    Performed by	Lubrication inter		:							
Performed by	Lubricant type	nt	:		60 g	bbil Polyrex EN	45 g			
	Lubricant type Notes This revision rep must be eliminat (1) Looking the r (2) Measured at (3) Approximate manufacturing p	laces and ed. notor from 1m and wir weight sub rocess.	the shaft e th toleranc	previous o end. e of +3dB(	60 g Mo	These are a power supp	45 g 1			
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	Lubricant type Notes This revision rep must be eliminat (1) Looking the r (2) Measured at (3) Approximate manufacturing pr (4) At 100% of fu Rev.	laces and ed. notor from 1m and wir weight sub rocess.	the shaft e th toleranc ject to cha	previous o end. e of +3dB( anges after	60 g Mo Done, which (A).	These are a power supp	45 g 1 Iverage values ly, subject to th	e tolerances stipu	lated in NEMA	

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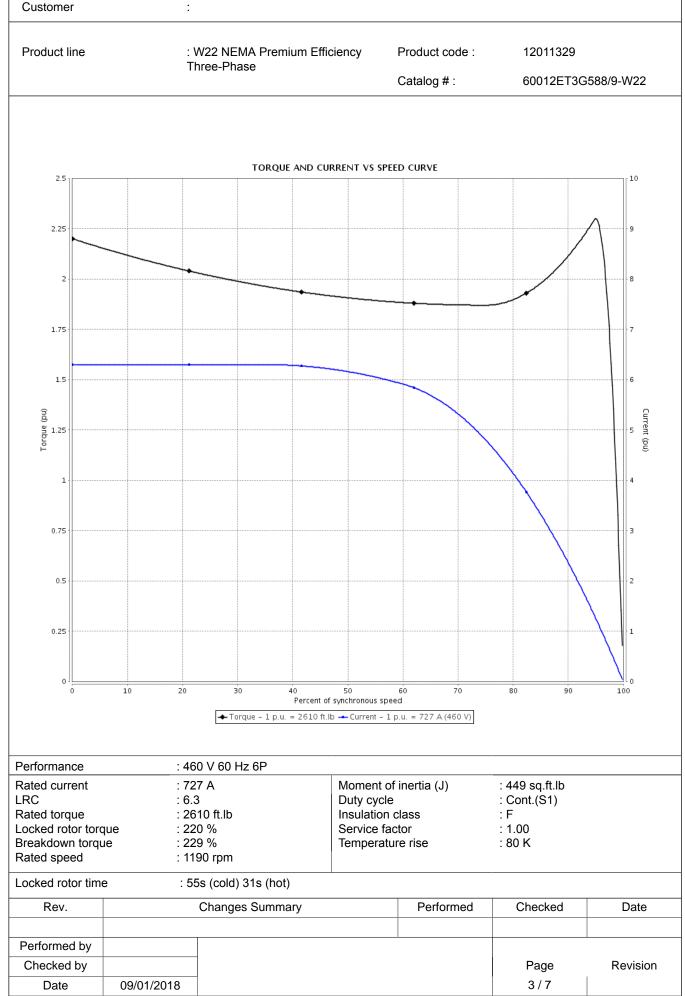
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### TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

### Customer



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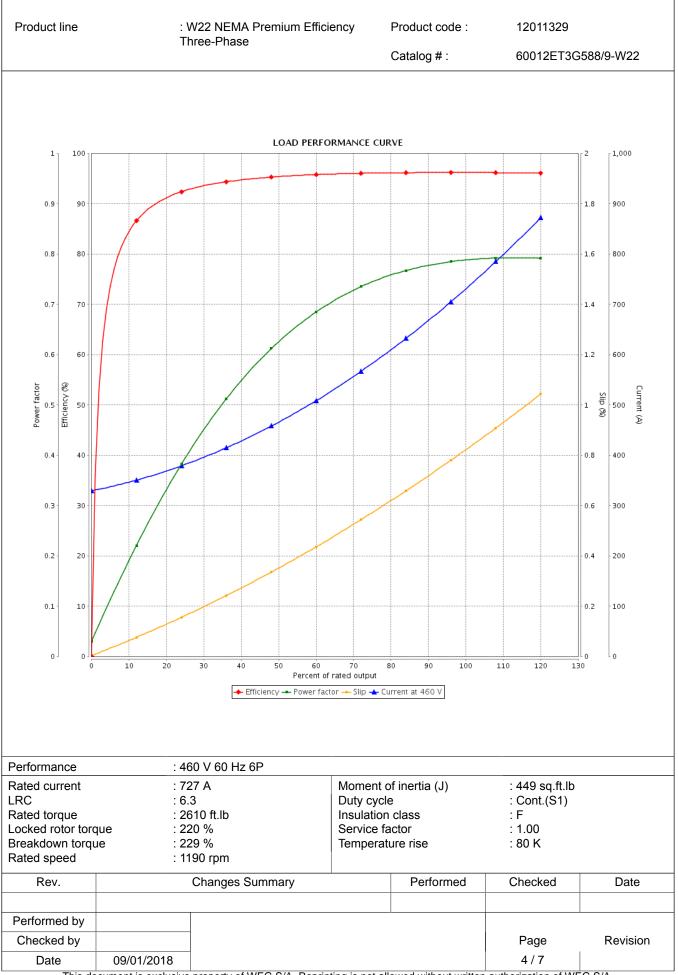
## LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

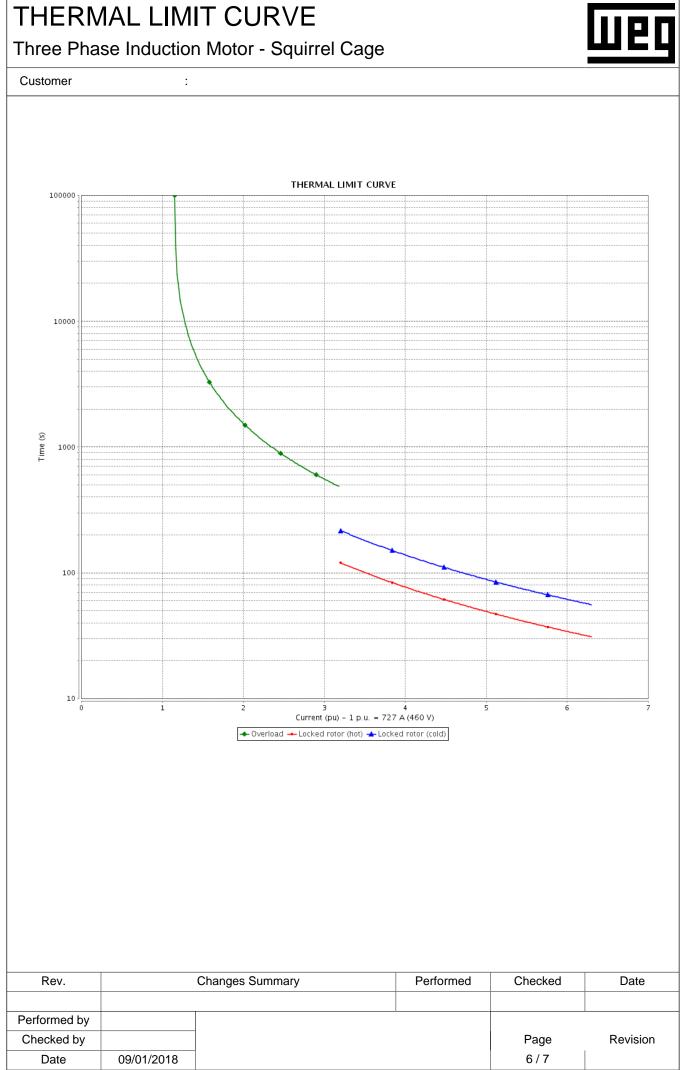
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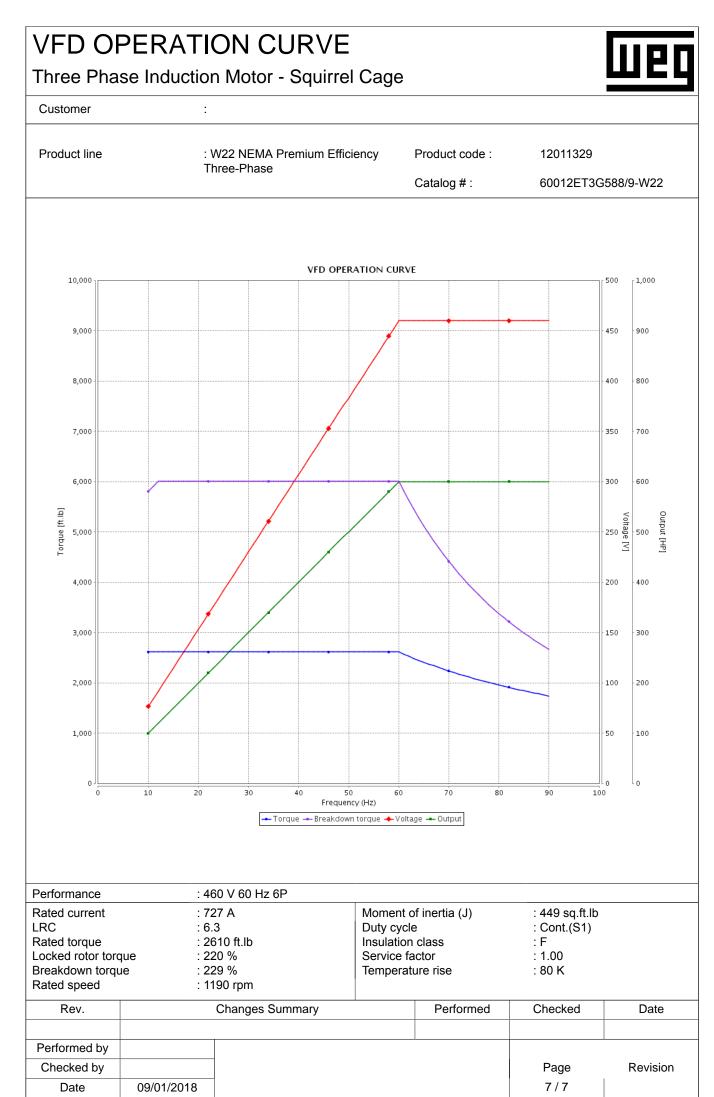
Customer



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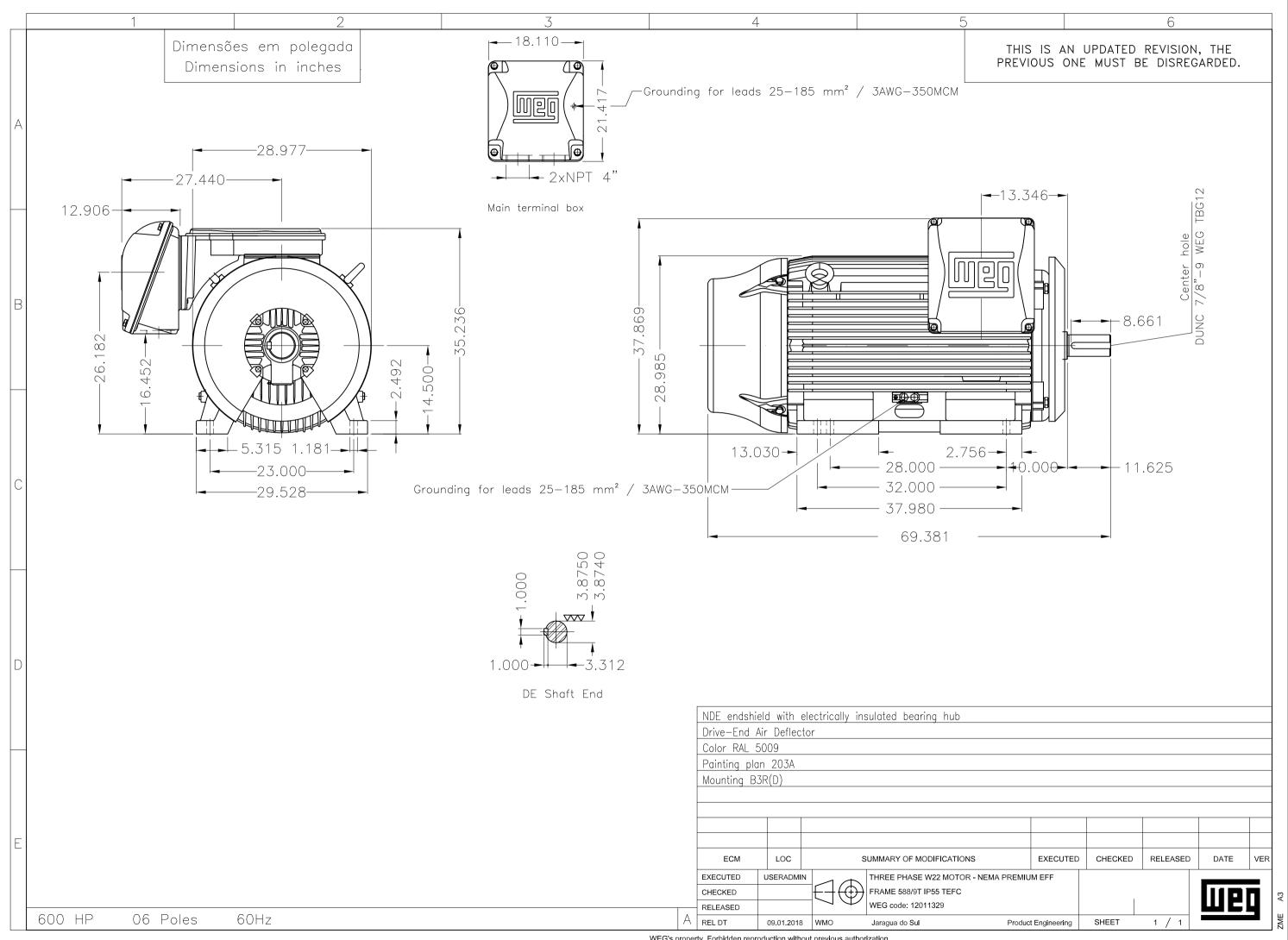


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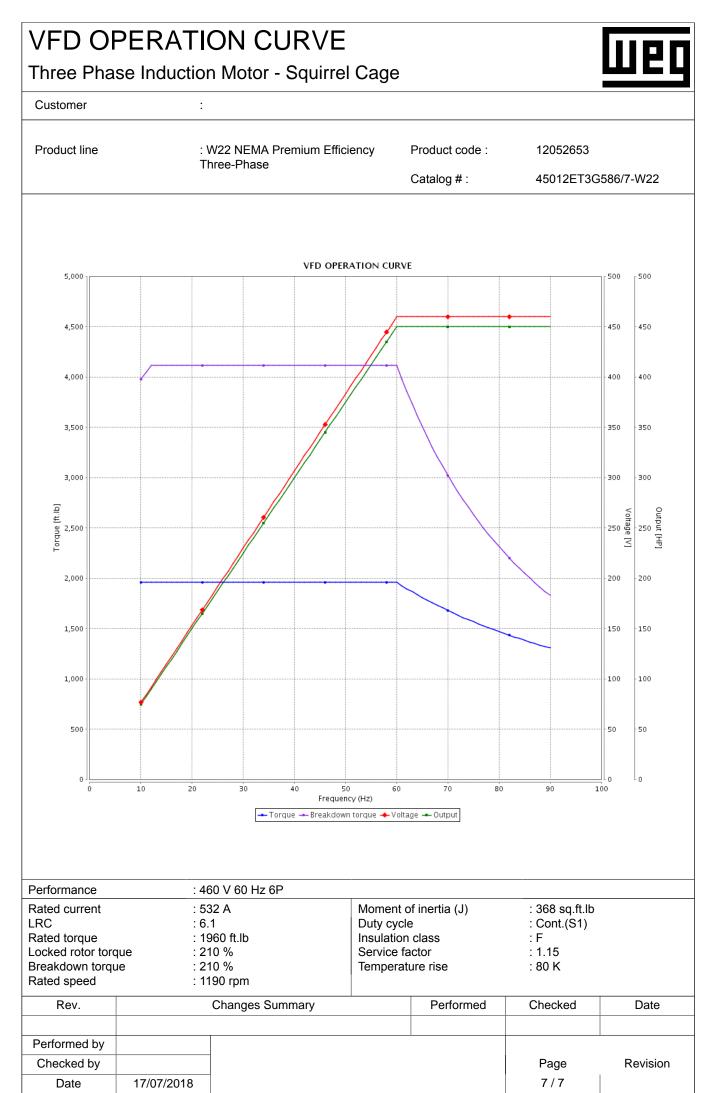


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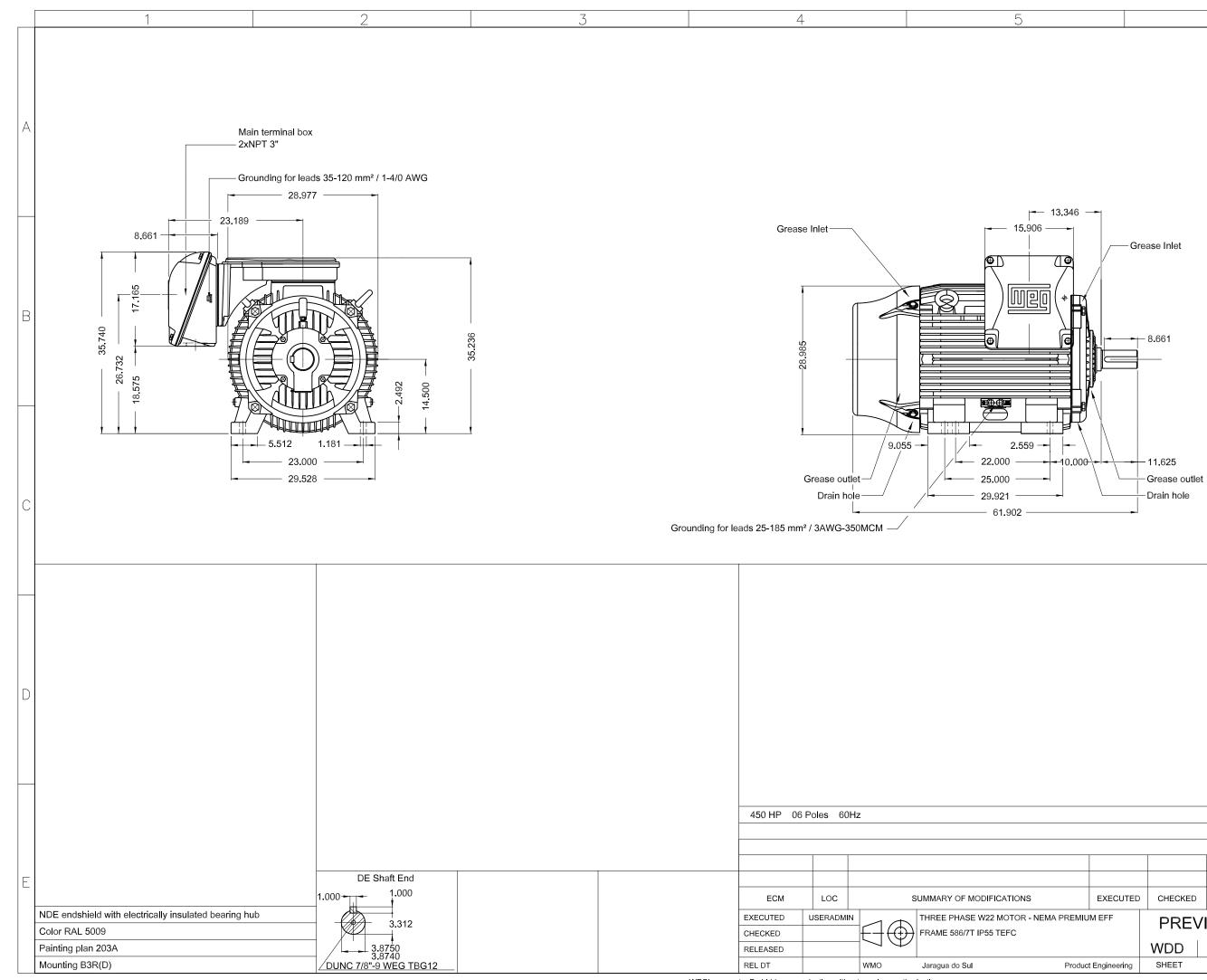


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