DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

Efficiency (%)0.00095.096.296.296.2Max. traction: 8140 lbPower Factor0.000.640.740.79Max. compression: 12523 lbBearing type:NU-324 C36319 C3Sealing:Taconite LabyrinthTaconite LabyrinthLubricant amount:72 g45 gLubricant type:Mobil Polyrex EM			Phas		m Efficiency		luct code :	13500702 45012ET30	
Output: 450 HP (330 kW)Temperature rise: 80 KPoles: 6Duty cycle: Cont.(S1)Armberey: 60 HzArmberent temperature: -20° C to $+40^{\circ}$ CRated voltage: 460 VArmberent temperature: -20° C to $+40^{\circ}$ CRated current: 532 AProtection degree: IP55L. R. Amperes: 3564 ACooling method: IC411 - TEFCLRC: $6.7x$ (Code H)Noiad current: 260 ARotation1: Both (CW and CCW)Nated speed: 1193 rpmNoise level²: 77.0 dB(A)Starting method: Direct On LineRated torque: 1980 ft.lbApprox. weight³: 4384 lbLocked rotor torque: 240 %Foundation loadsBreakdown torque: 250 %100%Foundation loadsInsulation class: FMax. traction: 8140 lbPower Factor0.0095.096.296.2Max. traction: 12523 lbBearing type:Taconite LabyrinthTaconite LabyrinthTaconite LabyrinthLubrication interval:6000 h13000 h13000 hLubricat amount:72 g45 gLubricant type:Mobil Polyrex EM							-		
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Lubrication interval:6000 h13000 hLubricant amount:72 g45 gLubricant type:Mobil Polyrex EM			:			Ta		inth	
Lubricant amount : 72 g 45 g Lubricant type : Mobil Polyrex EM		val	:			10			
Lubricant type : Mobil Polyrex EM									
			:			bil Polyrex FM	40 g		
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.	This revision repl must be eliminate (1) Looking the m (2) Measured at 2 (3) Approximate w manufacturing pro-	ed. notor from t 1m and wit weight sub ocess.	the shaft e h toleranc	end. e of +3dB((A).	power supply	•		
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. power supply, subject to the tolerances stipulated in NEI MG-1. MG-1.	This revision repl must be eliminate (1) Looking the m (2) Measured at 7 (3) Approximate manufacturing pr (4) At 100% of fu	ed. notor from t 1m and wit weight sub ocess.	the shaft e h toleranc ject to cha	end. æ of +3dB(anges after	(A).	power supply MG-1.	r, subject to th	ne tolerances stipu	
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13/04/2022

Date

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Three Phase Induction Motor - Squirrel Cage

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Customer

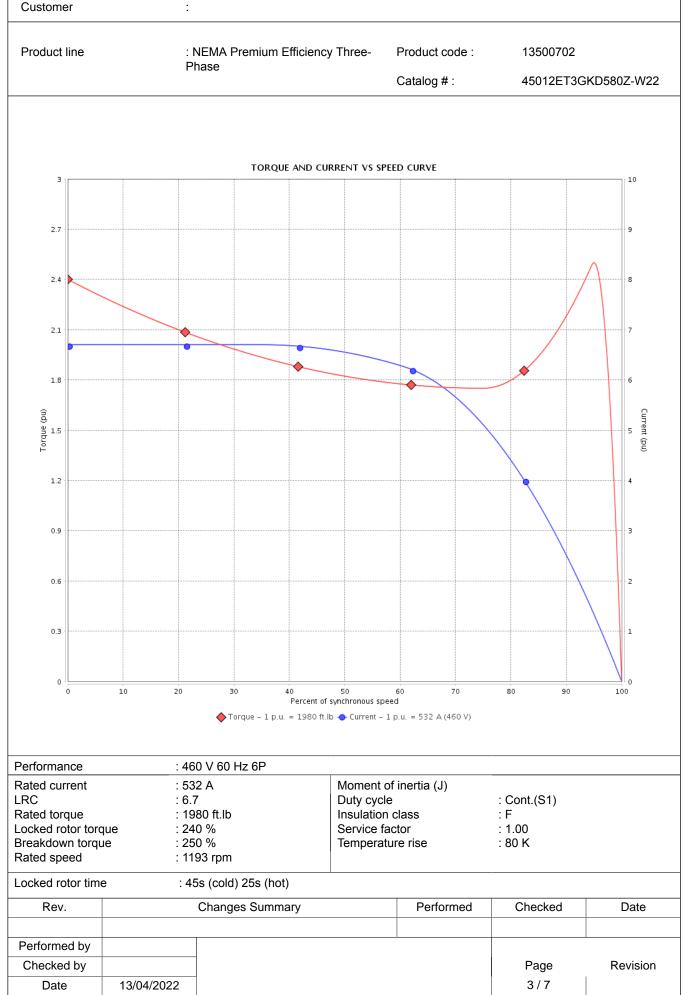
		Thermal protect	Ĩ.		
ID	Application	Туре	Quantity		Temperature
1	Winding	Thermostat - 2 wire	es 1 x Phase	1	55 °C
		Space heater info	rmation		
oltage: 200 - 2	40 V				
Rev.	Ch	anges Summary	Performed	Checked	Date
	Ch	anges Summary	Performed	Checked	Date
Rev. Performed by Checked by	Ch	anges Summary	Performed	Checked	Date

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

Customer



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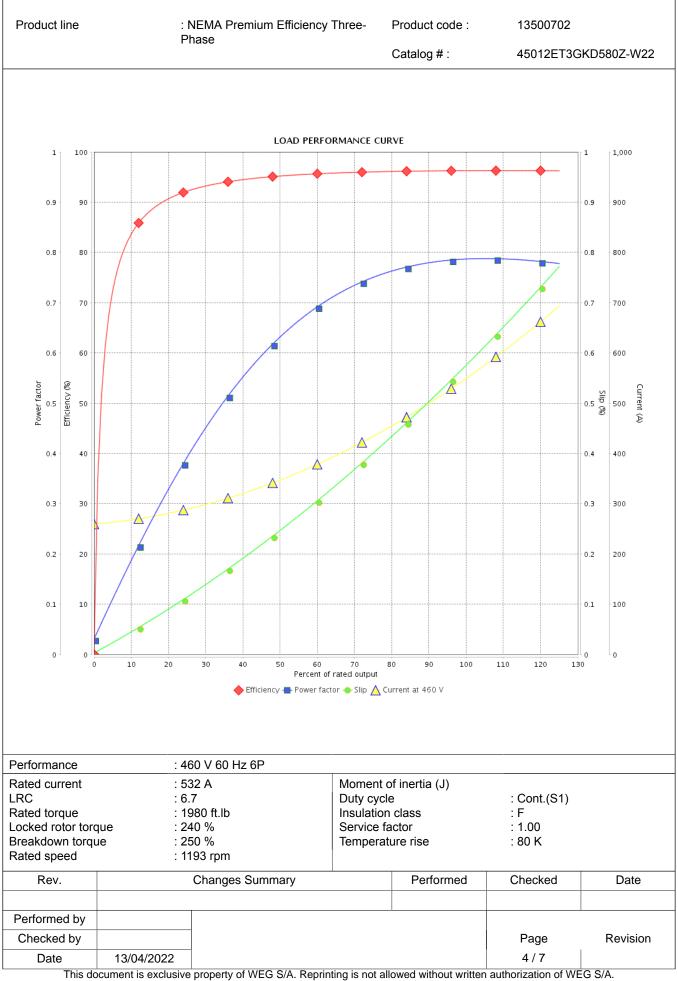
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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THERMAL LIMIT CURVE

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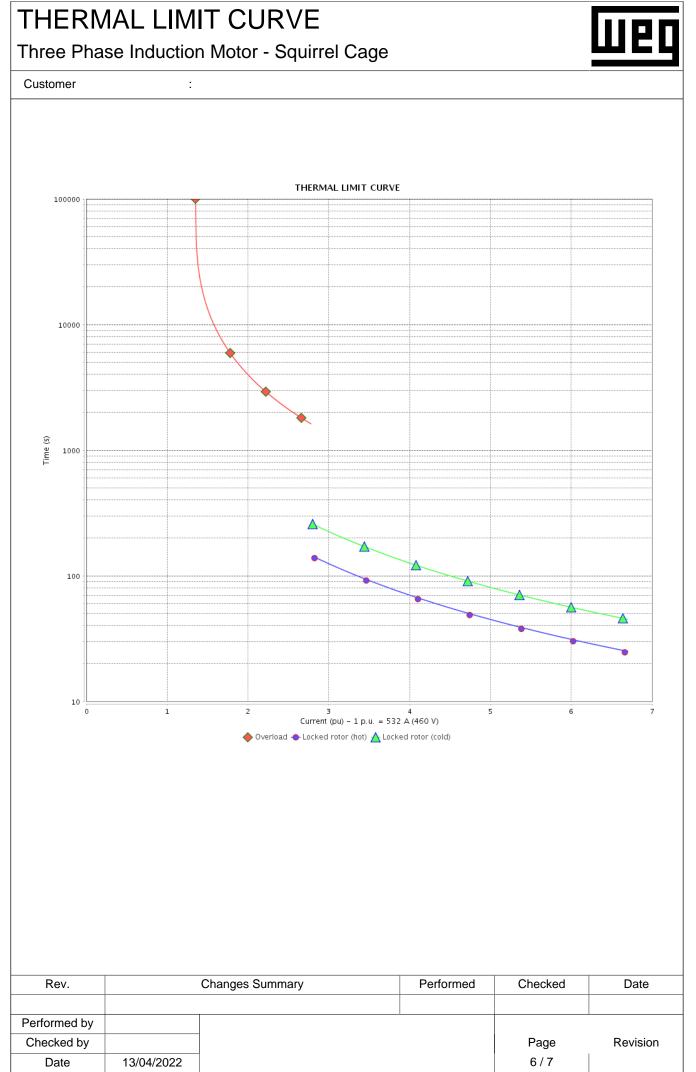
Three Phase Induction Motor - Squirrel Cage

Customer

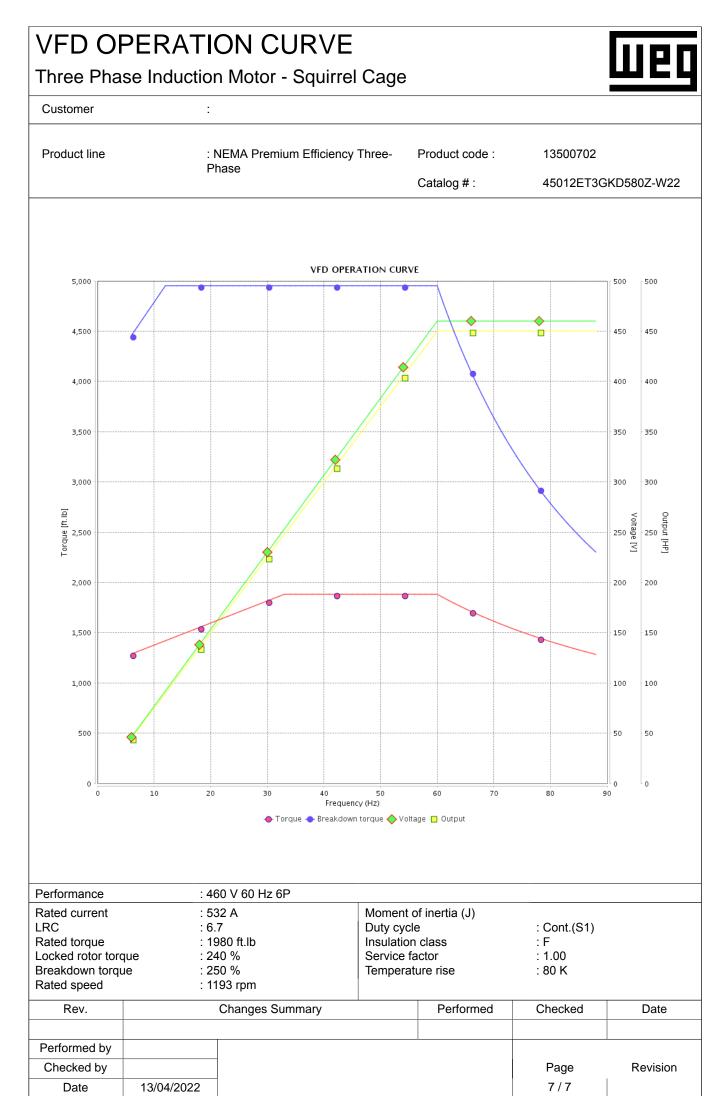
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	13500702
		Catalog # :	45012ET3GKD580Z-W22

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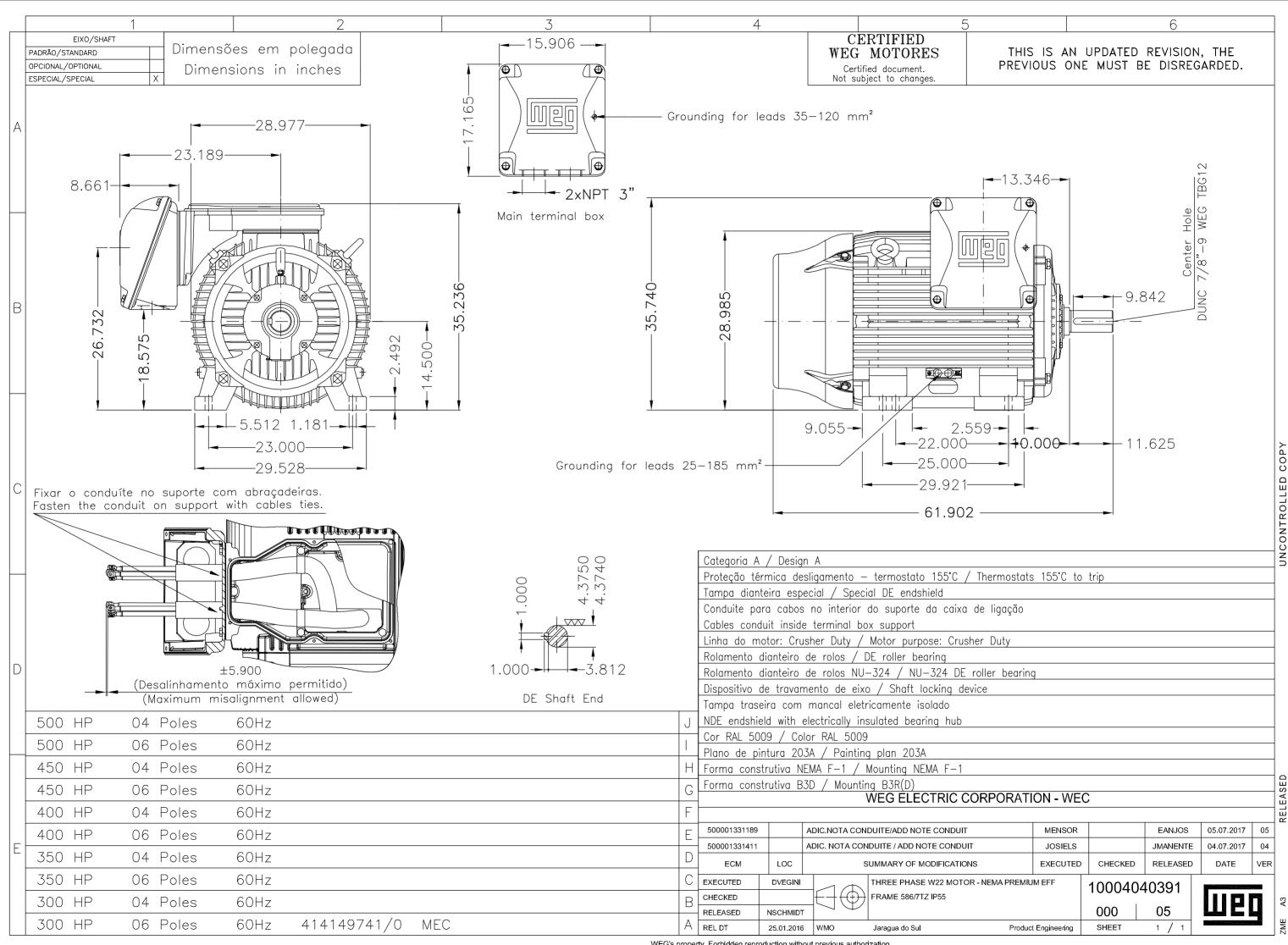
Performance	: 4	460 V 60 Hz 6P				
Rated current LRC Rated torque Locked rotor toro Breakdown torqu Rated speed	: 6 : 1 jue : 2 ie : 2	532 A 5.7 1980 ft.lb 240 % 250 % 1193 rpm	Moment of Duty cycle Insulation Service fac Temperatu	class	: Cont.(S1) : F : 1.00 : 80 K	
Heating constant	t					
Cooling constant	:					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				5/7	
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