## DATA SHEET

Three Phase Induction Motor - Squirrel Cage

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#### Customer

Product line		: NEN Phase		n Efficiency 1	nree- Proc	duct code :	13500705	
					Cata	alog # :	50018ET3G	KD580Z-W22
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torqu Breakdown torque Insulation class Service factor Design		: 4 : 60 F : 460 : 575 : 442 : 7.7x : 190	HP (370 k <sup>4</sup> Iz V A 3 A (Code H) A 1 rpm % 0 ft.lb % %	W)	Locked roto Temperatur Duty cycle Ambient ter Altitude Protection o Cooling me Mounting Rotation <sup>1</sup> Noise level <sup>2</sup> Starting me Approx. we	e rise nperature degree thod 2 thod	: 36s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a : IP55 : IC411 - TI : F-1 : Both (CW : 78.0 dB(A : Direct On : 3912 lb	-40°C .s.l. EFC and CCW)
Dutput	25%	50%	75%	100%	Foundation Ic	ads		
Efficiency (%) Power Factor	0.000 0.00	95.8 0.72	96.2 0.80	96.2 0.84	Max. traction Max. compres	ssion	: 5691 lb : 9602 lb	
Sealing Lubrication interva Lubricant amount Lubricant type Notes	al	:	30	e Labyrinth 000 h /2 g Mo	Ti bil Polyrex EM	aconite Labyr 8000 h 45 g	inth	
nust be eliminated (1) Looking the mo (2) Measured at 1n (3) Approximate we nanufacturing proc	l. tor from th n and with eight subje cess.	ie shaft e toleranc	nd. e of +3dB(/				based on tests w le tolerances stipu	
nust be eliminated 1) Looking the mo 2) Measured at 1n 3) Approximate we nanufacturing proc	l. tor from th n and with eight subje cess.	e shaft e tolerance ect to cha	nd. e of +3dB(/	۹).	power supply MG-1.			
This revision replace must be eliminated (1) Looking the moi (2) Measured at 1n (3) Approximate we manufacturing procession (4) At 100% of full I Rev.	l. tor from th n and with eight subje cess.	e shaft e tolerance ect to cha	nd. e of +3dB(/ nges after	۹).	power supply MG-1.	ι, subject to th	e tolerances stipu	lated in NEMA
nust be eliminated 1) Looking the mo 2) Measured at 1n 3) Approximate we nanufacturing proc 4) At 100% of full I Rev.	l. tor from th n and with eight subje cess.	e shaft e tolerance ect to cha	nd. e of +3dB(/ nges after	۹).	power supply MG-1.	ι, subject to th	e tolerances stipu	ilated in NEM

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 12/04/2022
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Three Phase Induction Motor - Squirrel Cage

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Customer

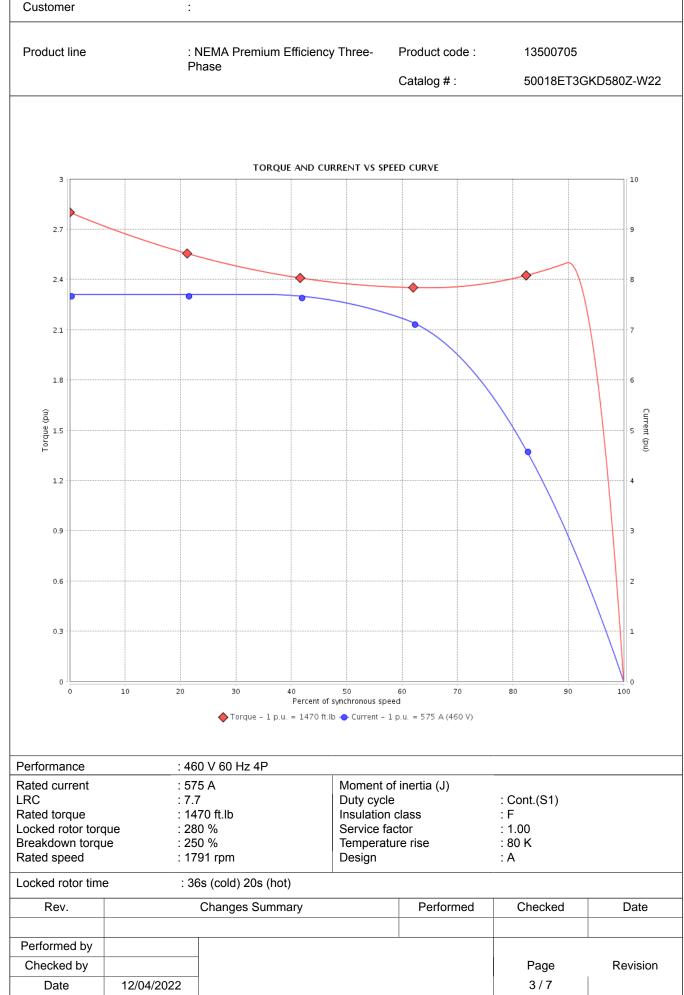
ID	Application	Thermal protection Type	Quantity	Sensina	Temperature
1	Winding	Thermostat - 2 wires	1 x Phase		55 °C
		Space heater information		I	
oltage: 200 - 24	40 V	Space neater morna			
1.030. 200 2					
Rev.	Cł	anges Summary	Performed	Checked	Date
	Cr	anges Summary	Performed	Checked	Date
Rev. Performed by Checked by	Cł	anges Summary	Performed	Checked	Date

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### TORQUE AND CURRENT VS SPEED CURVE

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Customer



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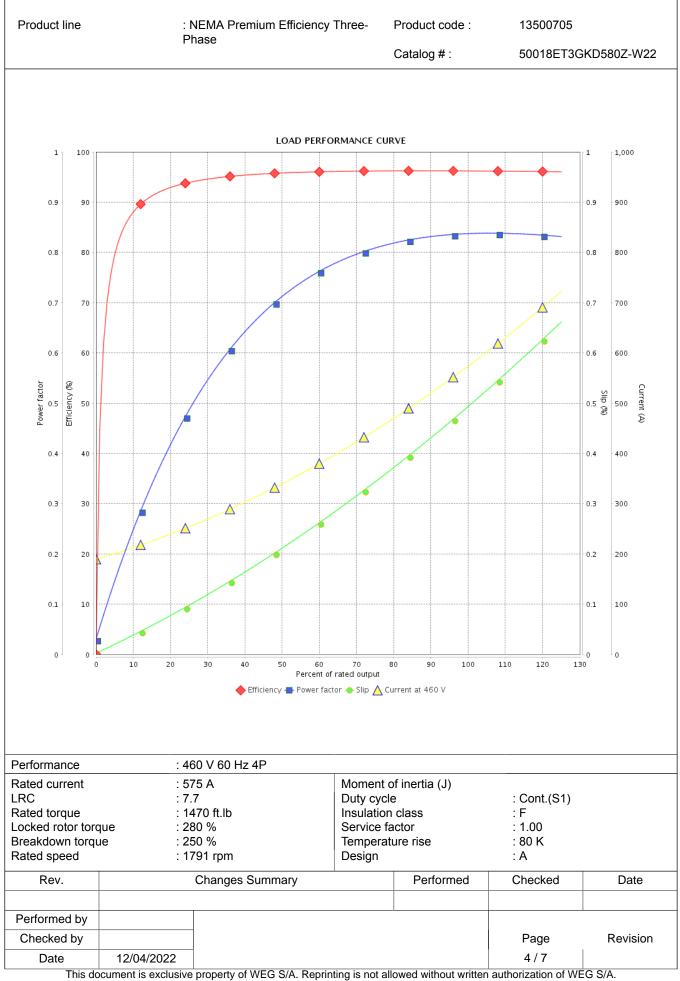
### LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

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Customer



# THERMAL LIMIT CURVE

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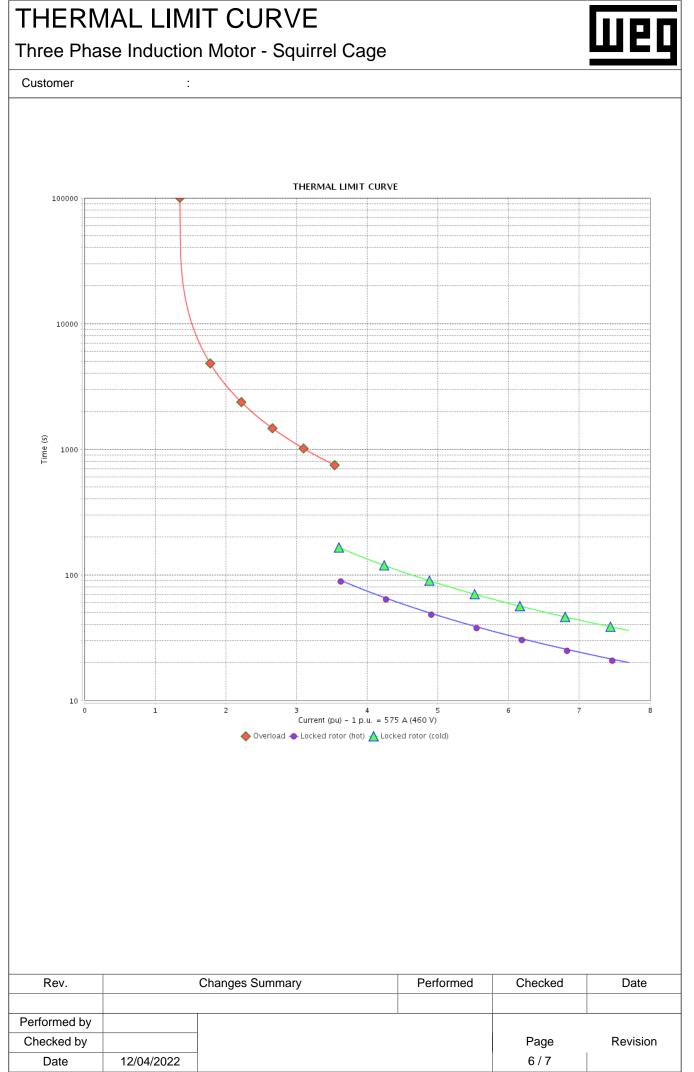
Three Phase Induction Motor - Squirrel Cage

#### Customer

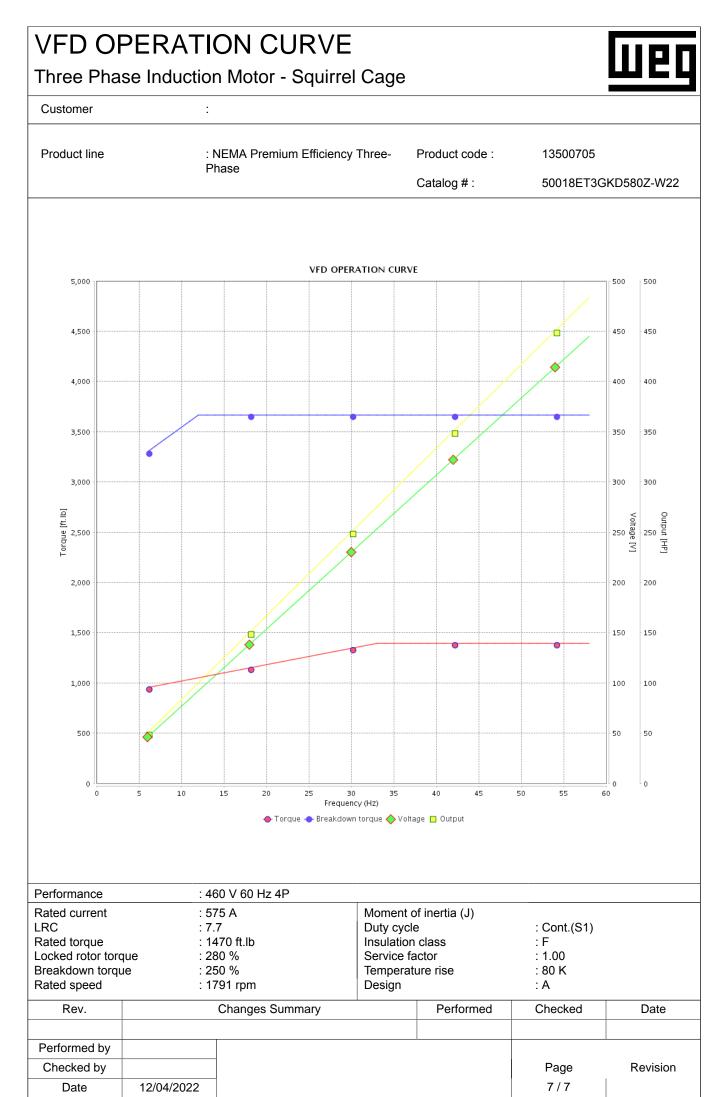
Product line	: NEMA Premium Efficiency Three-	Product code :	13500705
	Phase	Catalog # :	50018ET3GKD580Z-W22

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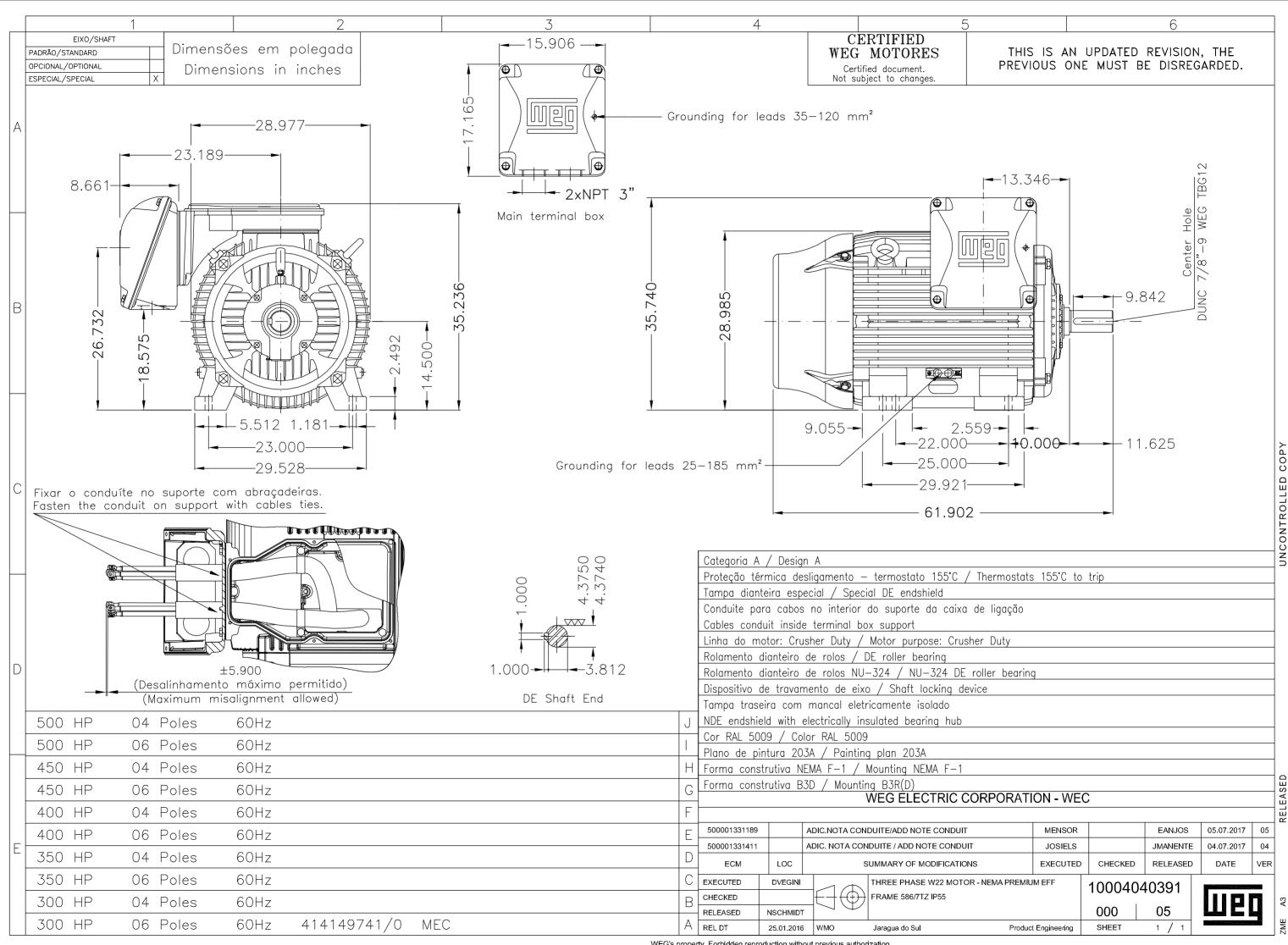
Performance		: 460 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 575 A : 7.7 : 1470 ft.lb : 280 % : 250 % : 1791 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.00 : 80 K : A			
Heating constant								
Cooling constant								
Rev.		Changes Summary		Performed	Checked	Date		
Performed by								
Checked by					Page	Revision		
Date	12/04/2022				5/7			
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		Premium W22			Ô	3PT9 LISTED JS	FOR SAFE AREA Mod.TE1BF0XON CC029A	C Energy Verte	Class II, Div 2, Gr F	B, C and D – T3 – T3 and G – T4	
	MODEL 50018ET3GKD580Z-W22								For use on PWM: Gr. A, B, C, D and F, VT 1000:1, CT 6:1, 1.00SF - T3		
	Inverter Duty Moto	r							-		
BRA: 705	Severe Duty		1000		FO 40471L				PART-WINDING START RUN	WYE-DELTA START RUN	
	PH3 60Hz V 460	Fr. 586/7TZ	1000m.a.s.l.	IP55 TE A 575	FC 4247lb			-	0T12_T10_T11 0T12_T10_T1 0T7 0T8 0T9 0T7 0T8 0T9	0_T12_T10_T11	
3500 <sup>.</sup>											
)Е 13!	HP 500			kW 370					016 014 015 016 014 015 011 012 013 011 012 013 01 02 03 011 02 03	017 018 019 017 018 019 011 012 013 011 012 013 011 02 03 011 012 013	
MADE 13	SF 1.00			SFA –				Π.	NU-324-C3 (72g)		
Σ	RPM 1791			PF 0.84				1 dial			
	AMB 40°C		INS c	. F DT80k	NEMA NOM EFF	96.2%		≝→	6319-C3 (45g)		
	DUTY CONT.		DES A	Code	Н			<del>ک</del>	MOBIL POLYREX EM (	3000h)	
								X			