DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

		Phase		n Efficiency T	Three-	Product code :	14396843	
						Catalog # :	25012XT30	6449T
Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Insulation class Service factor Design		: 6 : 60 H : 460 : 299 : 2422	HP (185 k) Iz A 2 A (Code J) A 0 rpm 5 % 0 ft.lb % %	W)	Temper Duty cy Ambien Altitude Protecti Cooling Mountir Rotation Noise k Starting	t temperature on degree method ng n ¹	: 18s (cold) : 80 K : Cont.(S1) : -20°C to + : 1000 m.a : IP55 : IC411 - TI : F-1 : Both (CW : 70.0 dB(A : Direct On : 3188 lb) +40°C .s.l. EFC / and CCW) A)
Output	25%	50%	75%	100%	Foundatio	on loads		
Efficiency (%)	0.000	95.0	95.4	95.8	Max. trac		: 7229 lb	
Power Factor	0.00	0.64	0.76	0.81	Max. com	pression Non drive en	: 10417 lb	
Sealing Lubrication interva Lubricant amount Lubricant type Notes			92	Oil Seal 12 h 50 g Mol	bil Polyrex	Viton Seal 11094 h 45 g EM		
This revision repla must be eliminated (1) Looking the mo (2) Measured at 1r (3) Approximate w manufacturing prod (4) At 100% of full	d. otor from the n and with t eight subjec cess.	e shaft e tolerance	nd. e of +3dB(A				s based on tests w he tolerances stipu	
must be eliminated (1) Looking the mo (2) Measured at 1r (3) Approximate we manufacturing prod	d. otor from the n and with t eight subjec cess.	e shaft e tolerance ct to cha	nd. e of +3dB(A	A).	power su			
must be eliminated (1) Looking the mo (2) Measured at 1r (3) Approximate we manufacturing pro (4) At 100% of full Rev.	d. otor from the n and with t eight subjec cess.	e shaft e tolerance ct to cha	nd. e of +3dB(/ nges after	A).	power su	pply, subject to t	he tolerances stipu	ulated in NEMA
nust be eliminated (1) Looking the mo (2) Measured at 1r (3) Approximate with manufacturing prod (4) At 100% of full	d. otor from the n and with t eight subjec cess.	e shaft e tolerance ct to cha	nd. e of +3dB(/ nges after	A).	power su	pply, subject to t	he tolerances stipu	ulated in NEMA

Шер

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

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

		Thermal protection			
ID	Application	Туре	Quantity		Femperature
1	Winding	Thermostat - 2 wires	1 x Phase	15	55 °C
Rev.	Chanc	les Summary	Performed	Checked	Date
		,			2 4.0
erformed by					
Checked by				Page	Revision

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

:





Product line		: NEMA Premium Efficiency Three- Phase		roduct code :	14396843		
	F	hase	С	atalog # :	25012XT3G449T		
		TORQUE AND CURRENT	T VS SPEED	CURVE			
3						10	
2.7						9	
2.4 -				•		8	
2.1						7	
2.1							
1.8					\	6	
					\mathbf{n}		
(nd) an 1.5						Current (pu)	
Torc					•	(pq)	
1.2						4	
0.9						3	
0.6						2	
0.3						1	
o][o	10 20	30 40 50 Percent of synchro	60	70	80 90	100	
		◆ Torque - 1 p.u. = 1100 ft.lb ◆ C		. = 299 A (460 V)			
Performance		60 V 60 Hz 6P					
Rated current RC	: 8.	1 Dut	Moment of inertia (J) Duty cycle		: Cont.(S1)		
Rated torque : 1100 ft.lb Locked rotor torque : 280 %		30 % Ser	Insulation class Service factor		: F : 1.15		
Breakdown torq Rated speed	ue : 30		Temperature rise : 80 K Design : A				
ocked rotor tim		8s (cold) 10s (hot)	<u> </u>				
Rev.		Changes Summary		Performed	Checked	Date	
		1					
Performed by Checked by		-			Page	Revision	
Date	13/04/2022	-			3/7		

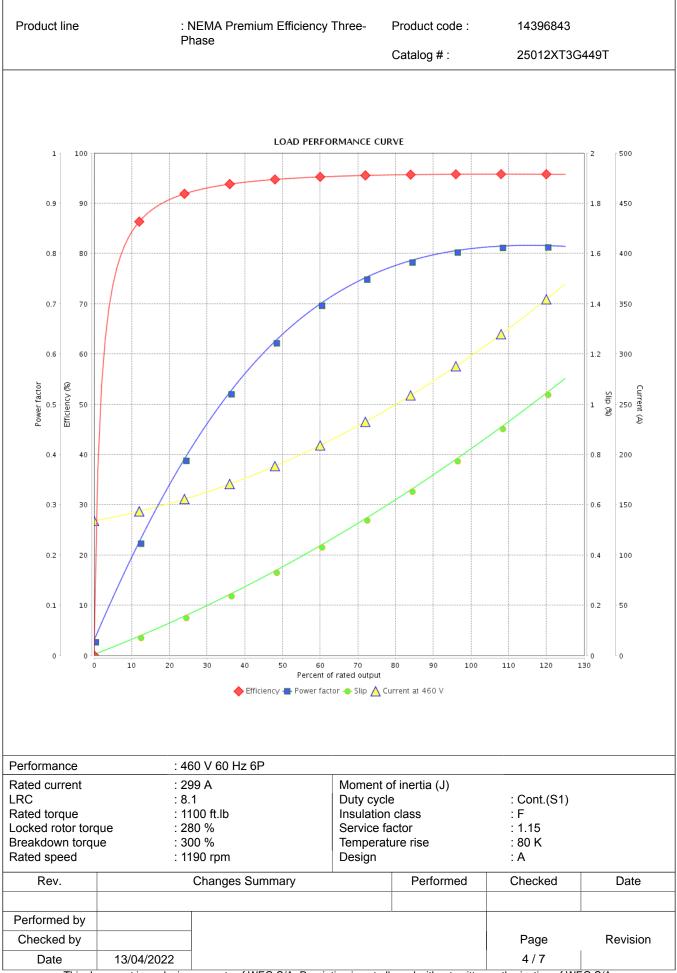
LOAD PERFORMANCE CURVE

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

THERMAL LIMIT CURVE

:

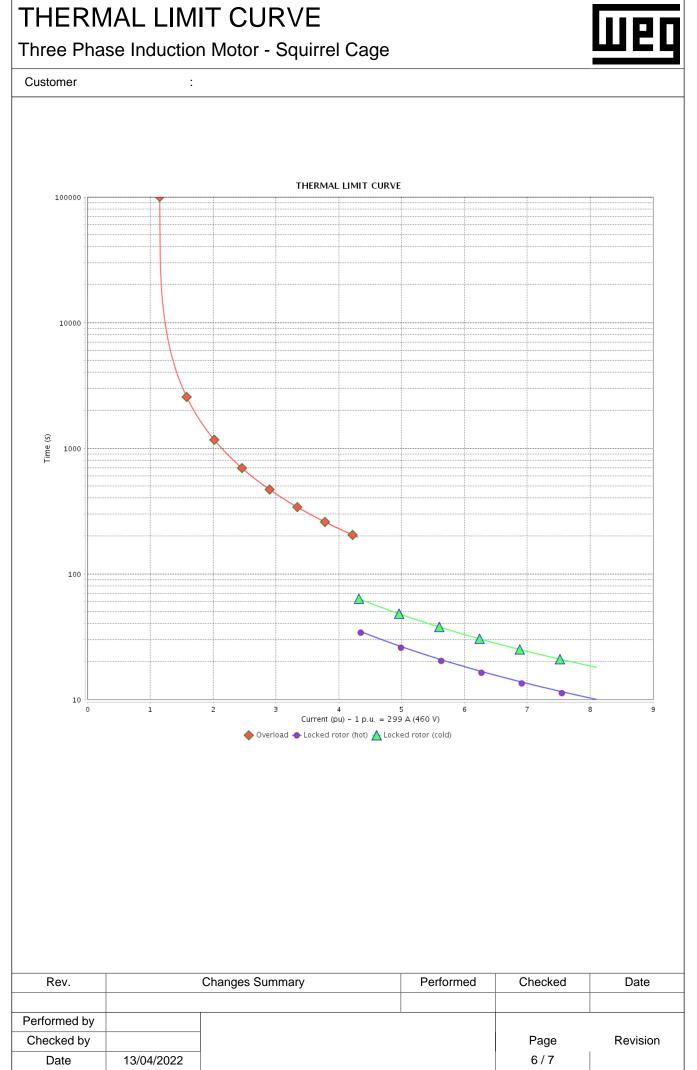
Three Phase Induction Motor - Squirrel Cage

Customer

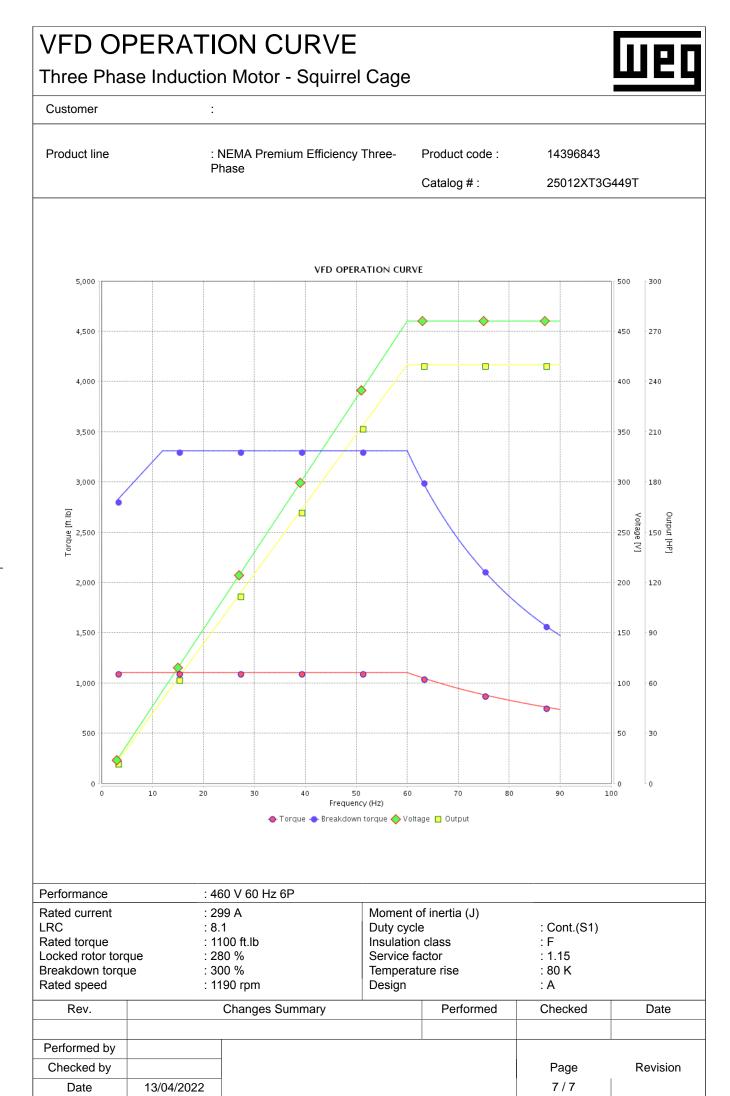
Product line	: NEMA Premium Efficiency Three-	Product code :	14396843
	Phase	Catalog # :	25012XT3G449T

Шеq

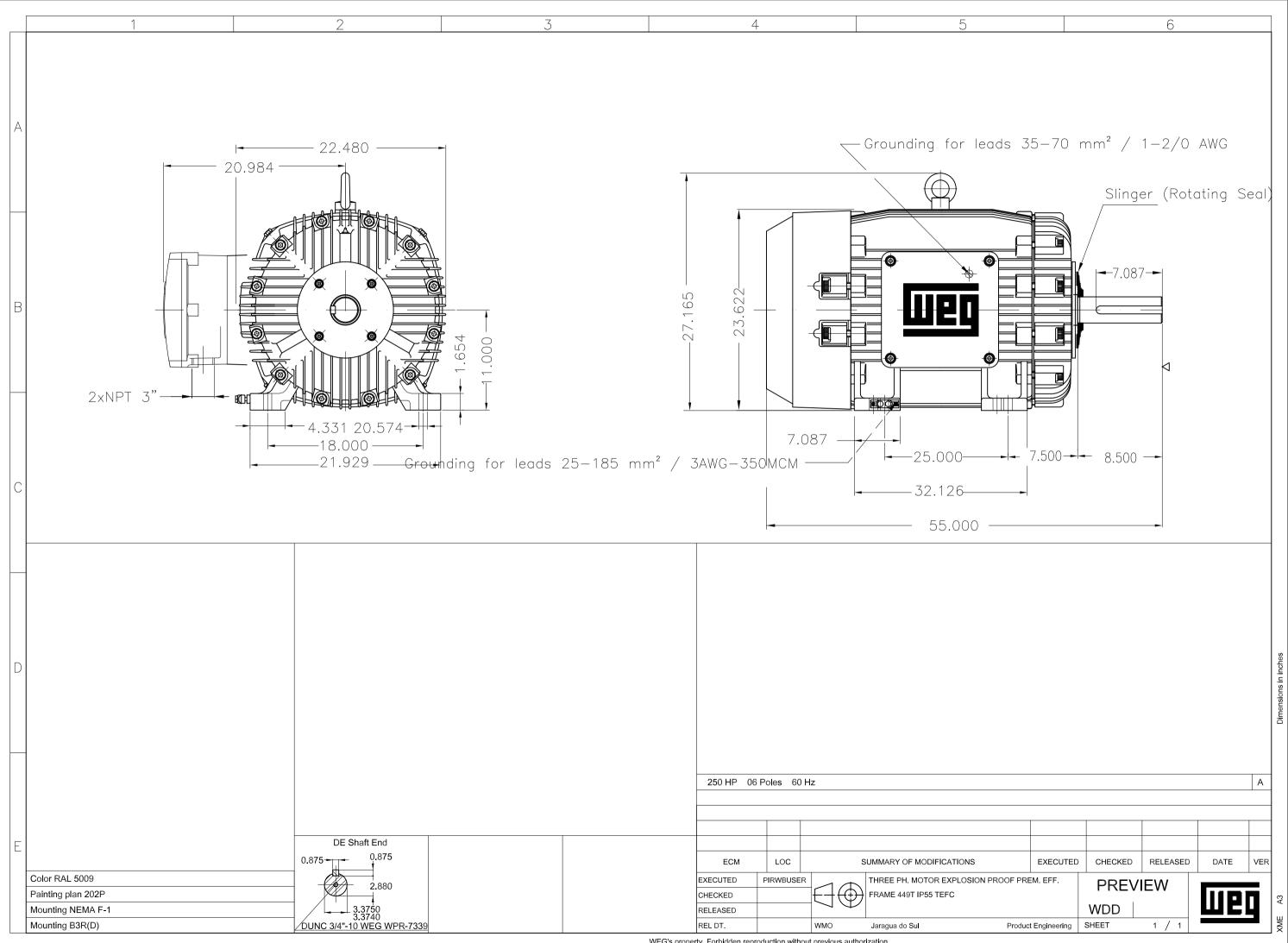
Performance	erformance : 460 V 60 Hz 6P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed Heating constant		: 299 A : 8.1 : 1100 ft.lb : 280 % : 300 % : 1190 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.15 : 80 K : A	
Cooling constant						
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/04/2022				5/7	
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						



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



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



WEG's property. Forbidden reproduction without previous authorization.