DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:

Customer

Product line		Flias	e		: NEMA Premium Efficiency Three- Product code : Phase			13500588		
						Catalog # :	15009ET3G	KD447T-W22		
Frame		: 445				rotor time	: 27s (cold)	15s (hot)		
Output			HP (110 k	W)		ature rise	: 105 K			
Poles		: 8			Duty cy	cle	: Cont.(S1)			
Frequency		: 60 I	Ηz		Ambien	t temperature	: -20°C to +	-40°C		
Rated voltage		: 460	V		Altitude		: 1000 m.a.	.s.l.		
Rated current		: 187				ion degree	: IP55	-		
L. R. Amperes		: 121				method	: IC411 - TE	FC.		
LRC					Mountir		: F-1			
No load current	: 6.5x(Code H) rent : 85.0 A		Rotatio			and CCW)				
Rated speed		: 85.0 A : 890 rpm		Noise le		: 63.0 dB(A				
		: 1.11					: Direct On			
Slip						method		Line		
Rated torque		: 885			Approx.	. weight ³	: 2287 lb			
Locked rotor toro		: 200								
Breakdown torqu	le	: 229	%							
Insulation class		: F								
Service factor		: 1.15	5							
Design		: A								
Dutput	25%	50%	75%	100%	Foundatio	on loads				
Efficiency (%)	0.000	94.5	94.5	94.5	Max. trac	tion	: 4283 lb			
Power Factor	0.00	0.64	0.73	0.78	Max. com		: 6570 lb			
		0.01								
				<u>e end</u>		Non drive end	<u></u>			
Bearing type		:	-	-319 C3	6316 C3					
Sealing		:	V	VSeal		WSeal				
Lubrication interv		:	15	5000 h		20000 h				
Lubricant amoun	ıt	:		45 g		34 g				
Lubricant type		:			bil Polyrex					
This revision repla nust be eliminate 1) Looking the m 2) Measured at 1 3) Approximate v nanufacturing pro 4) At 100% of ful	ed. notor from t 1m and with weight subj ocess.	he shaft e h toleranc ject to cha	nd. e of +3dB(inges after	(A).		ipply, subject to th	based on tests wi e tolerances stipu	lated in NEM		
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13/04/2022

Date

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DATA SHEET

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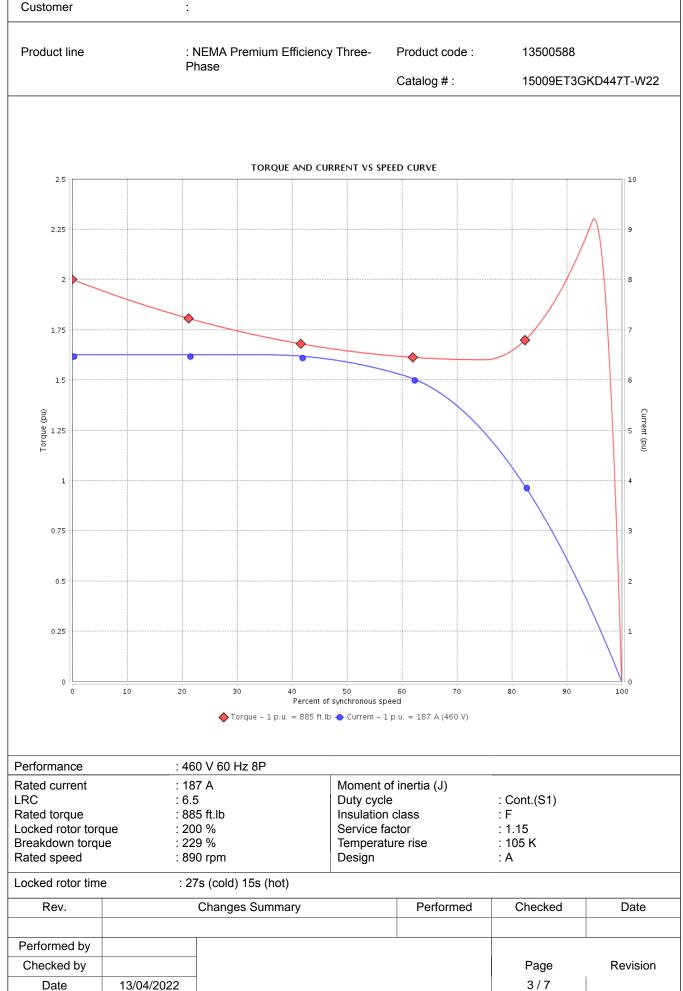
Customer

ID	Application	Туре	Quantity	Sensing [•]	Temperature
1	Winding	Thermistor - 2 wires	1 x Phase		55 °C
			,		
Rev.	Chang	es Summary	Performed	Checked	Date
erformed by					
Checked by				Page	Revision
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

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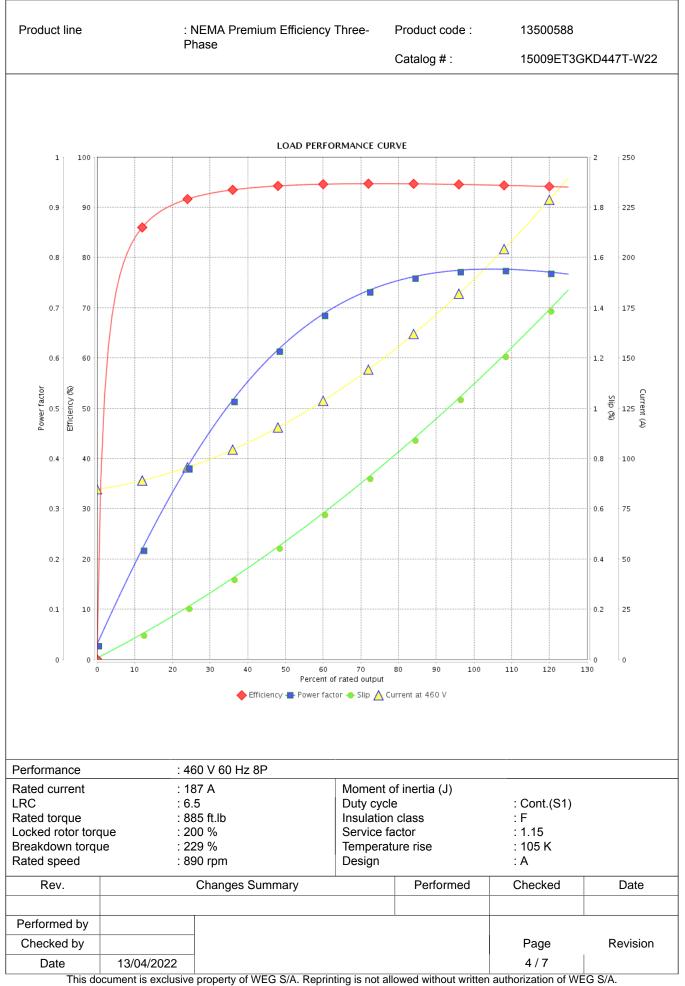
LOAD PERFORMANCE CURVE

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Customer



THERMAL LIMIT CURVE

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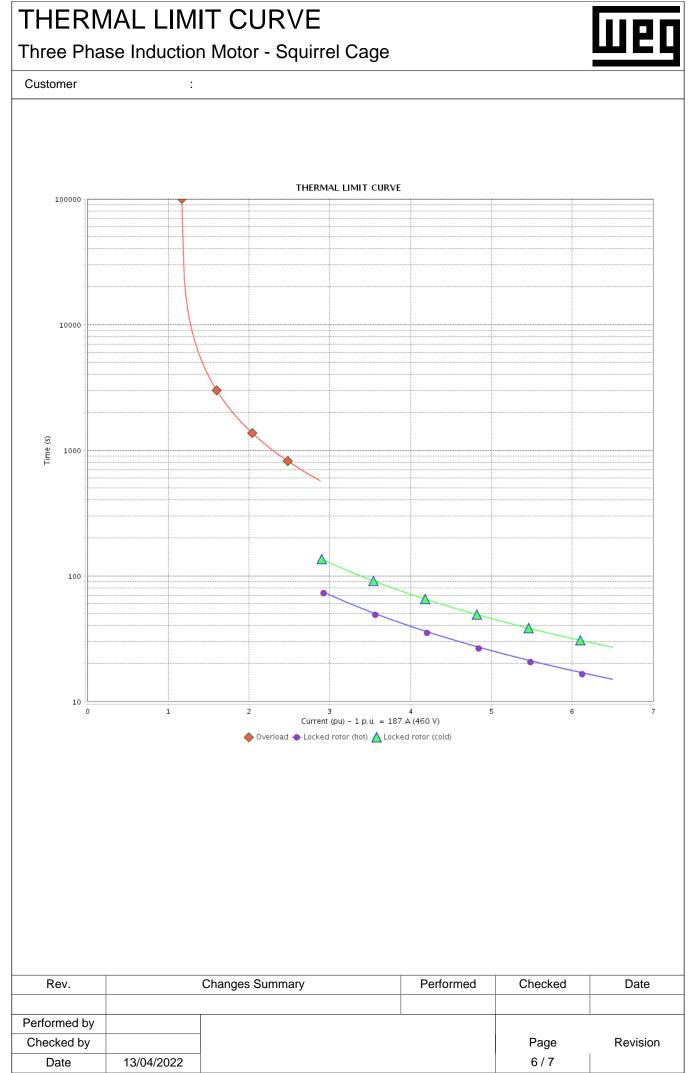
Three Phase Induction Motor - Squirrel Cage

Customer

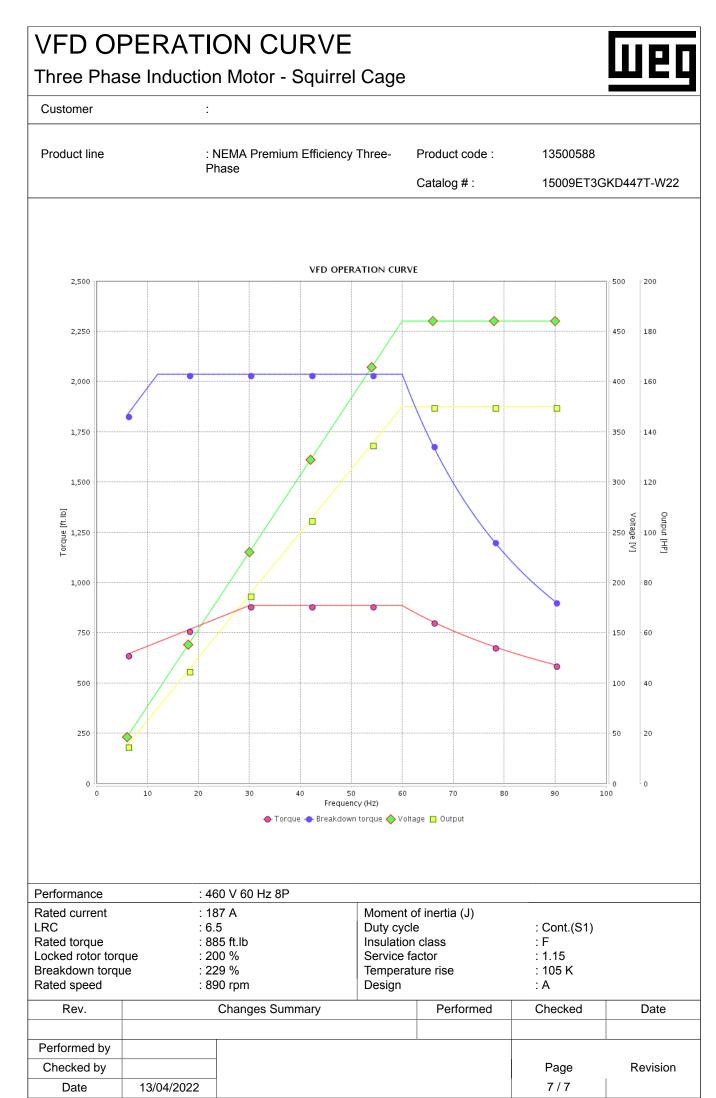
Product line	: NEMA Premium Efficiency Three- Phase	Product code :	13500588
		Catalog # :	15009ET3GKD447T-W22

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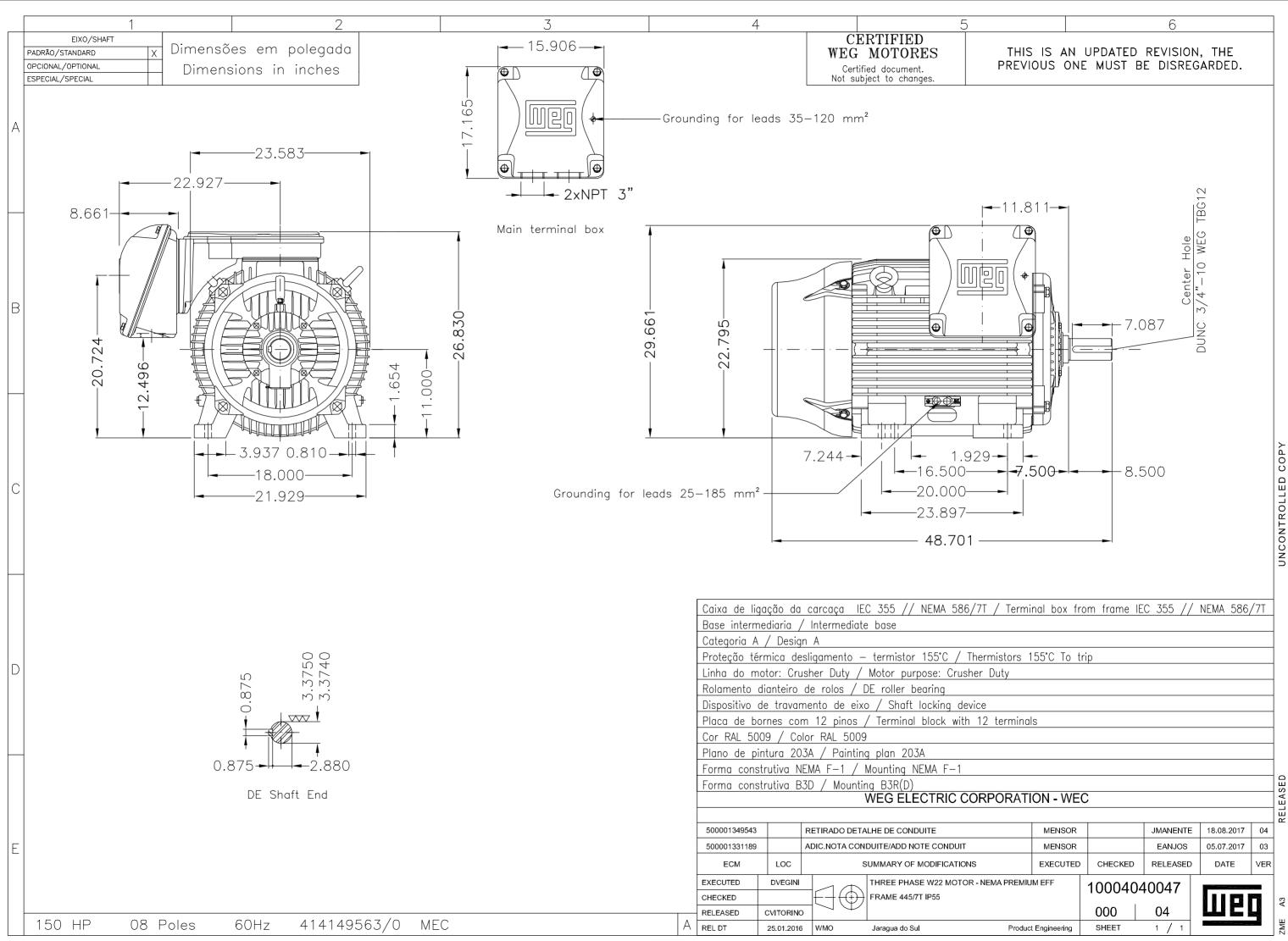
Performance	: 46	60 V 60 Hz 8P				
LRC: 6.Rated torque: 88Locked rotor torque: 20Breakdown torque: 22		87 A 5 85 ft.lb 00 % 29 % 90 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: Cont.(S1) : F : 1.15 : 105 K : A	
Heating constant	t				·	
Cooling constant	:					
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by		1			Page	Revision
Date	13/04/2022	1			5/7	
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Product Engineering	SHEET	1 / 1	

