

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer								
Product line		: NEMA Premium Efficiency Three-Phase			Product code :		11493490	
					Catalog # :		20012ET3GRB449T-W22	
Frame : 447/9T Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : B				Cooling method : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>2</sup> : 2852 lb Moment of inertia (J) : 145 sq.ft.lb				
Output [HP]	200	150	150	150	200	200	200	
Poles	6	6	6	6	6	6	6	
Frequency [Hz]	60	50	50	50	50	50	50	
Rated voltage [V]	460	380	400	415	380	400	415	
Rated current [A]	237	214	209	204	285	273	265	
L. R. Amperes [A]	1564	1391	1505	1632	1482	1638	1749	
LRC [A]	6.6x(Code G)	6.5x(Code G)	7.2x(Code H)	8.0x(Code J)	5.2x(Code E)	6.0x(Code G)	6.6x(Code G)	
No load current [A]	90.0	85.0	90.0	95.0	85.0	92.0	95.0	
Rated speed [RPM]	1187	988	990	990	980	983	985	
Slip [%]	1.08	1.20	1.00	1.00	2.00	1.70	1.50	
Rated torque [ft.lb]	885	797	796	796	1070	1070	1070	
Locked rotor torque [%]	229	229	250	270	180	200	220	
Breakdown torque [%]	240	260	280	310	190	210	229	
Service factor	1.15	1.15	1.15	1.15	1.00	1.00	1.00	
Temperature rise	80 K	80 K	80 K	80 K	105 K	105 K	105 K	
Locked rotor time	43s (cold)	91s (cold)	50s (cold)	46s (cold)	23s (cold)	25s (cold)	27s (cold)	
	24s (hot)	51s (hot)	28s (hot)	26s (hot)	13s (hot)	14s (hot)	15s (hot)	
Noise level <sup>2</sup>	70.0 dB(A)							
Efficiency (%)	25%	94.5	94.4	94.4	94.4	94.8	94.4	93.4
	50%	95.0	94.5	94.5	94.5	94.5	94.5	94.0
	75%	95.4	95.1	95.1	95.1	94.5	94.5	94.5
	100%	95.8	95.1	95.1	95.1	94.0	94.5	95.0
Power Factor	25%	0.44	0.41	0.39	0.36	0.51	0.47	0.45
	50%	0.68	0.65	0.62	0.59	0.74	0.71	0.68
	75%	0.79	0.76	0.74	0.71	0.83	0.81	0.79
	100%	0.83	0.82	0.80	0.79	0.85	0.84	0.83
Bearing type		Drive end : NU-322 C3		Non drive end : 6319 C3		Foundation loads		
Sealing		: WSeal		: WSeal		Max. traction : 5112 lb		
Lubrication interval		: 7000 h		: 13000 h		Max. compression : 7964 lb		
Lubricant amount		: 60 g		: 45 g				
Lubricant type		: Mobil Polyrex EM						
Notes								
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.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.				
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# TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



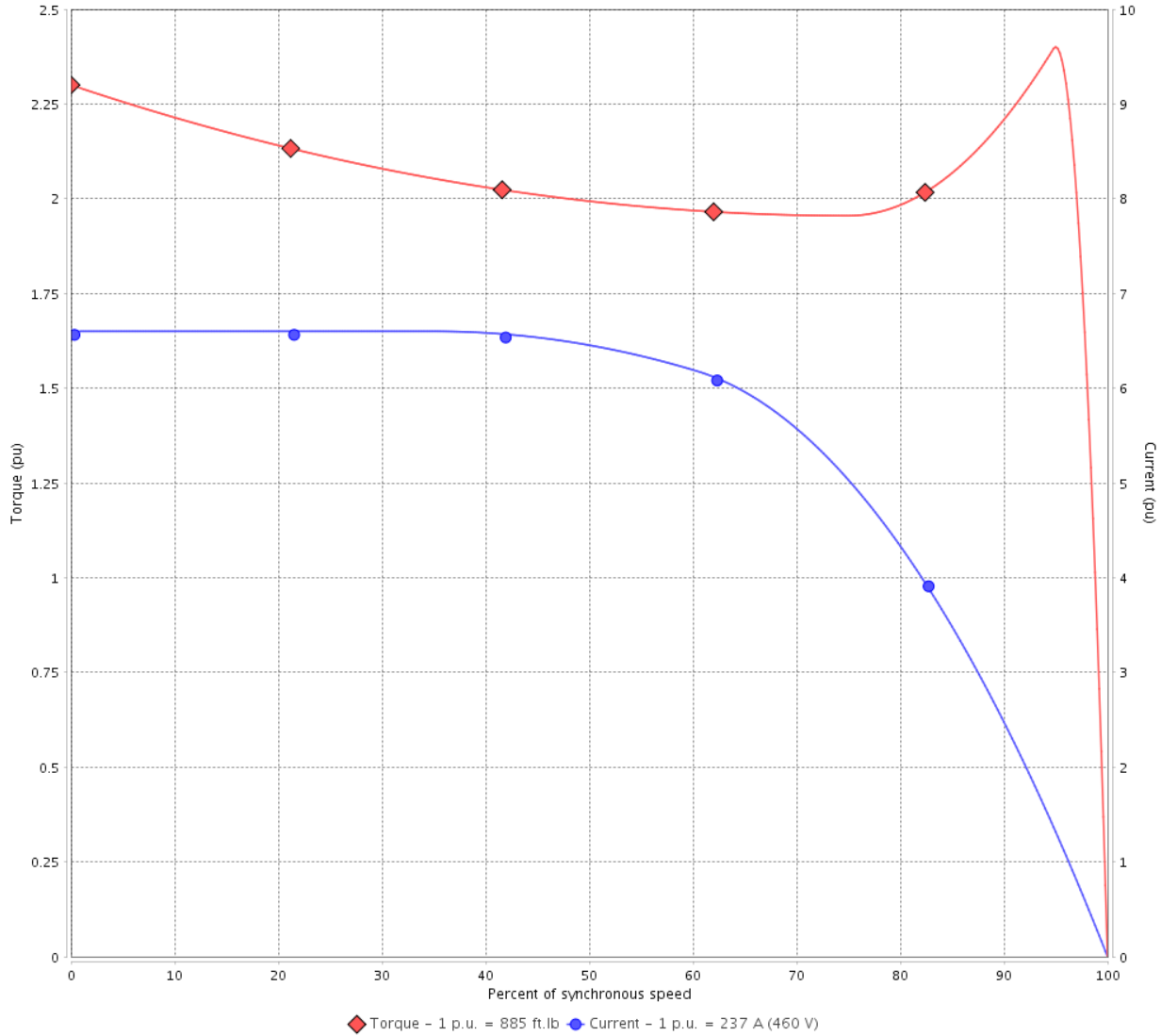
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 460 V 60 Hz 6P

Rated current	: 237 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 885 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 1187 rpm	Design	: B

Locked rotor time : 43s (cold) 24s (hot)

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# TORQUE AND CURRENT VS SPEED CURVE



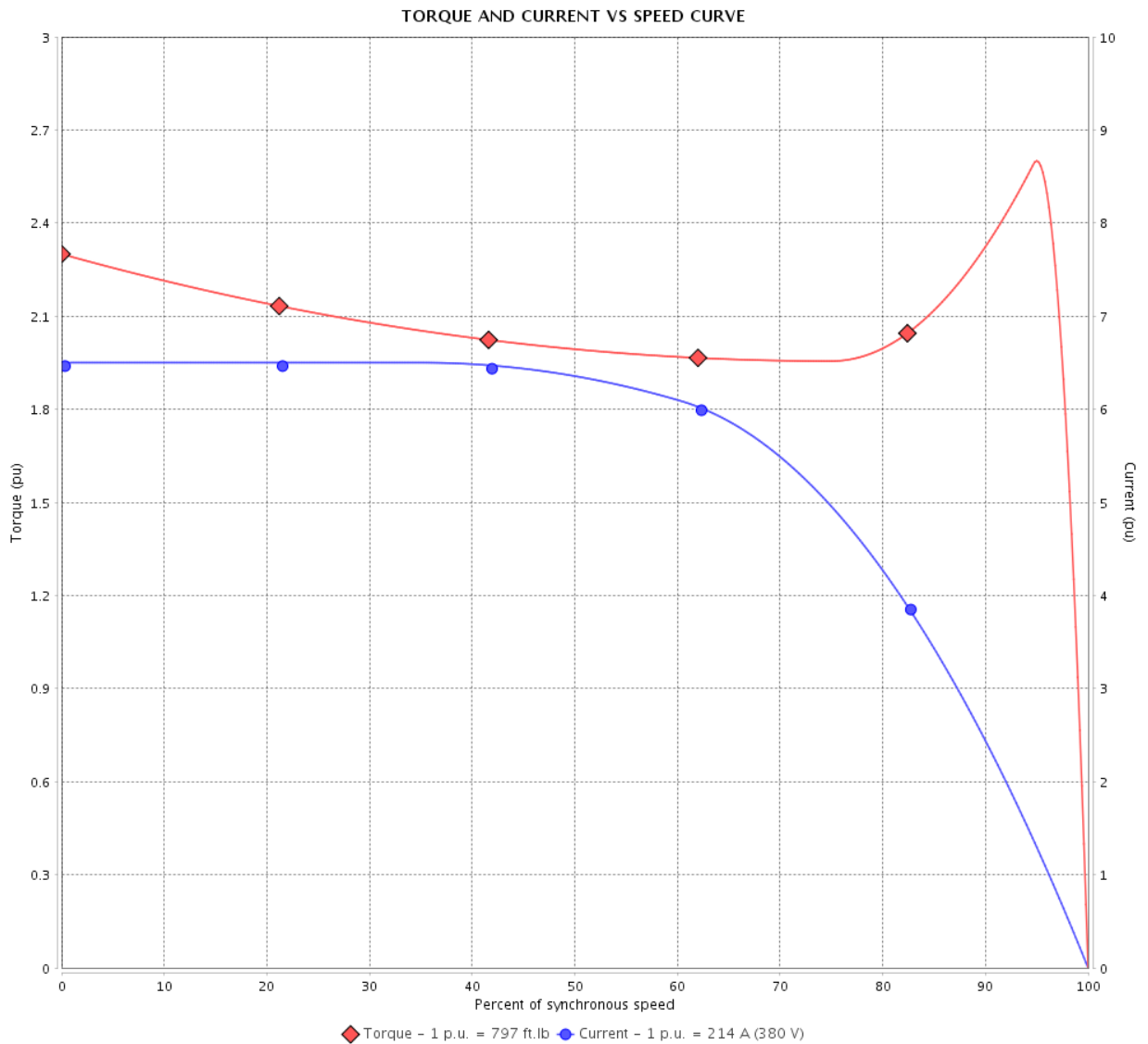
## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 380 V 50 Hz 6P IE3

Rated current	: 214 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 797 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 988 rpm	Design	: B

Locked rotor time : 91s (cold) 51s (hot)

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# TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



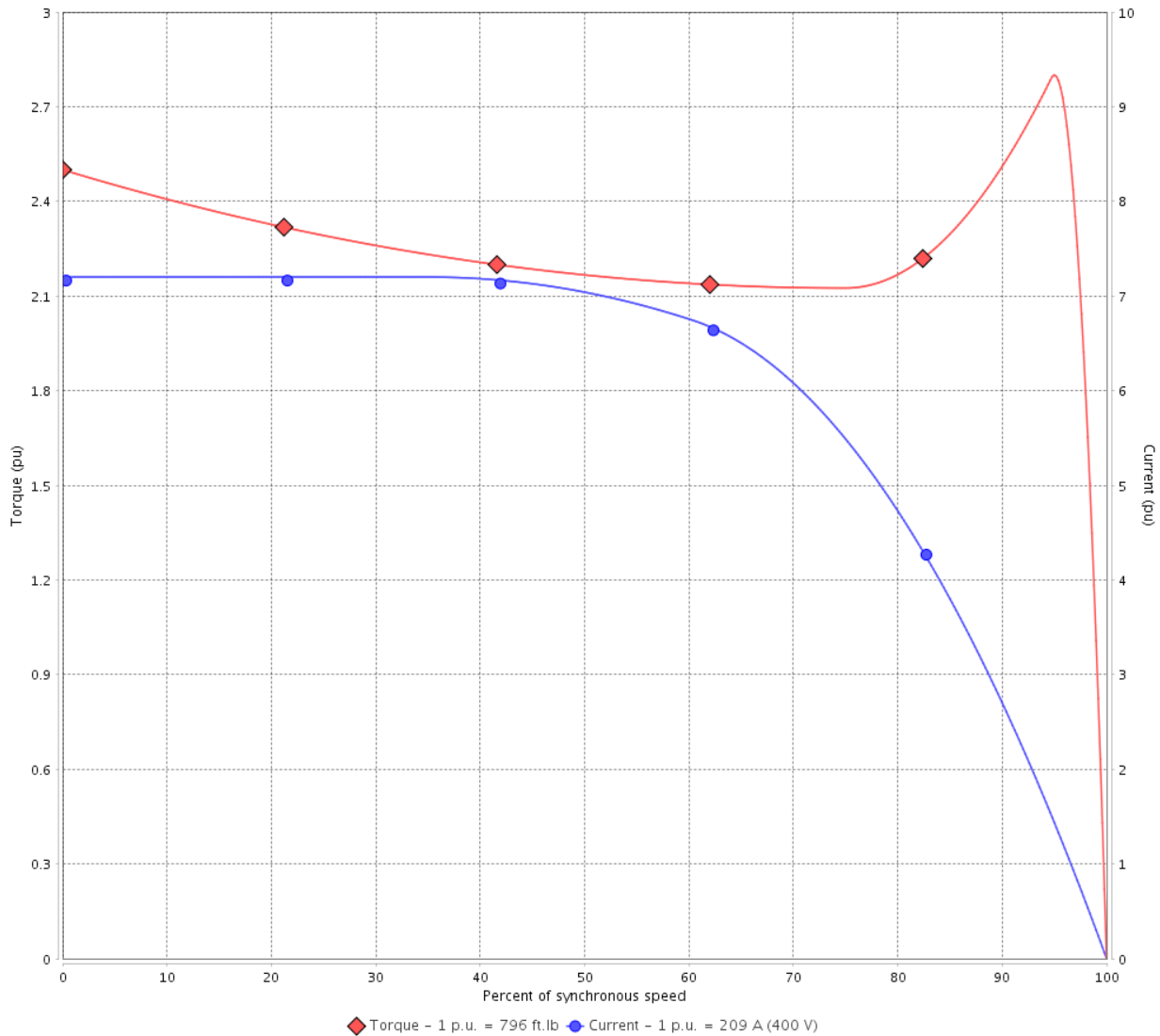
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 400 V 50 Hz 6P IE3

Rated current	: 209 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 796 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 990 rpm	Design	: B

Locked rotor time : 50s (cold) 28s (hot)

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# TORQUE AND CURRENT VS SPEED CURVE



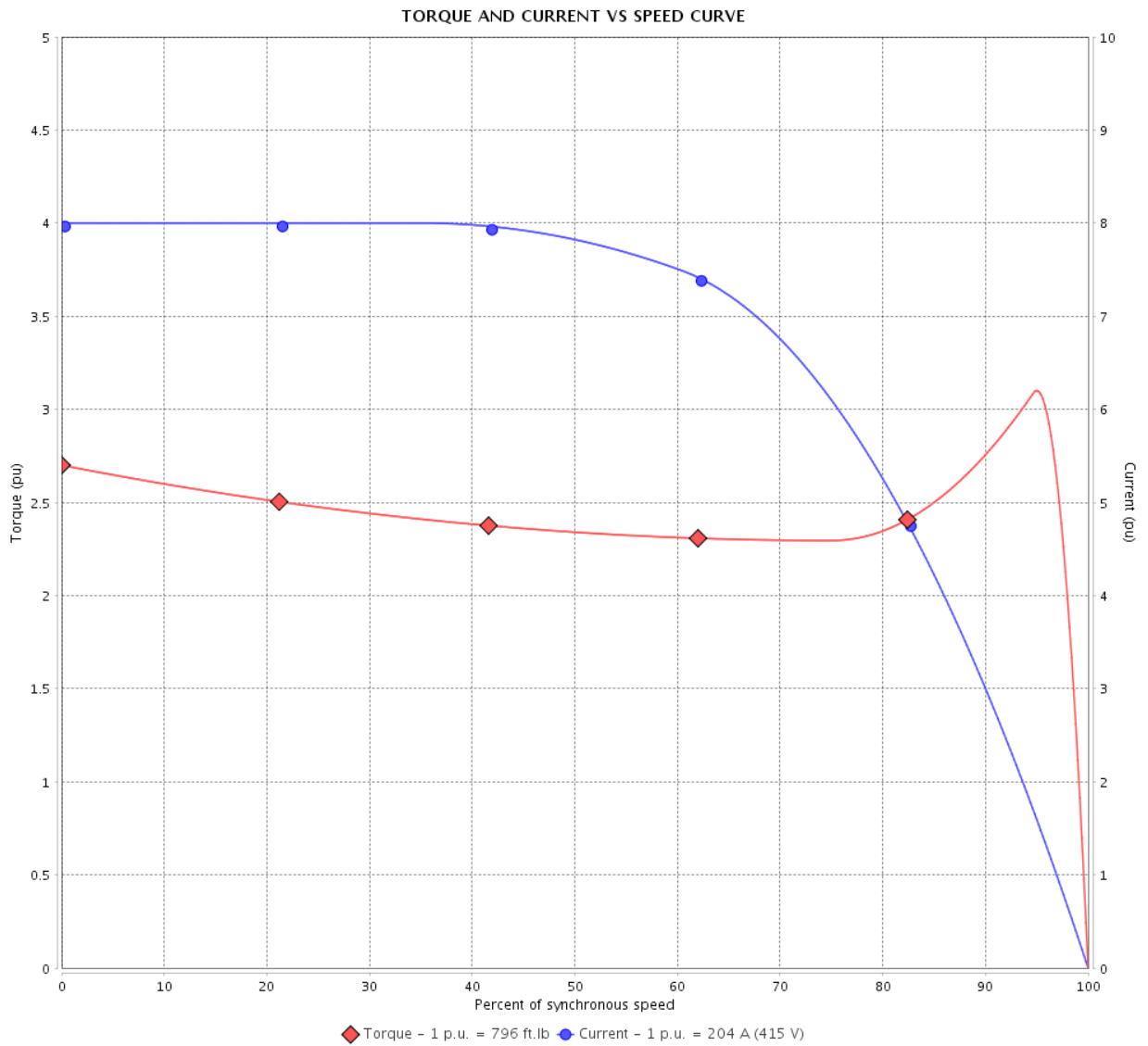
## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 415 V 50 Hz 6P IE3

Rated current	: 204 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 796 ft.lb	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 990 rpm	Design	: B

Locked rotor time : 46s (cold) 26s (hot)

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# TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



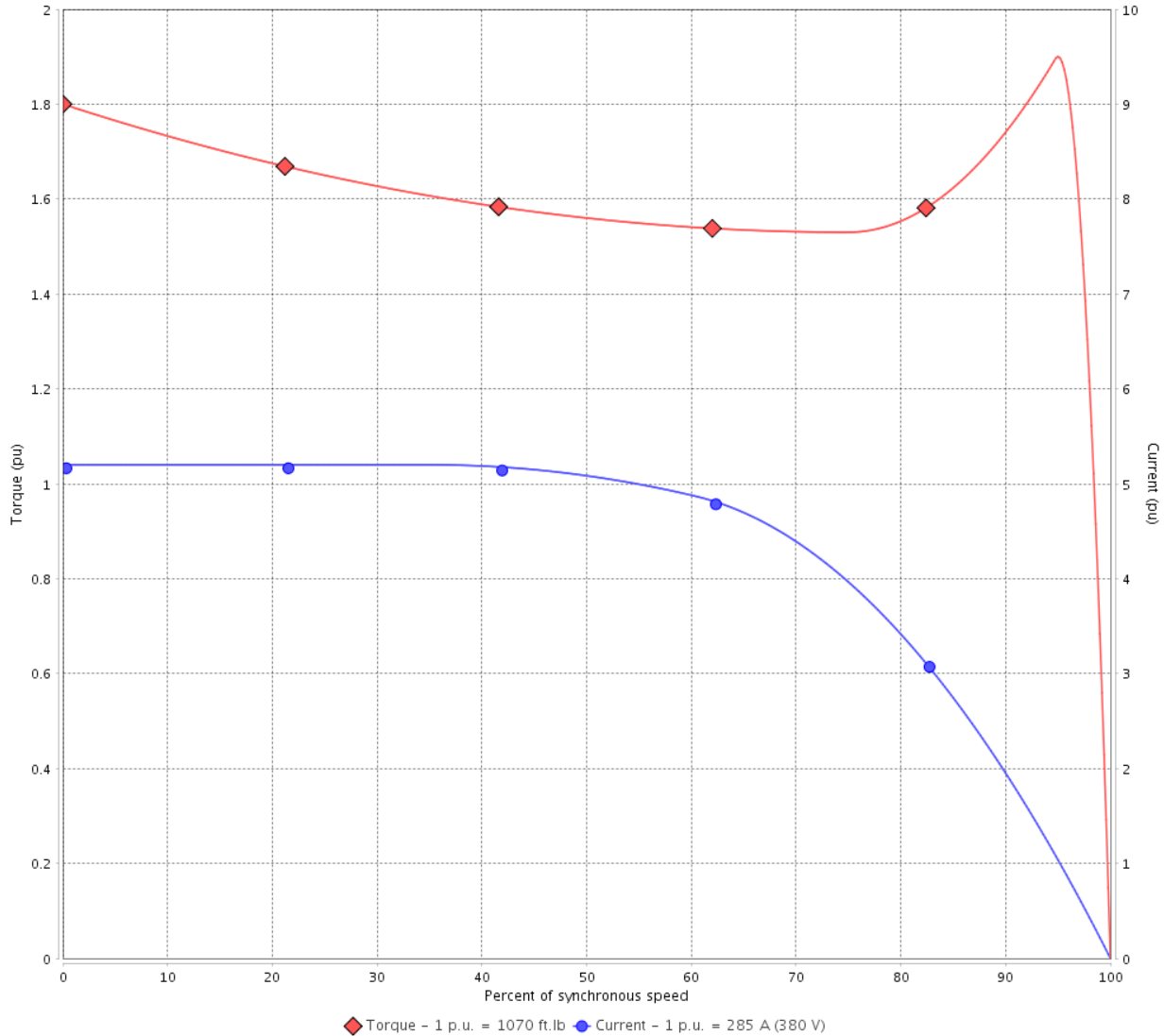
Customer :

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Product code : 11493490

Catalog # : 20012ET3GRB449T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 380 V 50 Hz 6P IE1

Rated current	: 285 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 5.2	Duty cycle	: Cont.(S1)
Rated torque	: 1070 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 190 %	Temperature rise	: 105 K
Rated speed	: 980 rpm	Design	: B

Locked rotor time : 23s (cold) 13s (hot)

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# TORQUE AND CURRENT VS SPEED CURVE



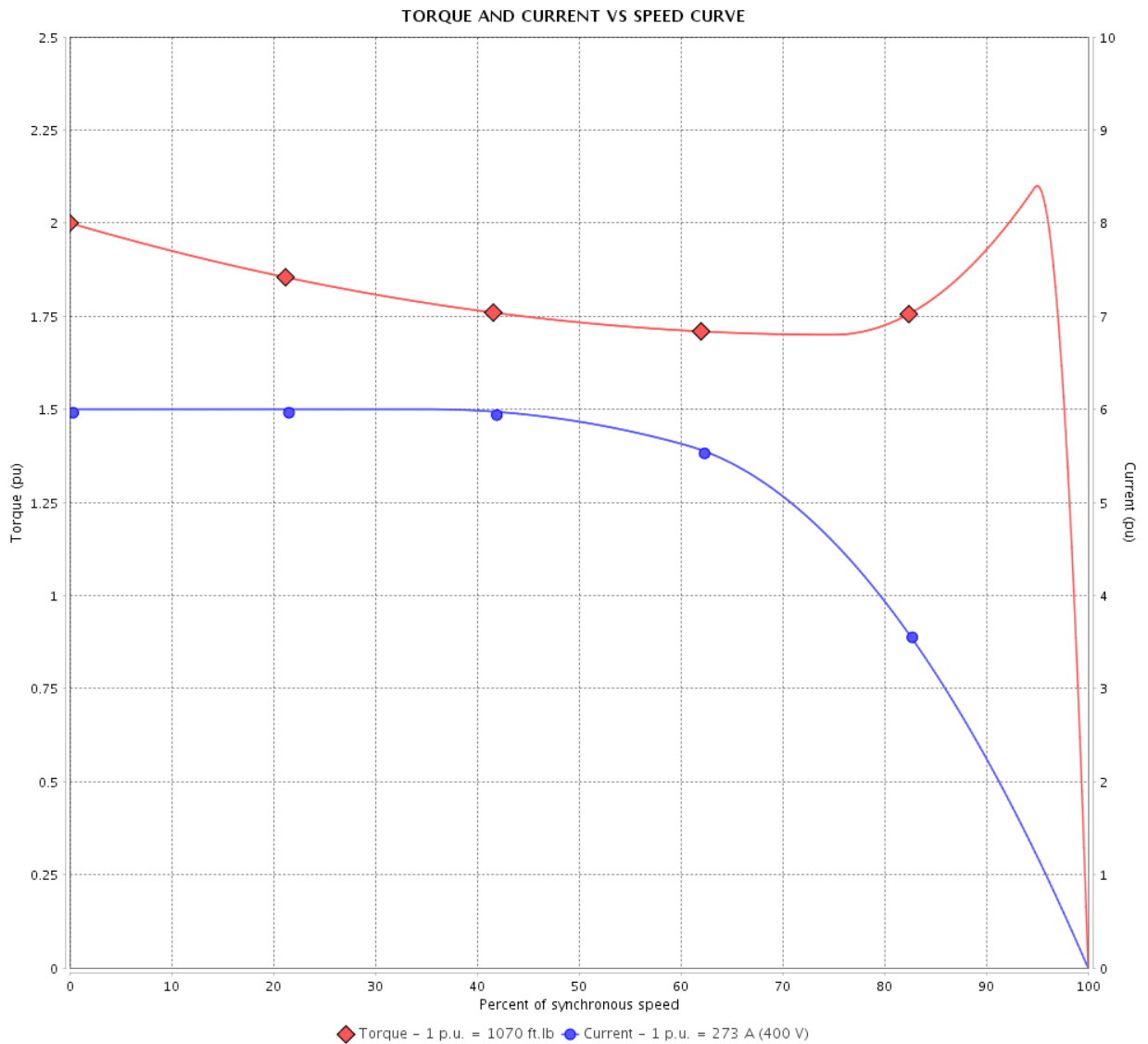
## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 400 V 50 Hz 6P IE1

Rated current	: 273 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 1070 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 210 %	Temperature rise	: 105 K
Rated speed	: 983 rpm	Design	: B

Locked rotor time : 25s (cold) 14s (hot)

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# TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



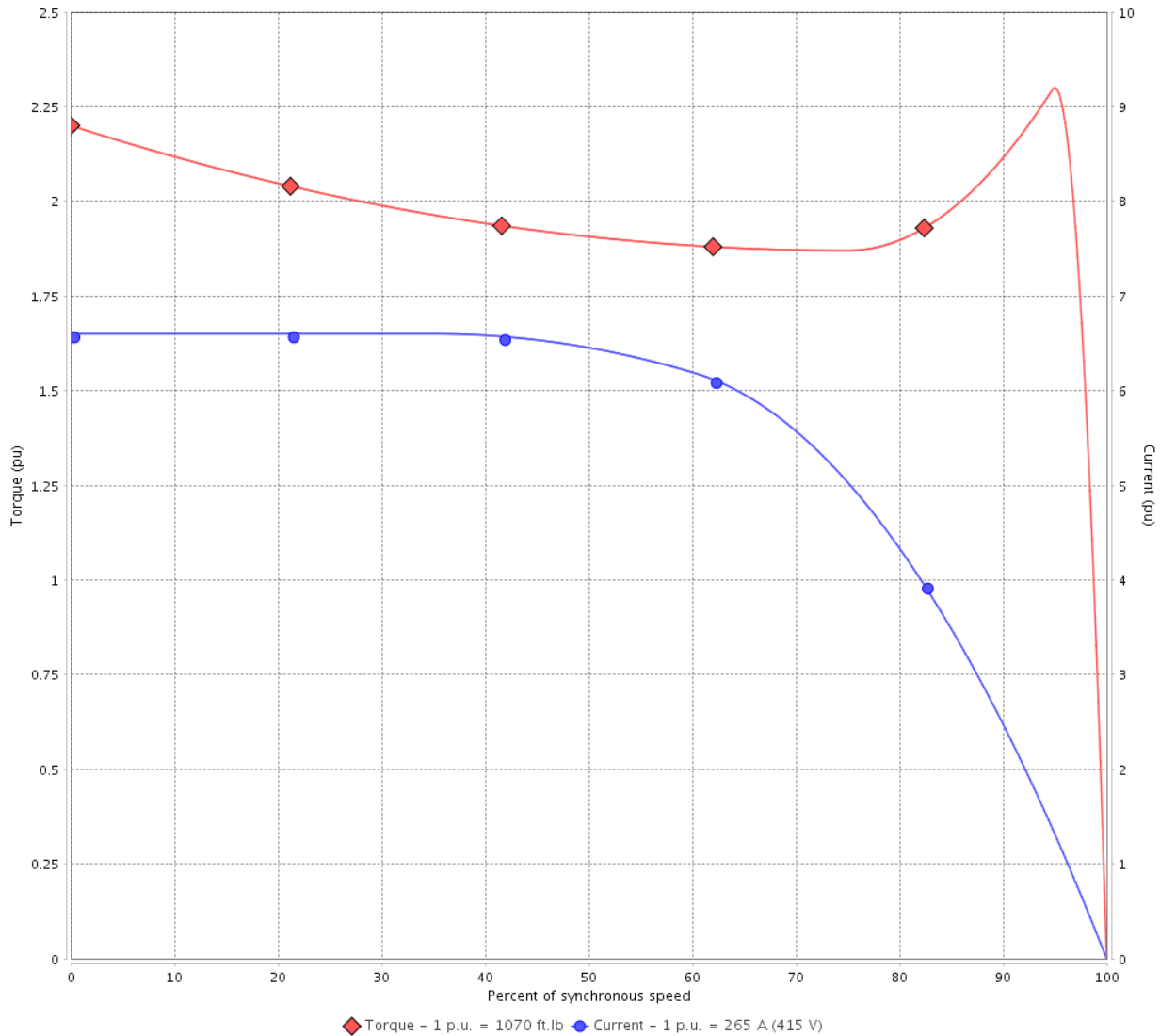
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 415 V 50 Hz 6P IE2

Rated current	: 265 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 1070 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 229 %	Temperature rise	: 105 K
Rated speed	: 985 rpm	Design	: B

Locked rotor time : 27s (cold) 15s (hot)

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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

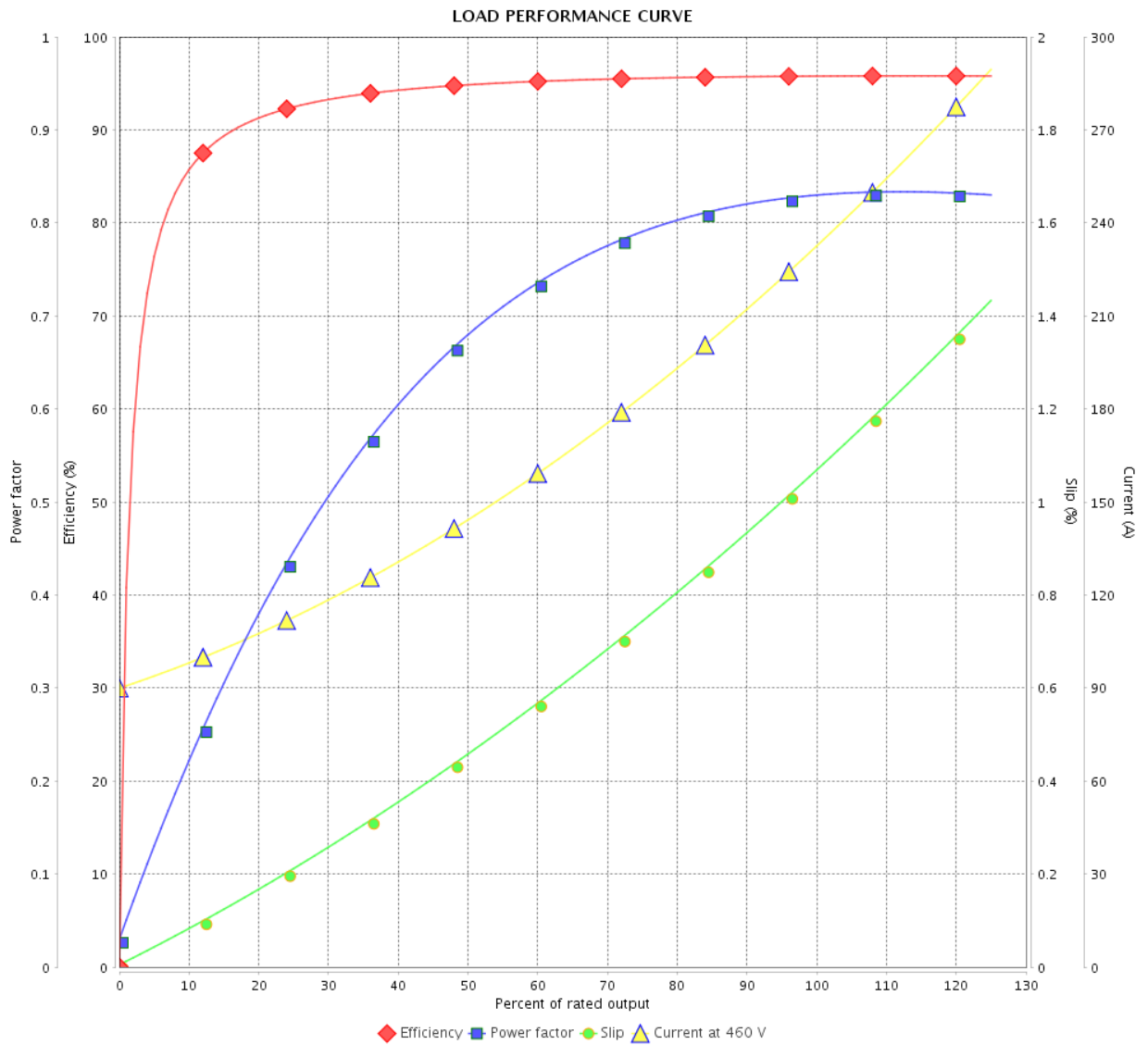


Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 460 V 60 Hz 6P

Rated current : 237 A  
 LRC : 6.6  
 Rated torque : 885 ft.lb  
 Locked rotor torque : 229 %  
 Breakdown torque : 240 %  
 Rated speed : 1187 rpm

Moment of inertia (J) : 145 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

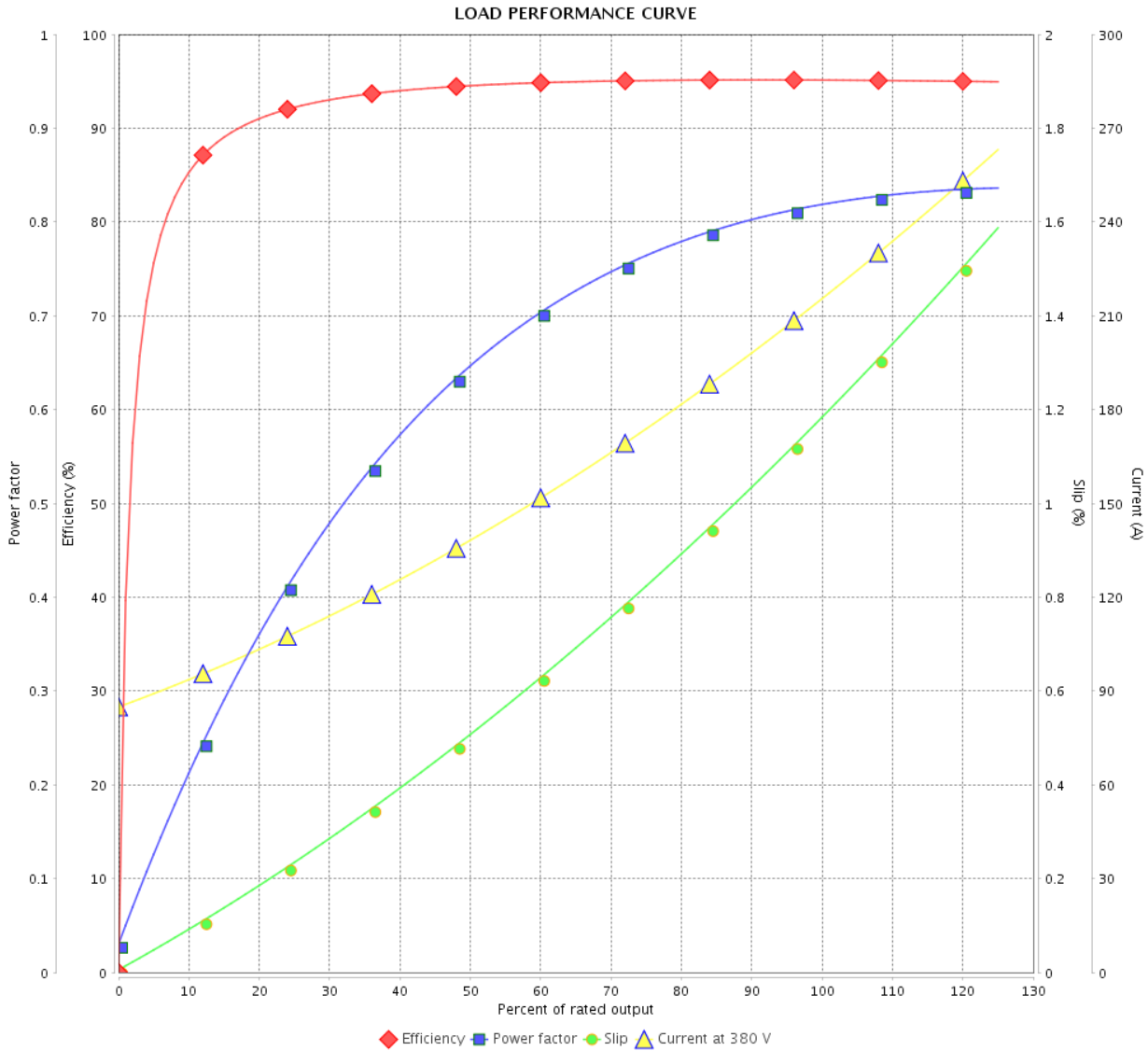


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 380 V 50 Hz 6P IE3

Rated current	: 214 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 797 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 988 rpm	Design	: B

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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

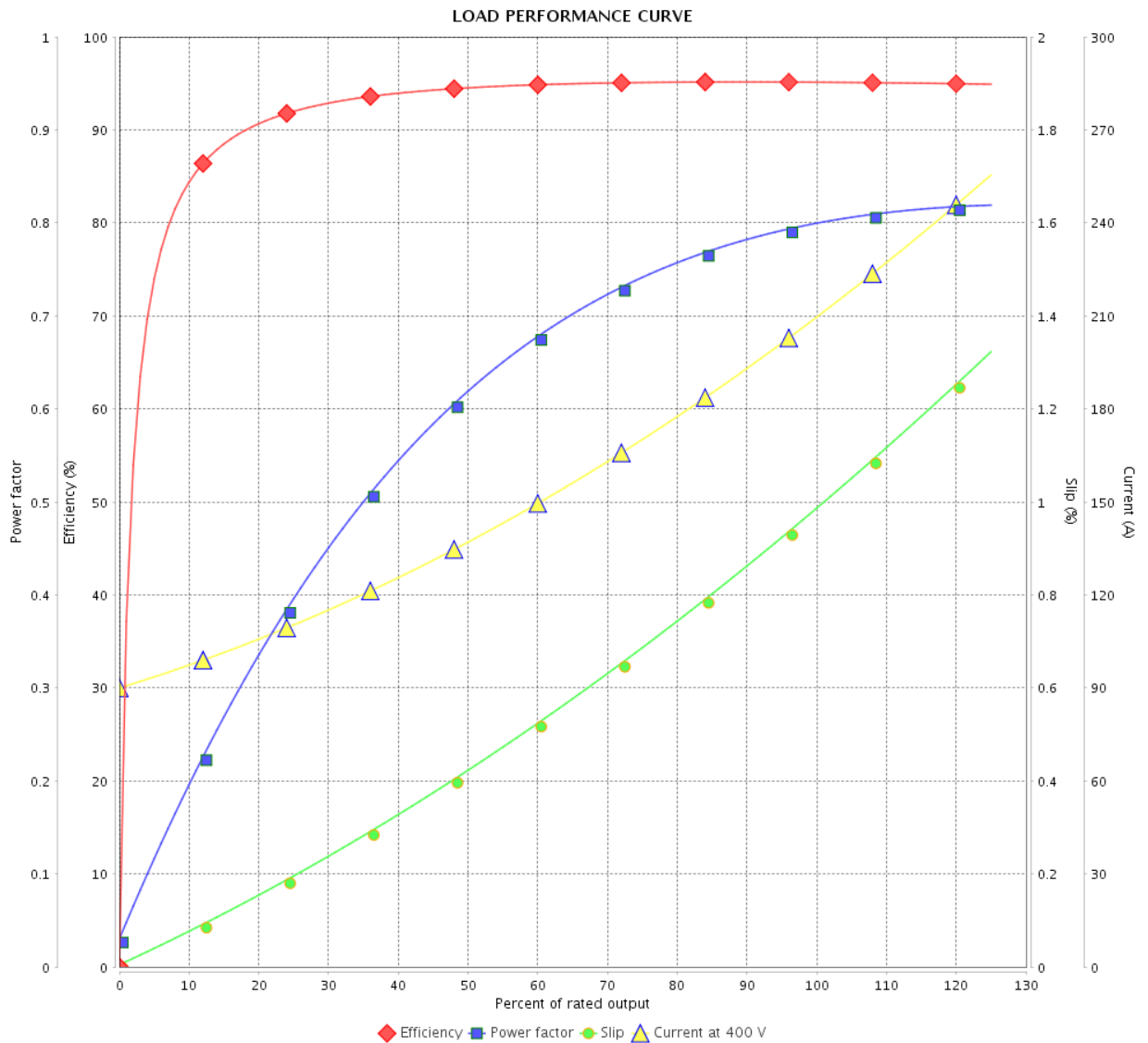


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Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 400 V 50 Hz 6P IE3

Rated current : 209 A  
 LRC : 7.2  
 Rated torque : 796 ft.lb  
 Locked rotor torque : 250 %  
 Breakdown torque : 280 %  
 Rated speed : 990 rpm

Moment of inertia (J) : 145 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

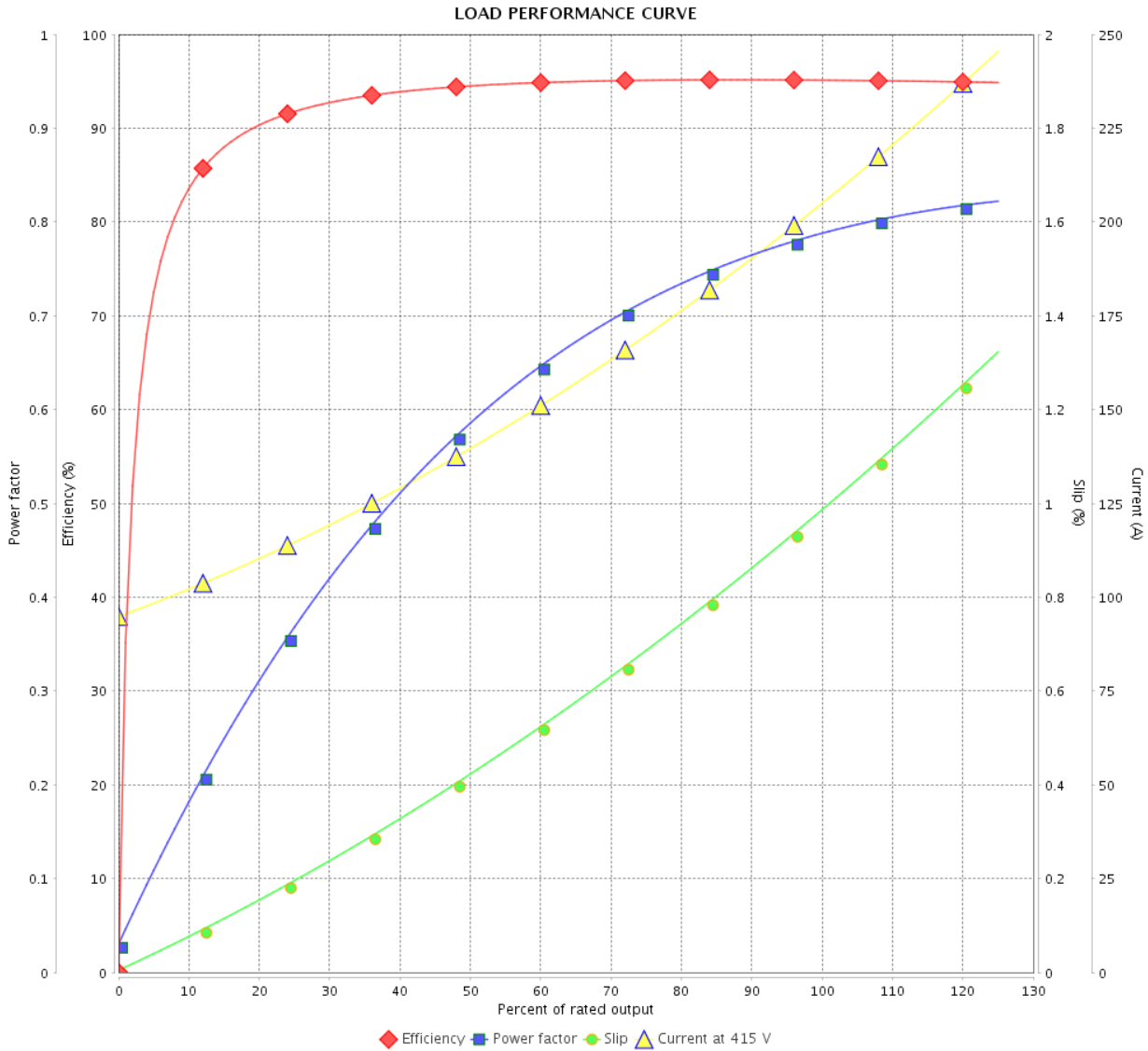


Customer :

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Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 415 V 50 Hz 6P IE3

Rated current : 204 A  
 LRC : 8.0  
 Rated torque : 796 ft.lb  
 Locked rotor torque : 270 %  
 Breakdown torque : 310 %  
 Rated speed : 990 rpm

Moment of inertia (J) : 145 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

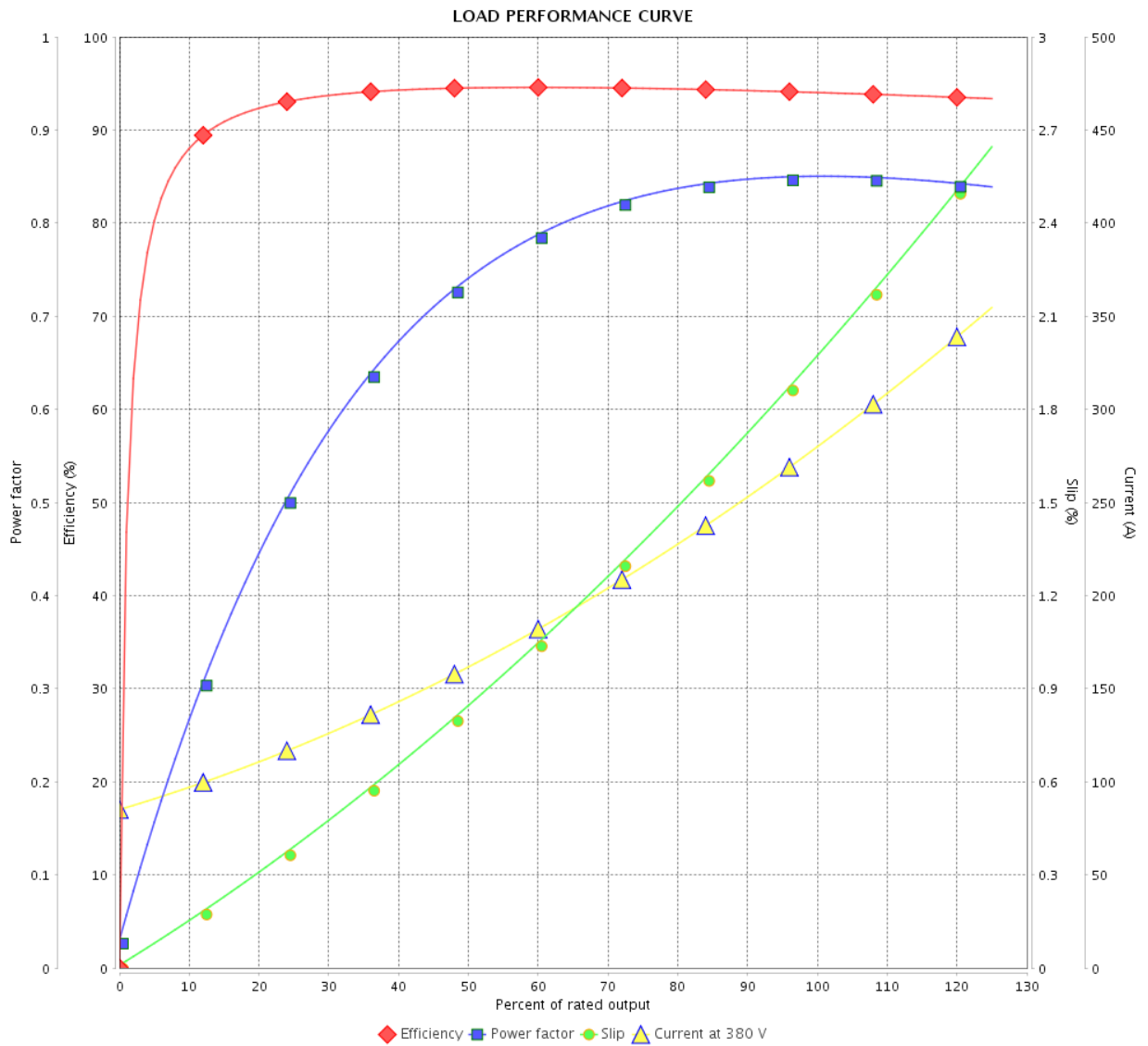


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 380 V 50 Hz 6P IE1

Rated current : 285 A  
 LRC : 5.2  
 Rated torque : 1070 ft.lb  
 Locked rotor torque : 180 %  
 Breakdown torque : 190 %  
 Rated speed : 980 rpm

Moment of inertia (J) : 145 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 105 K  
 Design : B

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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

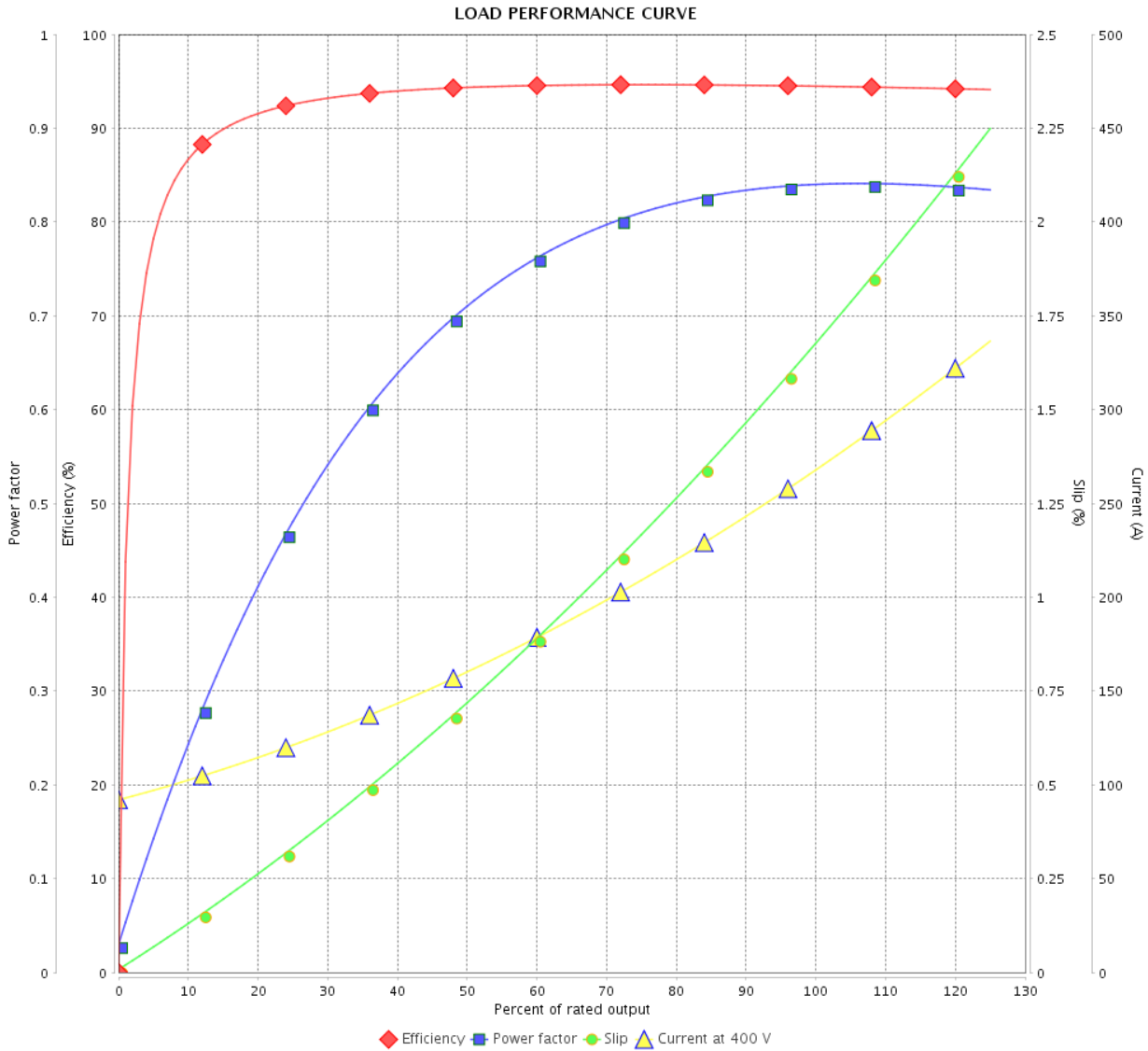


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 400 V 50 Hz 6P IE1

Rated current : 273 A  
 LRC : 6.0  
 Rated torque : 1070 ft.lb  
 Locked rotor torque : 200 %  
 Breakdown torque : 210 %  
 Rated speed : 983 rpm

Moment of inertia (J) : 145 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 105 K  
 Design : B

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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

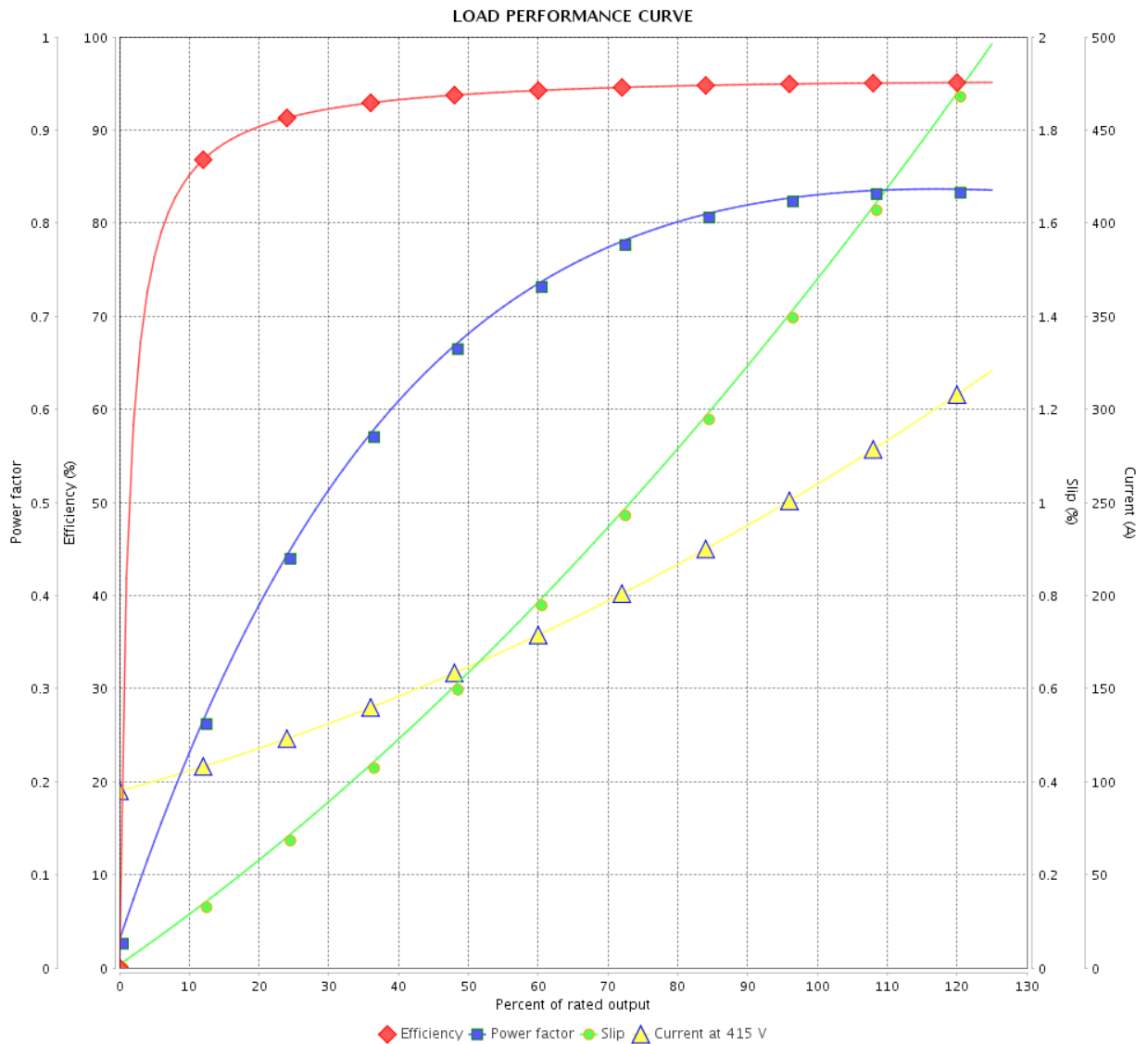


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 415 V 50 Hz 6P IE2

Rated current : 265 A  
 LRC : 6.6  
 Rated torque : 1070 ft.lb  
 Locked rotor torque : 220 %  
 Breakdown torque : 229 %  
 Rated speed : 985 rpm

Moment of inertia (J) : 145 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 105 K  
 Design : B

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# THERMAL LIMIT CURVE



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase  
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Performance : 460 V 60 Hz 6P

Rated current	: 237 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 885 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 1187 rpm	Design	: B

Heating constant

Cooling constant

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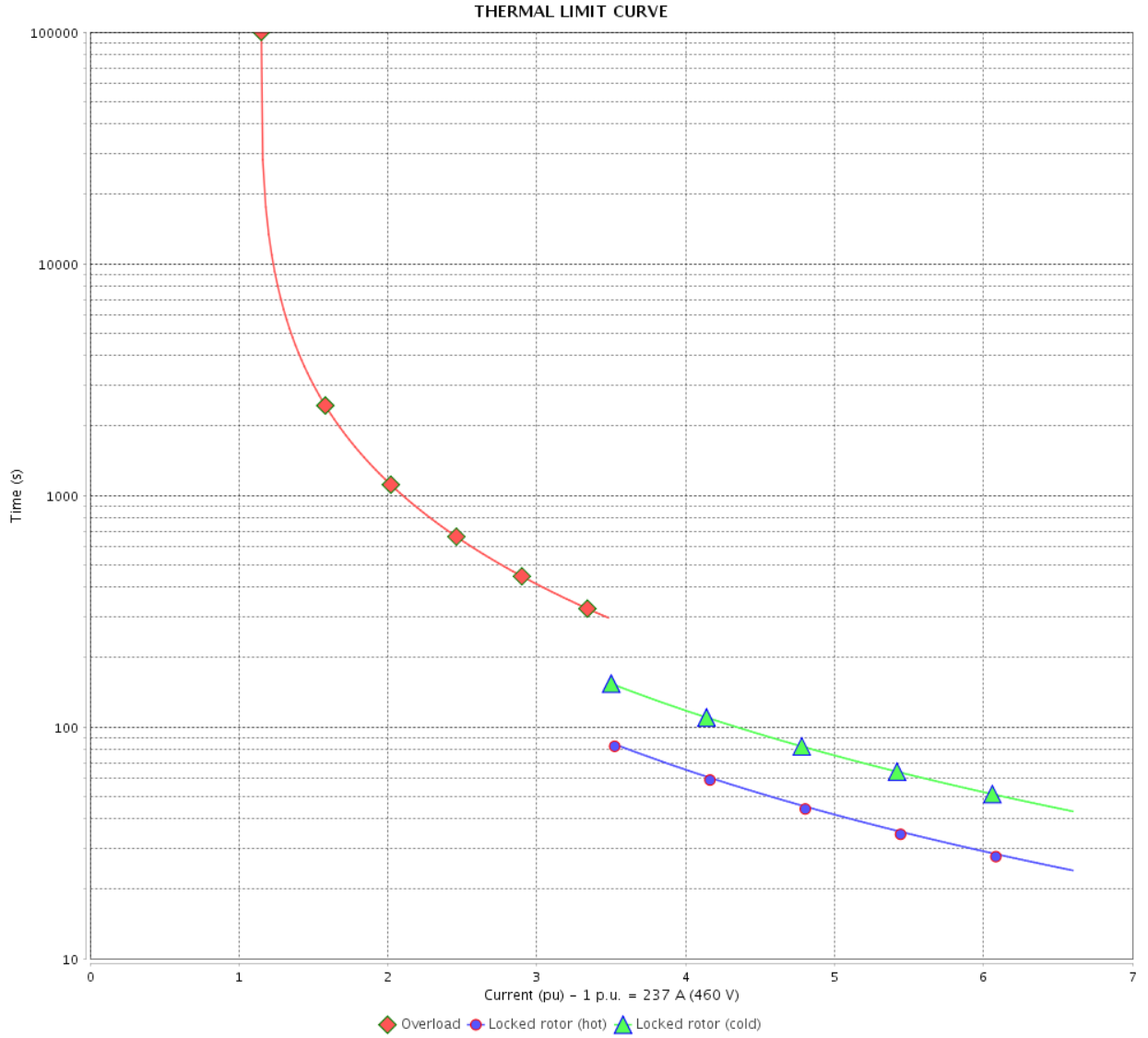


# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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# THERMAL LIMIT CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

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Product code : 11493490  
Catalog # : 20012ET3GRB449T-W22

Performance : 380 V 50 Hz 6P IE3

Rated current	: 214 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 797 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 988 rpm	Design	: B

Heating constant

Cooling constant

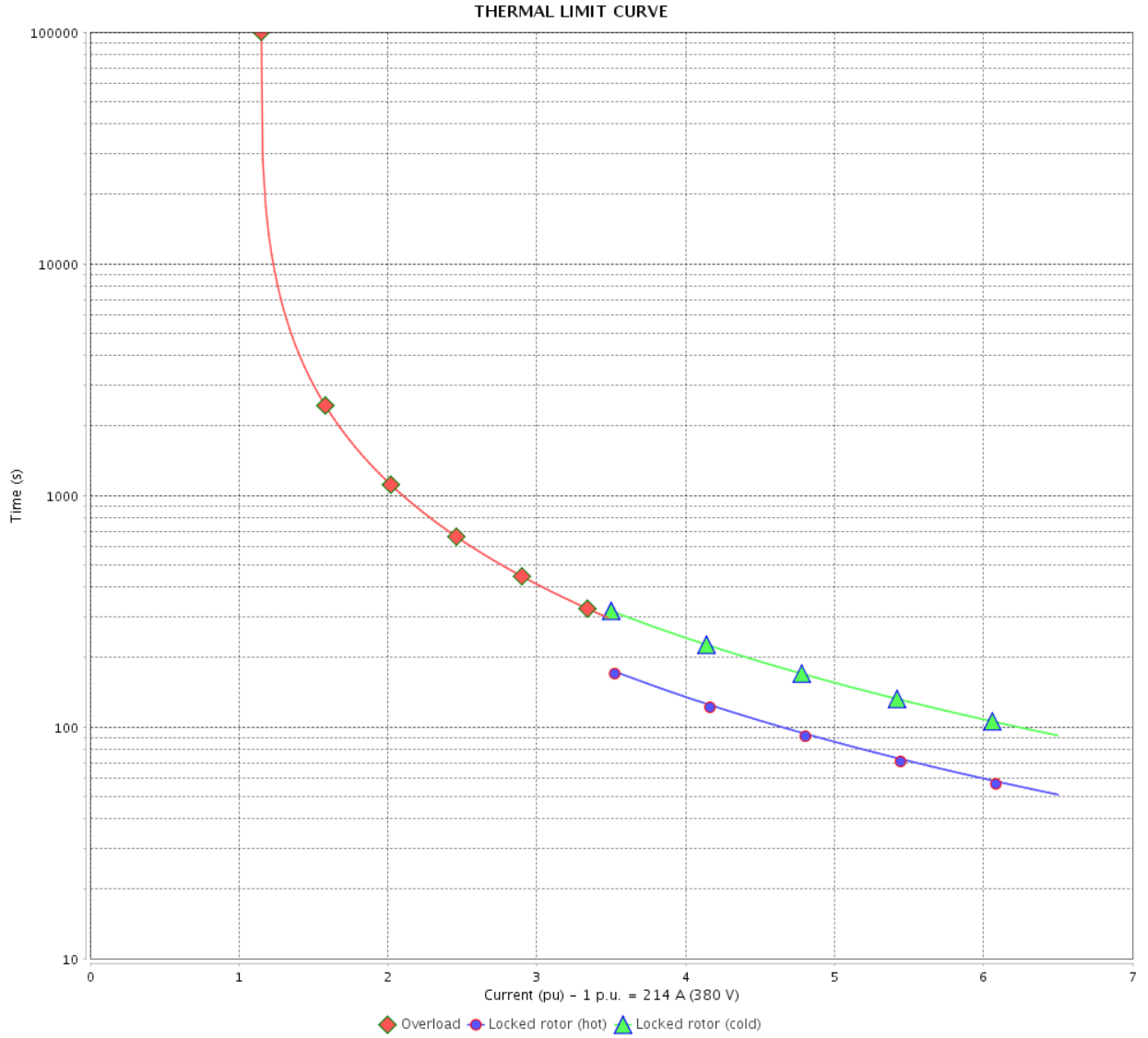
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Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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# THERMAL LIMIT CURVE

## Three Phase Induction Motor - Squirrel Cage



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Catalog # : 20012ET3GRB449T-W22

Performance : 400 V 50 Hz 6P IE3

Rated current	: 209 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 796 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 990 rpm	Design	: B

Heating constant

Cooling constant

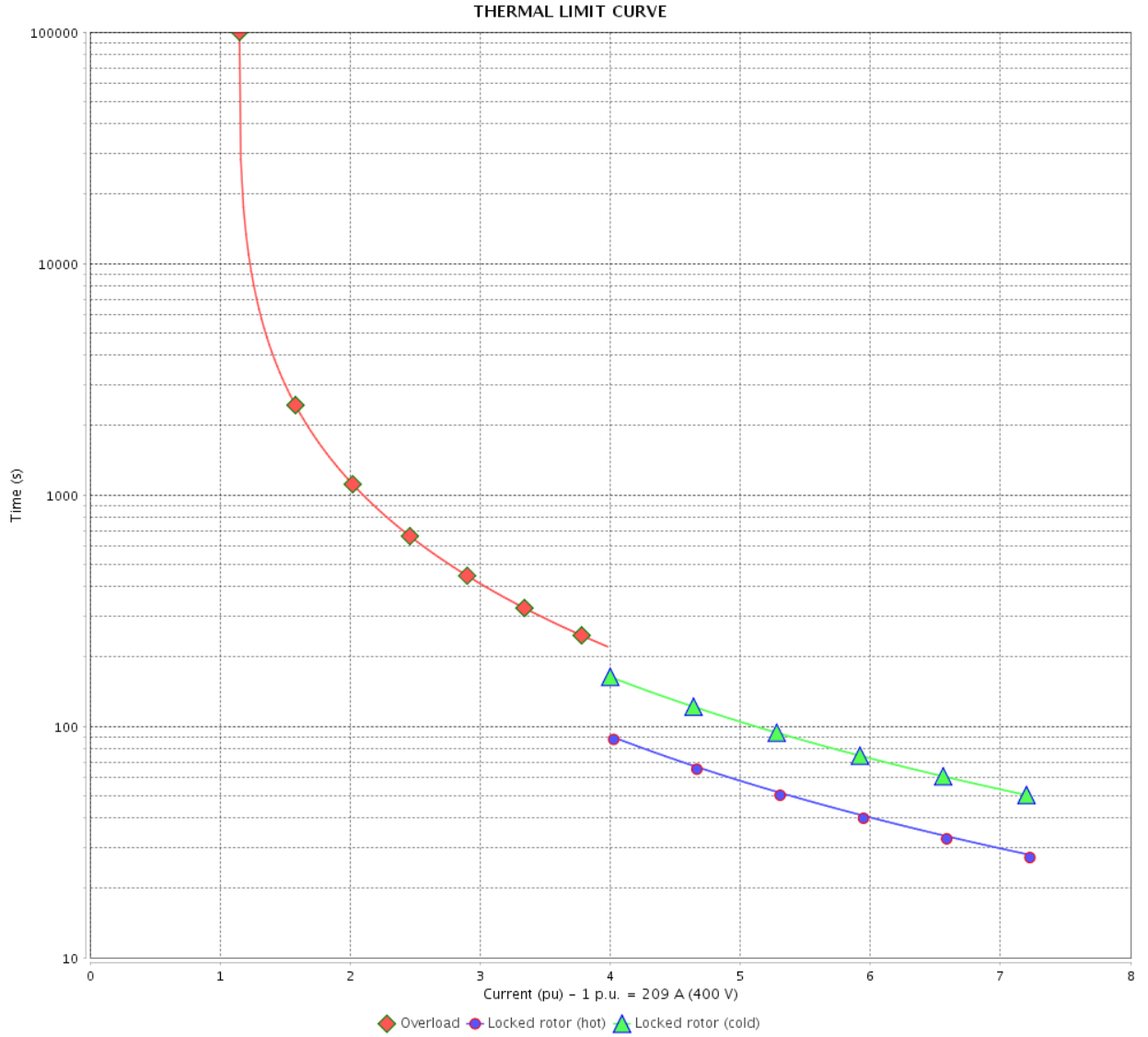
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# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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Rated current	: 204 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 8.0	Duty cycle	: Cont.(S1)
Rated torque	: 796 ft.lb	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 990 rpm	Design	: B

Heating constant

Cooling constant

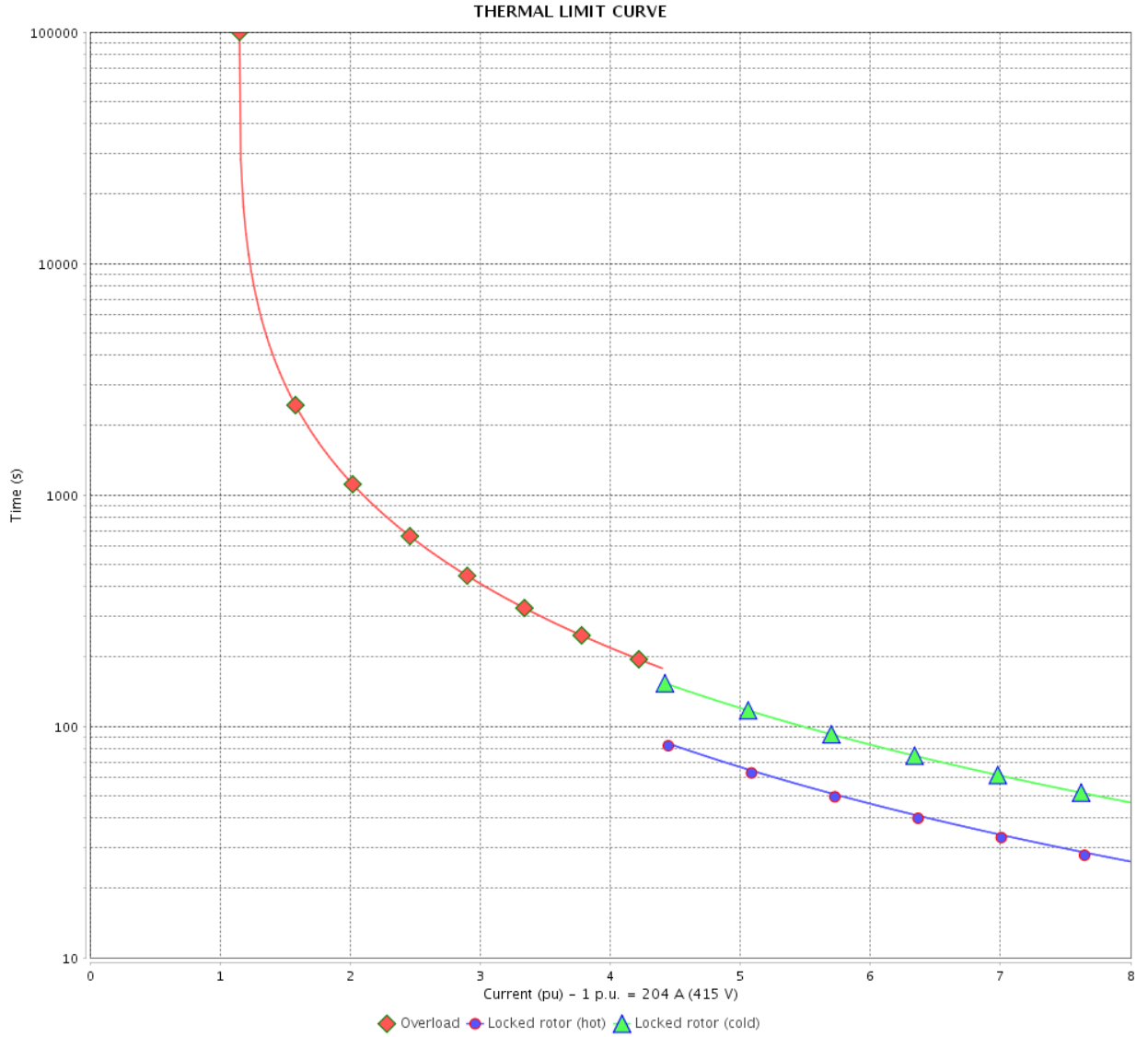
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# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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Performance : 380 V 50 Hz 6P IE1

Rated current	: 285 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 5.2	Duty cycle	: Cont.(S1)
Rated torque	: 1070 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 190 %	Temperature rise	: 105 K
Rated speed	: 980 rpm	Design	: B

Heating constant

Cooling constant

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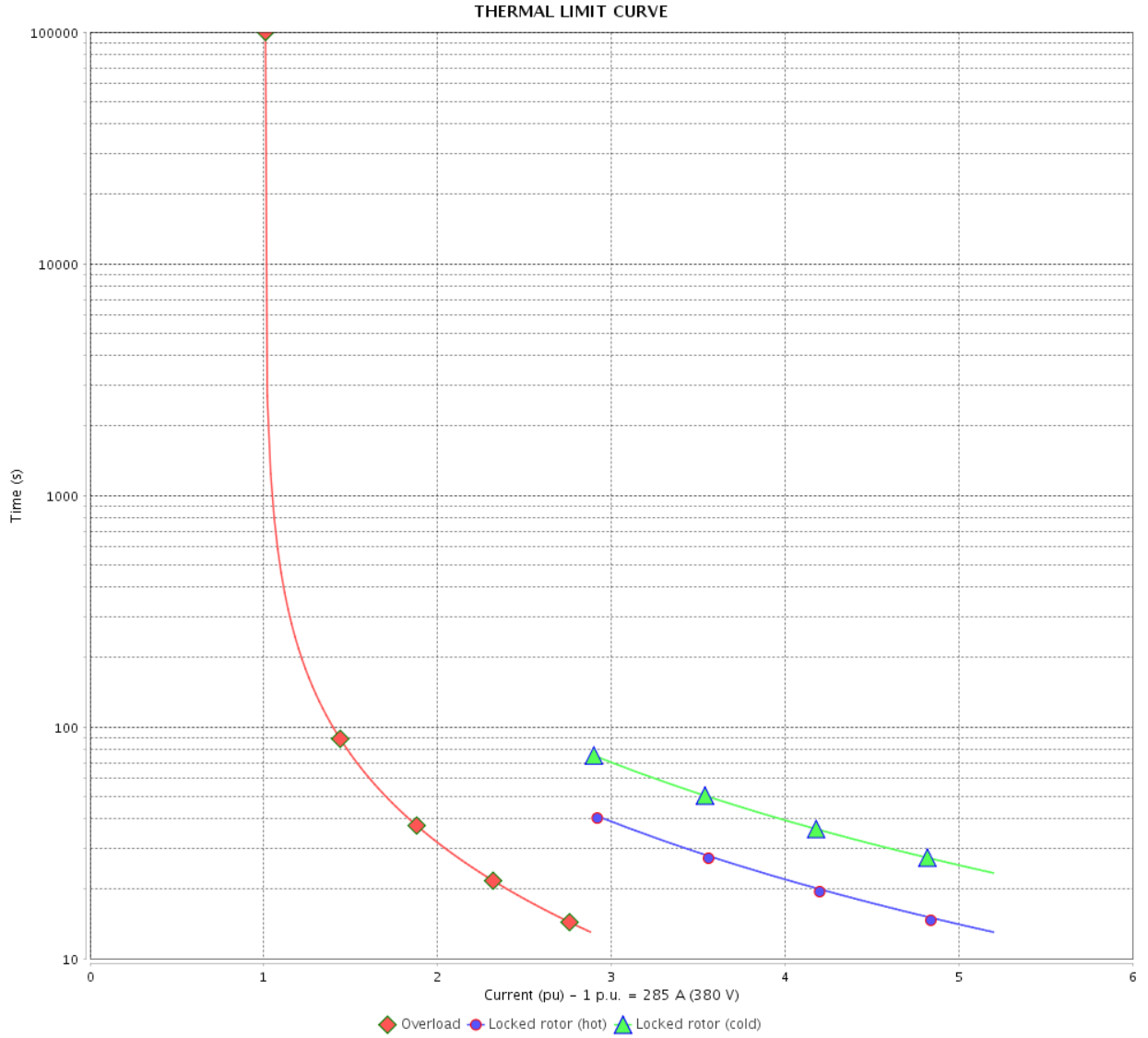


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Rated current	: 273 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 1070 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 210 %	Temperature rise	: 105 K
Rated speed	: 983 rpm	Design	: B

Heating constant

Cooling constant

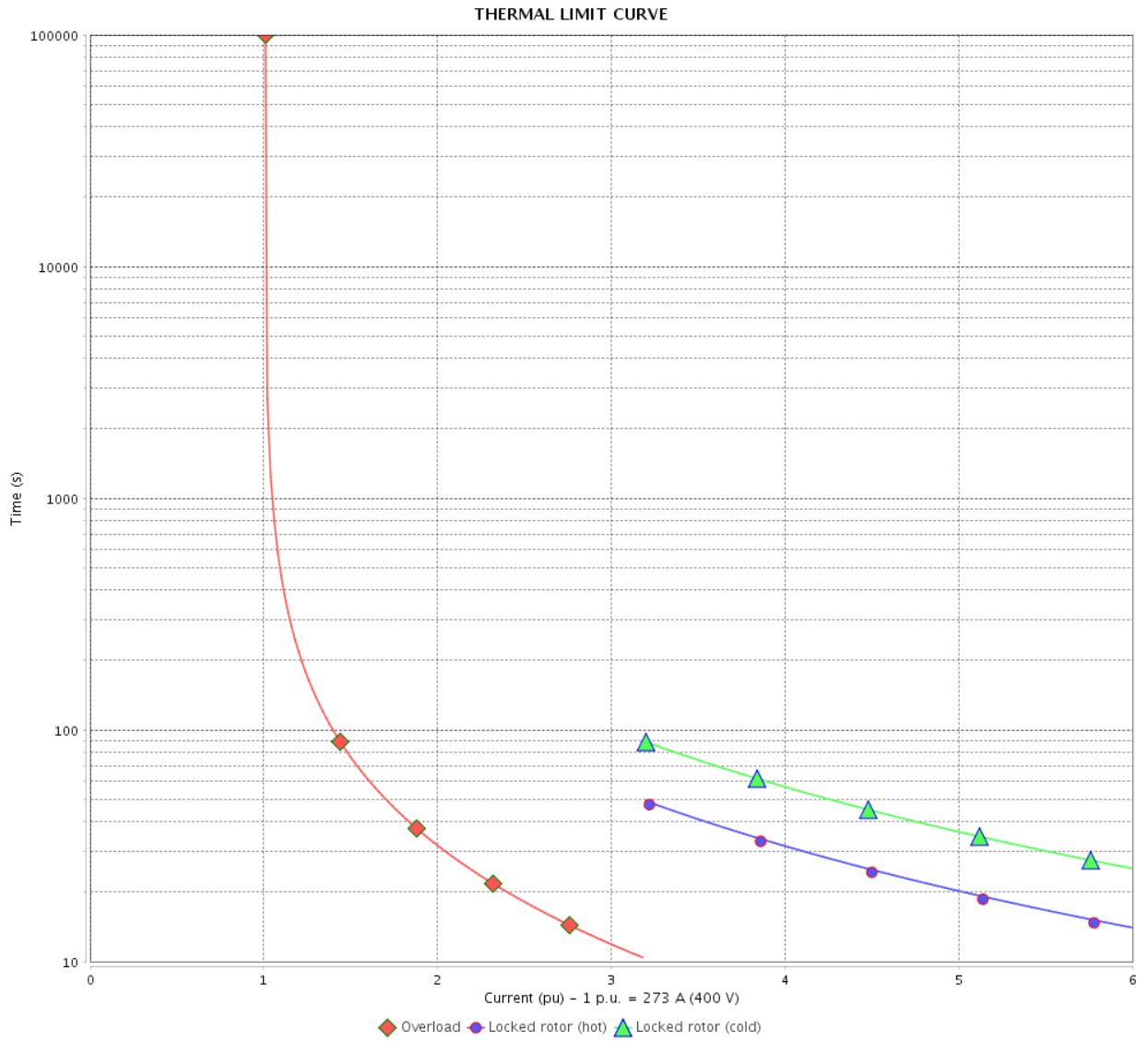
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	14/04/2022		26 / 36	

# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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Performed by				
Checked by				
Date				
			Page	Revision
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# THERMAL LIMIT CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase  
Product code : 11493490  
Catalog # : 20012ET3GRB449T-W22

Performance : 415 V 50 Hz 6P IE2

Rated current	: 265 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 1070 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 229 %	Temperature rise	: 105 K
Rated speed	: 985 rpm	Design	: B

Heating constant

Cooling constant

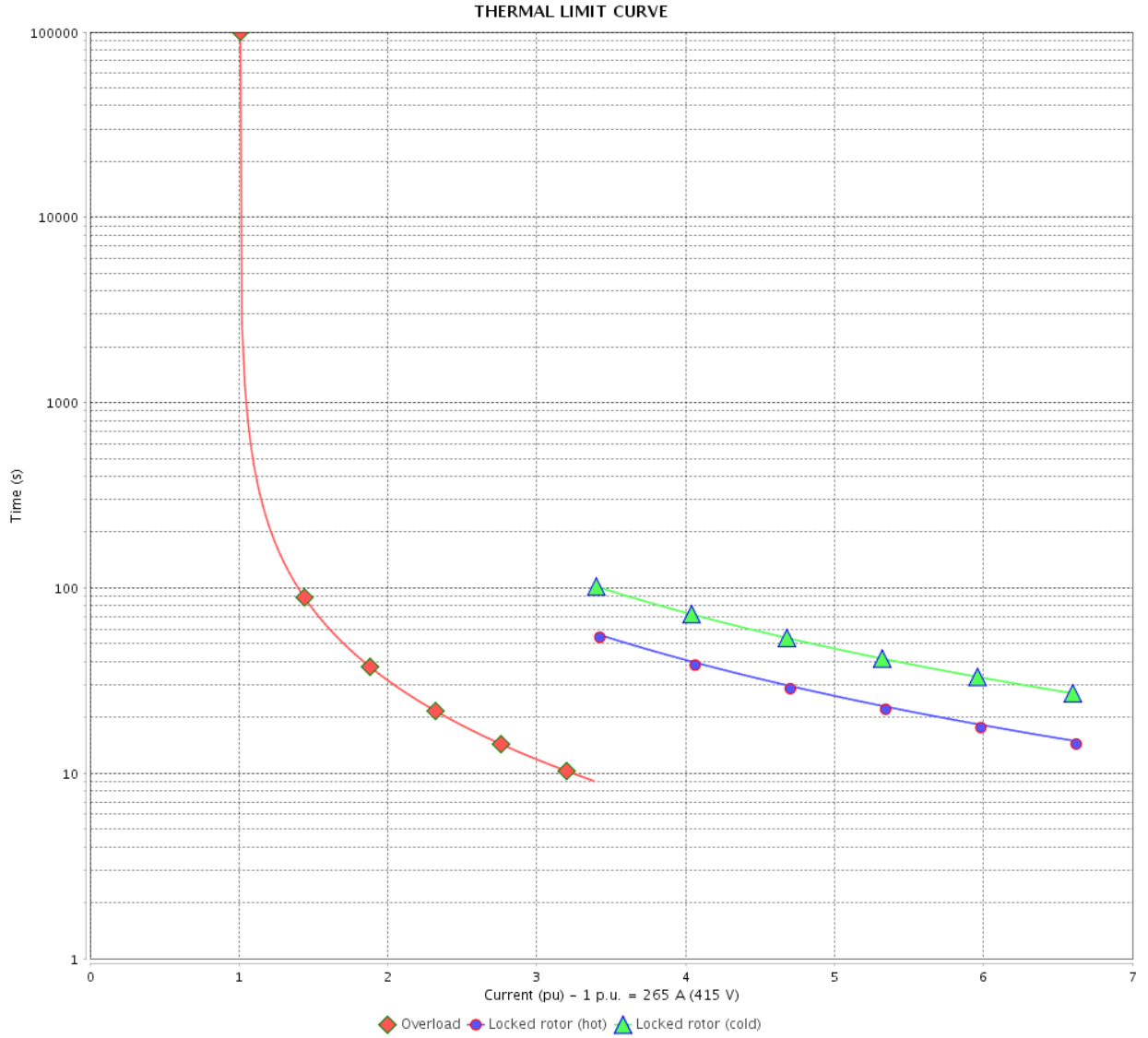
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	14/04/2022		Page 28 / 36	Revision

# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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Date		14/04/2022		

# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

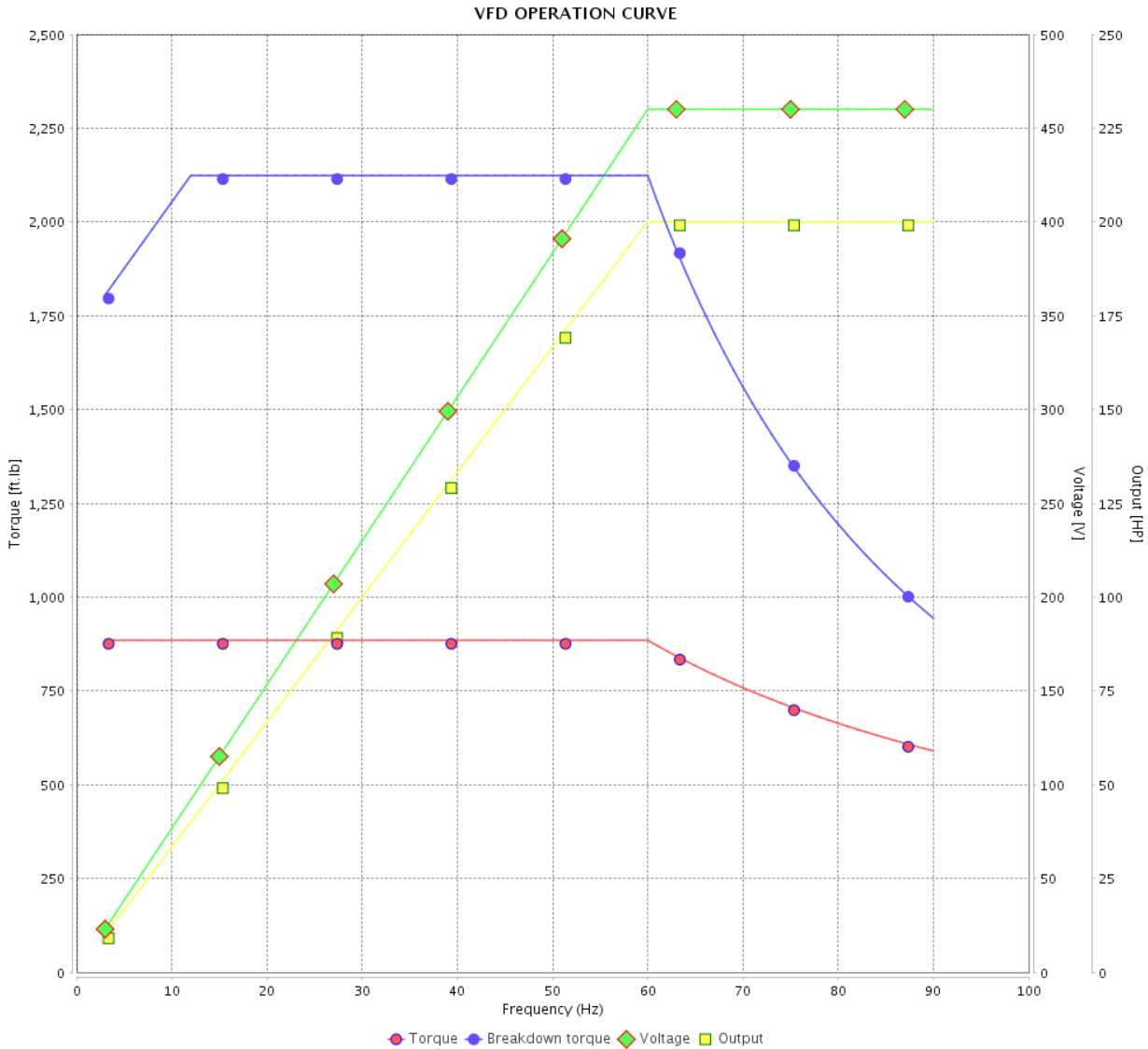


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 460 V 60 Hz 6P

Rated current	: 237 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 885 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 1187 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				

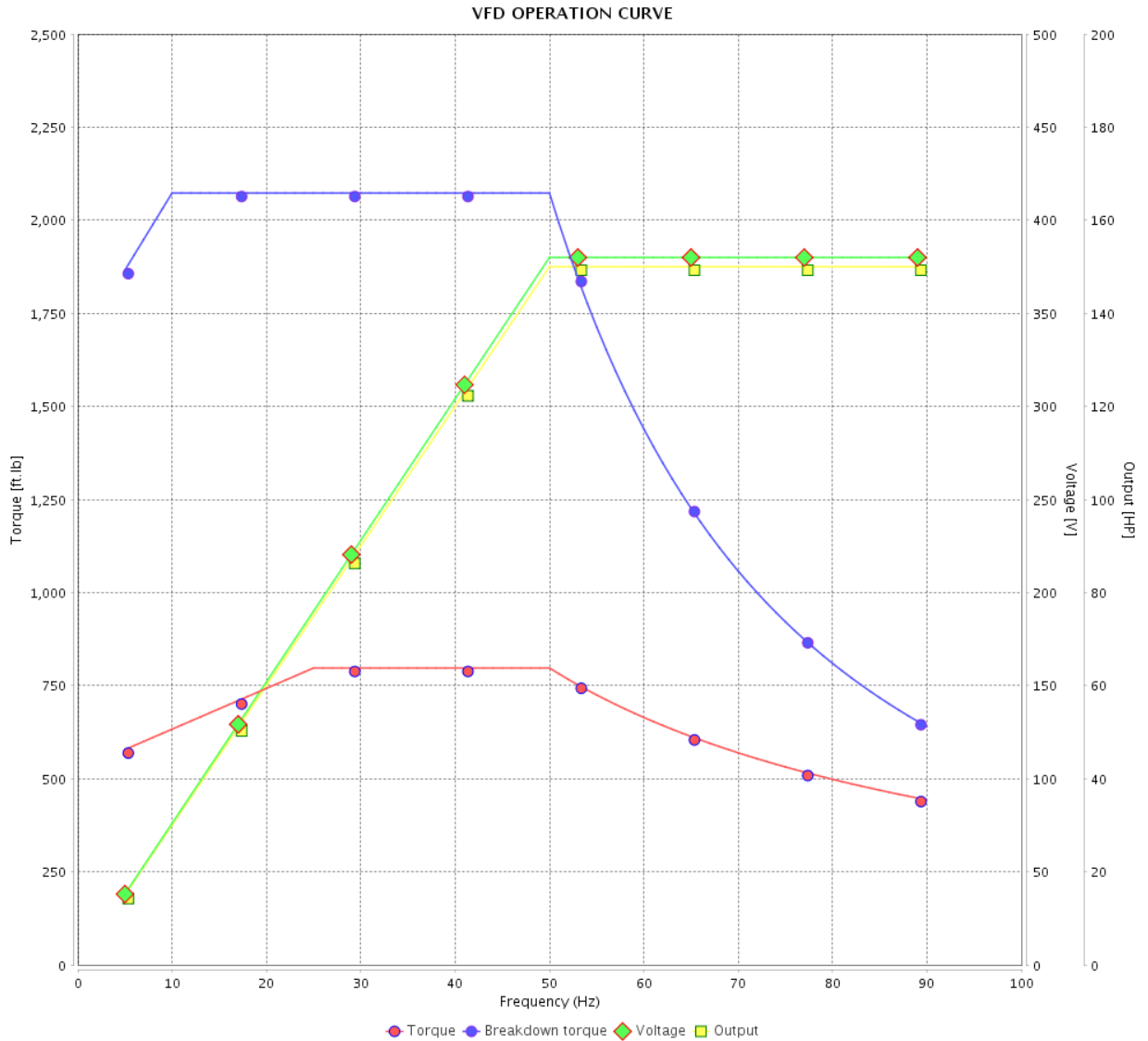
# VFD OPERATION CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase      Product code : 11493490  
 Catalog # : 20012ET3GRB449T-W22



Performance : 380 V 50 Hz 6P IE3

Rated current	: 214 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 797 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 988 rpm	Design	: B

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Date	14/04/2022			

# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



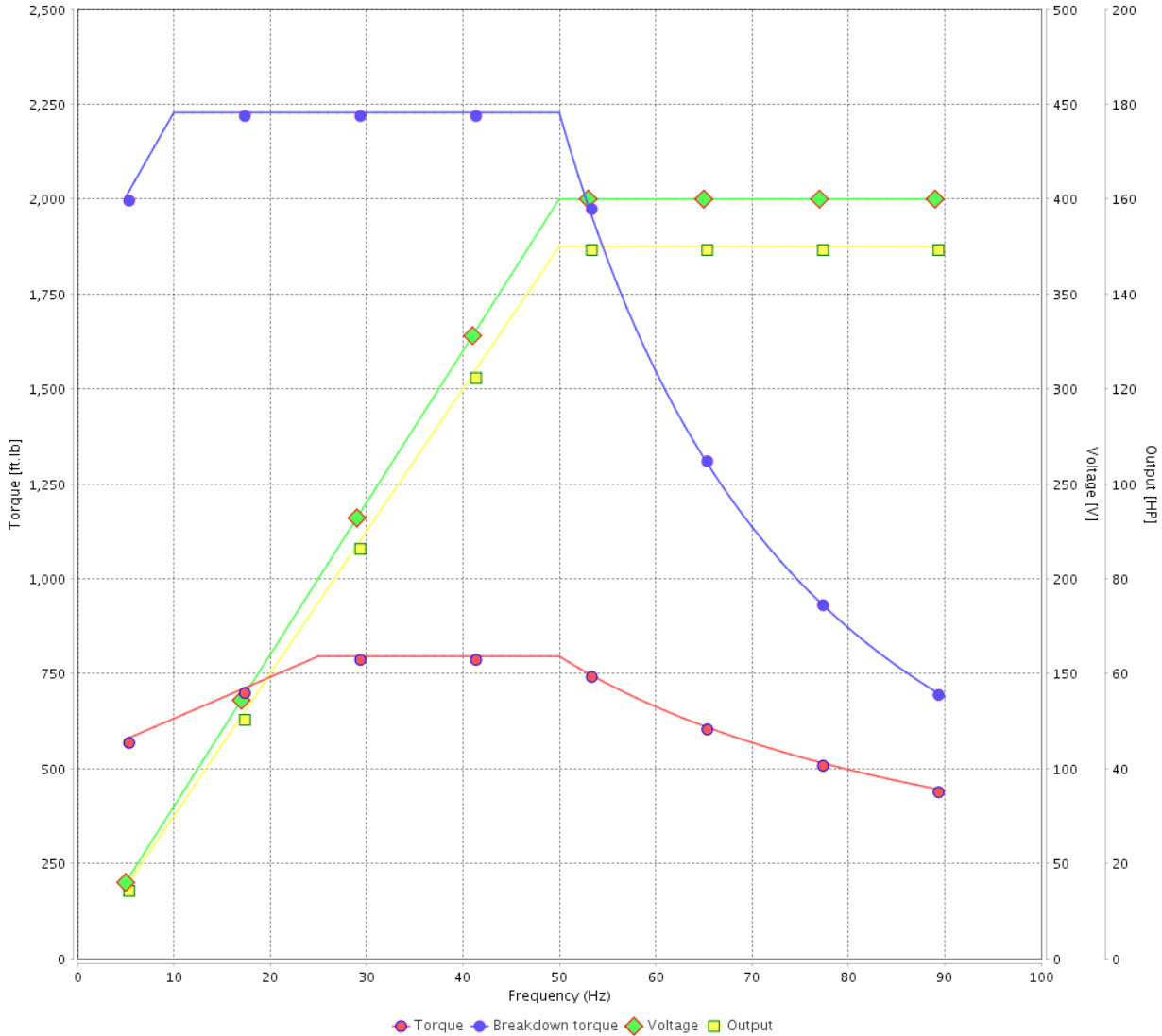
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22

VFD OPERATION CURVE



Performance : 400 V 50 Hz 6P IE3

Rated current	: 209 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 796 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 990 rpm	Design	: B

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Date	14/04/2022			



# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

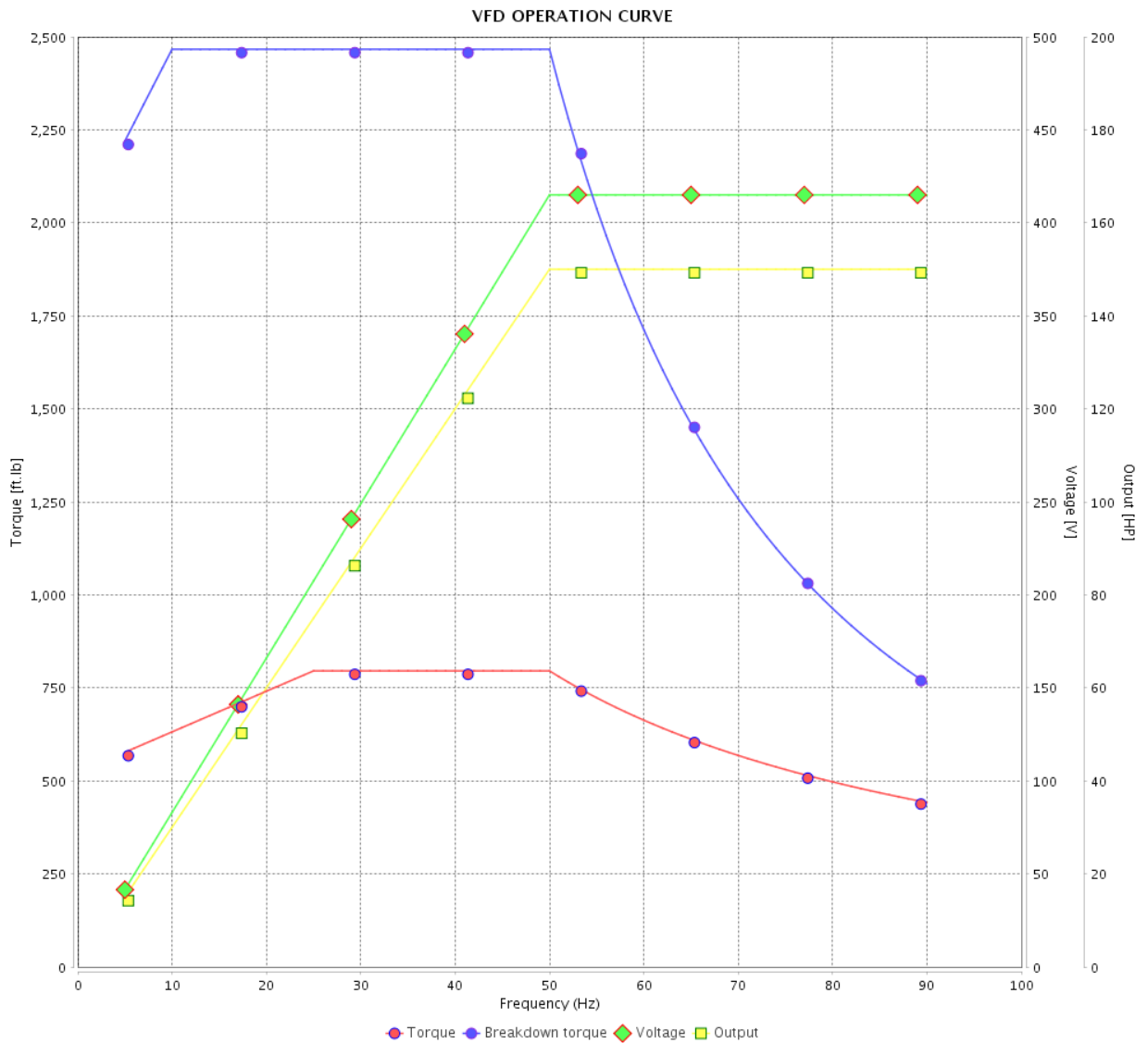


Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 415 V 50 Hz 6P IE3

Rated current : 204 A  
 LRC : 8.0  
 Rated torque : 796 ft.lb  
 Locked rotor torque : 270 %  
 Breakdown torque : 310 %  
 Rated speed : 990 rpm

Moment of inertia (J) : 145 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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Performed by			Page 33 / 36	Revision
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Date	14/04/2022			

# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



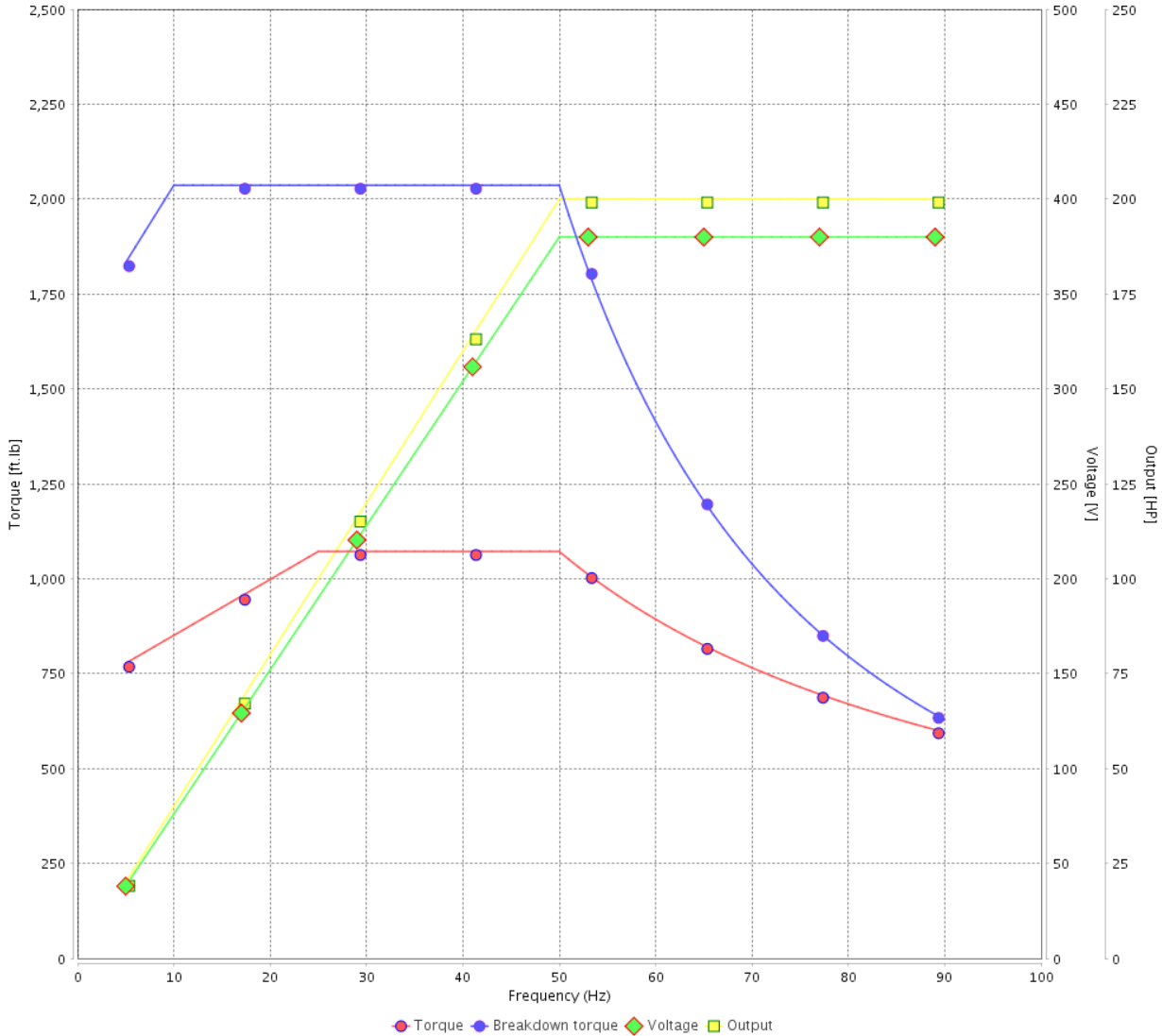
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22

VFD OPERATION CURVE



Performance : 380 V 50 Hz 6P IE1

Rated current	: 285 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 5.2	Duty cycle	: Cont.(S1)
Rated torque	: 1070 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 190 %	Temperature rise	: 105 K
Rated speed	: 980 rpm	Design	: B

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# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

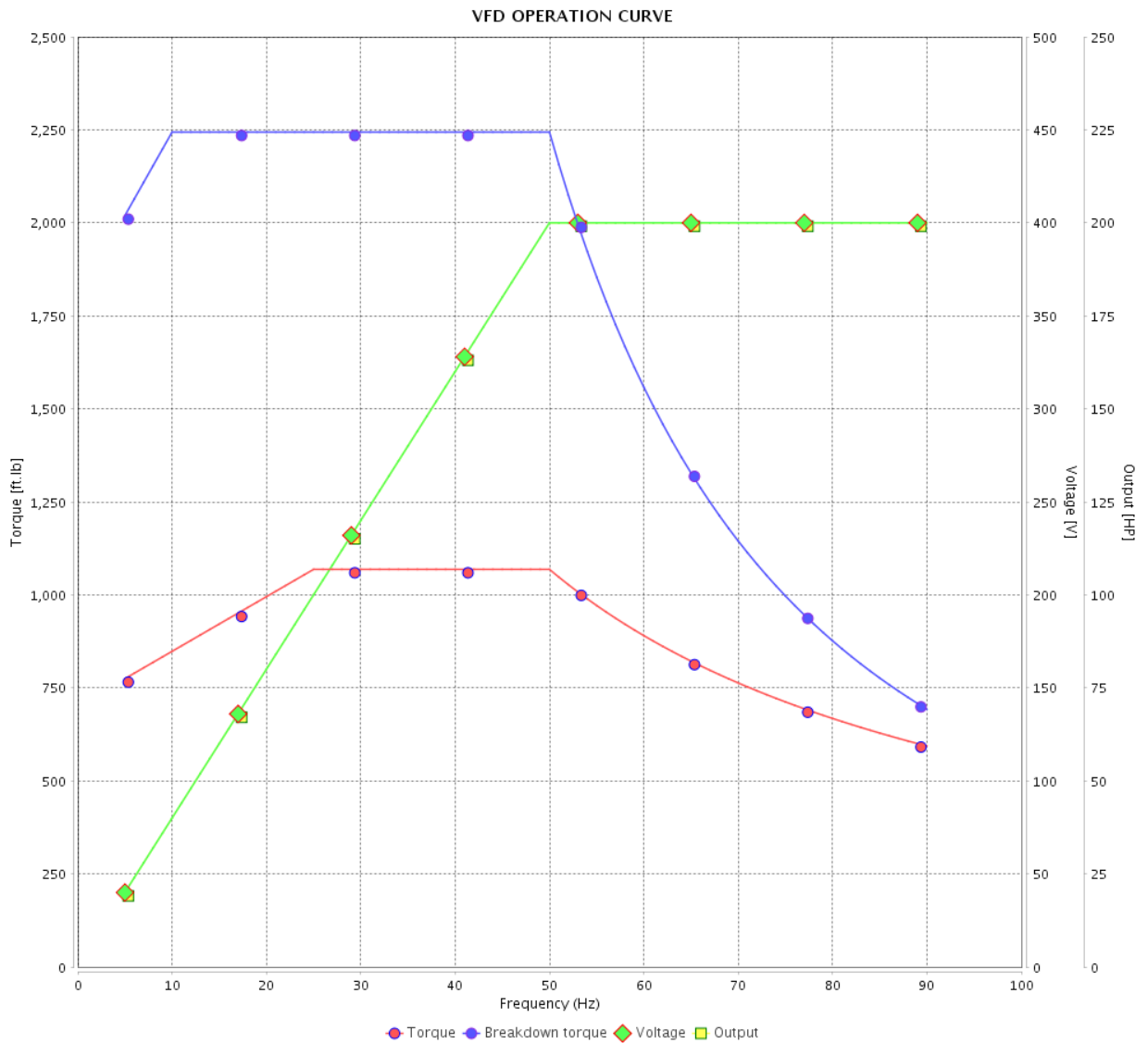


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 400 V 50 Hz 6P IE1

Rated current : 273 A  
 LRC : 6.0  
 Rated torque : 1070 ft.lb  
 Locked rotor torque : 200 %  
 Breakdown torque : 210 %  
 Rated speed : 983 rpm

Moment of inertia (J) : 145 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 105 K  
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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Date	14/04/2022			
				Revision

# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

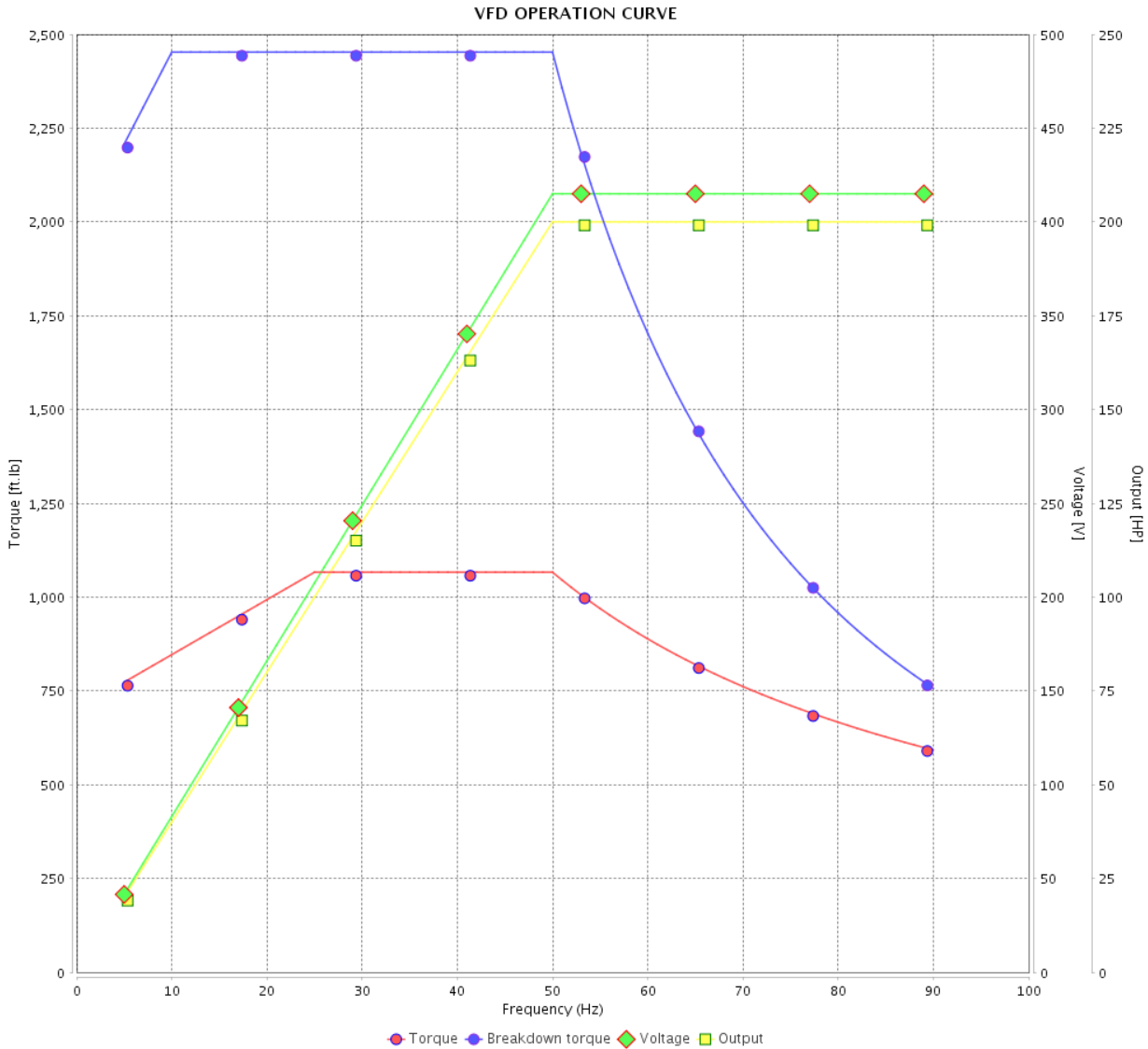


Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11493490

Catalog # : 20012ET3GRB449T-W22



Performance : 415 V 50 Hz 6P IE2

Rated current	: 265 A	Moment of inertia (J)	: 145 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 1070 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 229 %	Temperature rise	: 105 K
Rated speed	: 985 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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Date	14/04/2022			

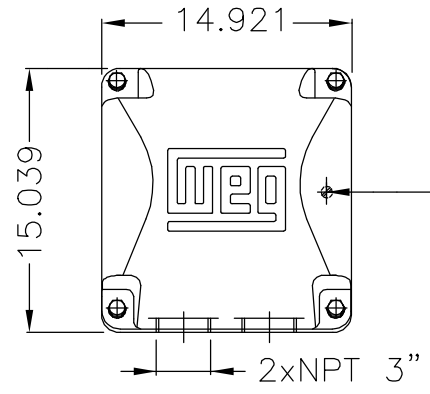
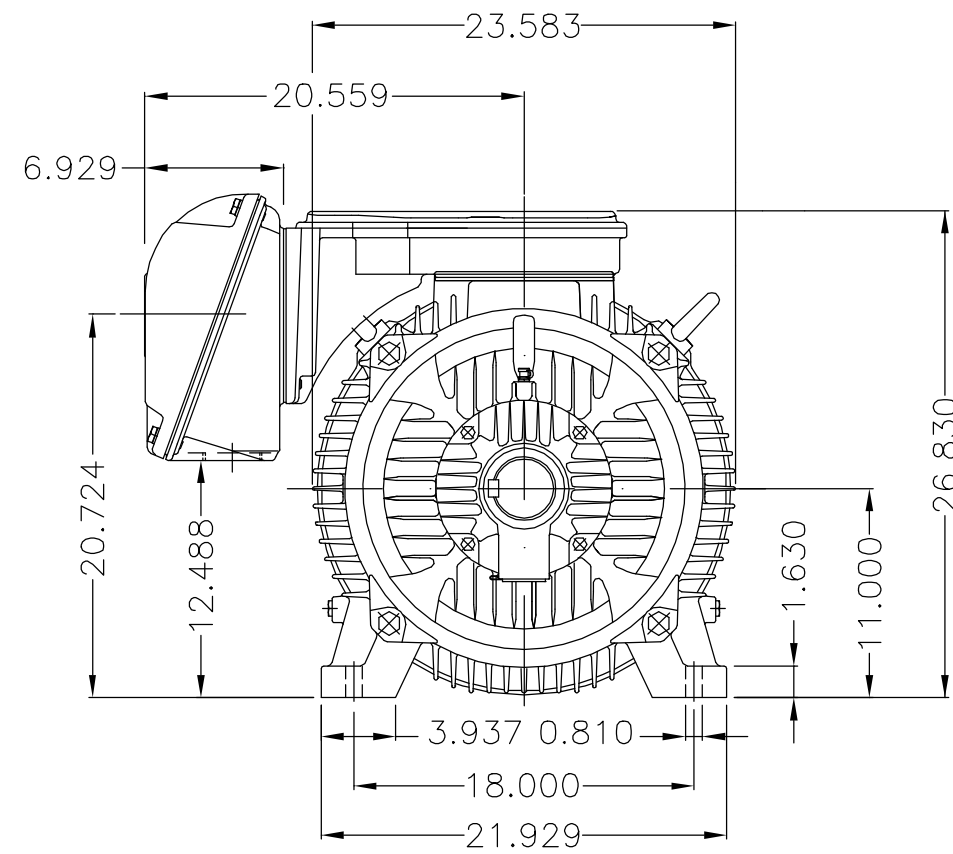
EIXO/SHAFT	
PADRÃO/STANDARD	X
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	

Dimensões em polegada  
Dimensions in inches

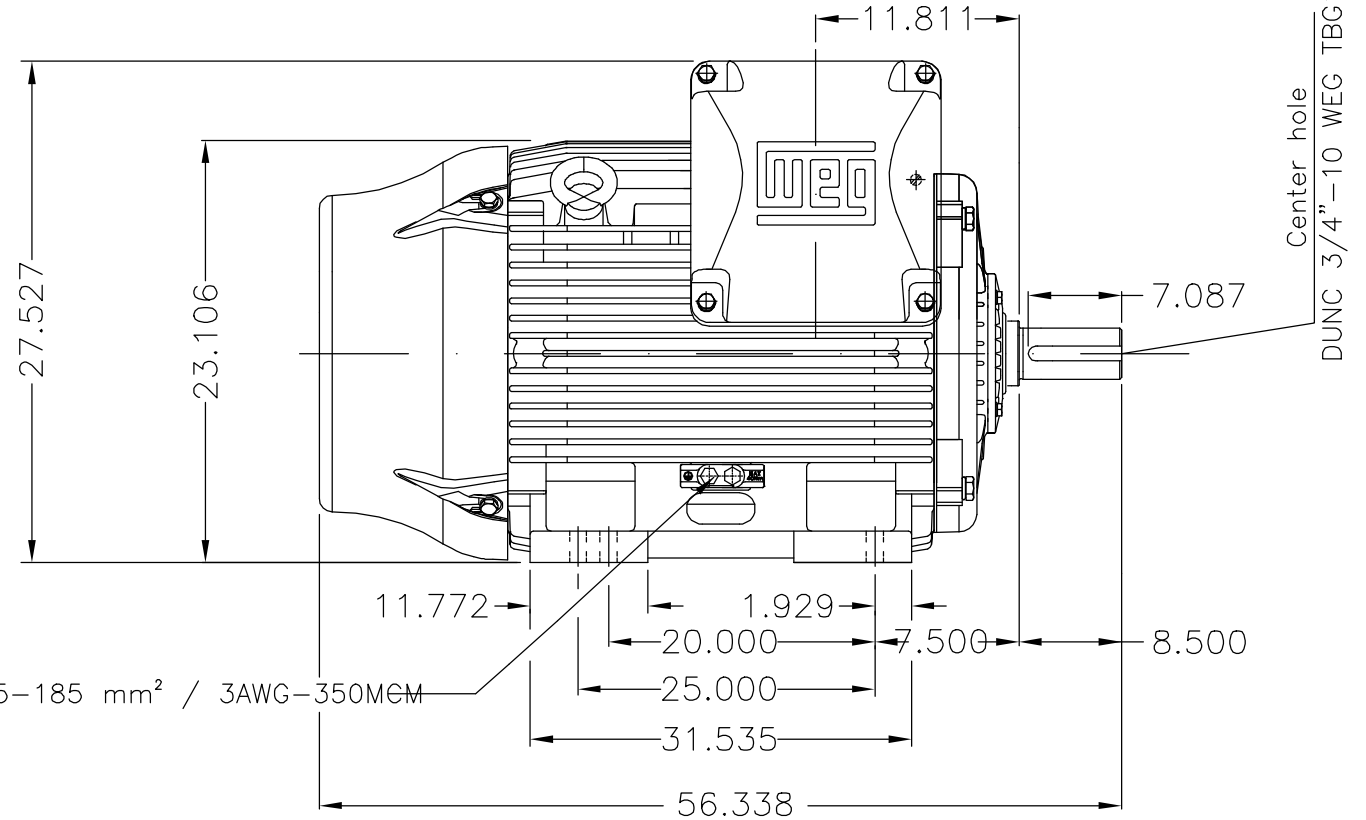
**CERTIFIED WEG MOTORES**  
Certified document.  
Not subject to changes.

THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.

A  
B  
C  
D  
E

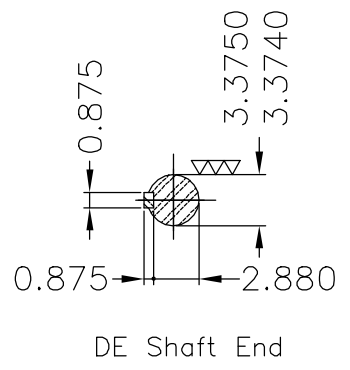
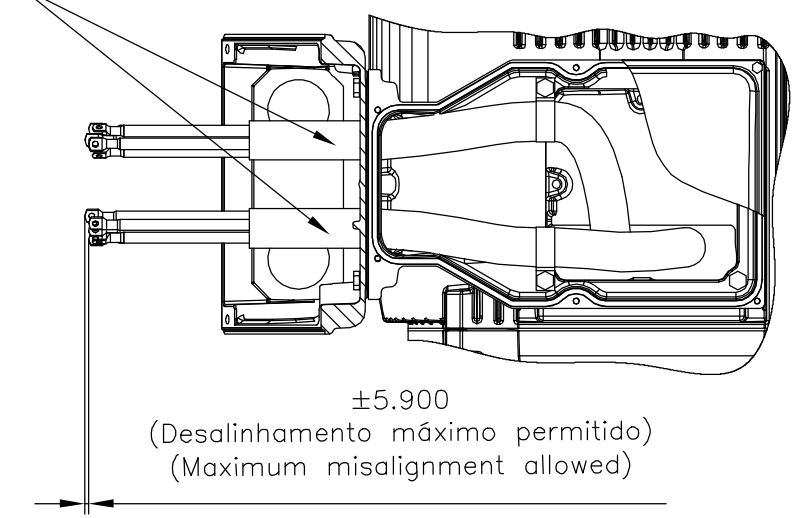


Main terminal box



Grounding for leads 25-185 mm<sup>2</sup> / 3AWG-350MEM

Fixar o conduíte no suporte com abraçadeiras.  
Fasten the conduit on support with cables ties.



DE Shaft End

Linha do motor: Crusher Duty / Motor purpose: Crusher Duty	
Conduíte para cabos no interior do suporte da caixa de ligação Cables conduit inside terminal box support	
Rolamento dianteiro de rolos / DE roller bearing	
Dispositivo de travamento de eixo / Shaft locking device	
Cor RAL 5009 / Color RAL 5009	
Plano de pintura 203A / Painting plan 203A	
Forma construtiva NEMA F-1 / Mounting NEMA F-1	
Forma construtiva B3D / Mounting B3R(D)	
<b>WEG ELECTRIC CORPORATION - WEG</b>	

500001474636	DOCUMENTO NOVO	DCARDOSO	SAORIN	SAORIN	09.07.2018	00
ECM ECM	LOC LOC	RESUMO MODIFICAÇÃO SUMMARY OF MODIFICATIONS	EXECUTADO EXECUTED	VERIFICADO CHECKED	LIBERADO RELEASED	DATA DATE
EXEC. /EXECUTED	DCARDOSO	THREE PHASE W22 MOTOR - NEMA PREMIUM EFF	10005881684			
VERIF. /CHECKED	SAORIN	FRAME 447/9T IP55 TEFC	000   00			
LIBER. /RELEASED	SAORIN					
DATA LB /REL DT	09.07.2018	WMO Jaraguá do Sul				

200 HP	06 Poles	60Hz	414668751	B
250 HP	04 Poles	60Hz	414658029	A

UNCONTROLLED COPY RELEASED ZME A3

MADE IN MEXICO  
11493490



FOR SAFE AREA  
Mod.TE1BFOXON  
CC029A

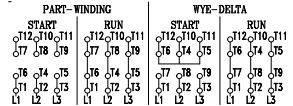


Class I, Div 2, Gr A, B, C and D - T3  
Class I, Zone 2, IIC - T3  
Class II, Div 2, Gr F and G - T3C  
For use on PWM: Gr. A, B, C, D and F,  
VT 1000:1, CT 20:1, 1.00SF - T3

MODEL 20012ET3GRB449T-W22

Inverter Duty Motor  
Severe Duty

PH3	60Hz	Fr. 447/9T	1000m.a.s.l.	IP55	TEFC	2851lb
V 460				A 237		
HP 200				kW 150		
SF 1.15				SFA 273		
RPM 1187				PF 0.83		
AMB 40°C				INS cl. F DT80K	NEMA NOM EFF 95.8%	
DUTY CONT.				DES B Code G		



- NU-322-C3 (60g)
- 6319-C3 (45g)

MOBIL POLYREX EM (7000h)