

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer								
Product line		: NEMA Premium Efficiency Three-Phase		Product code :		11355046		
				Catalog # :		06012ET3E404T-W22		
Frame		: 404/5T		Cooling method		: IC411 - TEFC		
Insulation class		: F		Mounting		: F-1		
Duty cycle		: Cont.(S1)		Rotation ¹		: Both (CW and CCW)		
Ambient temperature		: -20°C to +40°C		Starting method		: Direct On Line		
Altitude		: 1000 m.a.s.l.		Approx. weight ²		: 1140 lb		
Protection degree		: IP55		Moment of inertia (J)		: 36.9 sq.ft.lb		
Design		: B						
Output [HP]	60	50	50	50	60	60	60	
Poles	6	6	6	6	6	6	6	
Frequency [Hz]	60	50	50	50	50	50	50	
Rated voltage [V]	230/460	380	400	415	380	400	415	
Rated current [A]	139/69.5	69.3	66.5	64.8	85.1	80.3	78.3	
L. R. Amperes [A]	987/493	457	485	505	477	498	525	
LRC [A]	7.1x(Code H)	6.6x(Code G)	7.3x(Code H)	7.8x(Code J)	5.6x(Code F)	6.2x(Code G)	6.7x(Code G)	
No load current [A]	50.0/25.0	24.7	26.4	27.7	24.7	26.4	27.7	
Rated speed [RPM]	1185	985	985	985	980	980	985	
Slip [%]	1.25	1.50	1.50	1.50	2.00	2.00	1.50	
Rated torque [ft.lb]	266	267	267	267	322	322	320	
Locked rotor torque [%]	200	180	220	229	150	180	190	
Breakdown torque [%]	229	220	240	260	180	200	220	
Service factor	1.25	1.00	1.00	1.00	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	36s (cold)	28s (cold)	28s (cold)	28s (cold)	28s (cold)	28s (cold)	28s (cold)	
	20s (hot)	16s (hot)	16s (hot)	16s (hot)	16s (hot)	16s (hot)	16s (hot)	
Noise level ²	68.0 dB(A)	64.0 dB(A)	64.0 dB(A)	64.0 dB(A)	64.0 dB(A)	64.0 dB(A)	64.0 dB(A)	
Efficiency (%)	25%	94.0	93.3	93.4	93.4	94.0	94.0	
	50%	94.1	93.3	93.3	93.3	93.6	93.6	
	75%	94.5	93.4	93.7	93.7	93.0	93.6	
	100%	94.5	93.3	93.4	93.4	92.4	93.0	
Power Factor	25%	0.48	0.48	0.44	0.41	0.54	0.51	
	50%	0.74	0.73	0.70	0.67	0.79	0.77	
	75%	0.82	0.83	0.82	0.79	0.85	0.84	
	100%	0.86	0.87	0.86	0.85	0.87	0.87	
Bearing type	Drive end		Non drive end		Foundation loads			
	: 6316 C3		6314 C3		Max. traction : 1542 lb			
	: WSeal		WSeal		Max. compression : 2682 lb			
	: 16000 h		17000 h					
	: 34 g		27 g					
Lubricant type		: Mobil Polyrex EM						
Notes								
USABLE @208V 154A SF 1.10 SFA 169A								
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



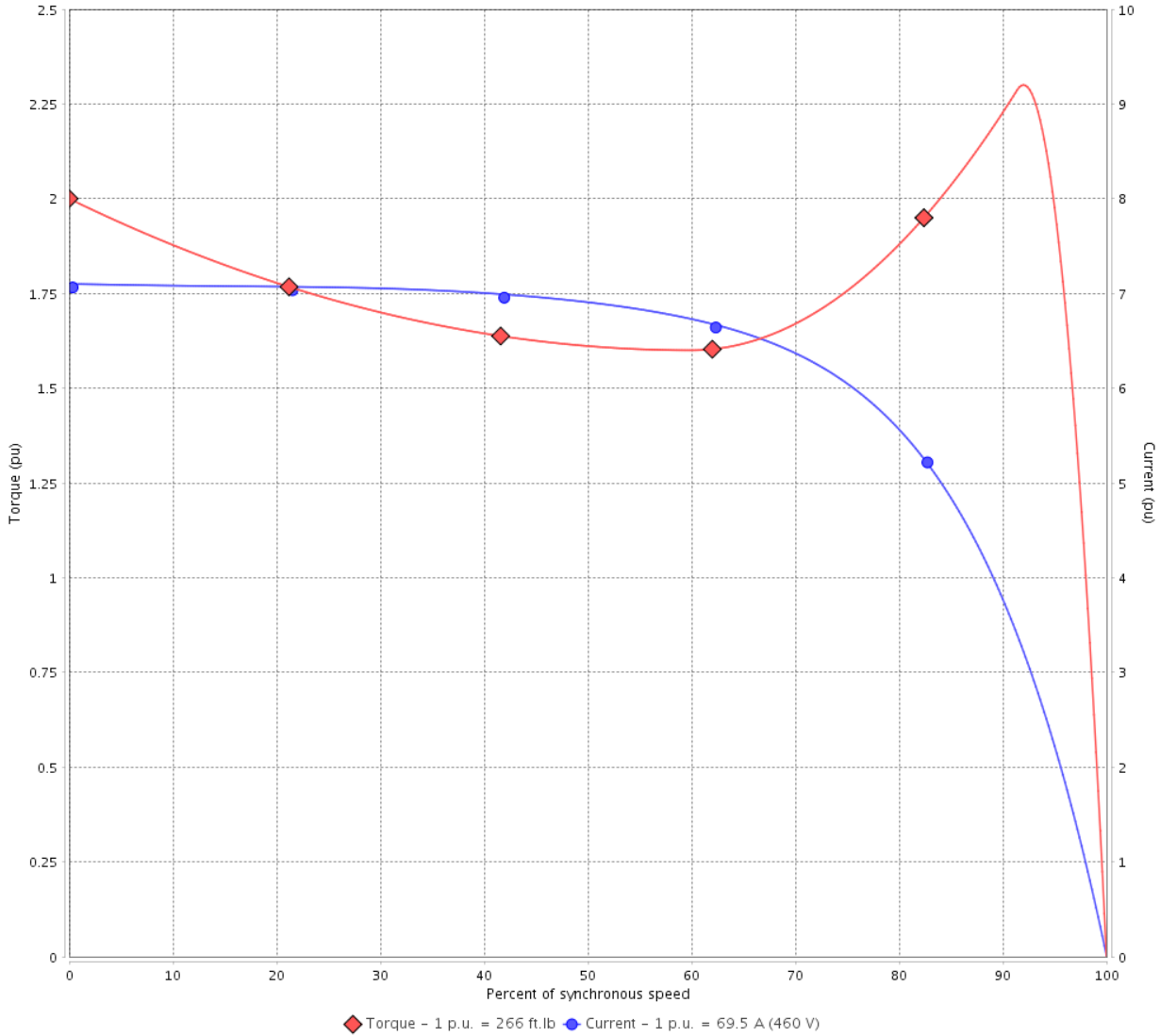
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 230/460 V 60 Hz 6P

Rated current	: 139/69.5 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 7.1	Duty cycle	: Cont.(S1)
Rated torque	: 266 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 1185 rpm	Design	: B

Locked rotor time : 36s (cold) 20s (hot)

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TORQUE AND CURRENT VS SPEED CURVE



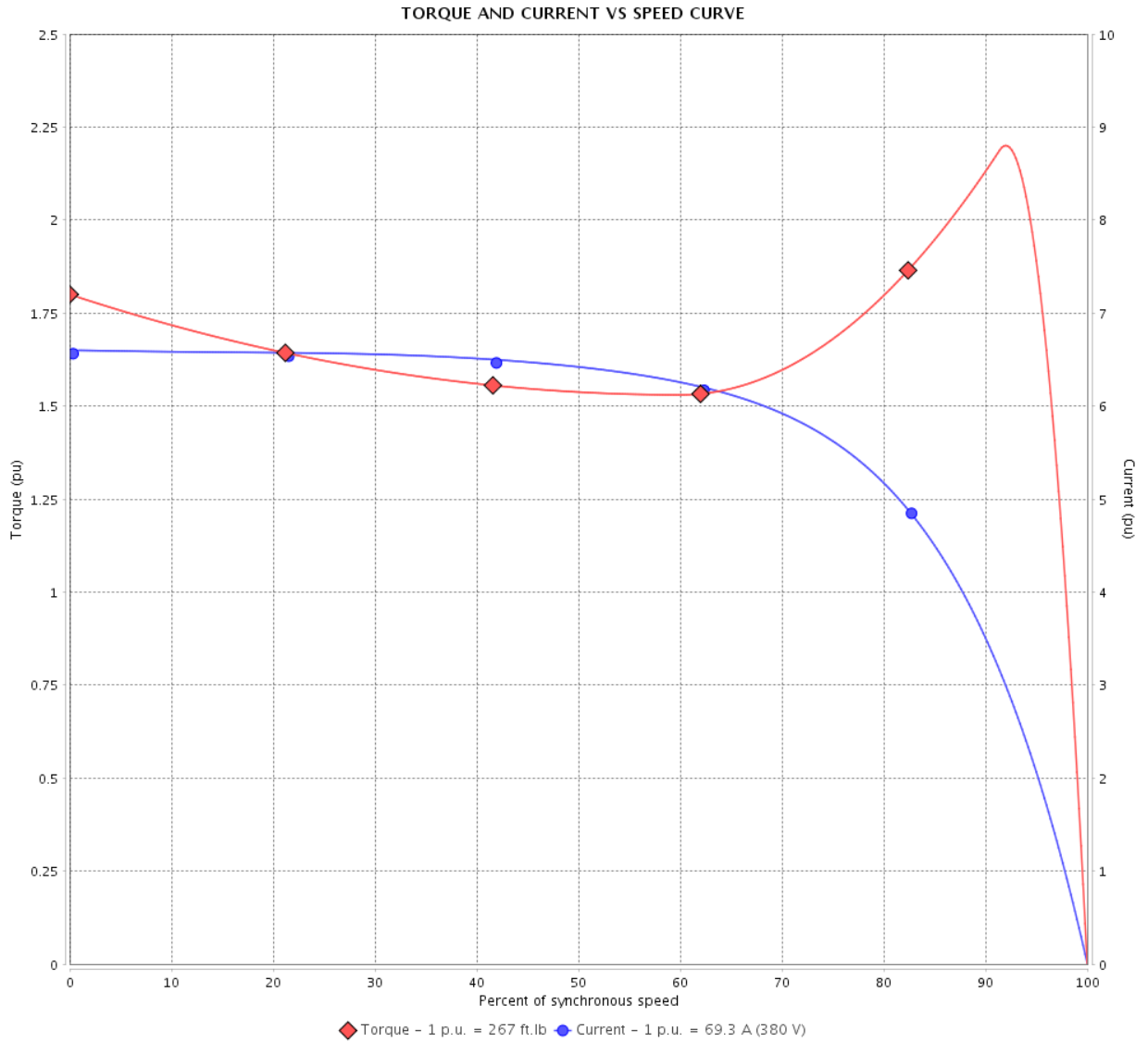
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22



Performance : 380 V 50 Hz 6P IE3

Rated current	: 69.3 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 267 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 220 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B

Locked rotor time : 28s (cold) 16s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



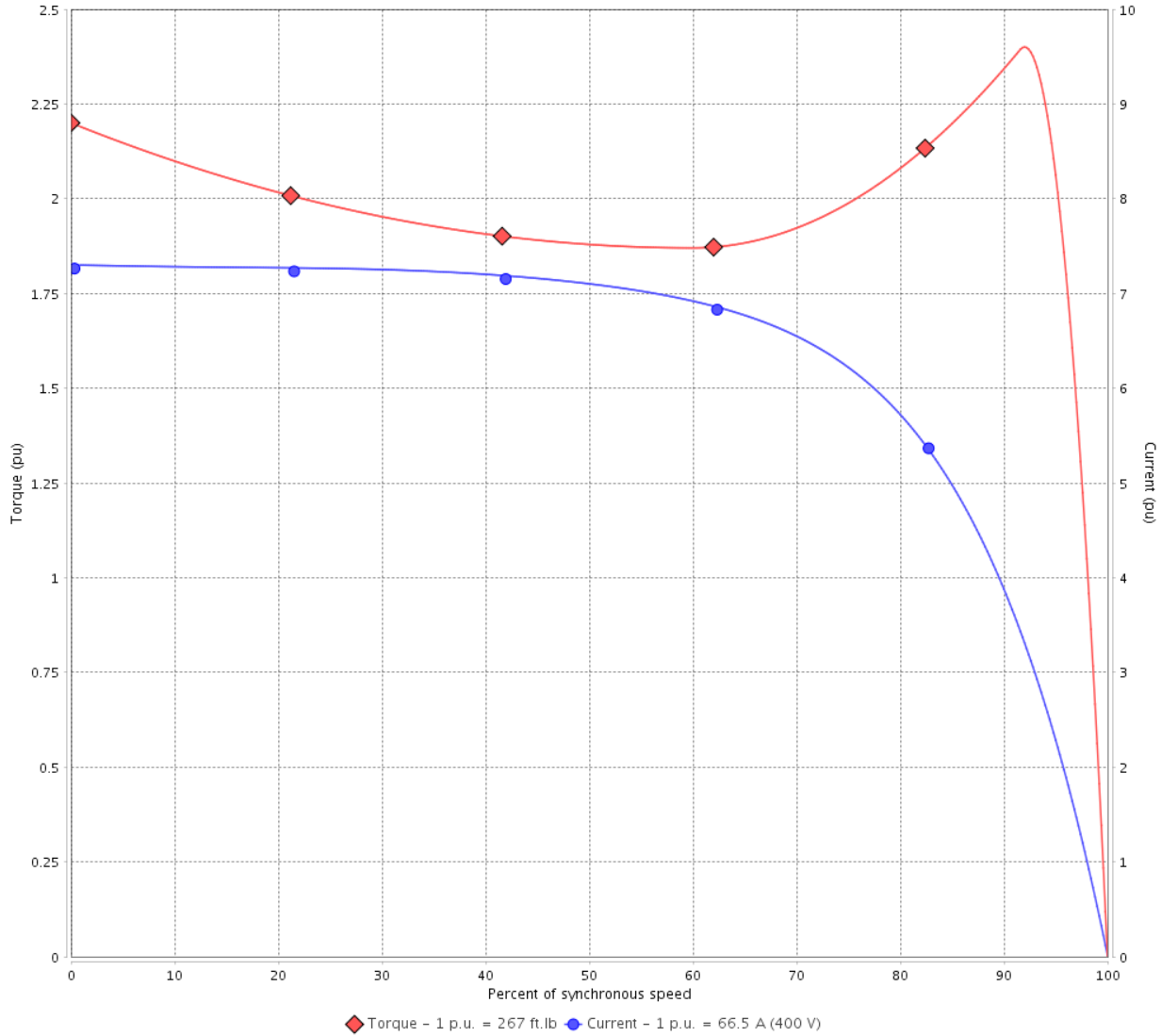
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 400 V 50 Hz 6P IE3

Rated current	: 66.5 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 7.3	Duty cycle	: Cont.(S1)
Rated torque	: 267 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B

Locked rotor time : 28s (cold) 16s (hot)

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TORQUE AND CURRENT VS SPEED CURVE



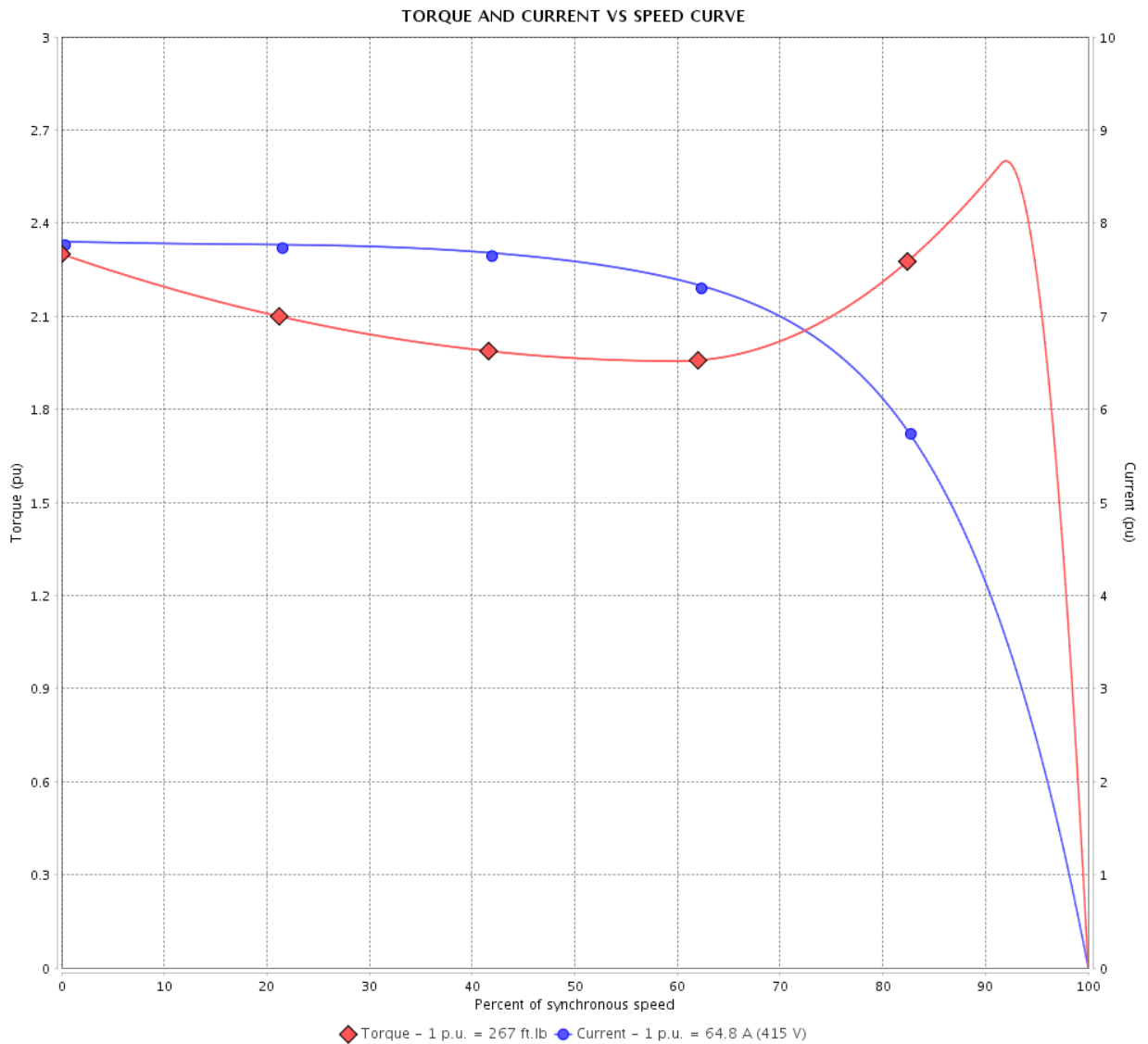
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22



Performance : 415 V 50 Hz 6P IE3

Rated current	: 64.8 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 7.8	Duty cycle	: Cont.(S1)
Rated torque	: 267 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.00
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B

Locked rotor time : 28s (cold) 16s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



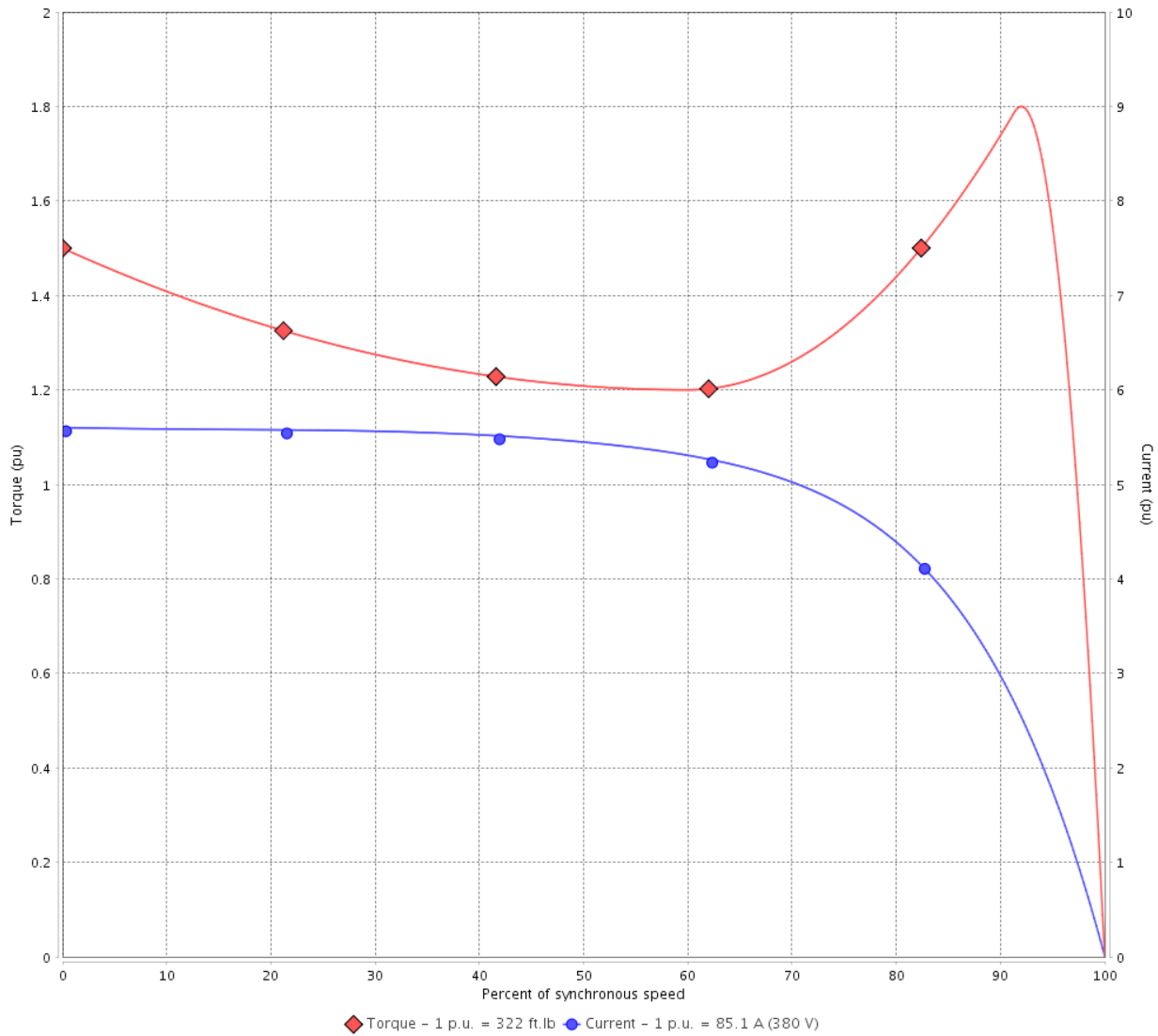
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 380 V 50 Hz 6P IE1

Rated current	: 85.1 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 5.6	Duty cycle	: Cont.(S1)
Rated torque	: 322 ft.lb	Insulation class	: F
Locked rotor torque	: 150 %	Service factor	: 1.00
Breakdown torque	: 180 %	Temperature rise	: 105 K
Rated speed	: 980 rpm	Design	: B

Locked rotor time : 28s (cold) 16s (hot)

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TORQUE AND CURRENT VS SPEED CURVE



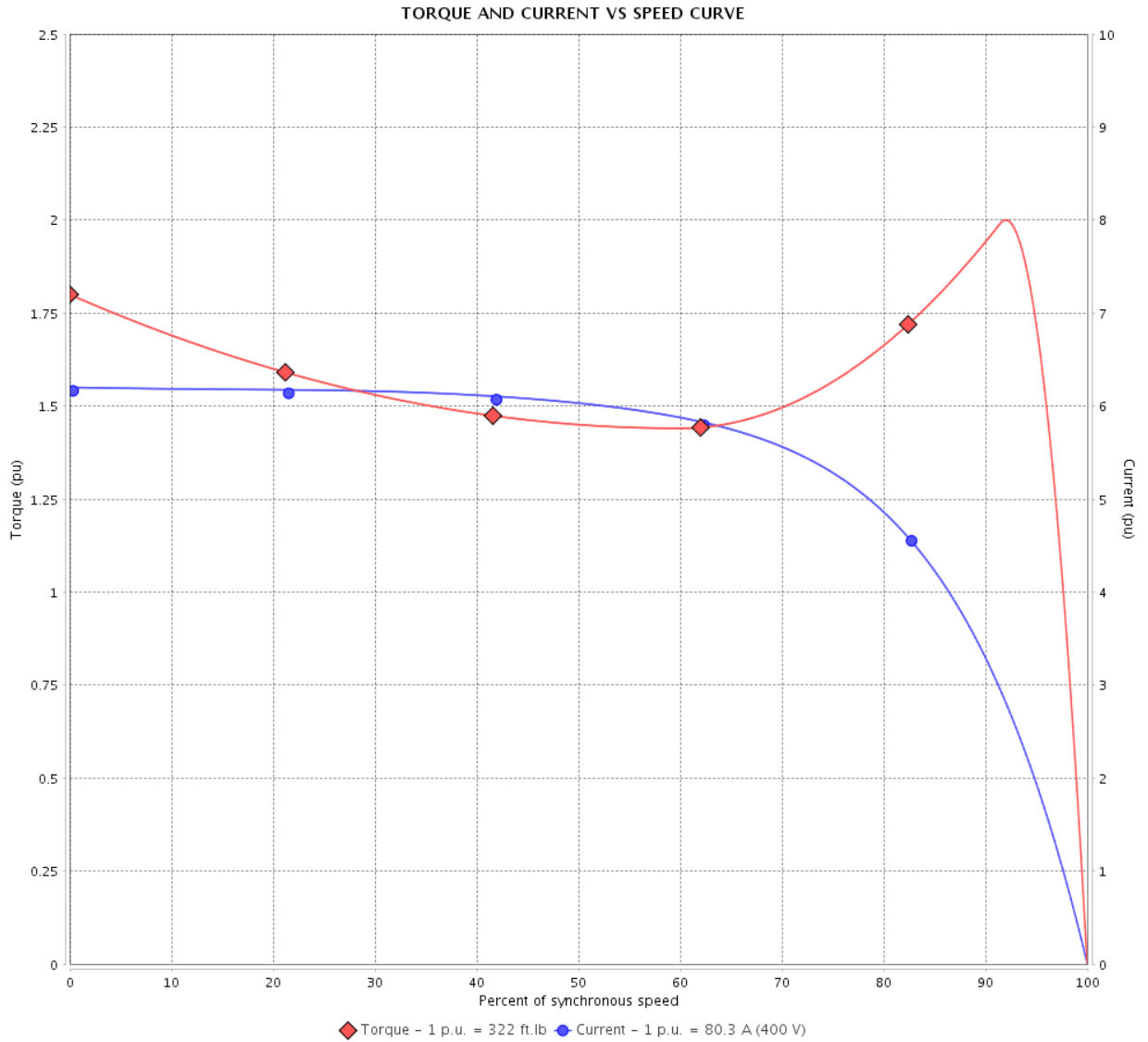
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22



Performance : 400 V 50 Hz 6P IE2

Rated current	: 80.3 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 322 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 200 %	Temperature rise	: 105 K
Rated speed	: 980 rpm	Design	: B

Locked rotor time : 28s (cold) 16s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



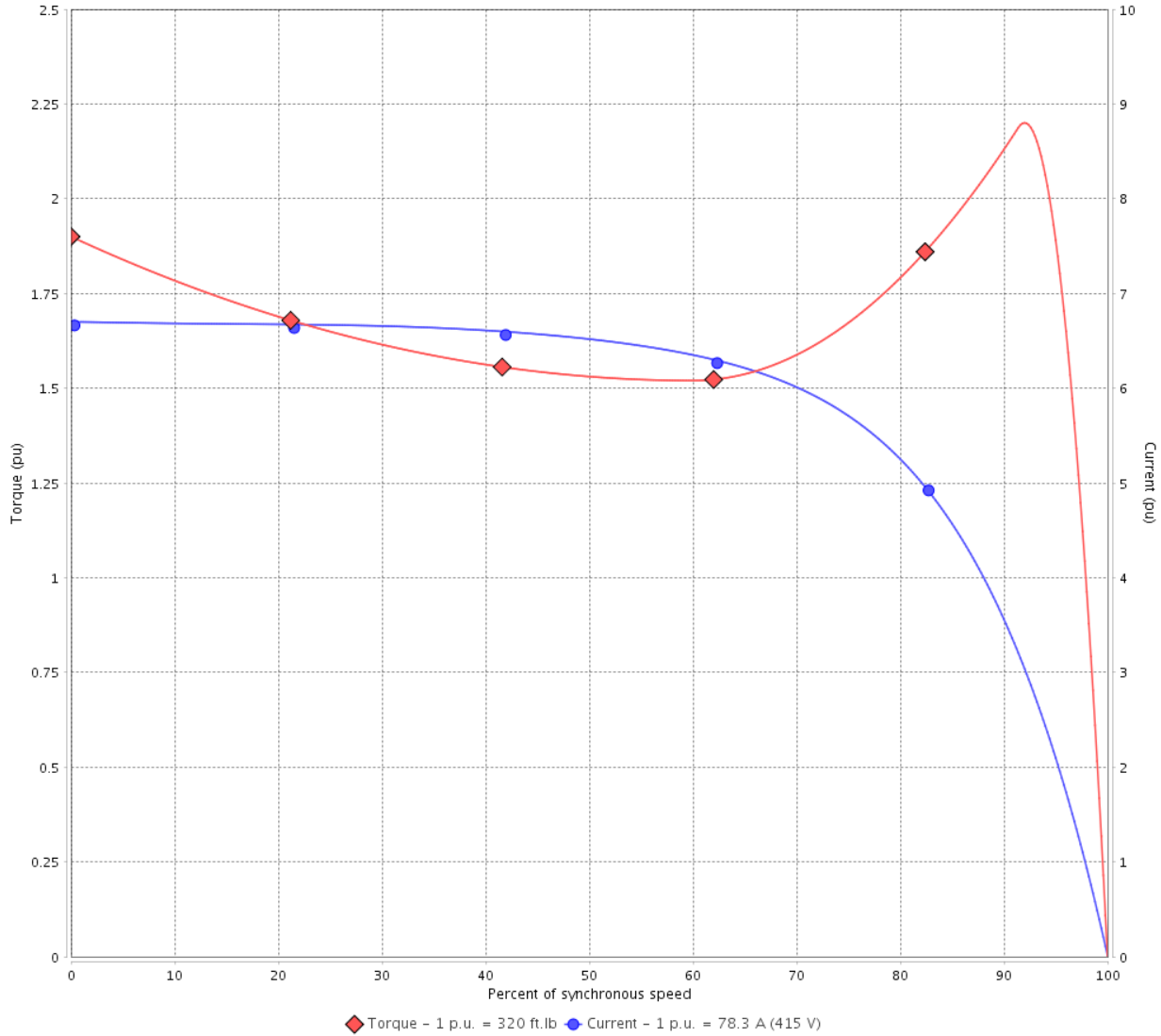
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 415 V 50 Hz 6P IE2

Rated current	: 78.3 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 6.7	Duty cycle	: Cont.(S1)
Rated torque	: 320 ft.lb	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.00
Breakdown torque	: 220 %	Temperature rise	: 105 K
Rated speed	: 985 rpm	Design	: B

Locked rotor time : 28s (cold) 16s (hot)

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Three Phase Induction Motor - Squirrel Cage

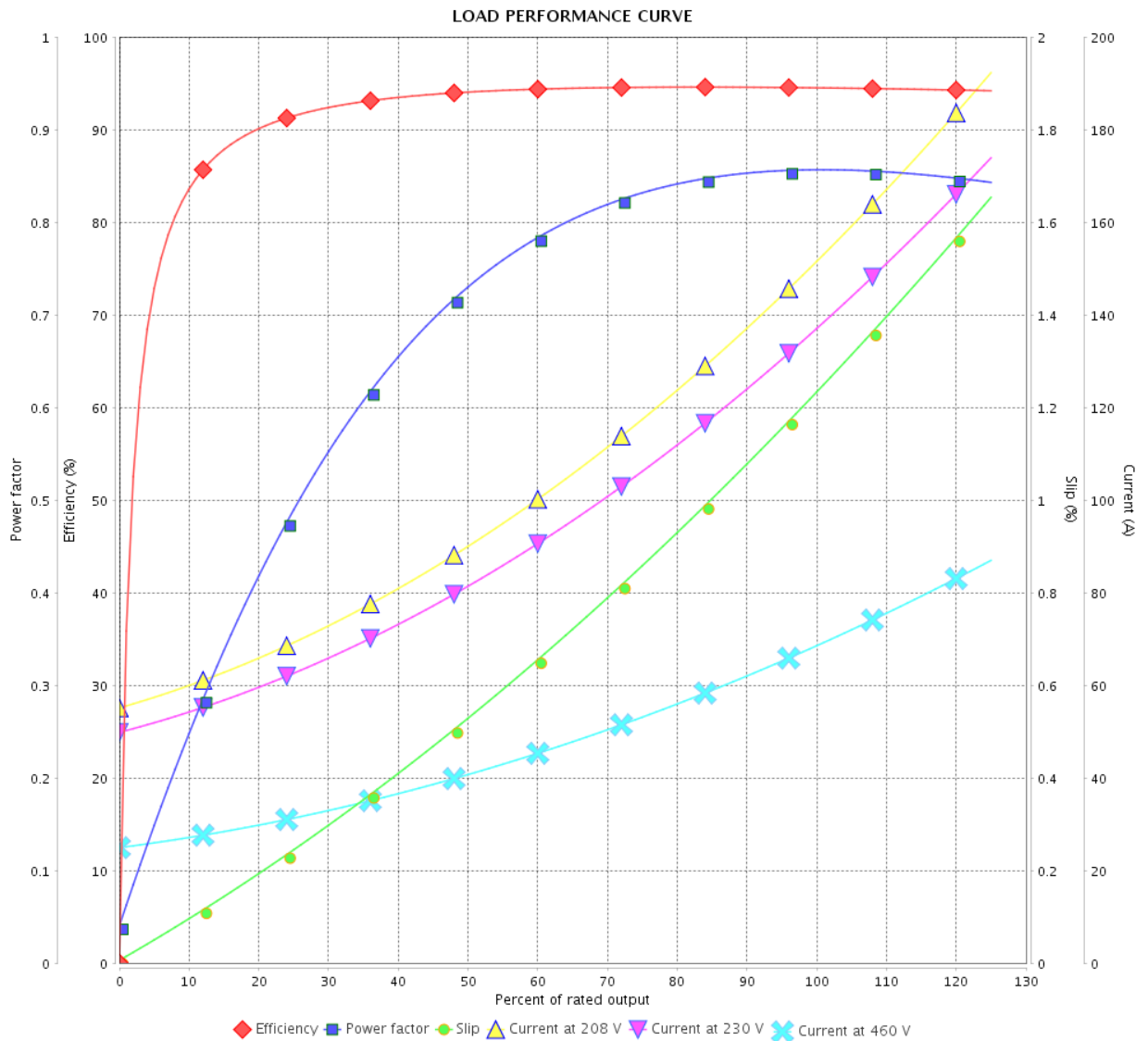


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22



Performance : 230/460 V 60 Hz 6P

Rated current : 139/69.5 A
 LRC : 7.1
 Rated torque : 266 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 229 %
 Rated speed : 1185 rpm

Moment of inertia (J) : 36.9 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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Three Phase Induction Motor - Squirrel Cage

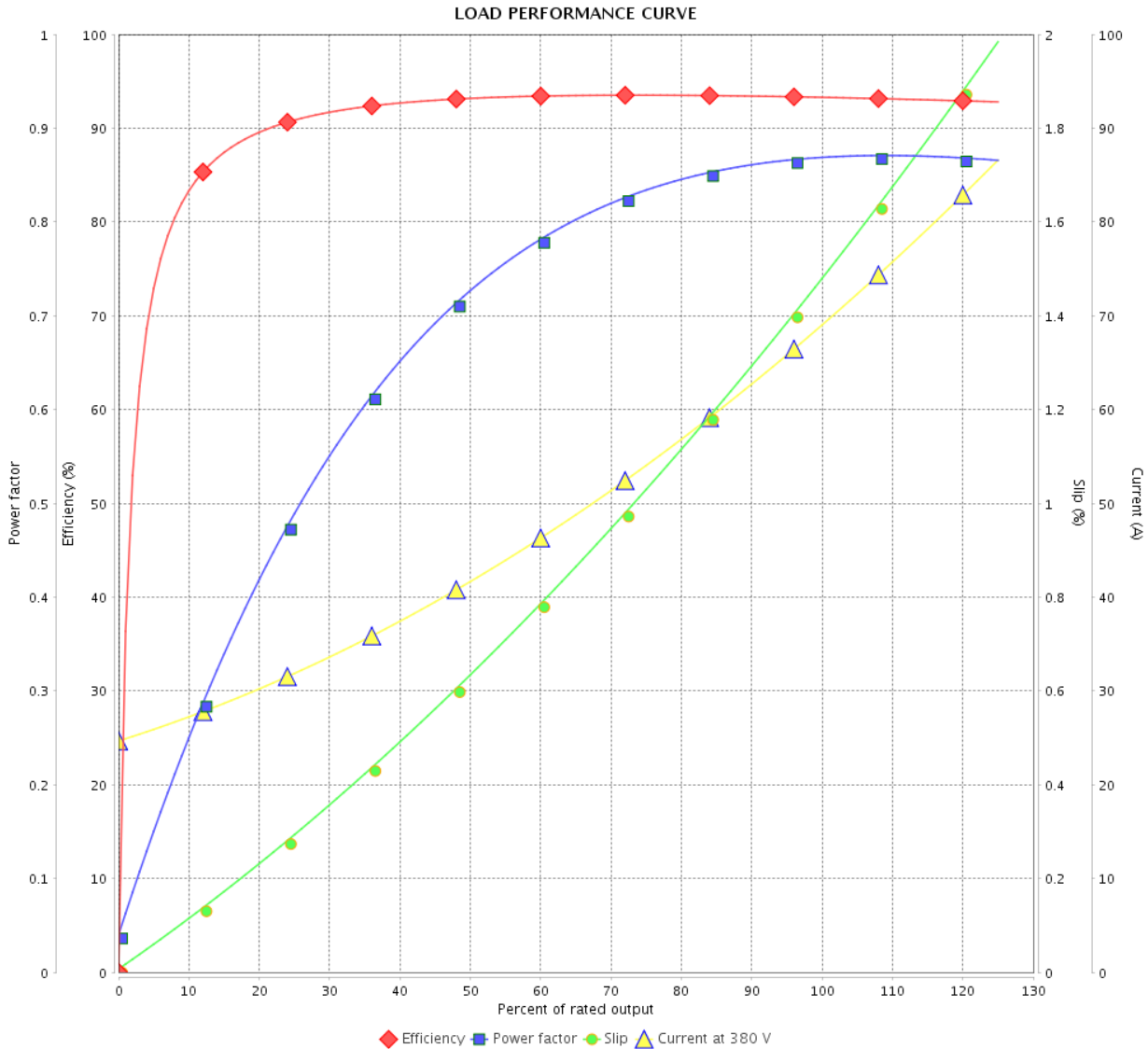


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22



Performance : 380 V 50 Hz 6P IE3

Rated current : 69.3 A
 LRC : 6.6
 Rated torque : 267 ft.lb
 Locked rotor torque : 180 %
 Breakdown torque : 220 %
 Rated speed : 985 rpm

Moment of inertia (J) : 36.9 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

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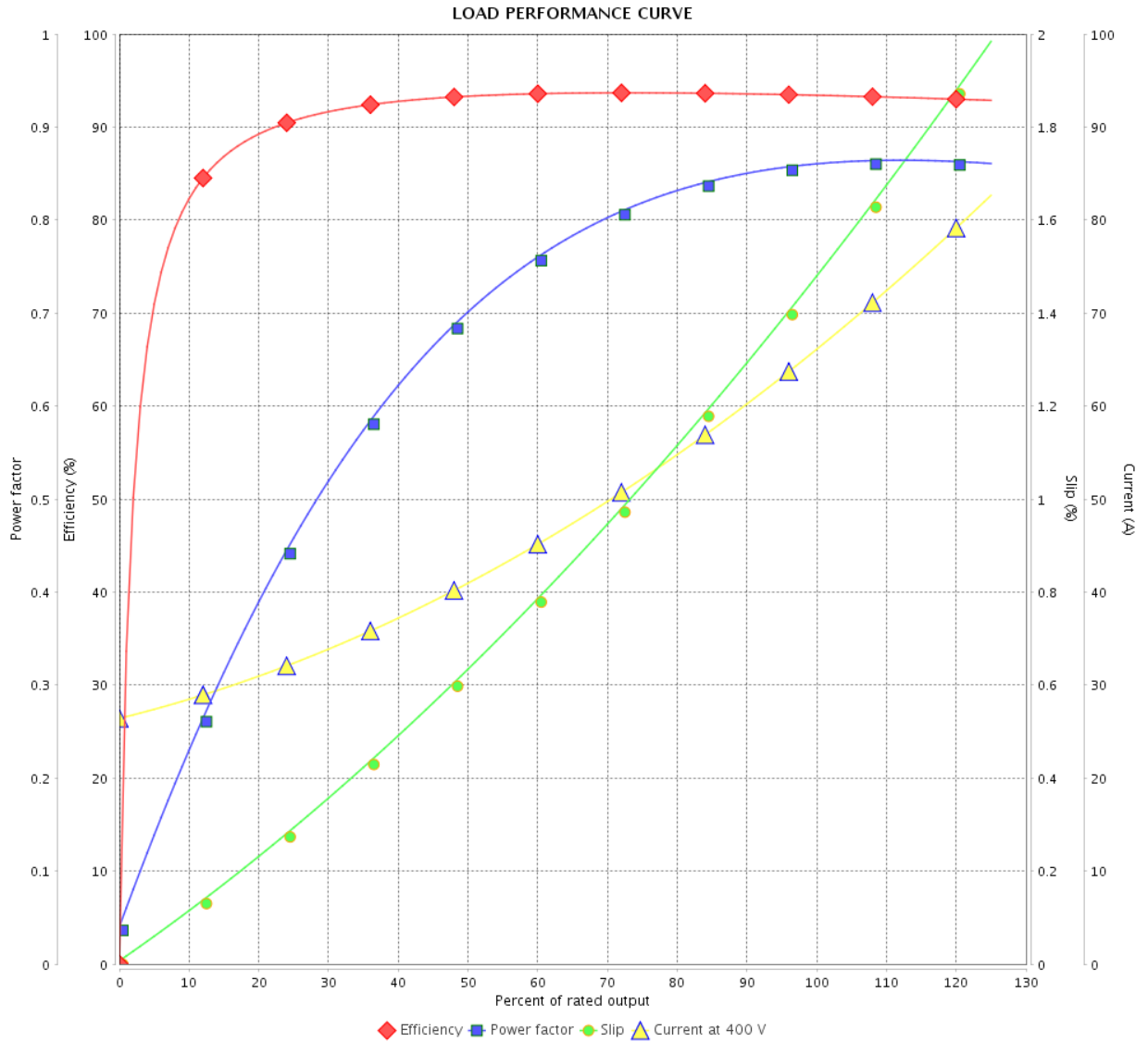
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Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 11355046
 Catalog # : 06012ET3E404T-W22



Performance : 400 V 50 Hz 6P IE3

Rated current	: 66.5 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 7.3	Duty cycle	: Cont.(S1)
Rated torque	: 267 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B

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Three Phase Induction Motor - Squirrel Cage

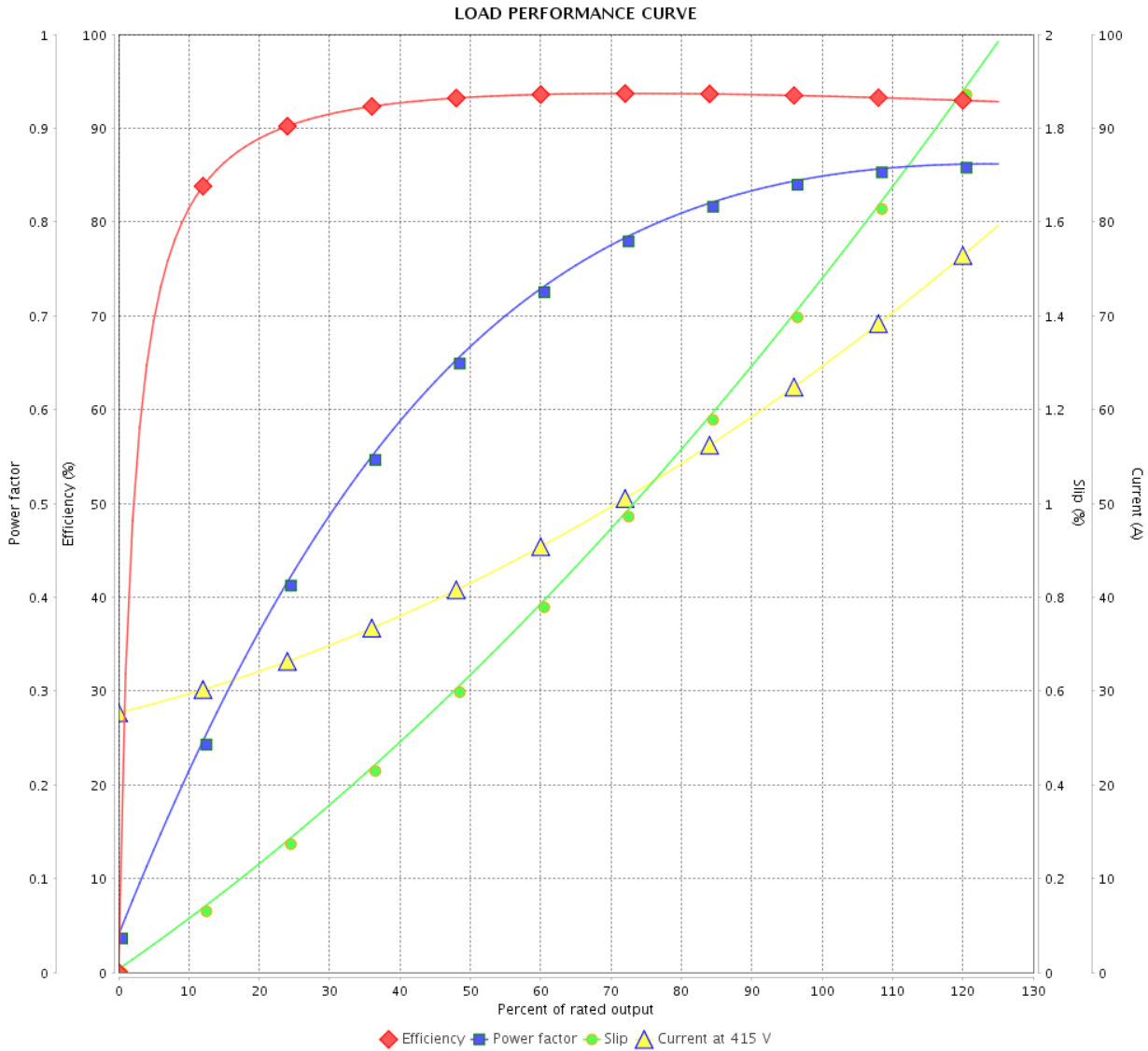


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22



Performance : 415 V 50 Hz 6P IE3

Rated current : 64.8 A
 LRC : 7.8
 Rated torque : 267 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 260 %
 Rated speed : 985 rpm

Moment of inertia (J) : 36.9 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

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Three Phase Induction Motor - Squirrel Cage

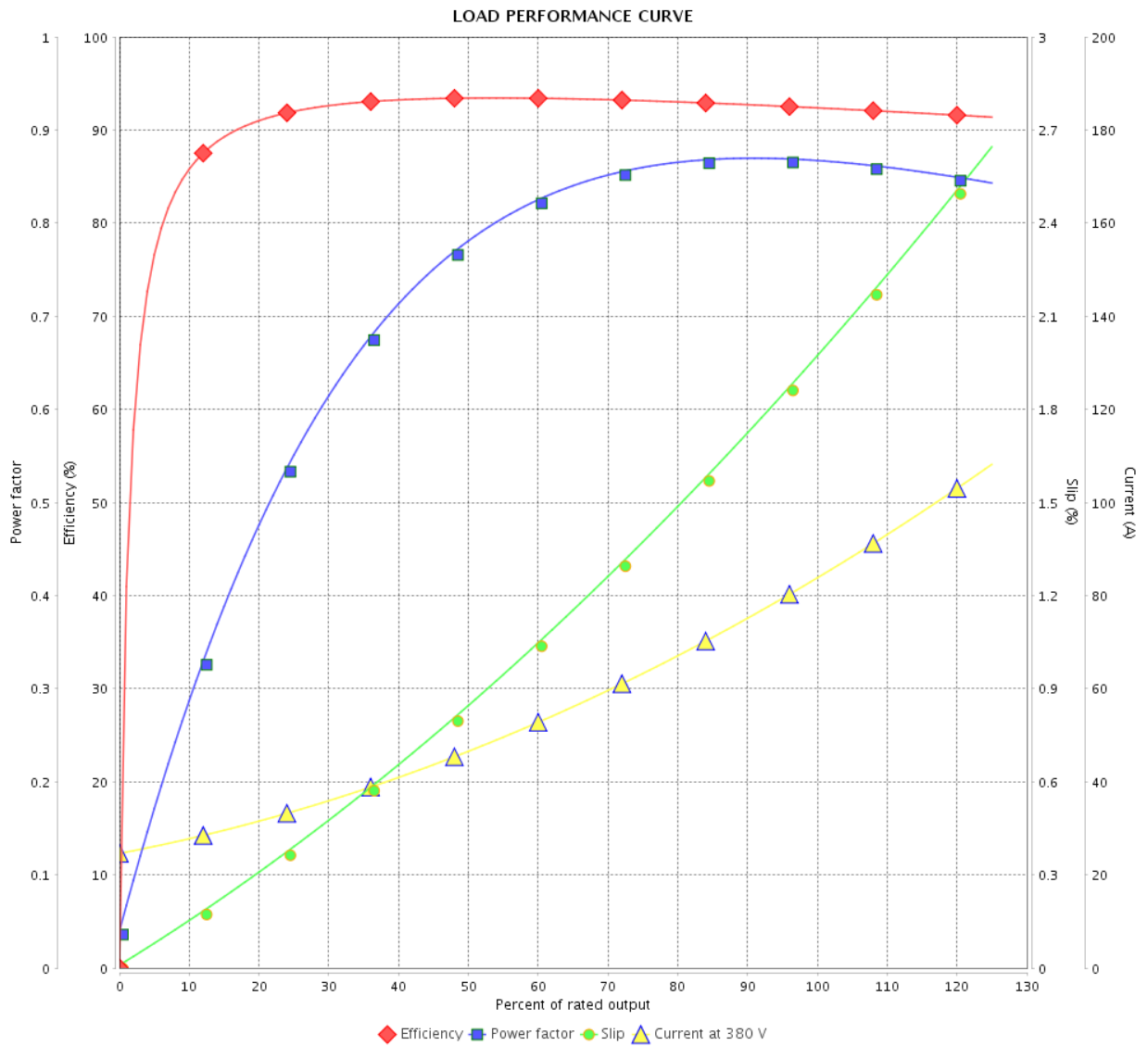


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22



Performance : 380 V 50 Hz 6P IE1

Rated current : 85.1 A
 LRC : 5.6
 Rated torque : 322 ft.lb
 Locked rotor torque : 150 %
 Breakdown torque : 180 %
 Rated speed : 980 rpm

Moment of inertia (J) : 36.9 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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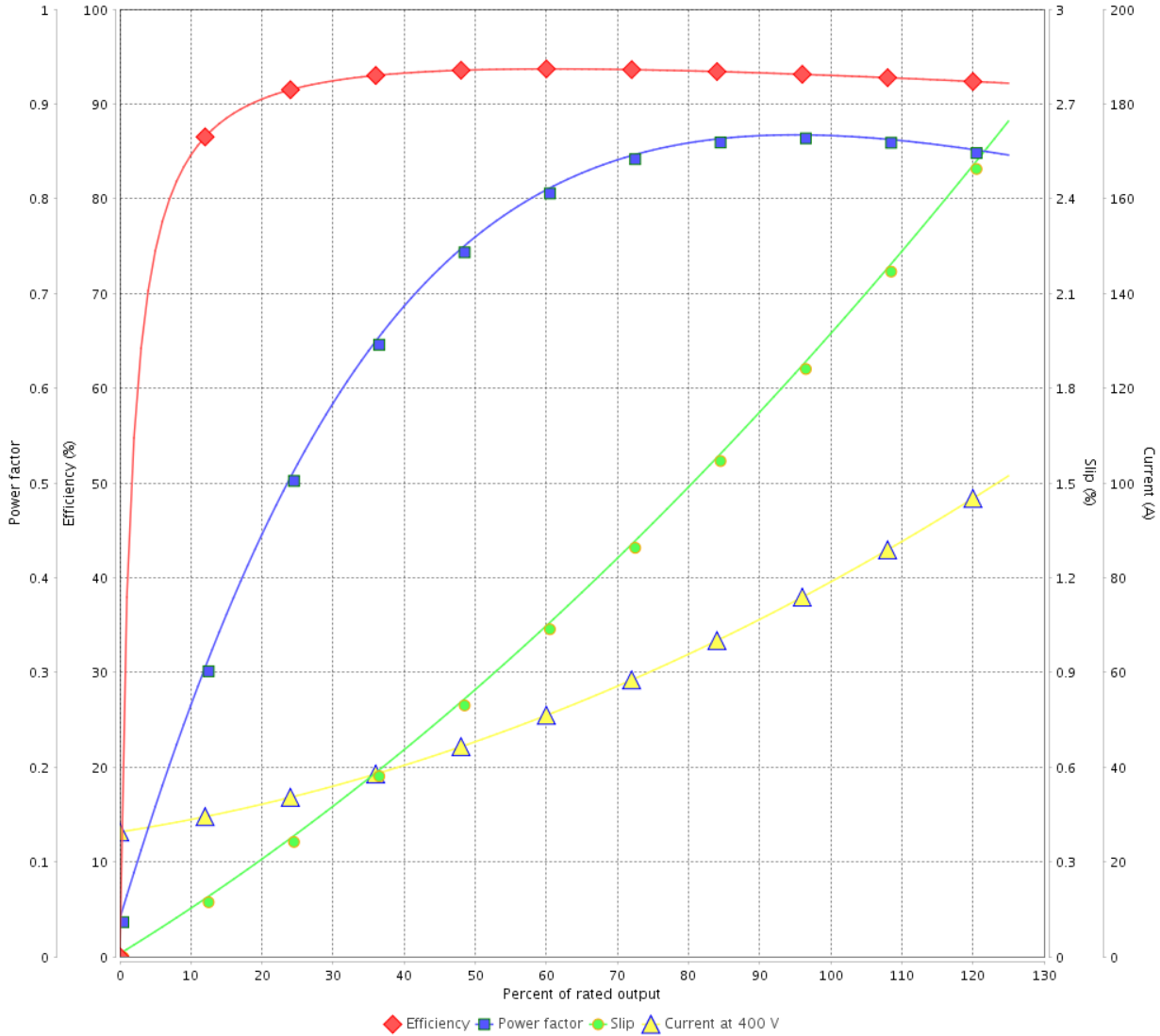
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22

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Performance : 400 V 50 Hz 6P IE2

Rated current : 80.3 A
 LRC : 6.2
 Rated torque : 322 ft.lb
 Locked rotor torque : 180 %
 Breakdown torque : 200 %
 Rated speed : 980 rpm

Moment of inertia (J) : 36.9 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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Three Phase Induction Motor - Squirrel Cage

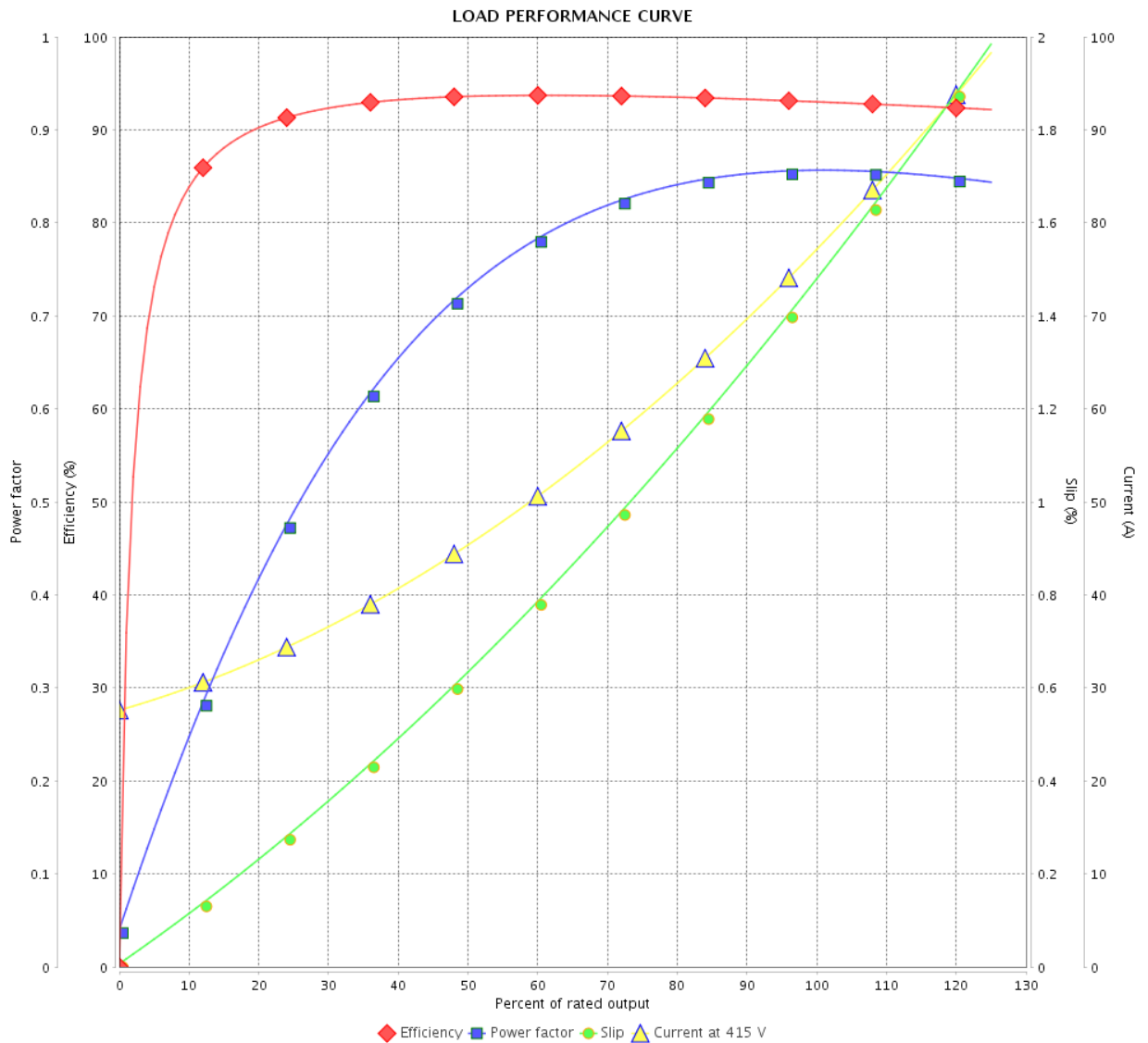


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22



Performance : 415 V 50 Hz 6P IE2

Rated current : 78.3 A
 LRC : 6.7
 Rated torque : 320 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 220 %
 Rated speed : 985 rpm

Moment of inertia (J) : 36.9 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
Product code : 11355046
Catalog # : 06012ET3E404T-W22

Performance : 230/460 V 60 Hz 6P

Rated current	: 139/69.5 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 7.1	Duty cycle	: Cont.(S1)
Rated torque	: 266 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 1185 rpm	Design	: B

Heating constant

Cooling constant

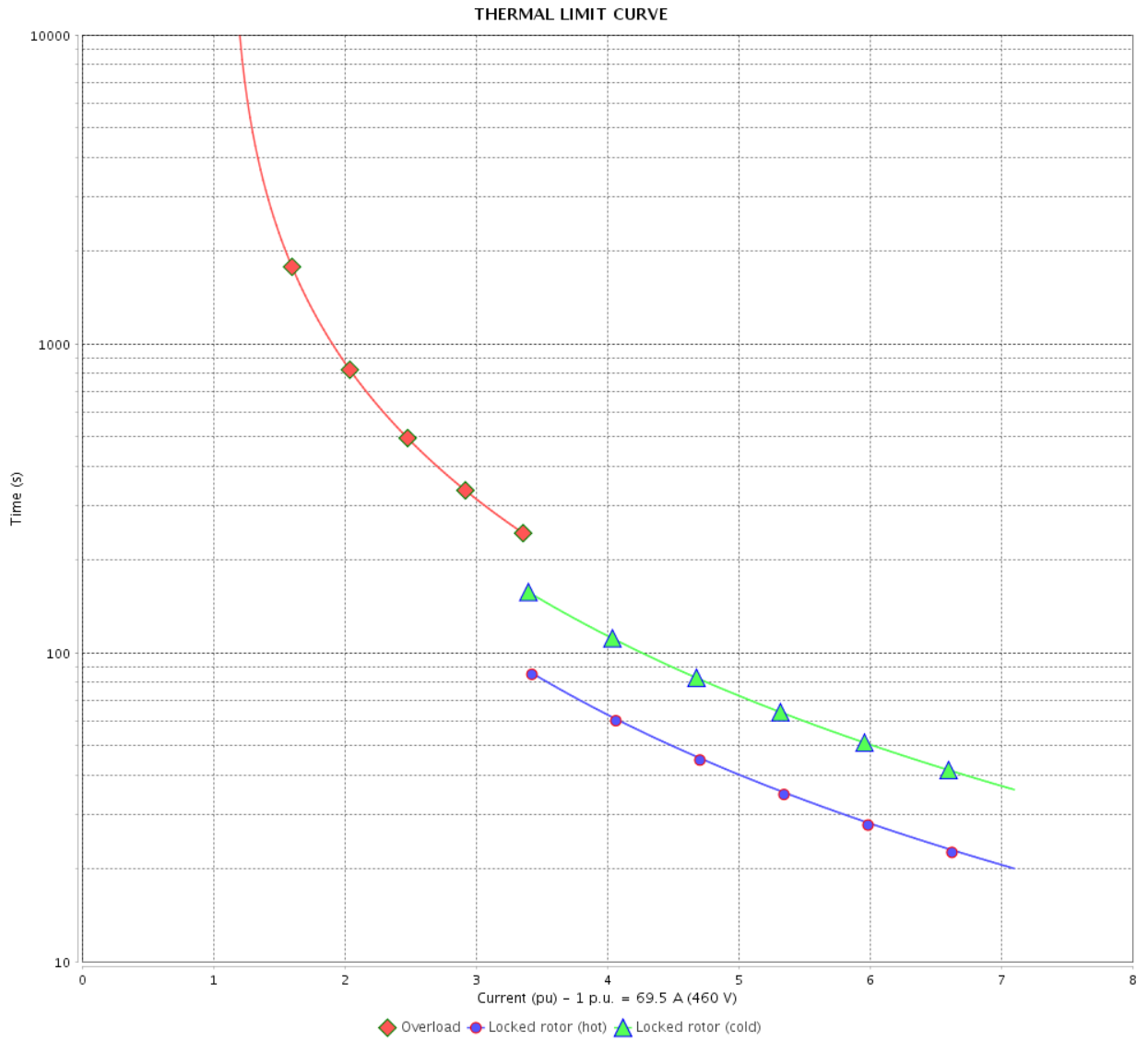
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Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 11355046
 Catalog # : 06012ET3E404T-W22

Performance : 380 V 50 Hz 6P IE3

Rated current : 69.3 A	Moment of inertia (J) : 36.9 sq.ft.lb
LRC : 6.6	Duty cycle : Cont.(S1)
Rated torque : 267 ft.lb	Insulation class : F
Locked rotor torque : 180 %	Service factor : 1.00
Breakdown torque : 220 %	Temperature rise : 80 K
Rated speed : 985 rpm	Design : B

Heating constant

Cooling constant

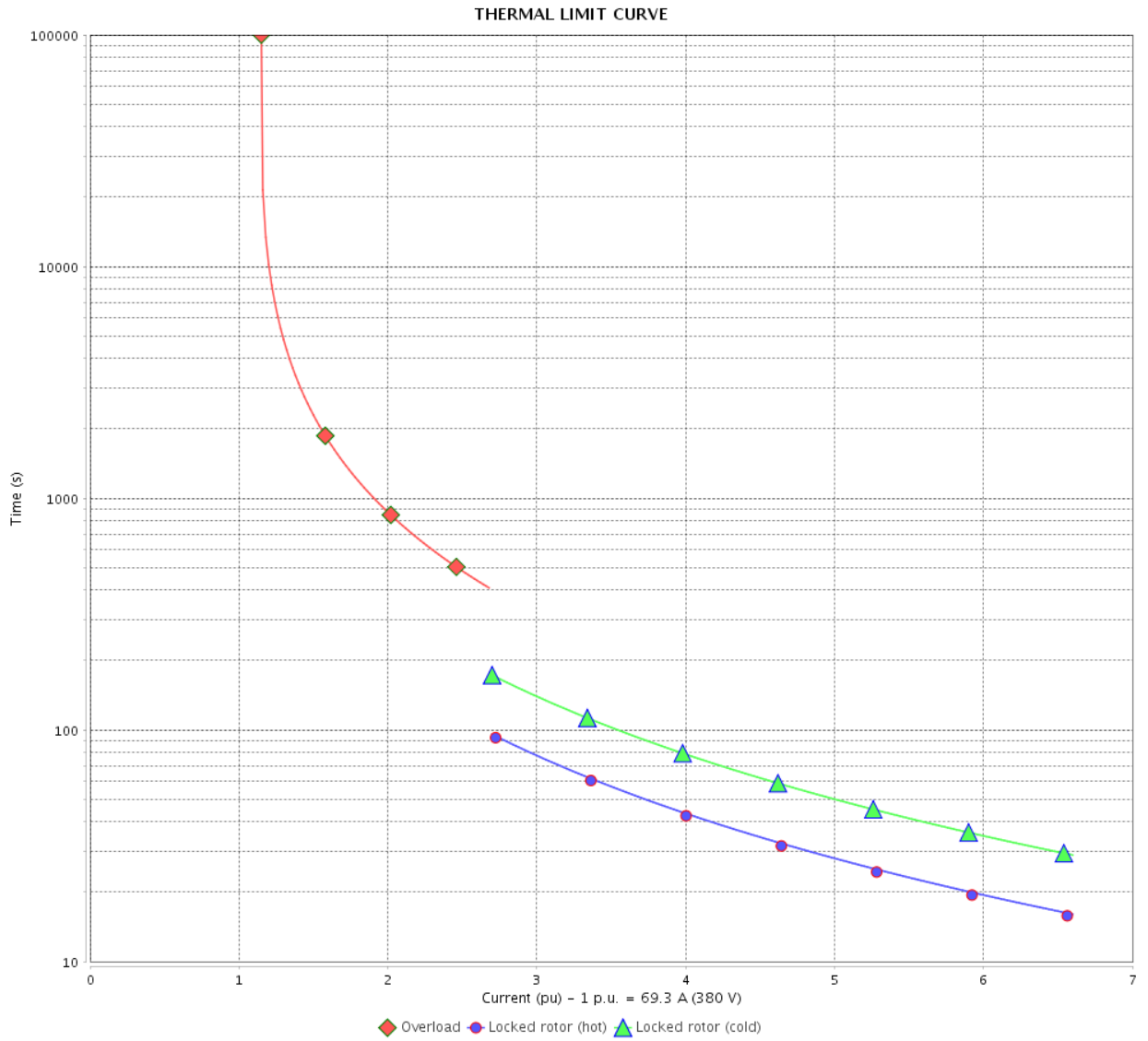
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THERMAL LIMIT CURVE

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 : 11355046
Catalog # : 06012ET3E404T-W22

Performance : 400 V 50 Hz 6P IE3

Rated current	: 66.5 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 7.3	Duty cycle	: Cont.(S1)
Rated torque	: 267 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B

Heating constant

Cooling constant

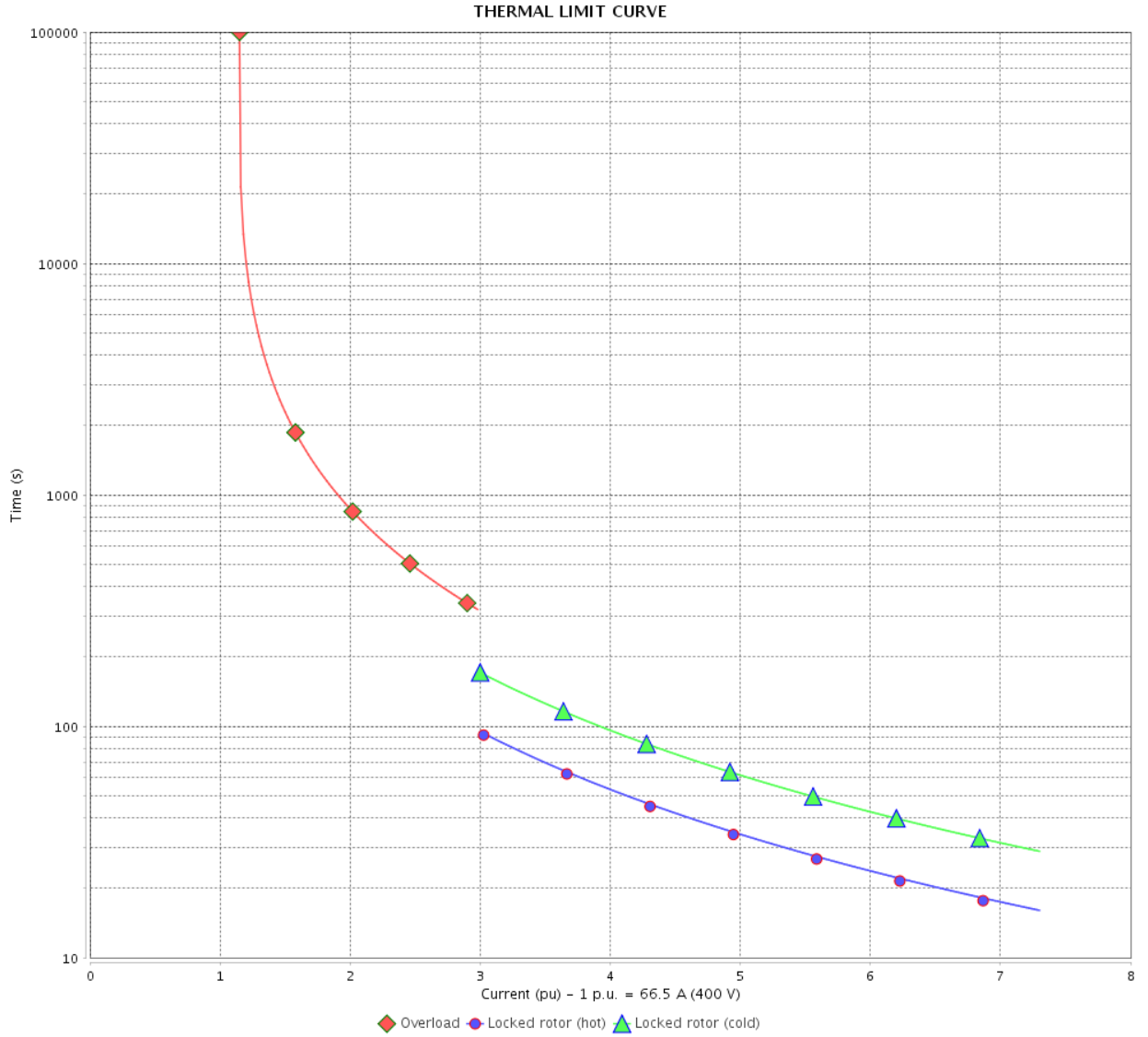
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THERMAL LIMIT CURVE

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Customer : _____



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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

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Product code : 11355046
Catalog # : 06012ET3E404T-W22

Performance : 415 V 50 Hz 6P IE3

Rated current	: 64.8 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 7.8	Duty cycle	: Cont.(S1)
Rated torque	: 267 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.00
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B

Heating constant

Cooling constant

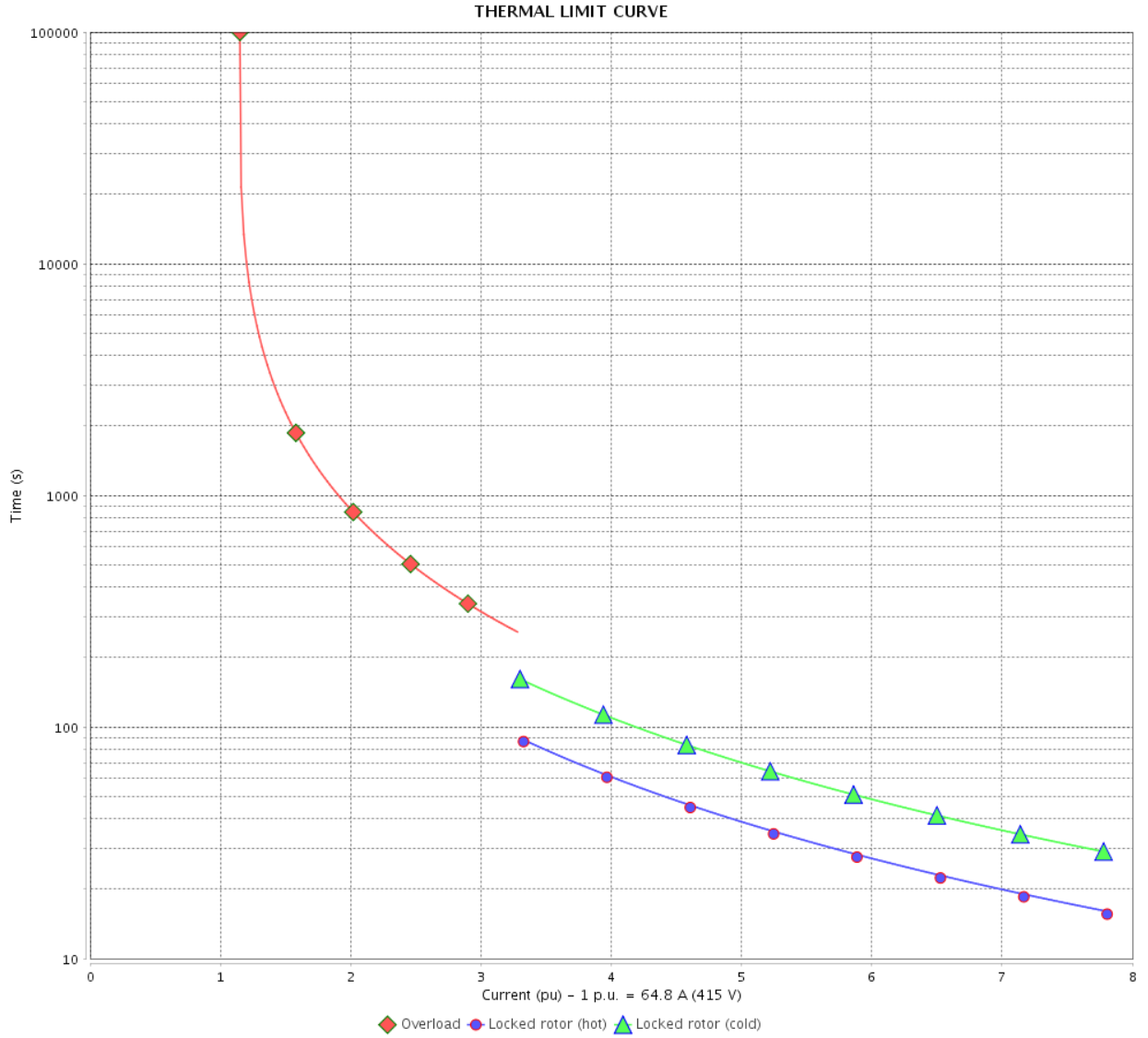
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 11355046
 Catalog # : 06012ET3E404T-W22

Performance : 380 V 50 Hz 6P IE1

Rated current : 85.1 A	Moment of inertia (J) : 36.9 sq.ft.lb
LRC : 5.6	Duty cycle : Cont.(S1)
Rated torque : 322 ft.lb	Insulation class : F
Locked rotor torque : 150 %	Service factor : 1.00
Breakdown torque : 180 %	Temperature rise : 105 K
Rated speed : 980 rpm	Design : B

Heating constant

Cooling constant

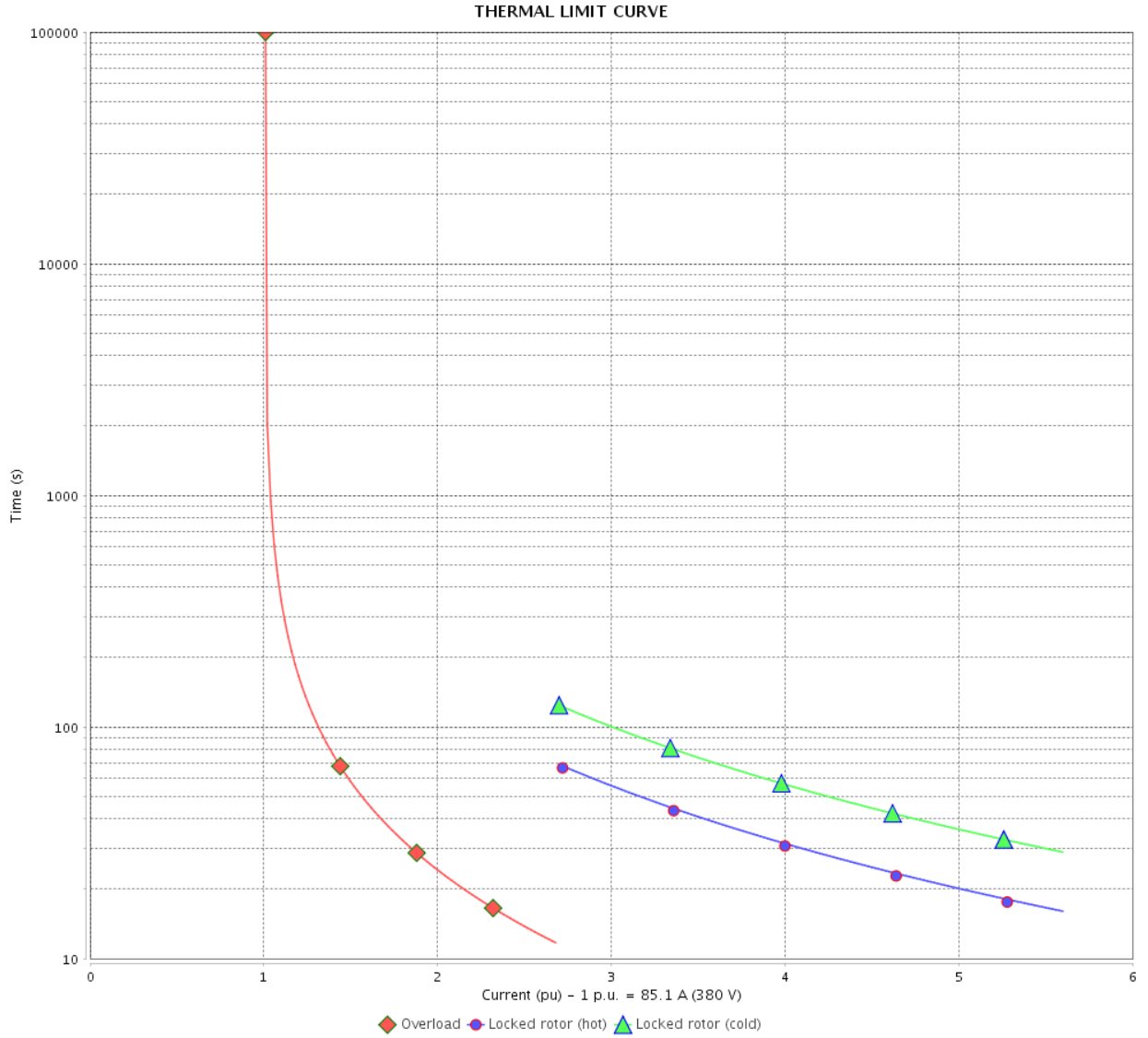
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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 11355046
 Catalog # : 06012ET3E404T-W22

Performance : 400 V 50 Hz 6P IE2

Rated current : 80.3 A	Moment of inertia (J) : 36.9 sq.ft.lb
LRC : 6.2	Duty cycle : Cont.(S1)
Rated torque : 322 ft.lb	Insulation class : F
Locked rotor torque : 180 %	Service factor : 1.00
Breakdown torque : 200 %	Temperature rise : 105 K
Rated speed : 980 rpm	Design : B

Heating constant

Cooling constant

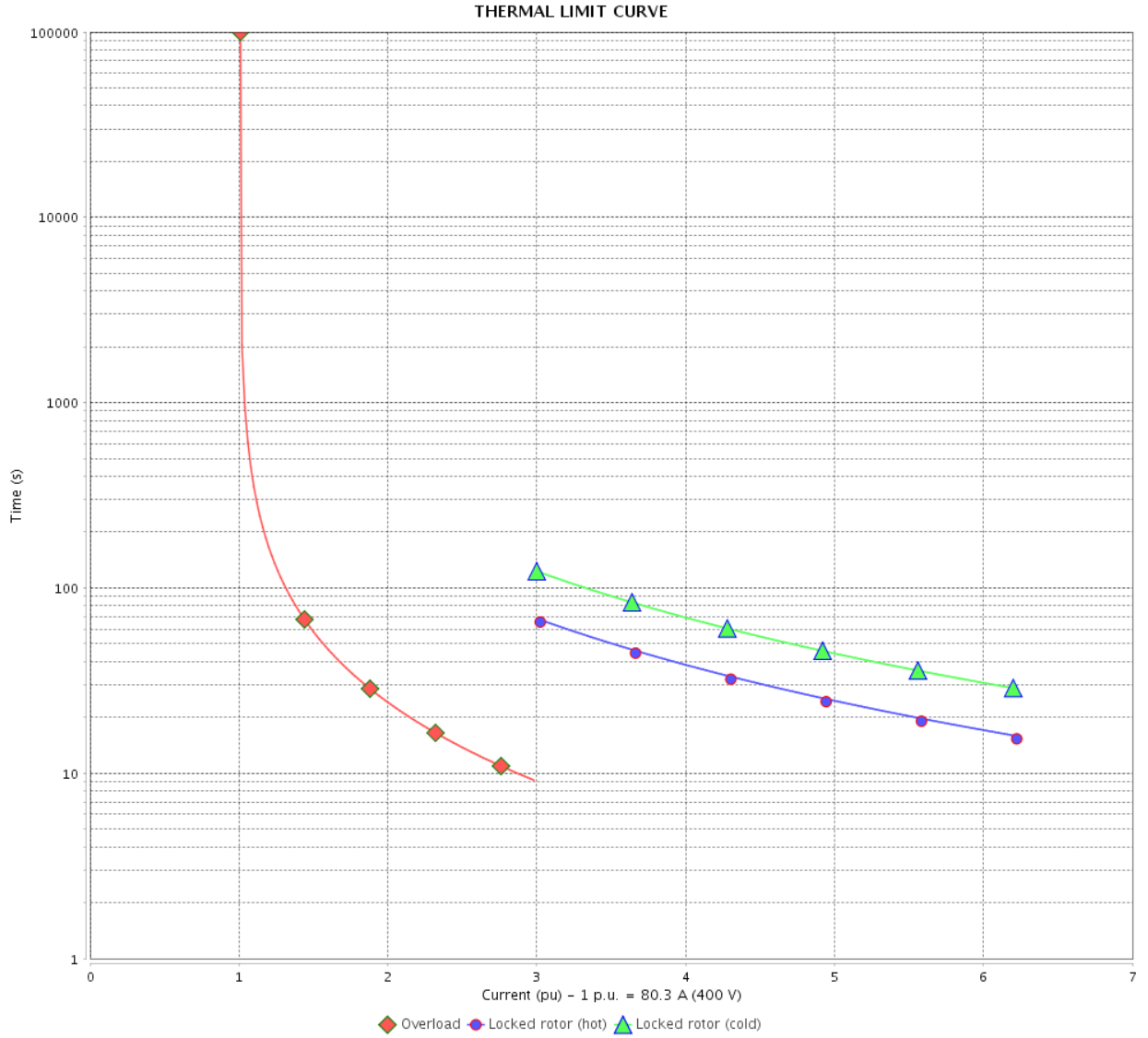
Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 26 / 36	Revision
Checked by				
Date	12/04/2022			

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		27 / 36		
Date		12/04/2022		

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 11355046
 Catalog # : 06012ET3E404T-W22

Performance : 415 V 50 Hz 6P IE2

Rated current : 78.3 A	Moment of inertia (J) : 36.9 sq.ft.lb
LRC : 6.7	Duty cycle : Cont.(S1)
Rated torque : 320 ft.lb	Insulation class : F
Locked rotor torque : 190 %	Service factor : 1.00
Breakdown torque : 220 %	Temperature rise : 105 K
Rated speed : 985 rpm	Design : B

Heating constant

Cooling constant

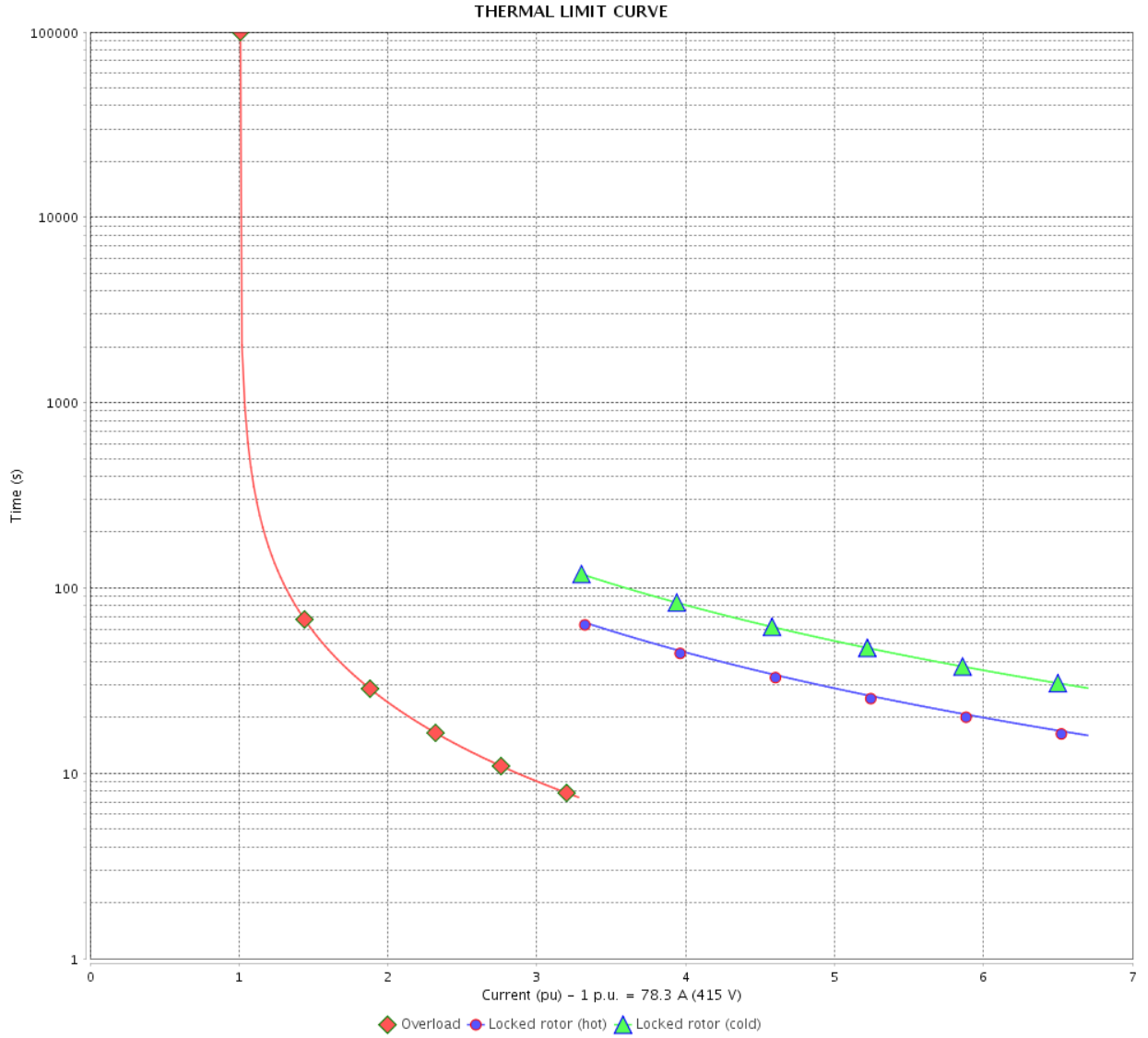
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Performed by			Page 28 / 36	Revision
Checked by				
Date	12/04/2022			

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Performed by				
Checked by				
Date				
		Page 29 / 36	Revision	

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



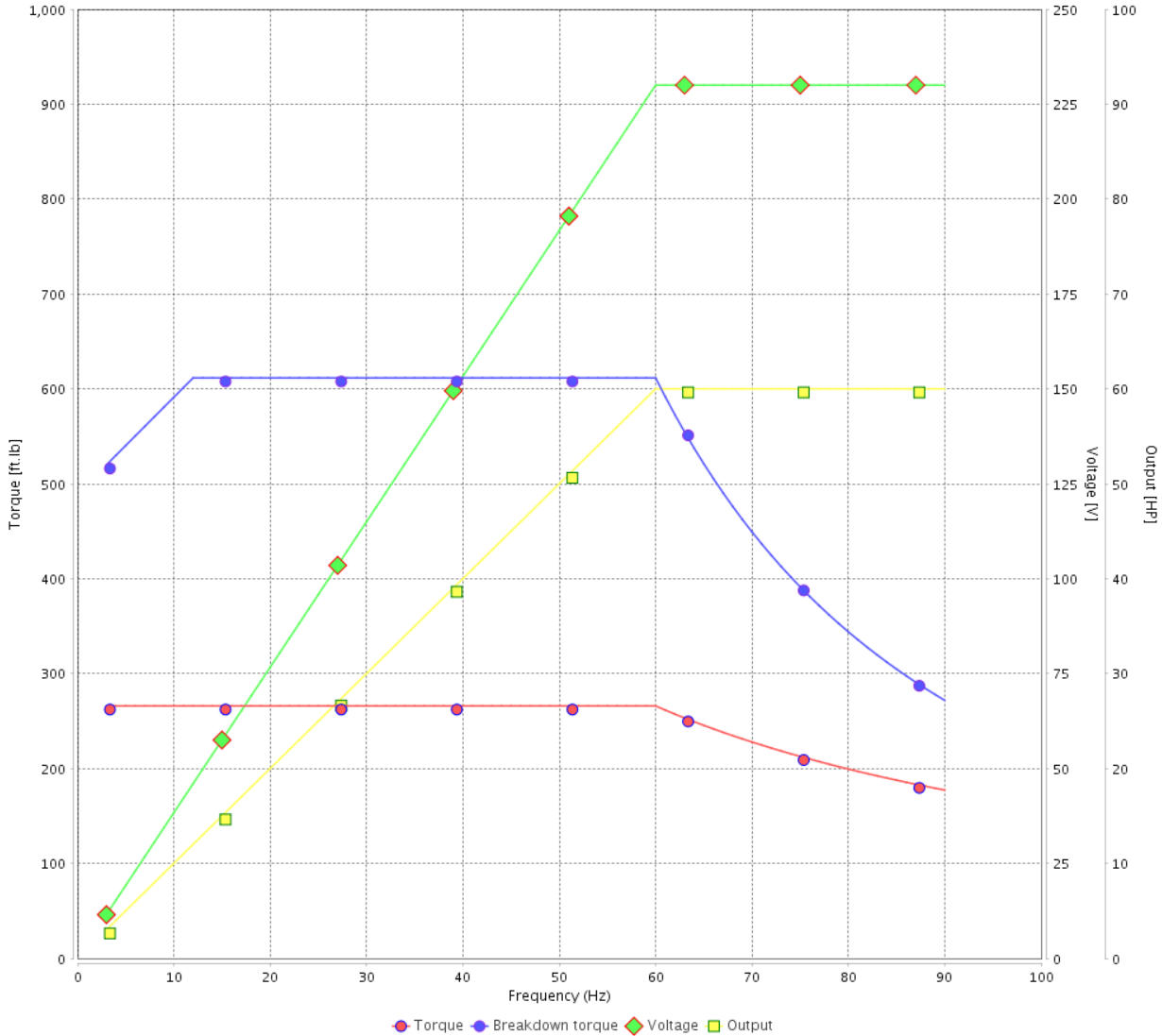
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22

VFD OPERATION CURVE



Performance : 230/460 V 60 Hz 6P

Rated current : 139/69.5 A
 LRC : 7.1
 Rated torque : 266 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 229 %
 Rated speed : 1185 rpm

Moment of inertia (J) : 36.9 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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

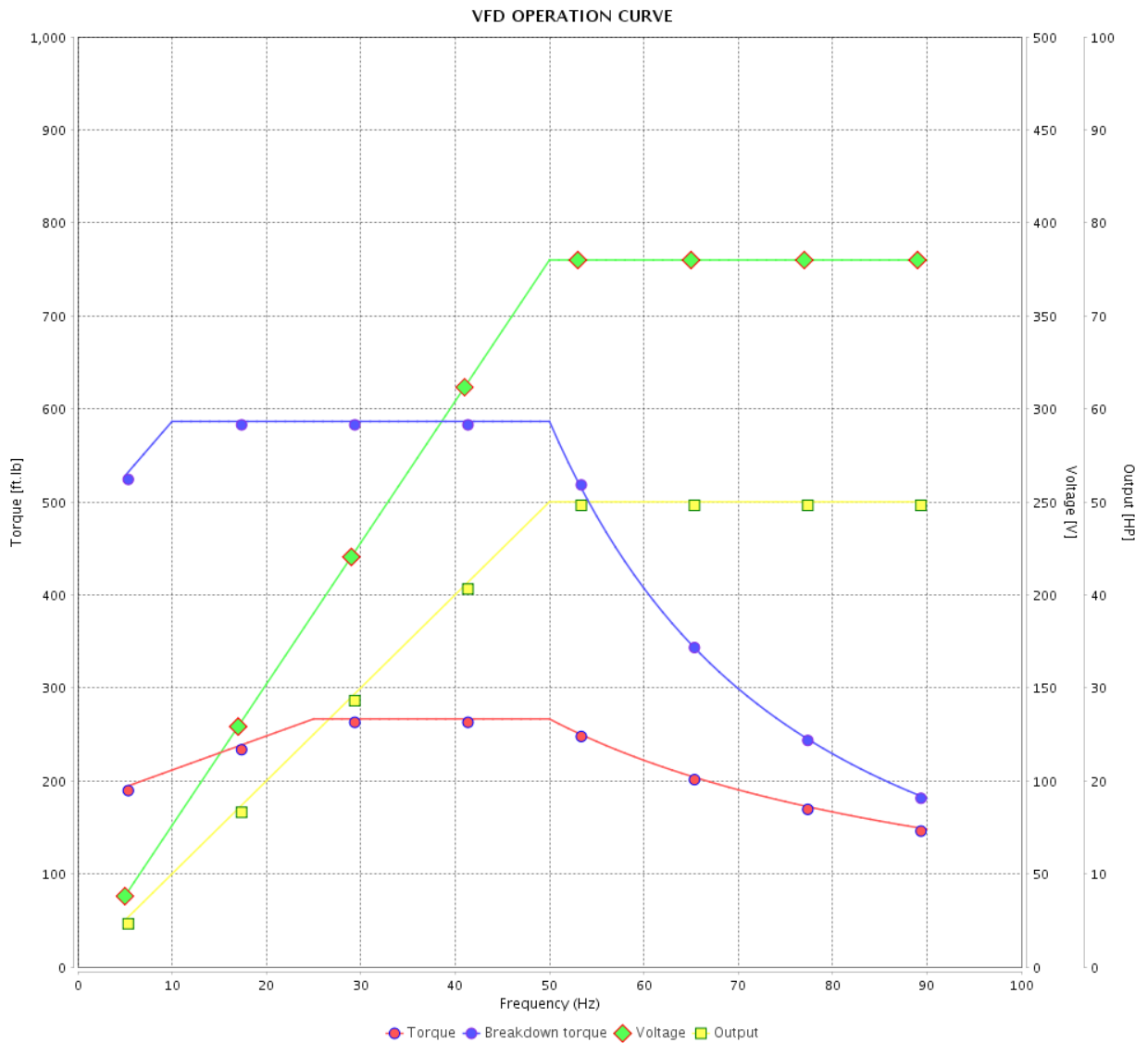
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 11355046
 Catalog # : 06012ET3E404T-W22



Performance : 380 V 50 Hz 6P IE3

Rated current	: 69.3 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 267 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 220 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B

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Performed by			Page 31 / 36	Revision
Checked by				
Date	12/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



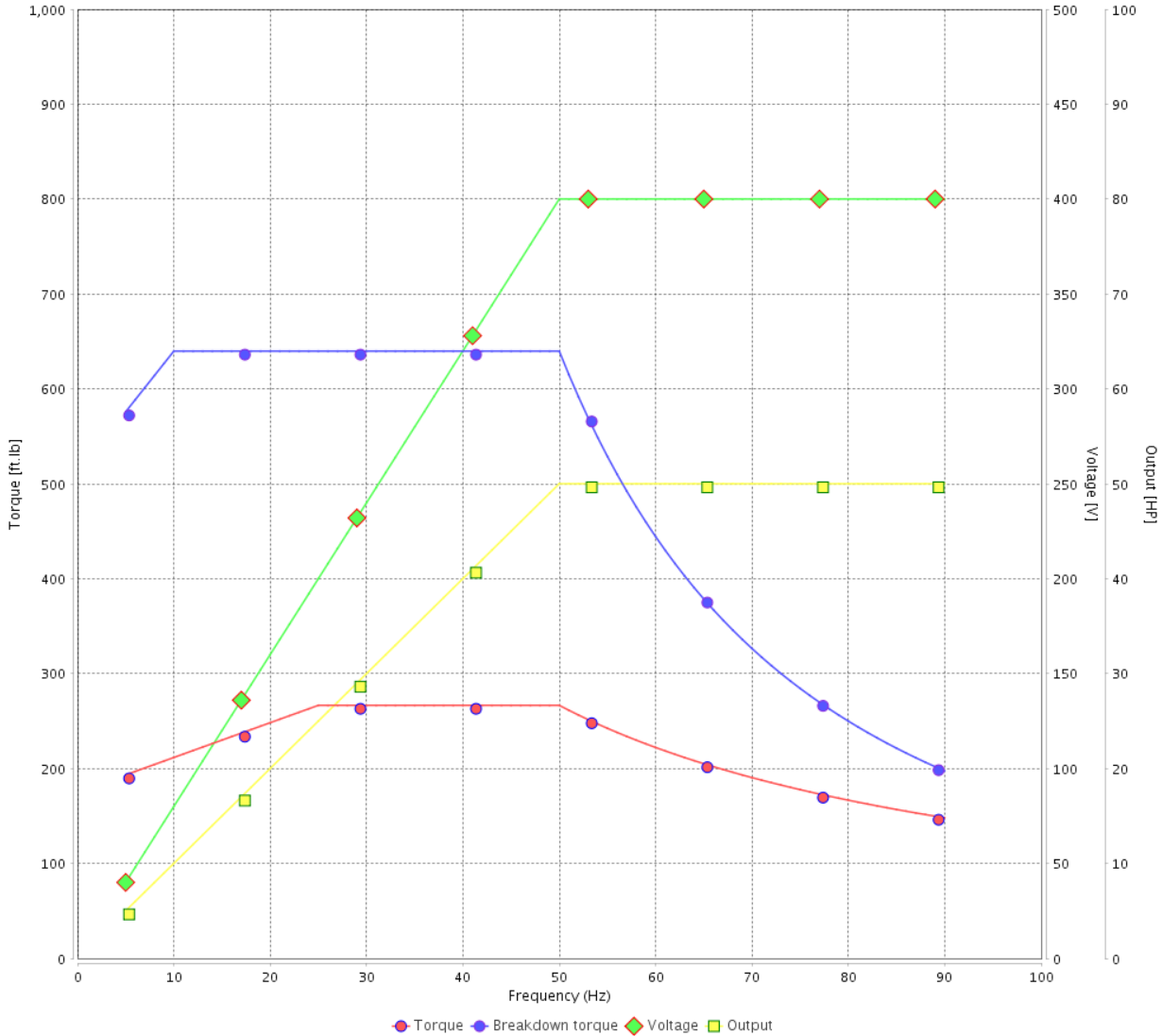
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22

VFD OPERATION CURVE



Performance : 400 V 50 Hz 6P IE3

Rated current : 66.5 A
 LRC : 7.3
 Rated torque : 267 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 240 %
 Rated speed : 985 rpm

Moment of inertia (J) : 36.9 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

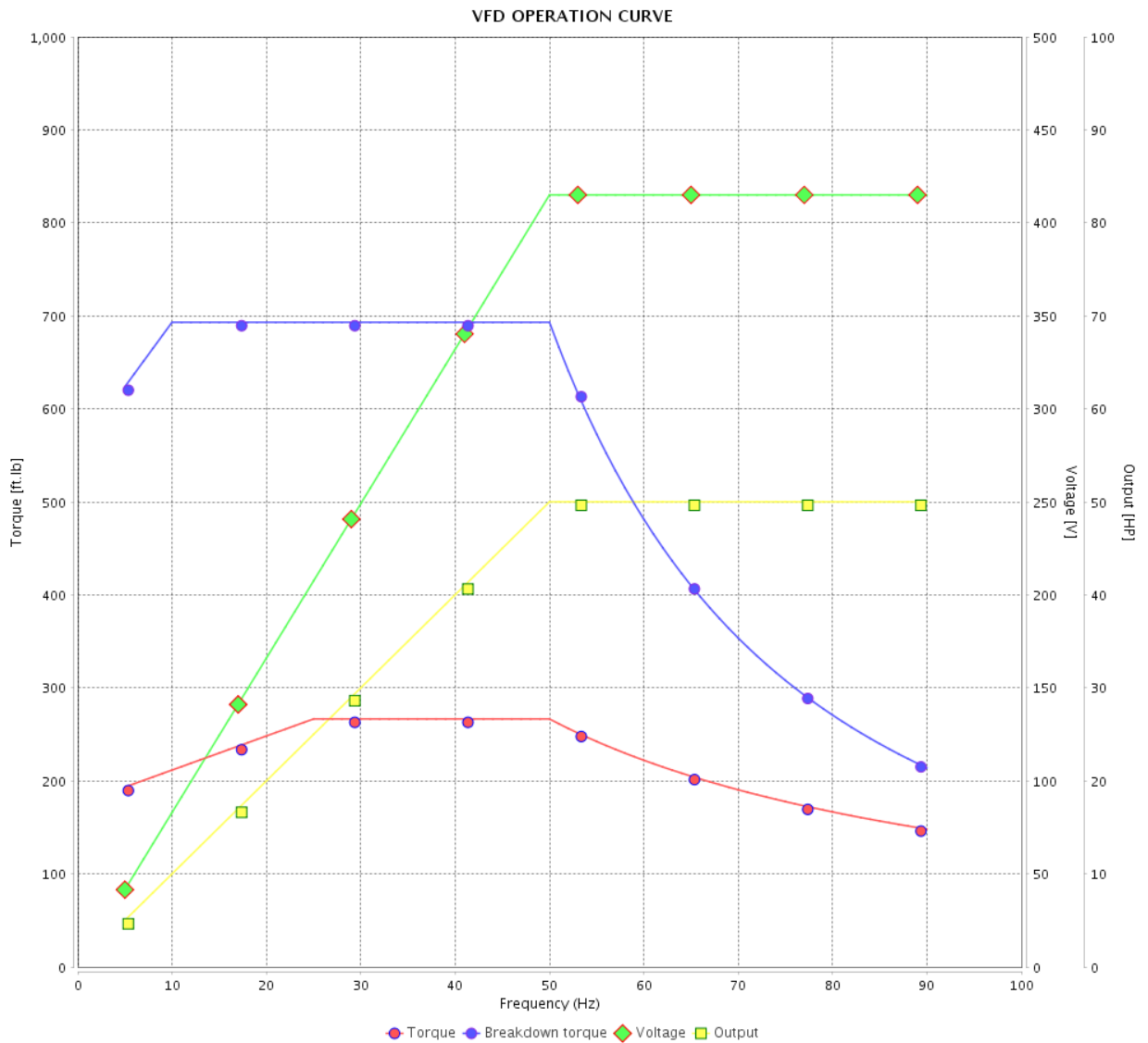


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22



Performance : 415 V 50 Hz 6P IE3

Rated current : 64.8 A
 LRC : 7.8
 Rated torque : 267 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 260 %
 Rated speed : 985 rpm

Moment of inertia (J) : 36.9 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 33 / 36	Revision
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



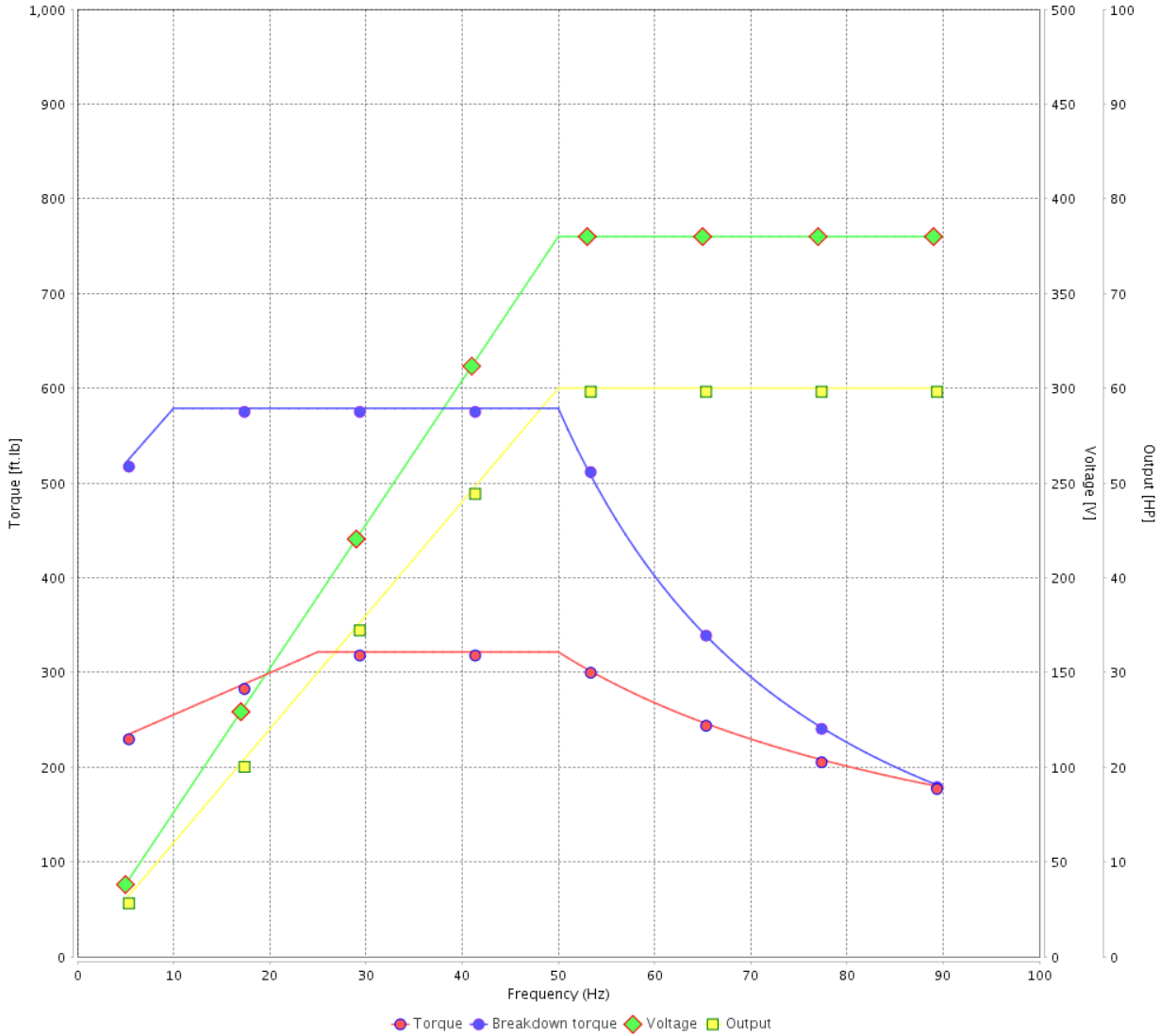
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22

VFD OPERATION CURVE



Performance : 380 V 50 Hz 6P IE1

Rated current : 85.1 A
 LRC : 5.6
 Rated torque : 322 ft.lb
 Locked rotor torque : 150 %
 Breakdown torque : 180 %
 Rated speed : 980 rpm

Moment of inertia (J) : 36.9 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
Performed by			Page	Revision
Checked by				
Date				

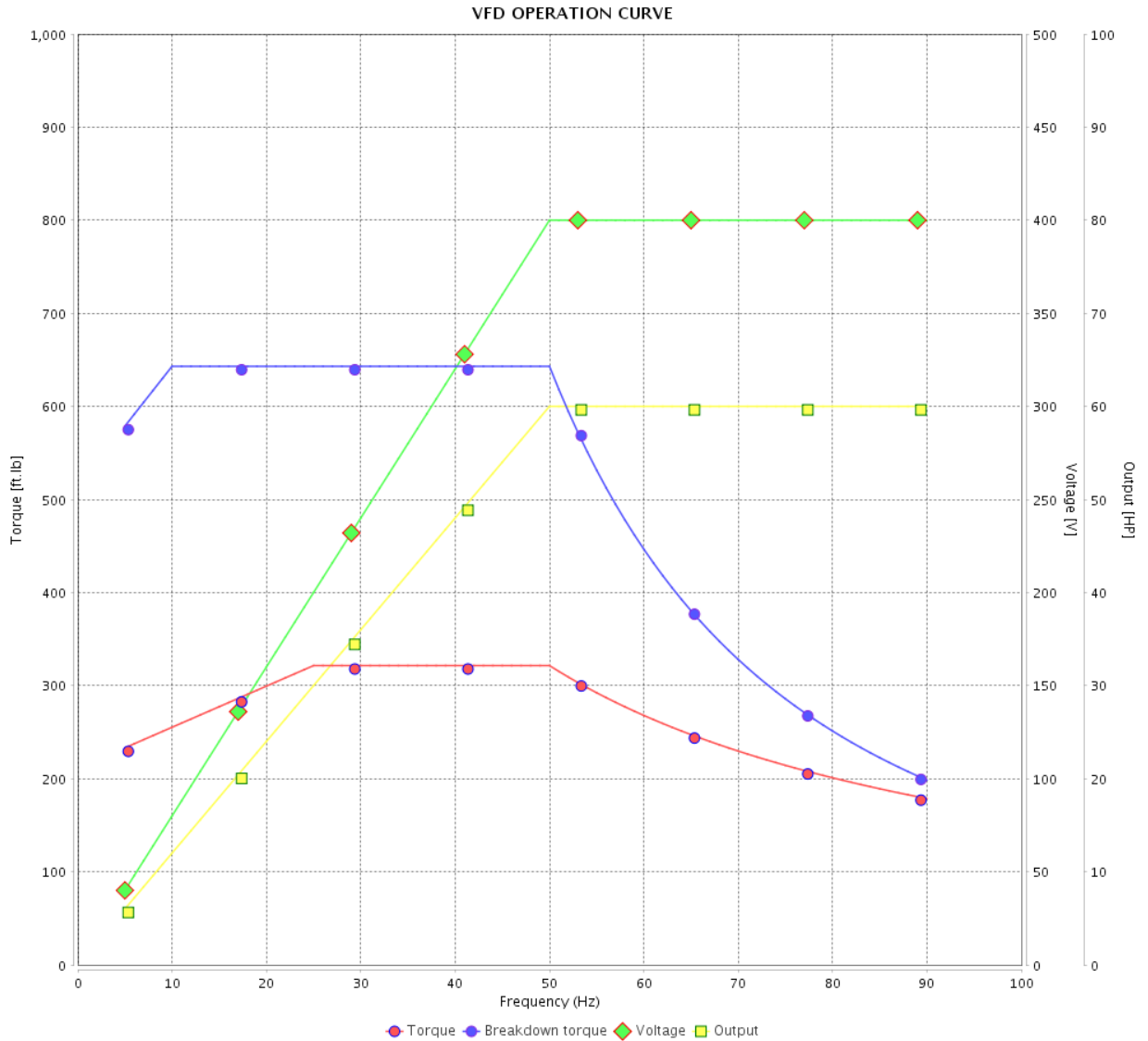
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 11355046
 Catalog # : 06012ET3E404T-W22



Performance : 400 V 50 Hz 6P IE2

Rated current	: 80.3 A	Moment of inertia (J)	: 36.9 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 322 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 200 %	Temperature rise	: 105 K
Rated speed	: 980 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 35 / 36	Revision
Checked by				
Date	12/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



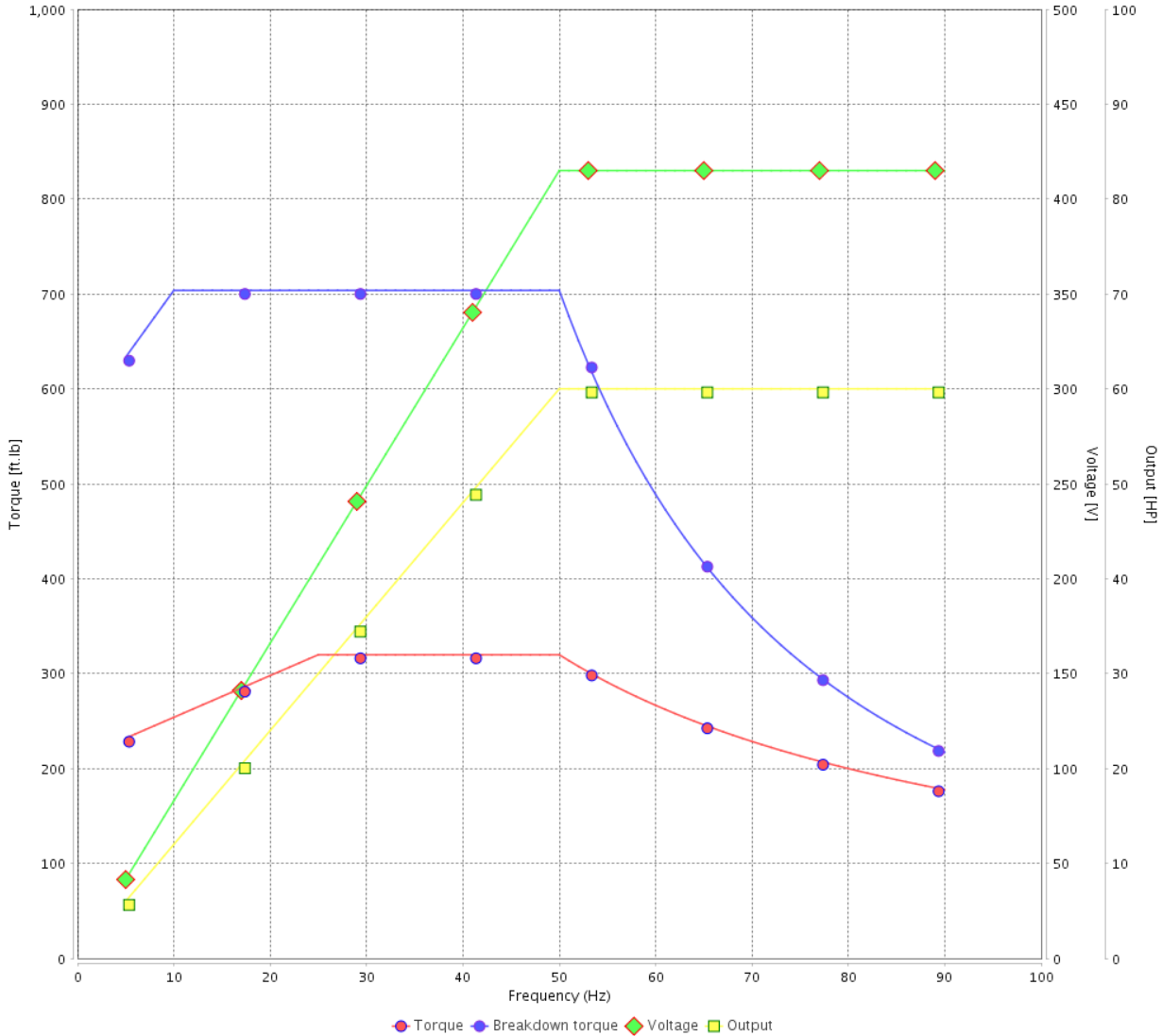
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11355046

Catalog # : 06012ET3E404T-W22

VFD OPERATION CURVE



Performance : 415 V 50 Hz 6P IE2

Rated current : 78.3 A
 LRC : 6.7
 Rated torque : 320 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 220 %
 Rated speed : 985 rpm

Moment of inertia (J) : 36.9 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

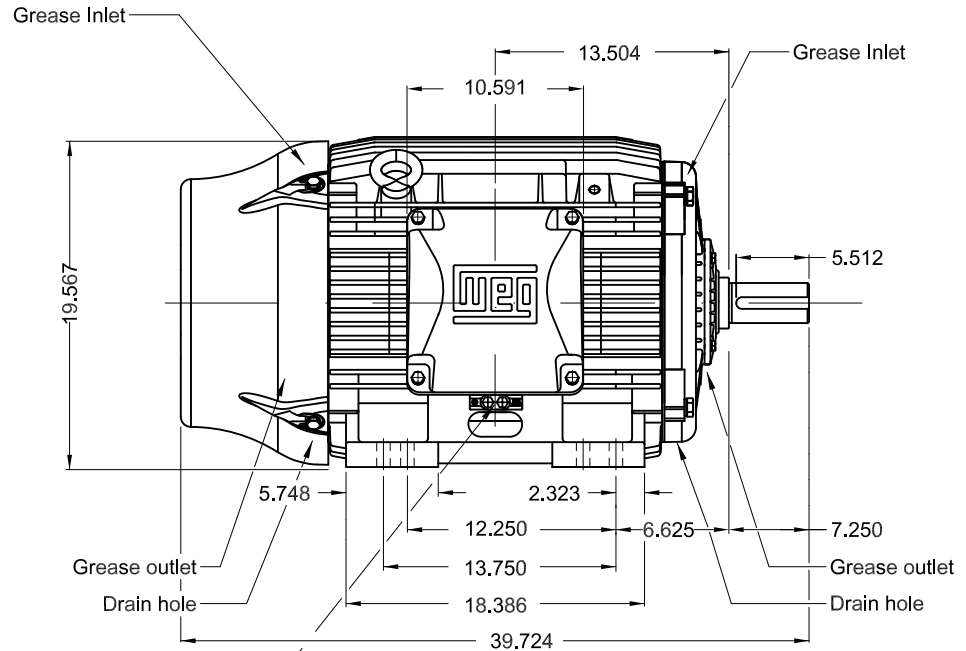
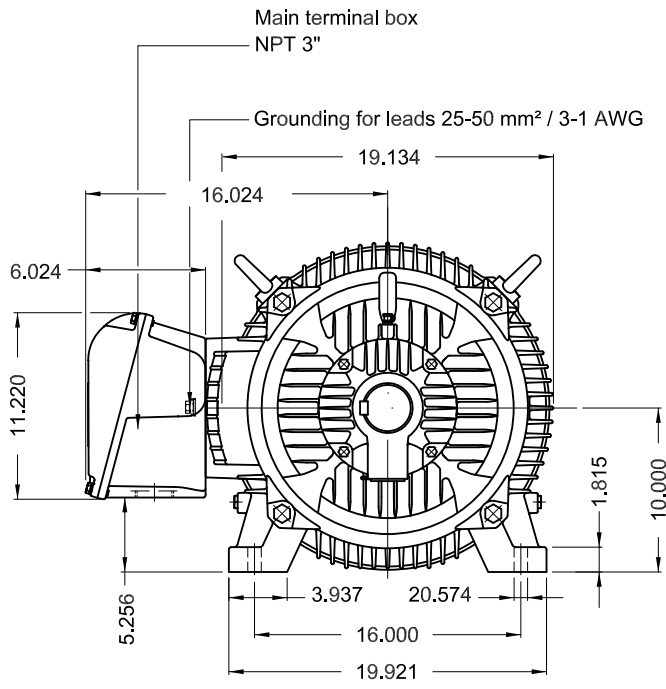
Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 36 / 36	Revision
Checked by				
Date	12/04/2022			

1 2 3 4 5 6

A

B

C

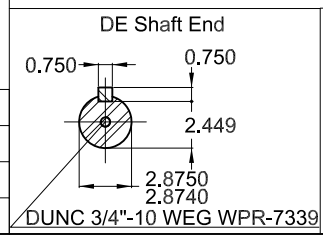


Grounding for leads 25-185 mm² / 3AWG-350MCM

D

E

Without vertical jackscrews
 Color RAL 5009
 Painting plan 203A
 Mounting B3R(D)



60 HP 06 Poles 60 Hz A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER	THREE PH. MOTOR W22 PREM. EFF.					
CHECKED		FRAME 404/5T IP55 TEFC					
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1		

PREVIEW
 WDD





FOR SAFE AREA
Mod.TE1BFOXON
CC029A



For use on 60Hz
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 - T4
For use on PWM: Gr. A, B, C, D and F,
VT 1000:1, CT 20:1, 1.00SF - T3A

MODEL 06012ET3E404T-W22

Inverter Duty Motor
Severe Duty

PH3 60Hz Fr. 404/5T 1000m.a.s.l. IP55 TEFC 1142lb

V 230/460

A 139/69.5

HP 60

kW 45

SF 1.25

SFA 174/86.9

RPM 1185

PF 0.86

AMB 40°C

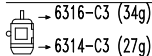
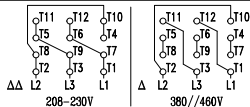
INS cl. F DT80K NEMA NOM EFF 94.5%

DUTY CONT.

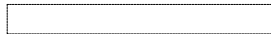
DES B Code H

USABLE @208V 154A SF 1.10 SFA 169

60HP 45kW 50Hz 380V 85.1A 980RPM SF 1.00 EFF 92.4% (IE1)



MOBIL POLYREX EM (16000h)



MADE IN BRAZIL
11355046