

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer							
Product line		: NEMA Premium Efficiency Three-Phase		Product code :		14335224	
				Catalog # :		06012ET3G404T-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		: 1135 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]	460	380	400	415	380	400	415
Rated current [A]	69.5	69.3	66.5	64.8	85.1	80.3	78.3
L. R. Amperes [A]	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]	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 : 1545 lb		
	: WSeal		: WSeal		Max. compression : 2680 lb		
	: 16000 h		: 17000 h				
	: 34 g		: 27 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



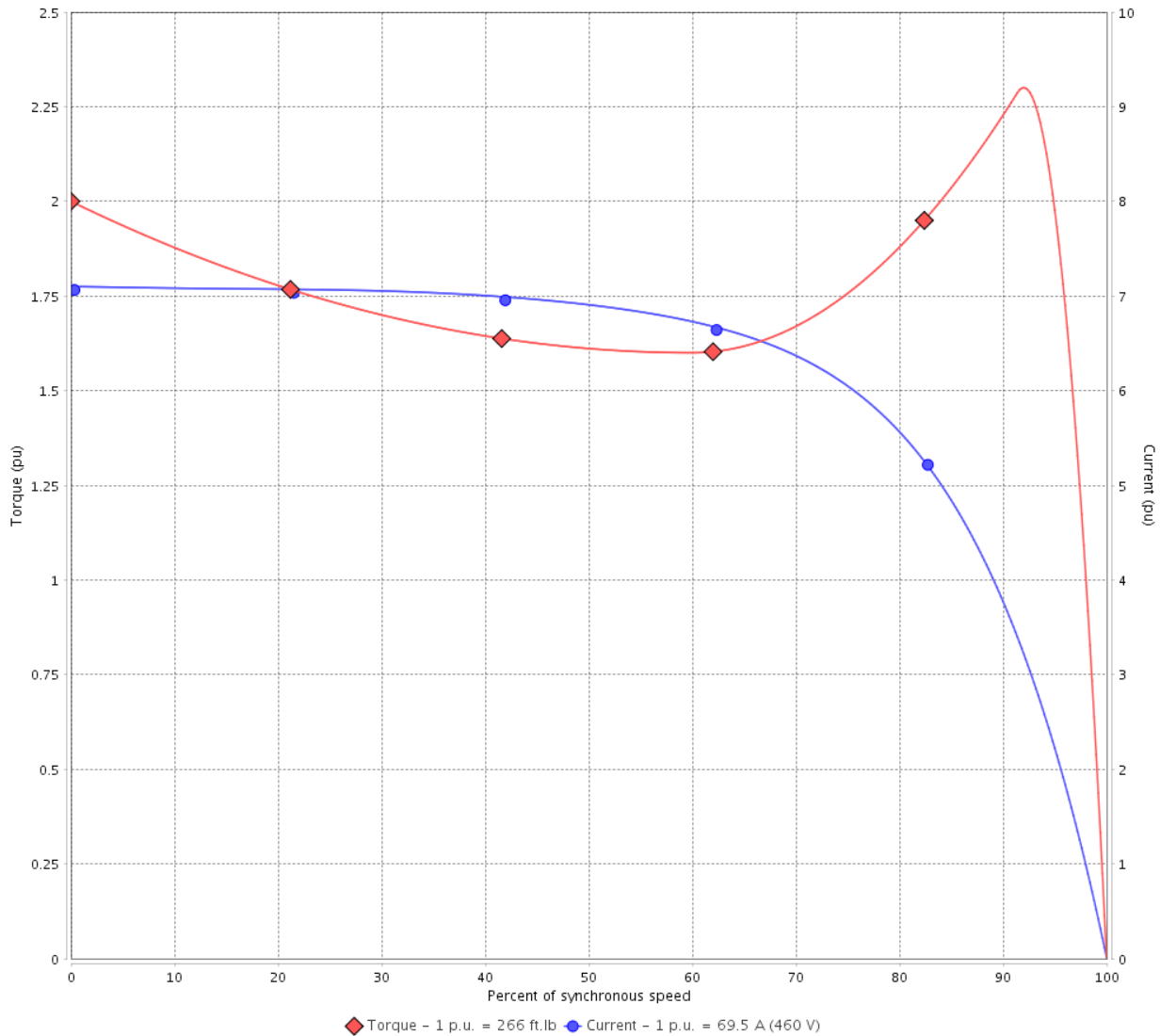
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 460 V 60 Hz 6P

Rated current	: 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



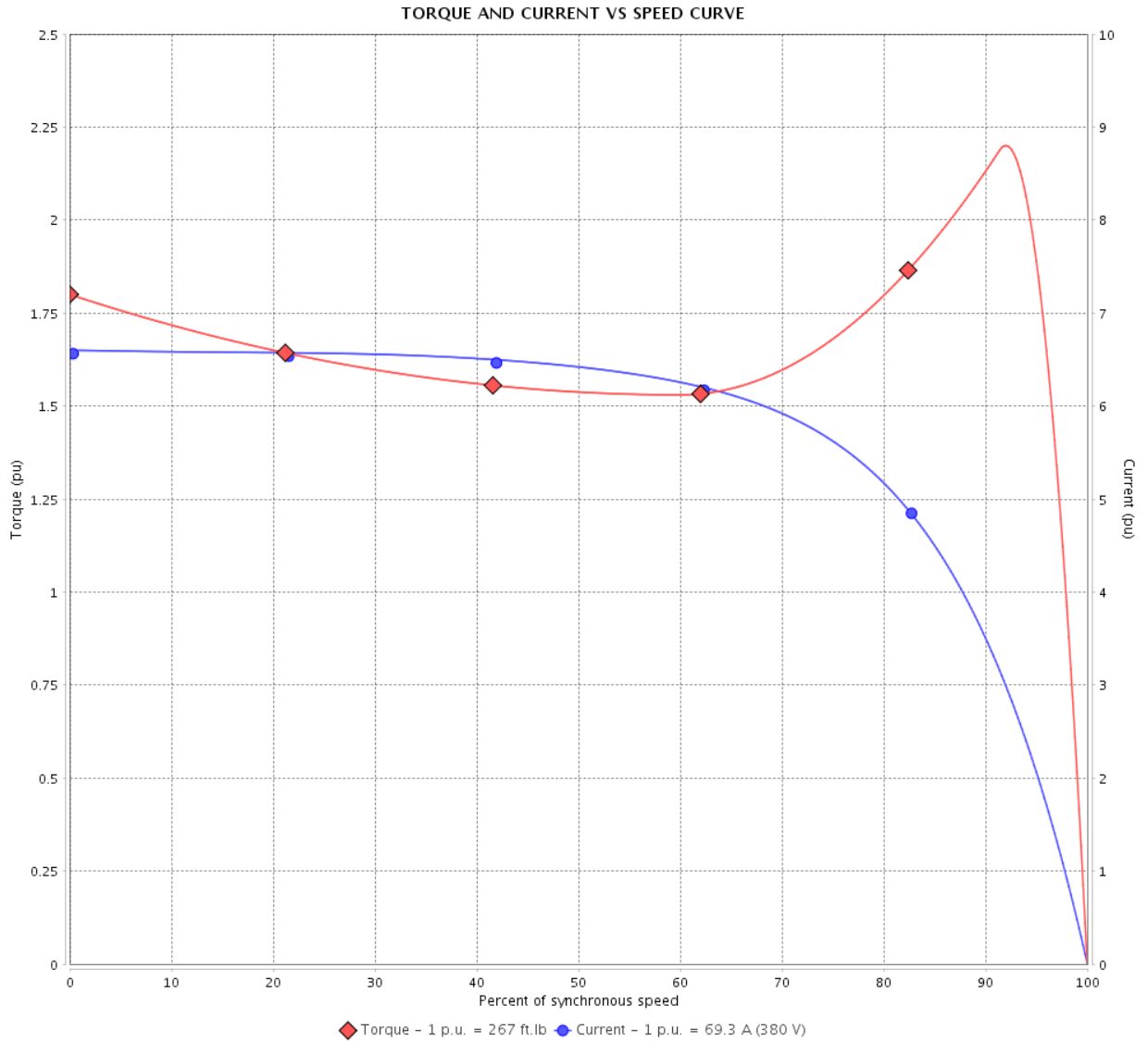
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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



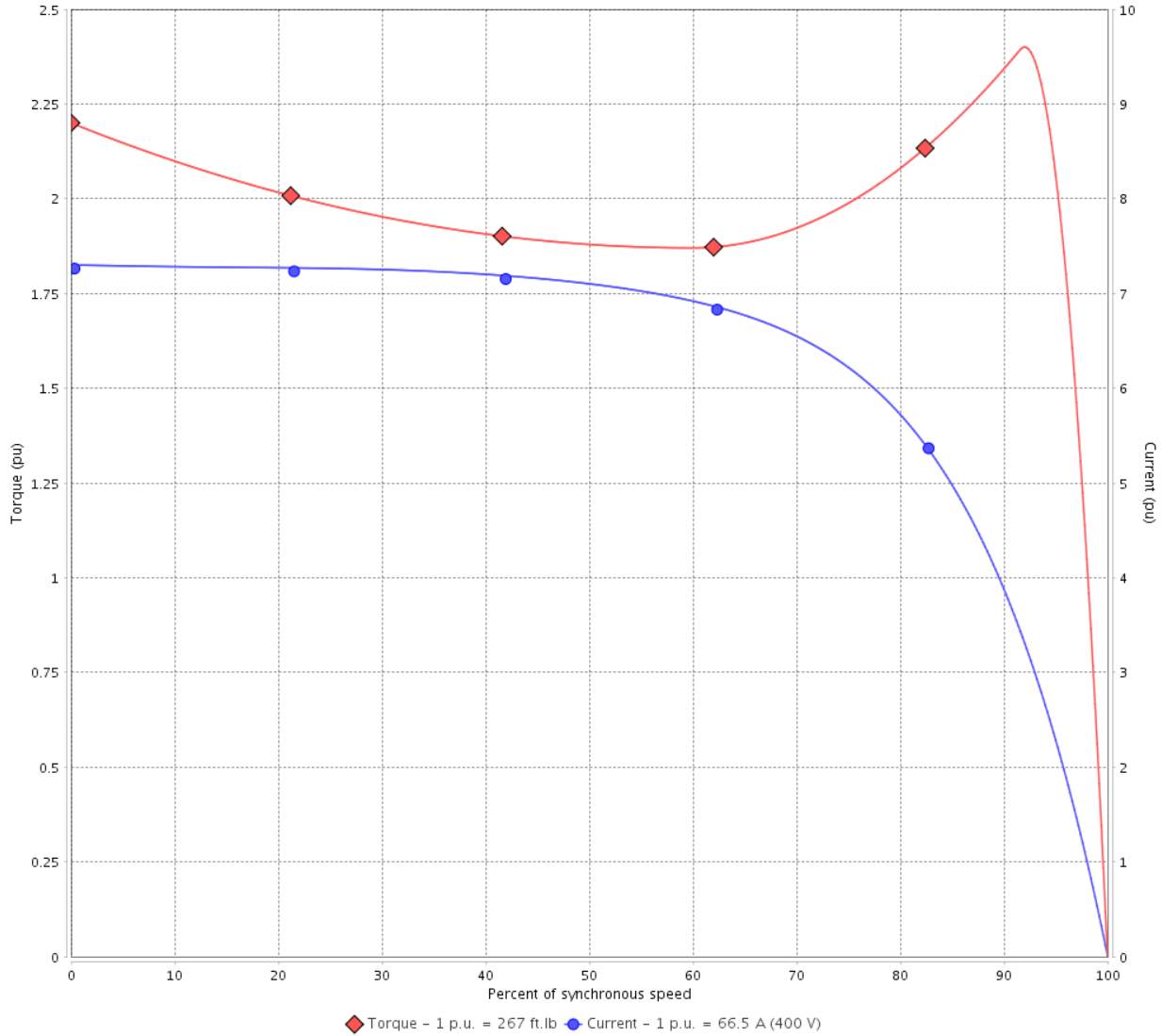
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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



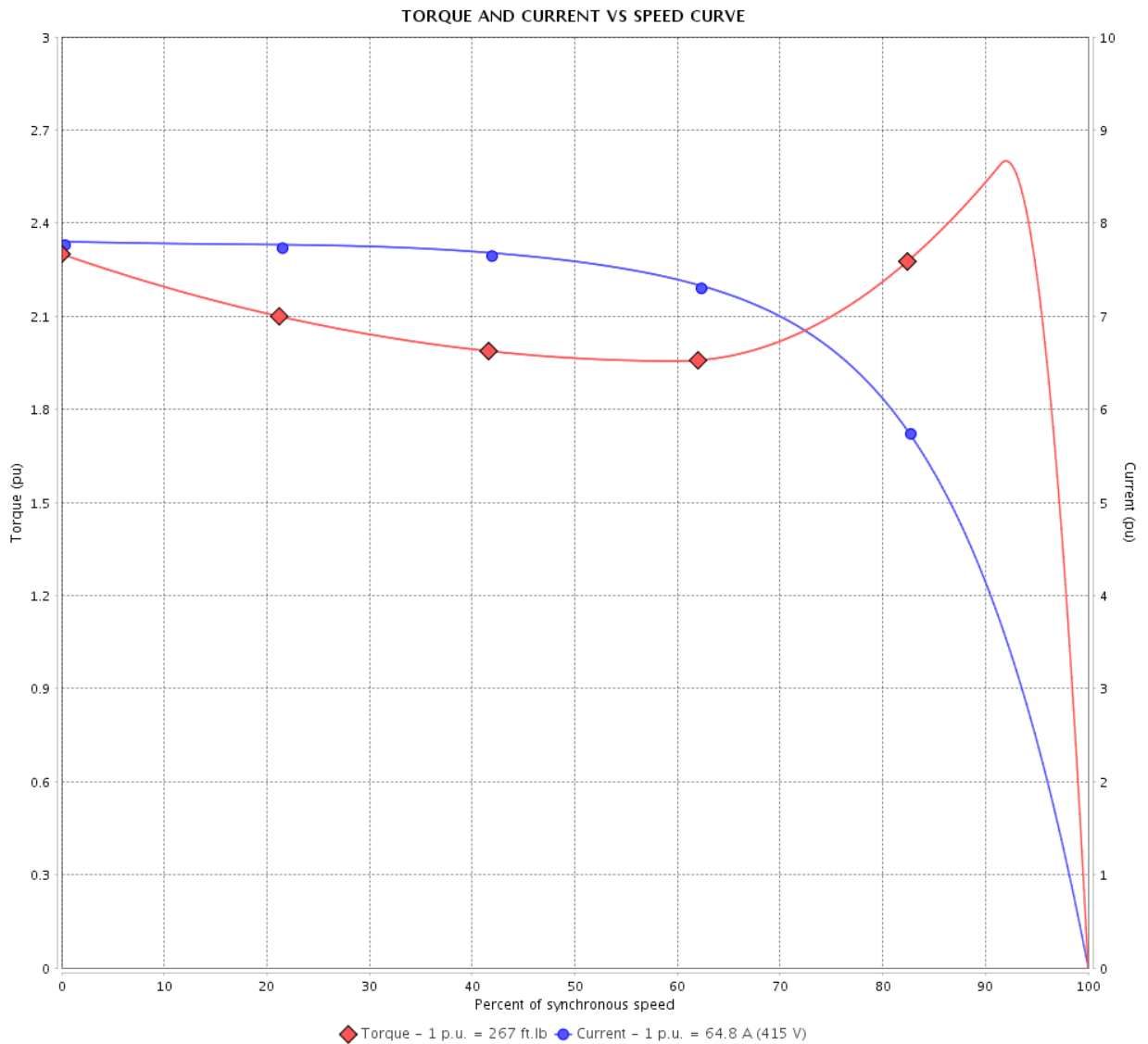
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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



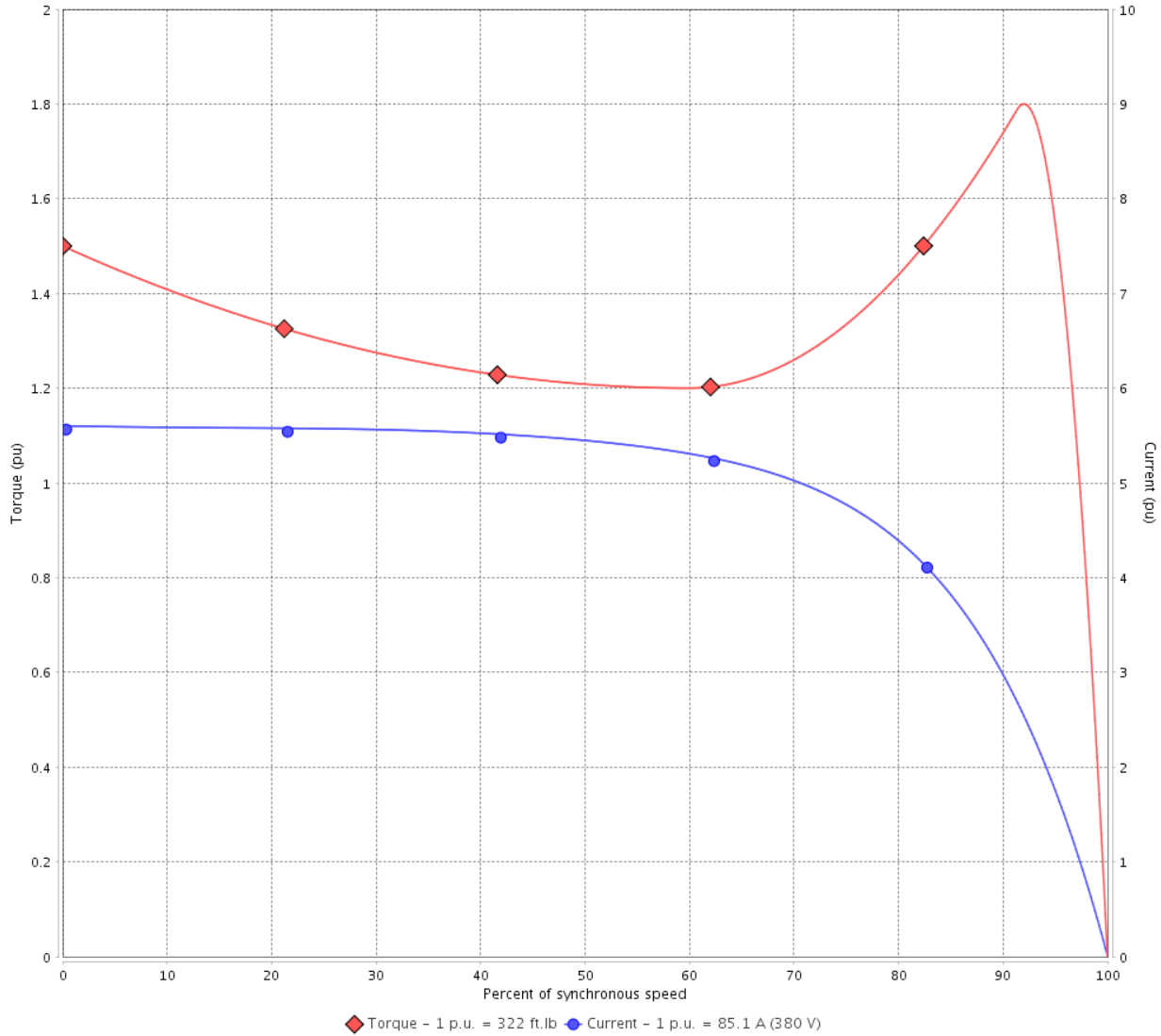
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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



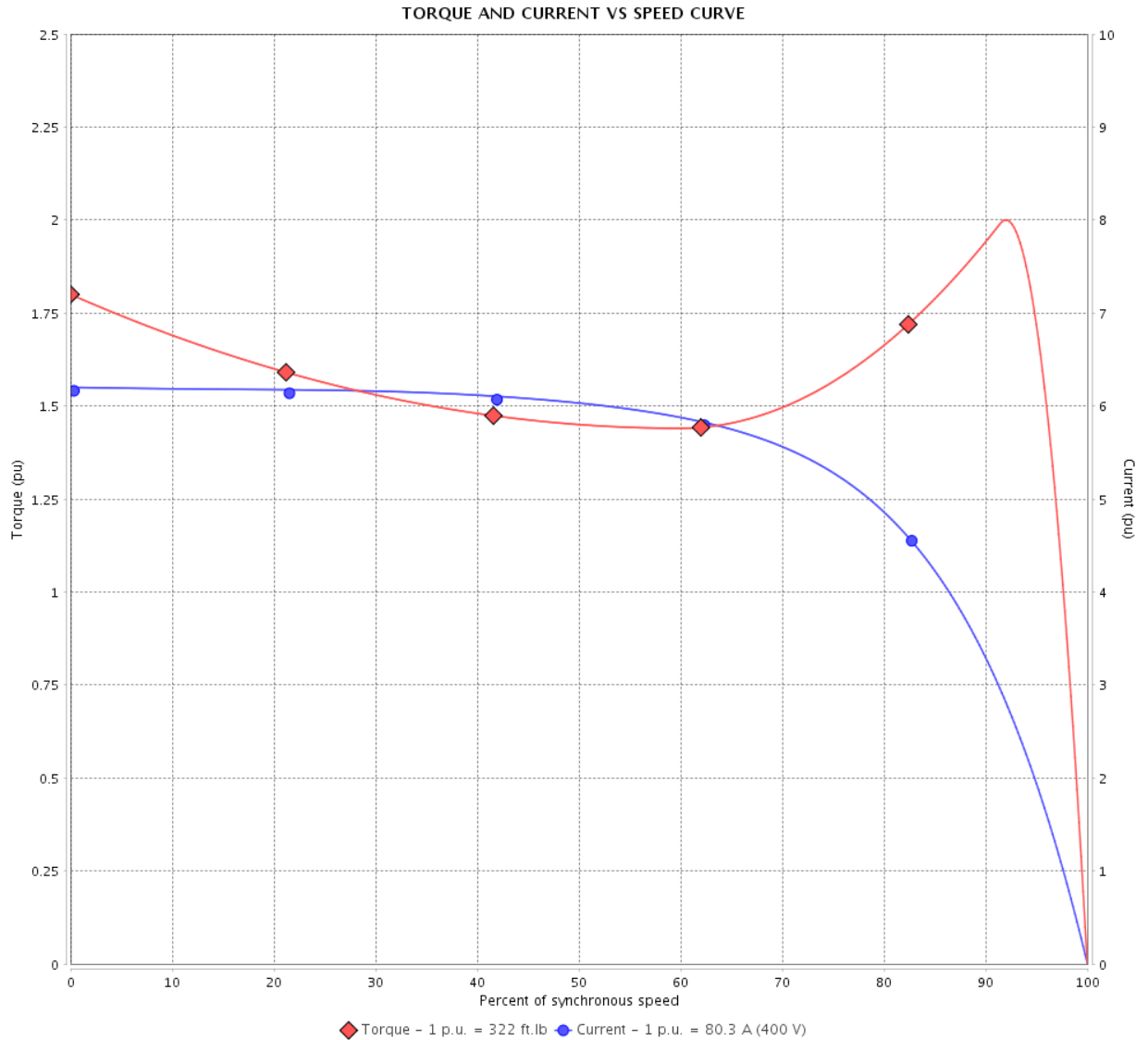
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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



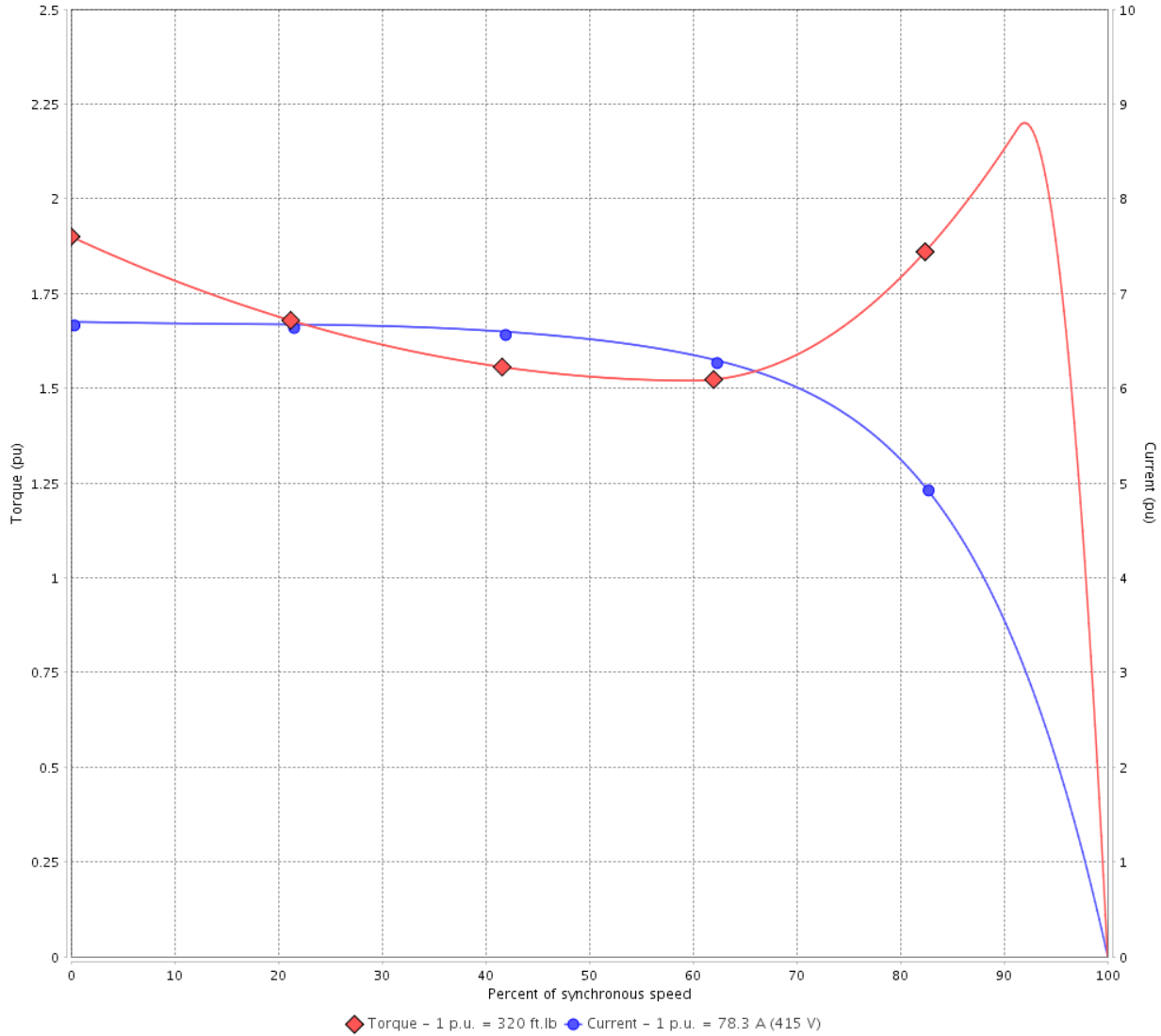
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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

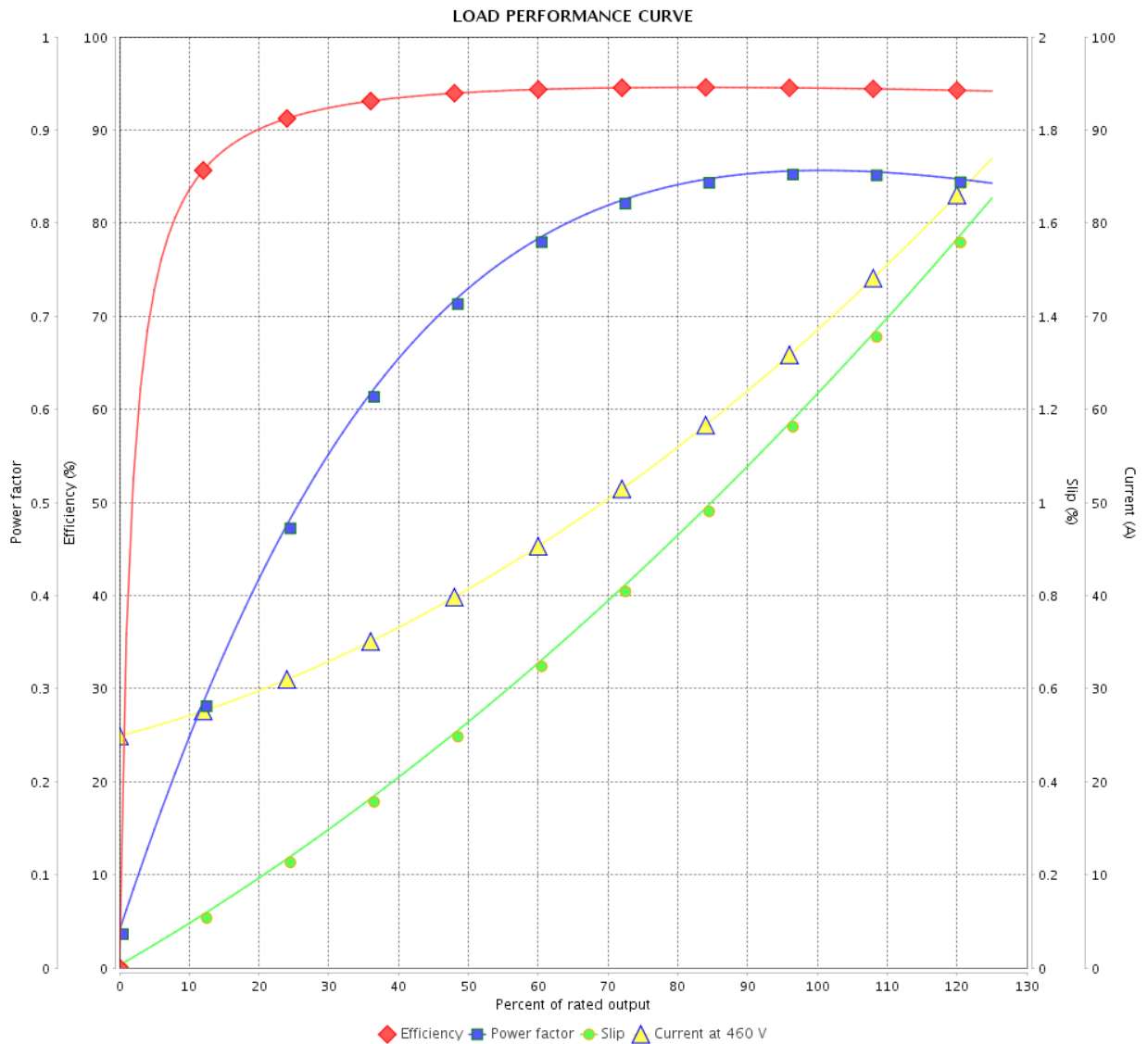


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-W22



Performance : 460 V 60 Hz 6P

Rated current : 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

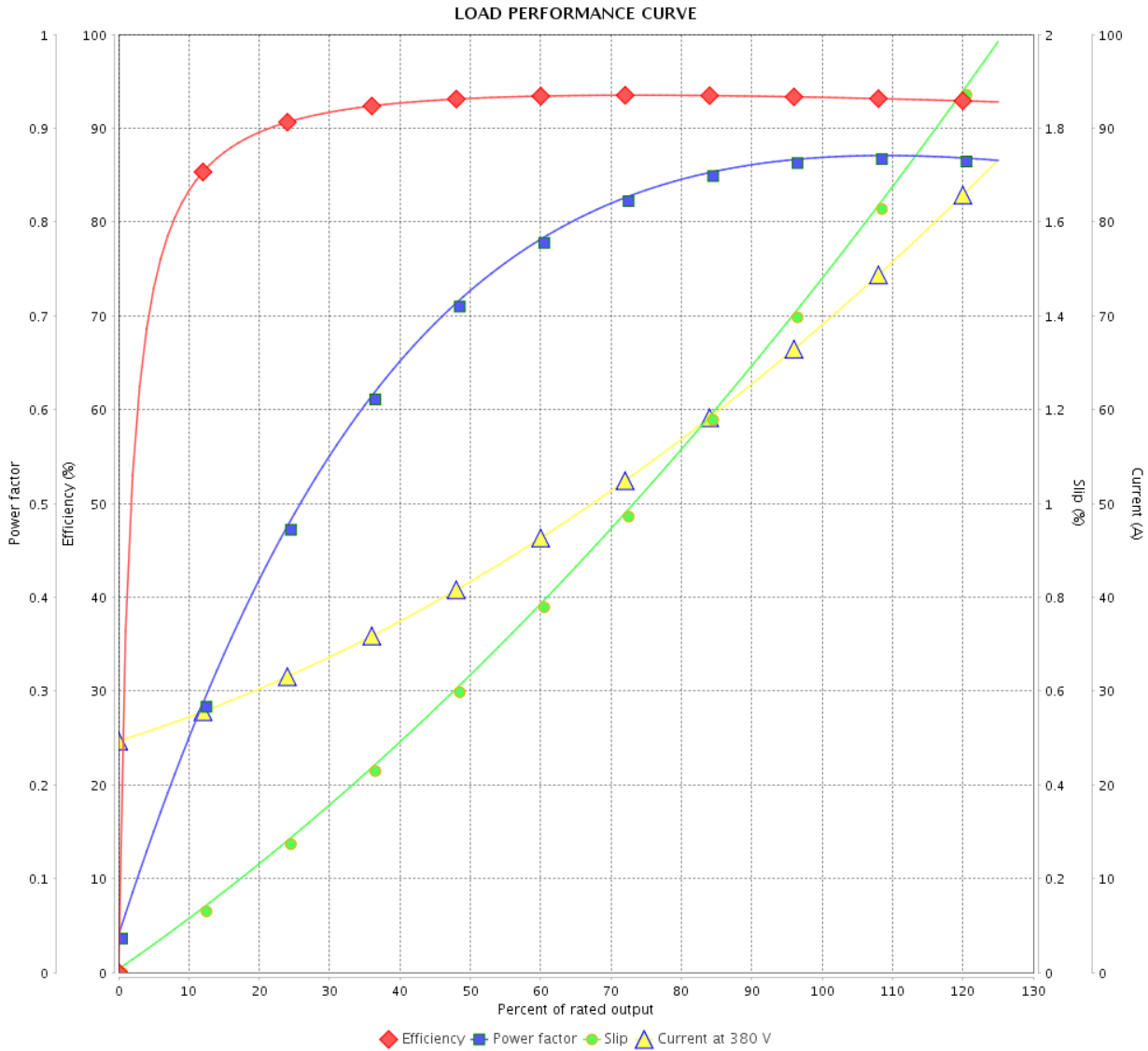


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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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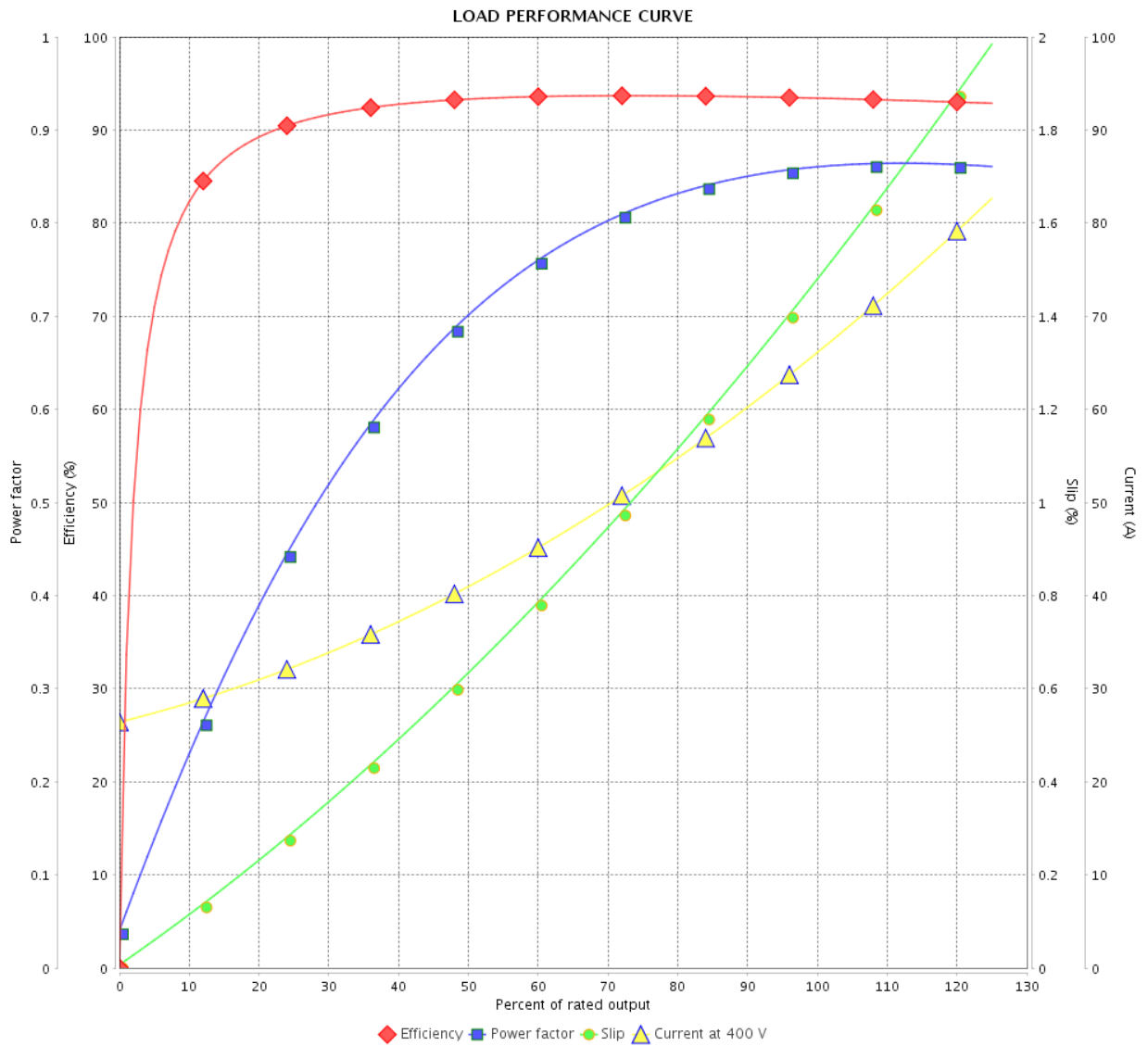


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-W22



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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Three Phase Induction Motor - Squirrel Cage

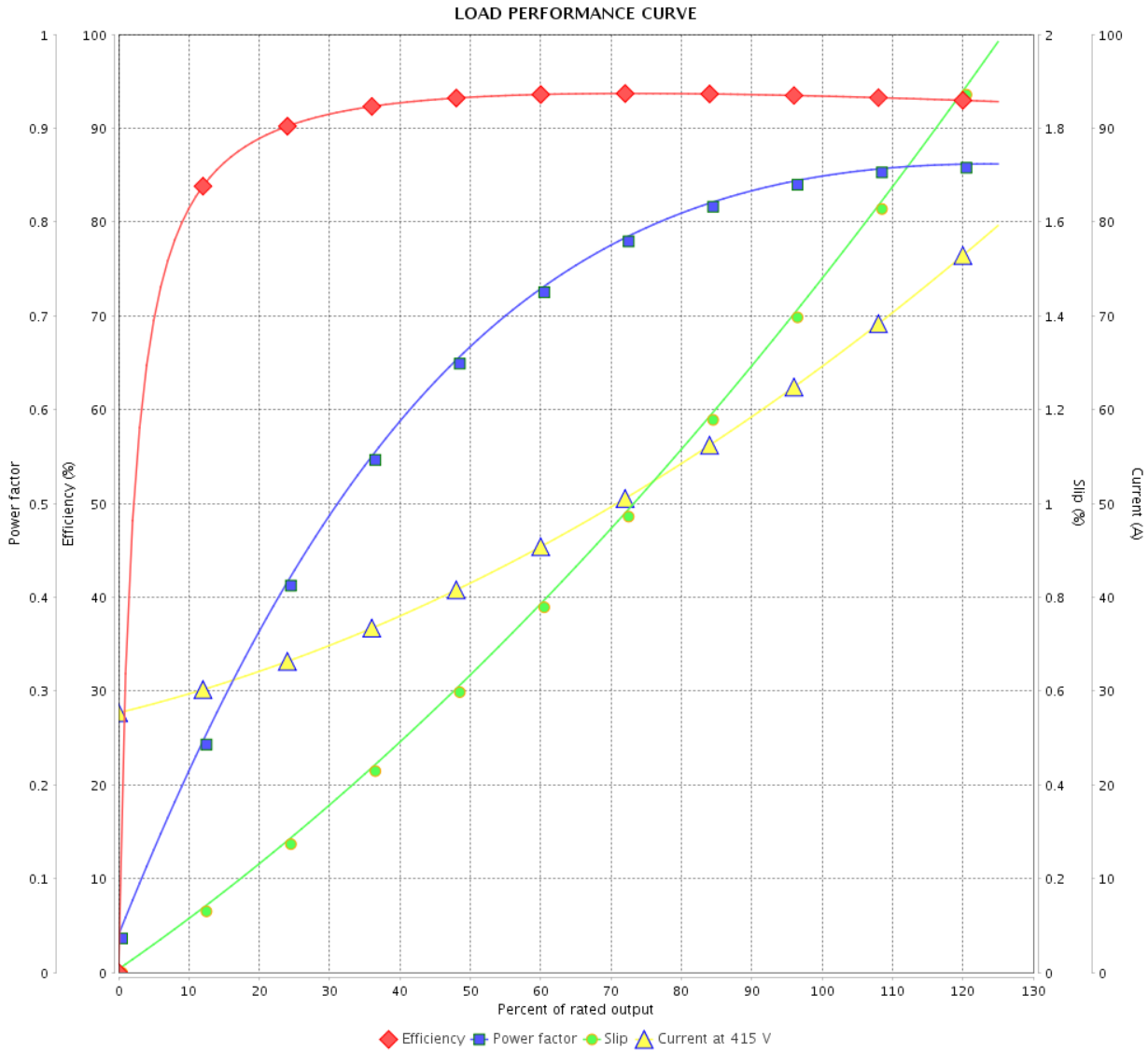


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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

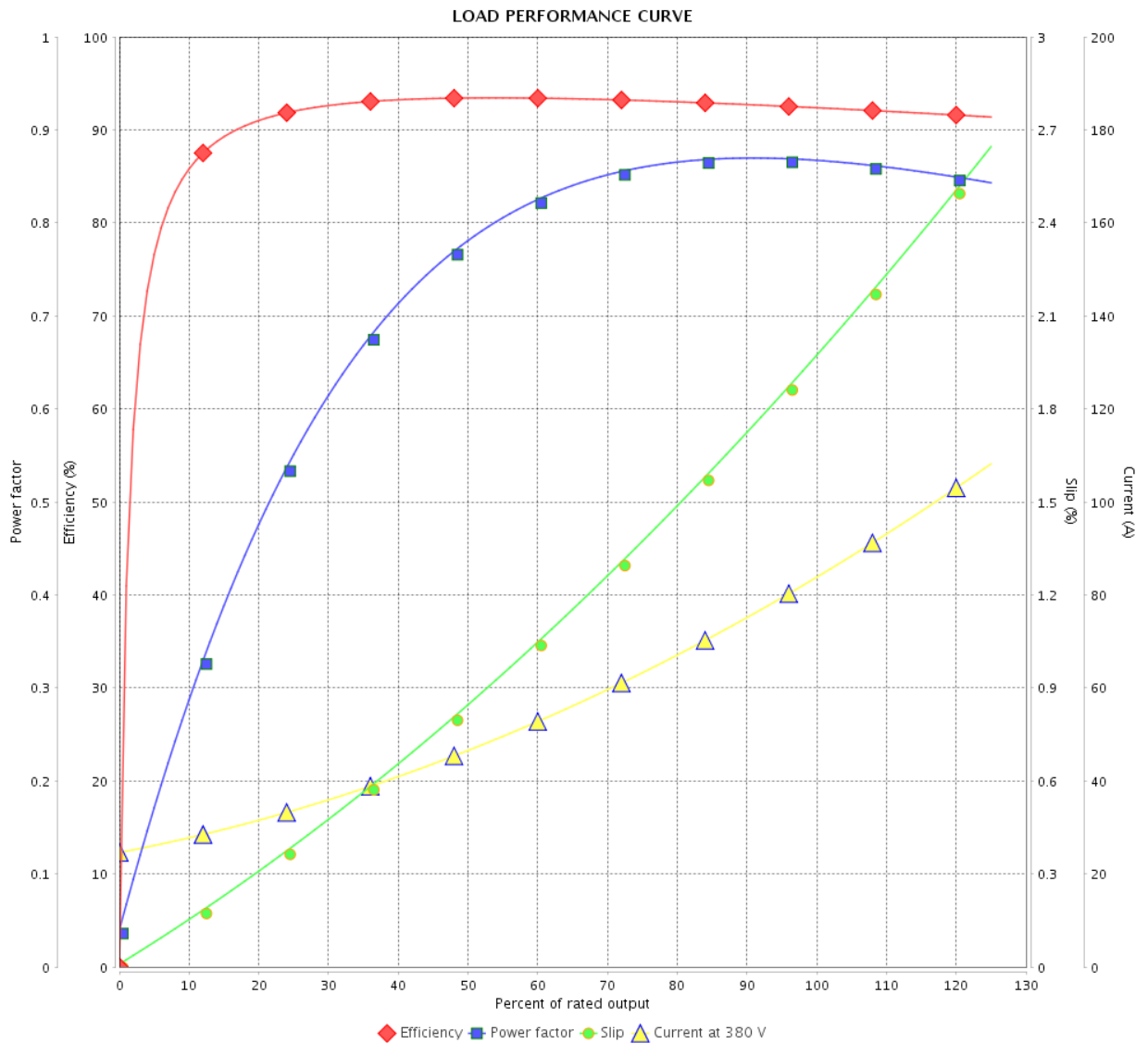


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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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Three Phase Induction Motor - Squirrel Cage



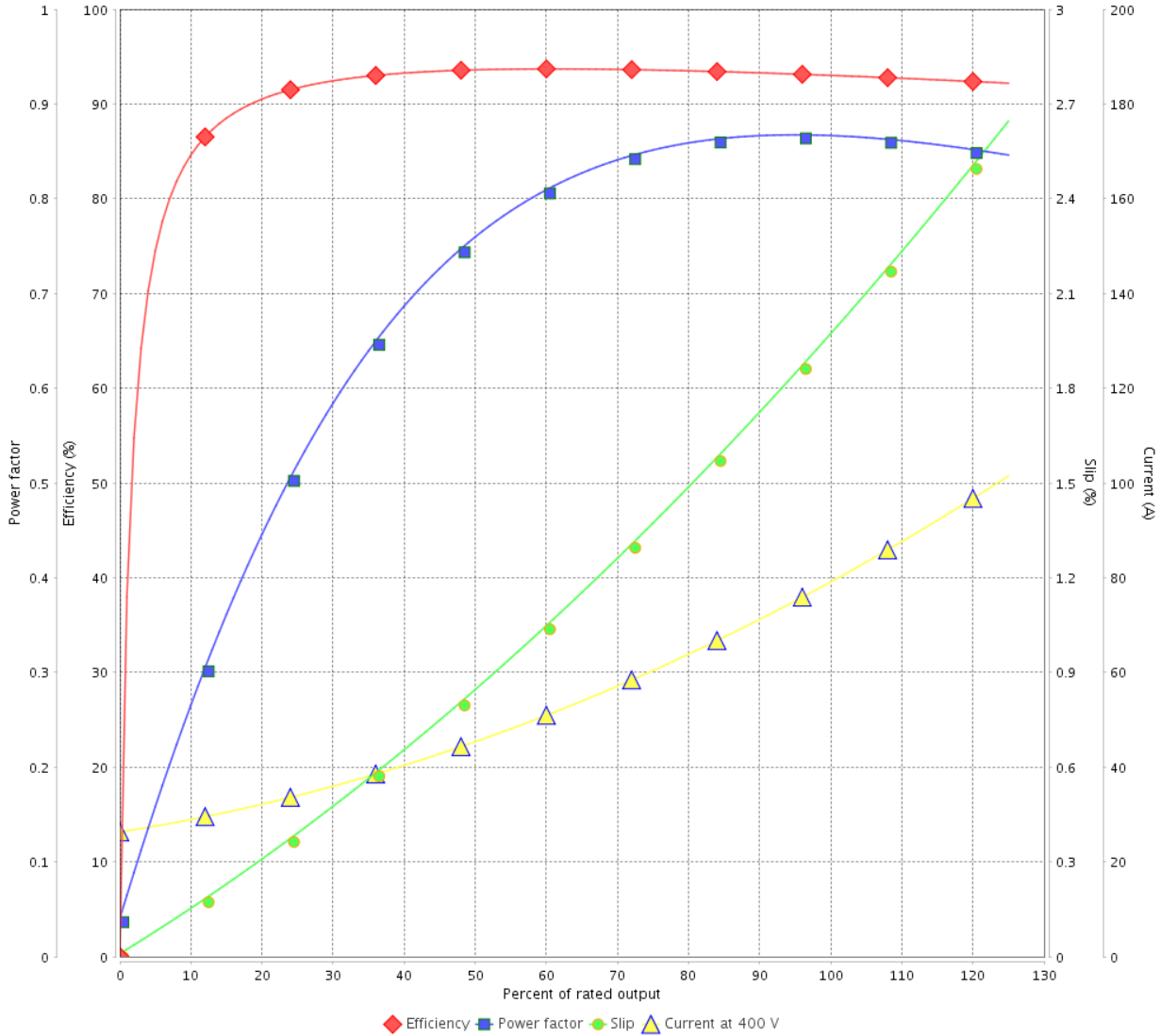
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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

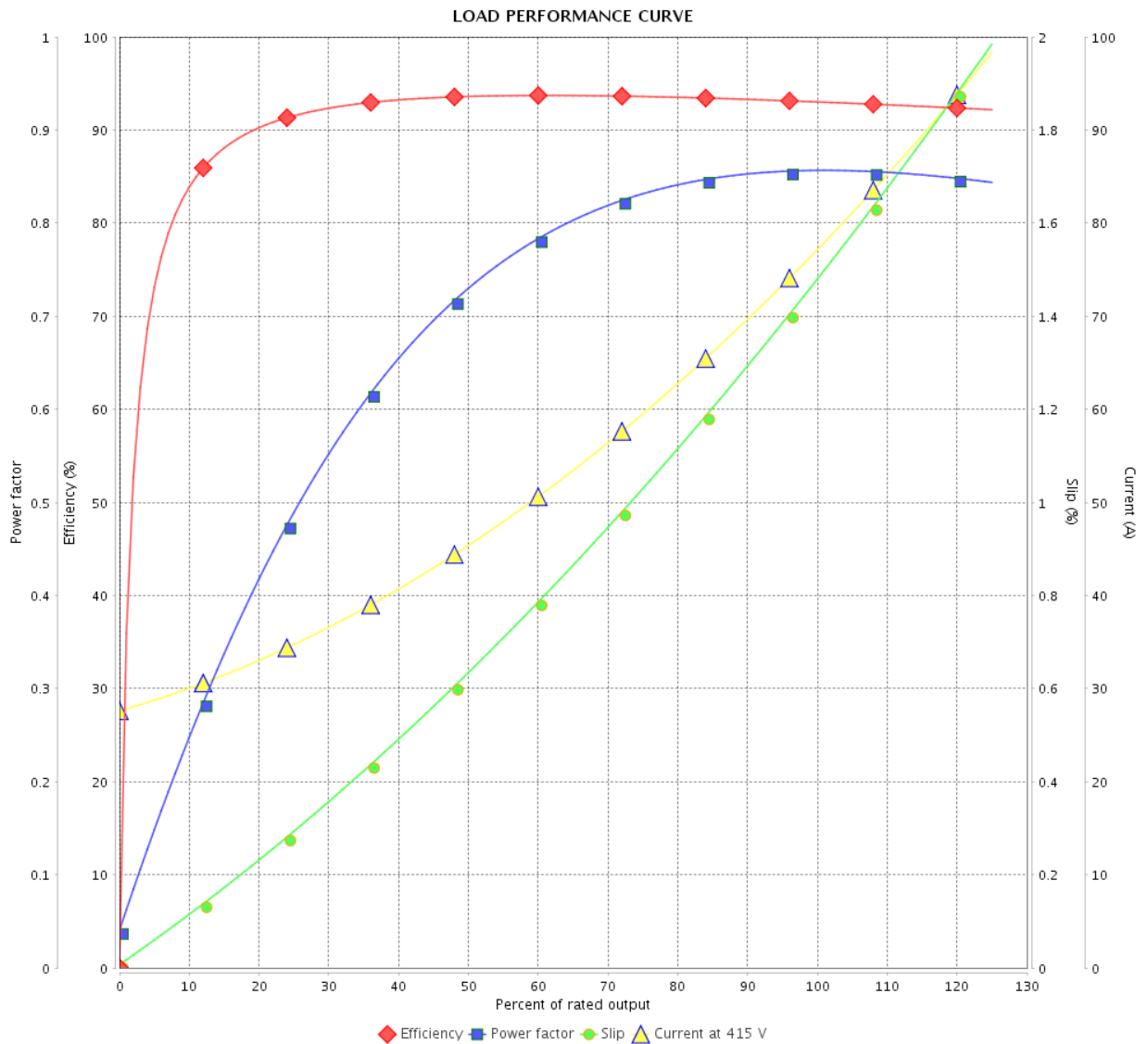


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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 : 14335224
 Catalog # : 06012ET3G404T-W22

Performance : 460 V 60 Hz 6P

Rated current : 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

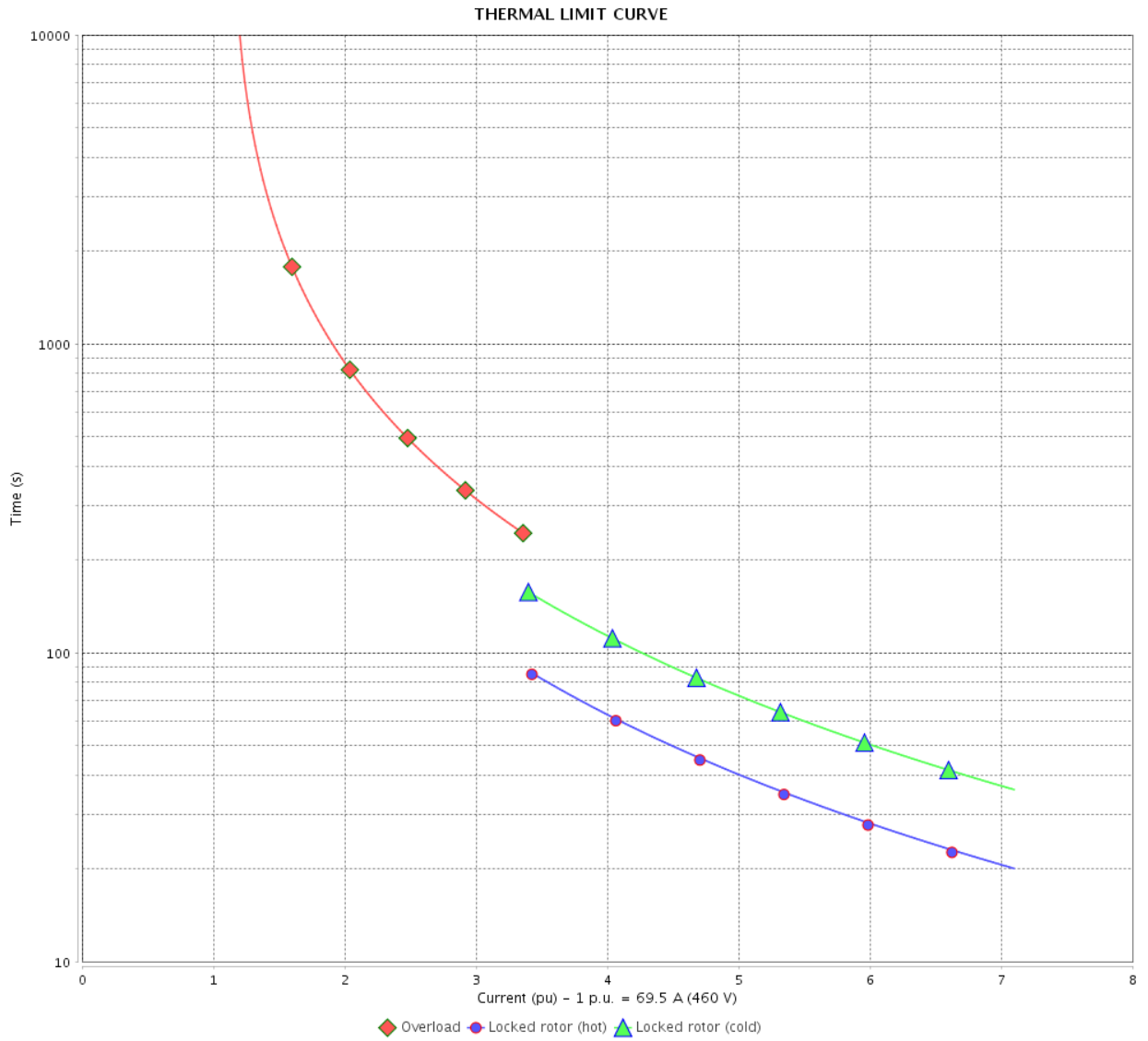
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage

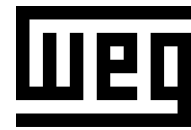


Customer : _____



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 14335224
Catalog # : 06012ET3G404T-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

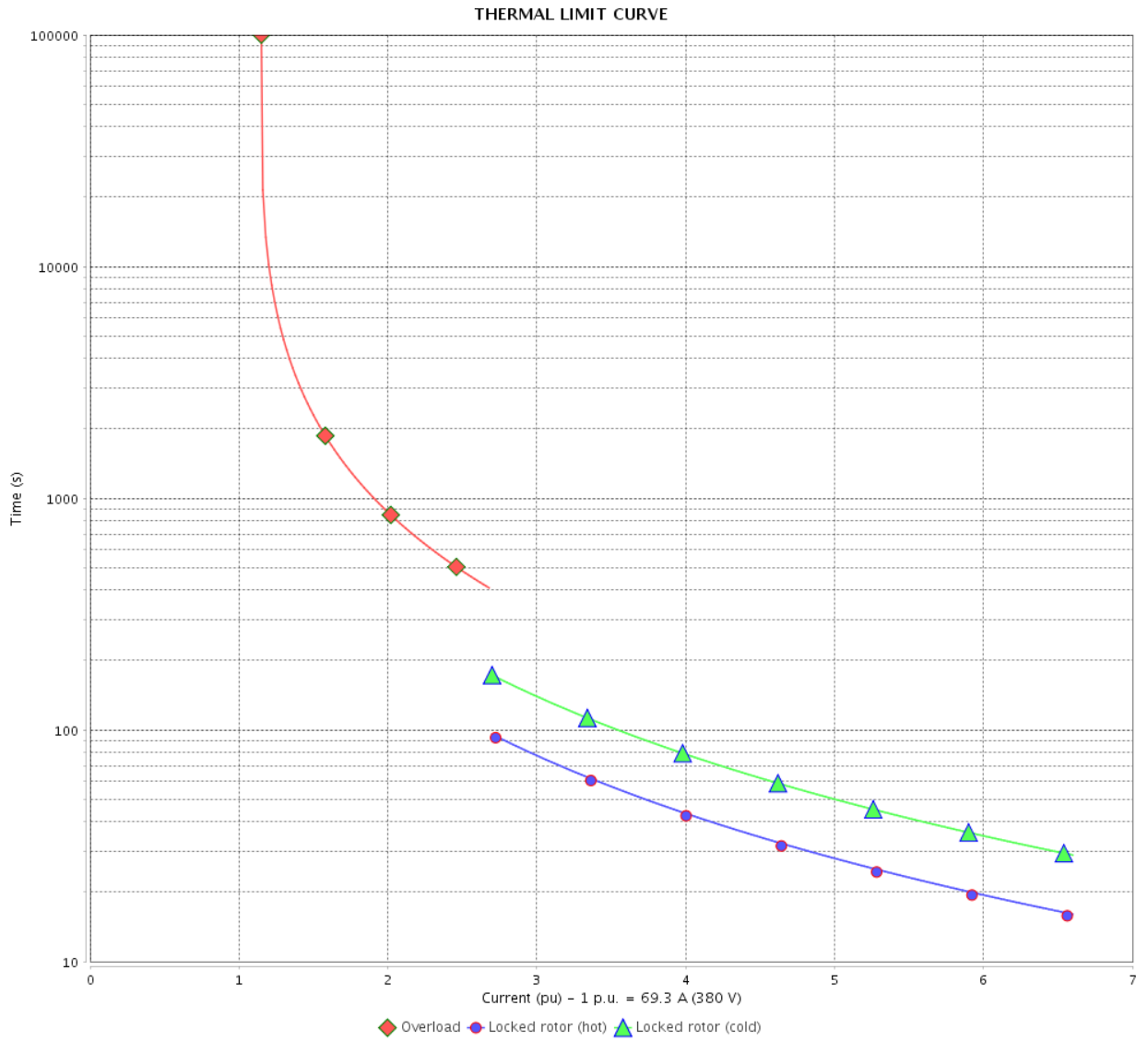
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

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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

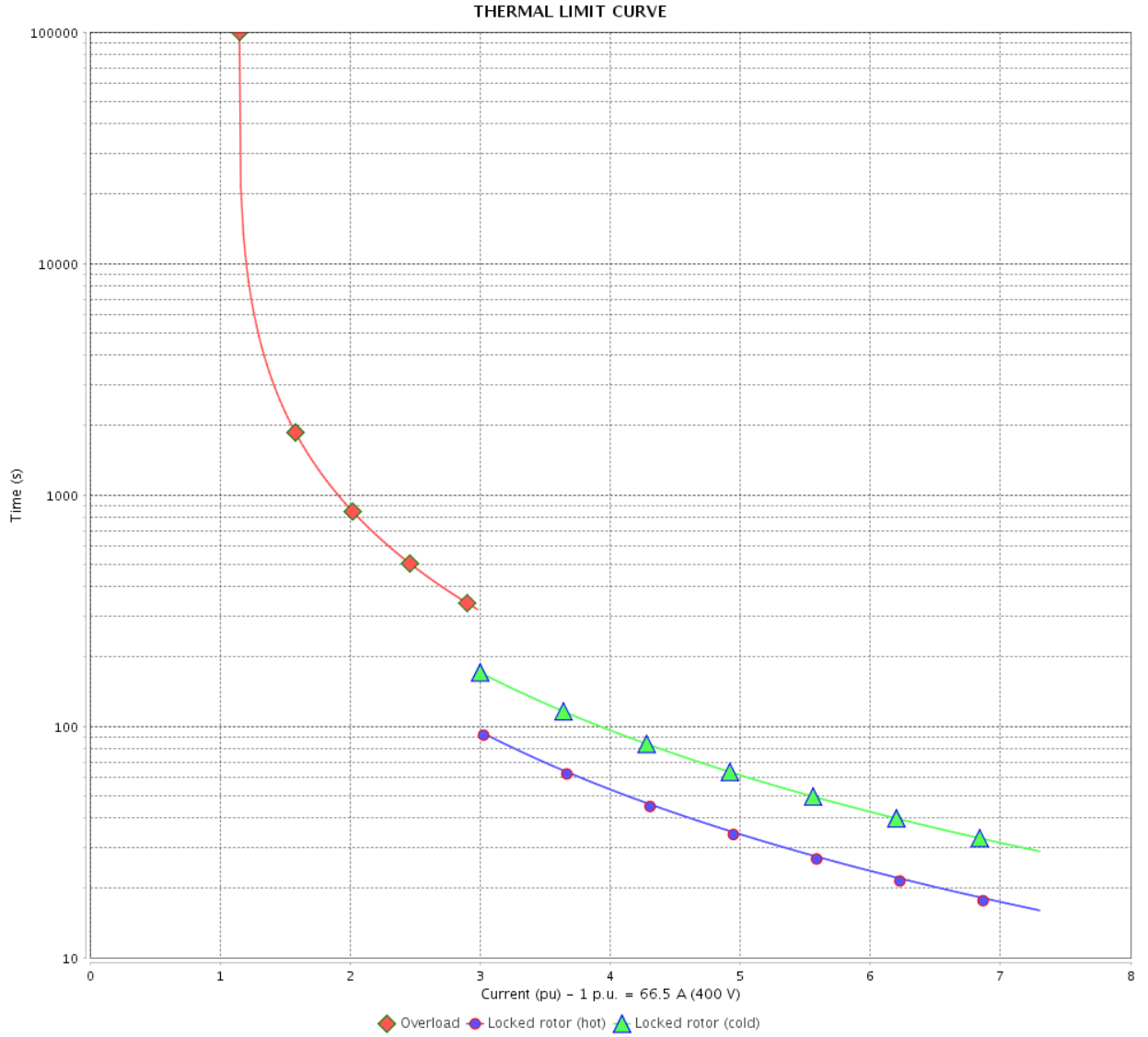
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THERMAL LIMIT CURVE

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 : 14335224
 Catalog # : 06012ET3G404T-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

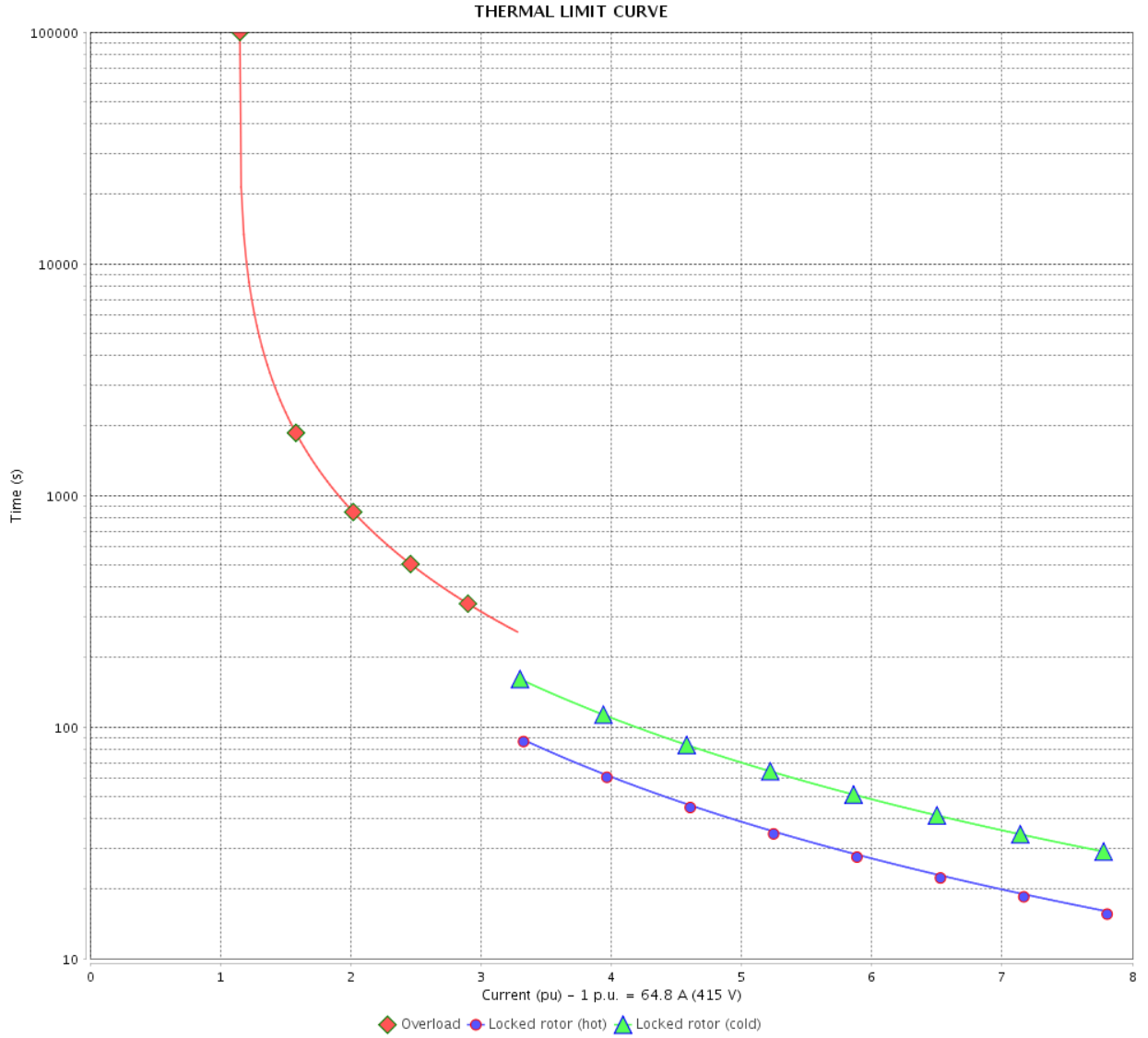
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE

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Customer :

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Product code : 14335224
Catalog # : 06012ET3G404T-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

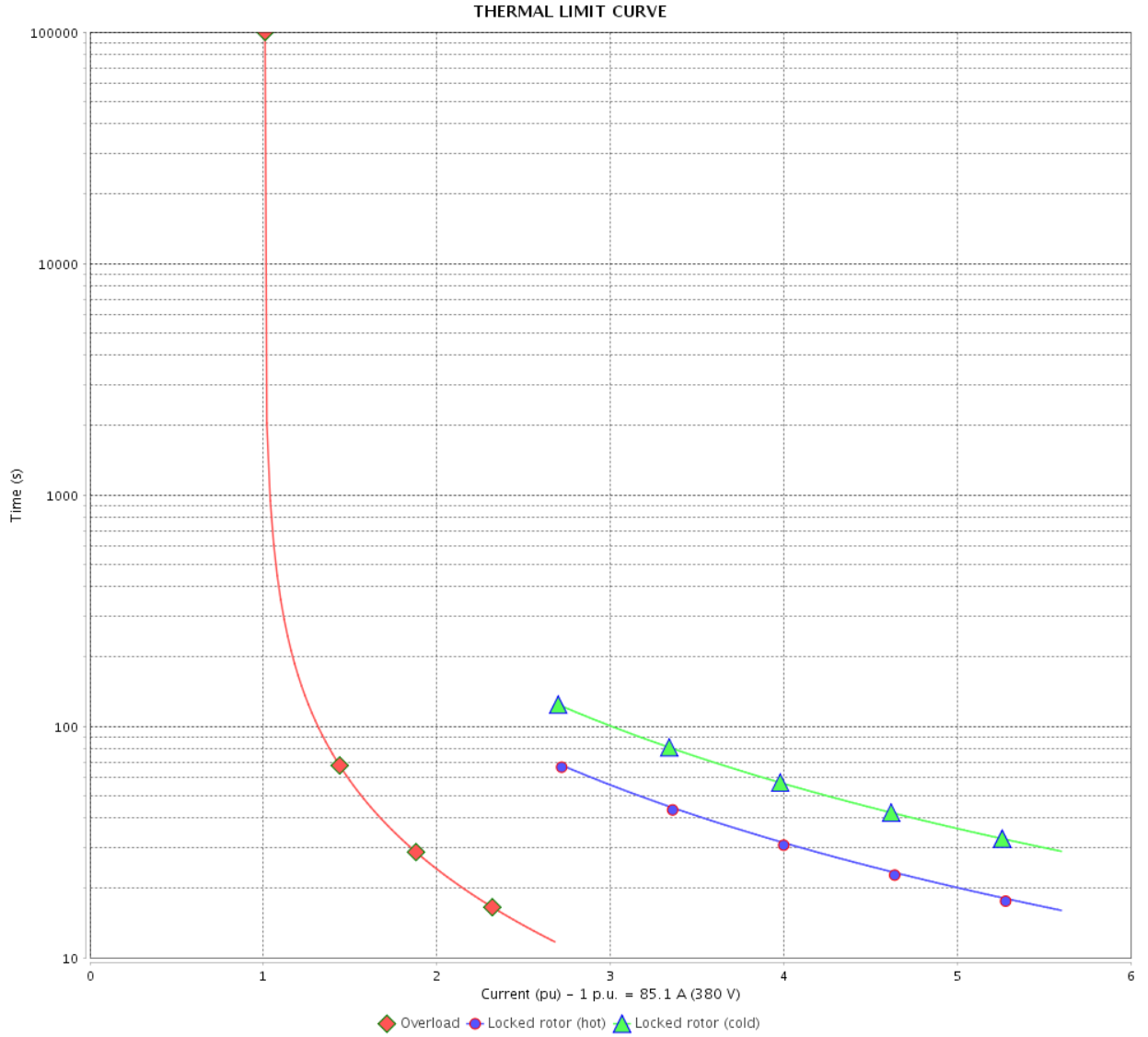
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Customer : _____



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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 14335224
 Catalog # : 06012ET3G404T-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

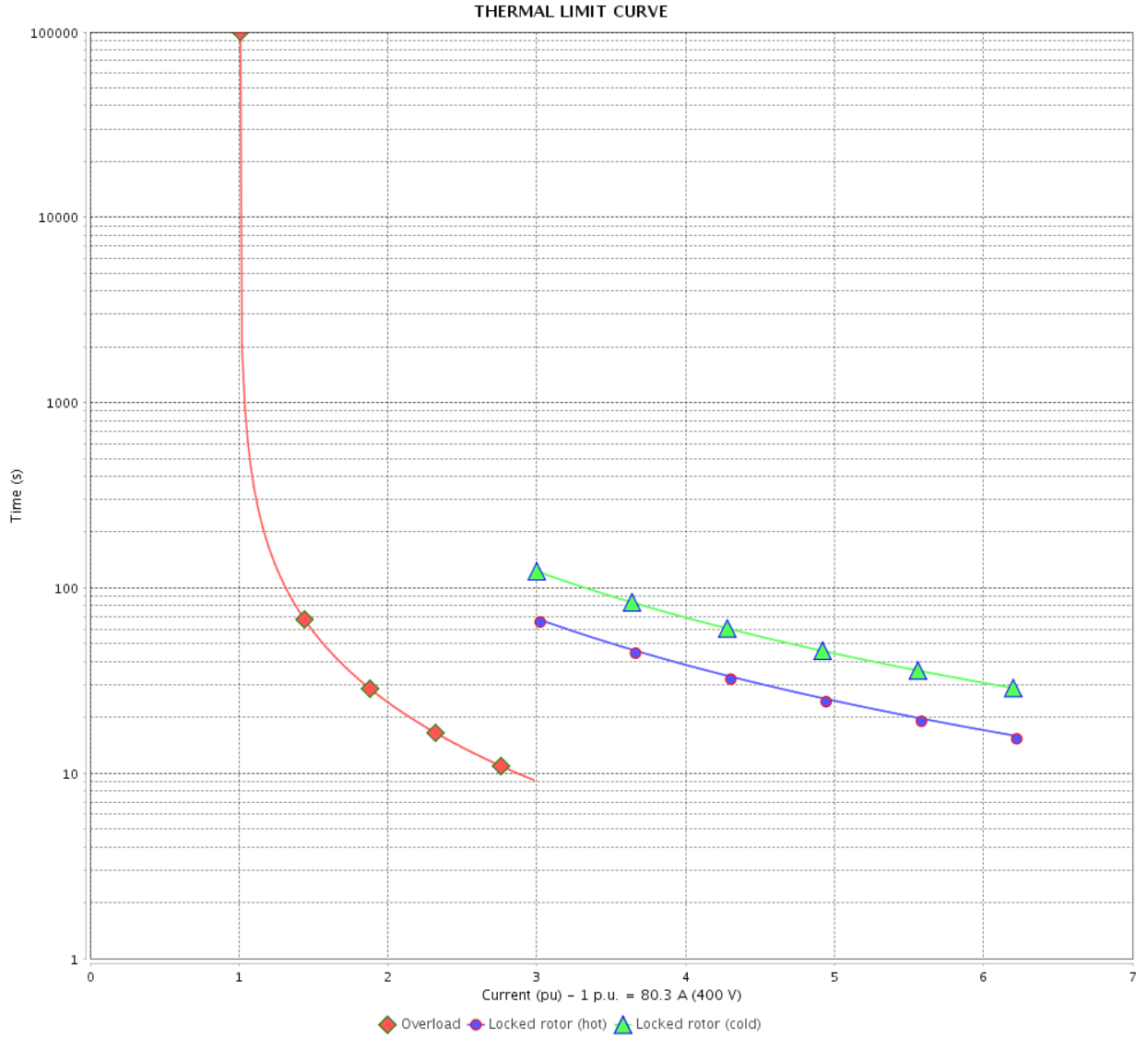
Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 26 / 36	Revision
Checked by				
Date	12/04/2022			

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 14335224
 Catalog # : 06012ET3G404T-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

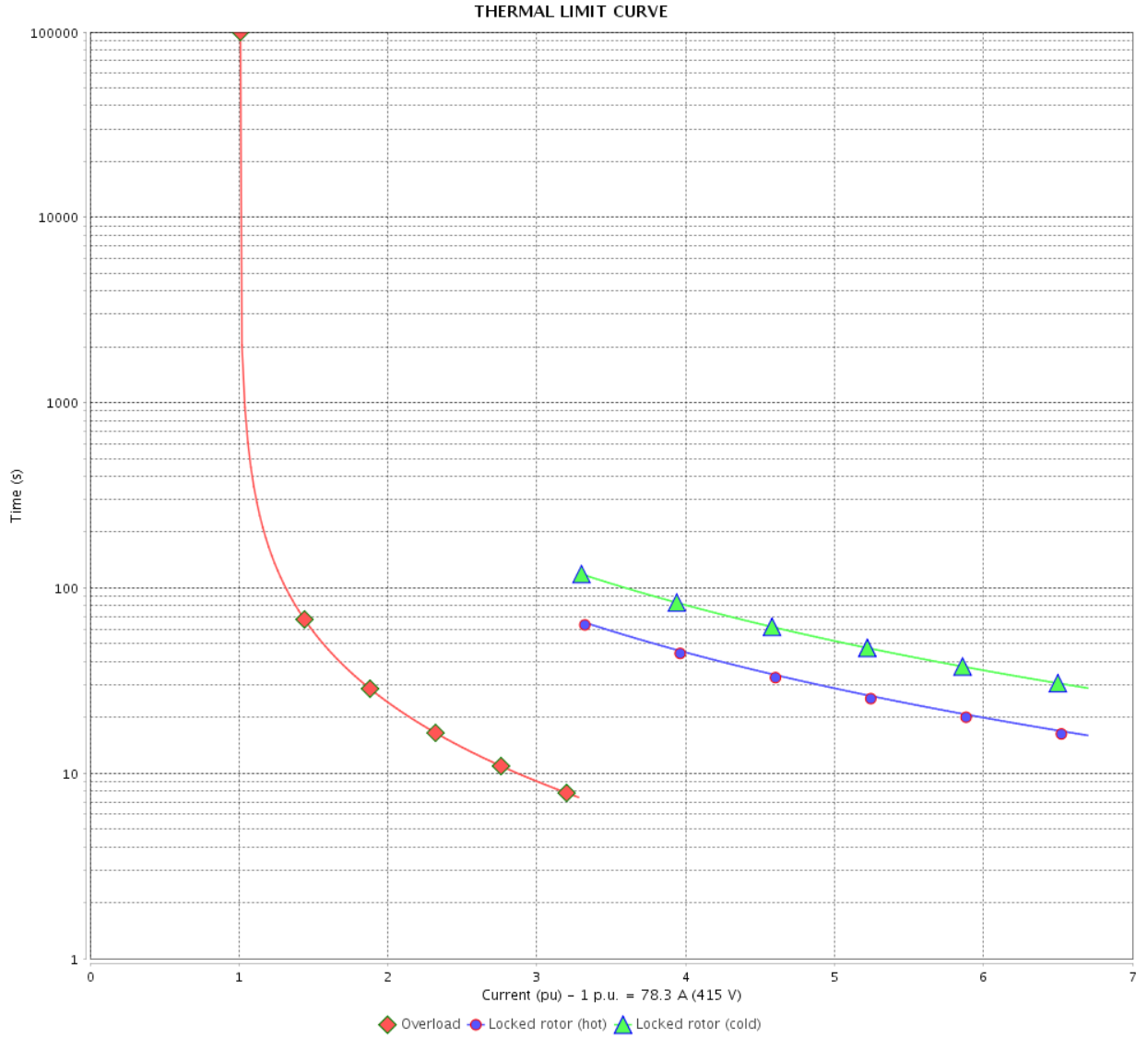
Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 28 / 36	Revision
Checked by				
Date	12/04/2022			

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Performed by		Page 29 / 36		Revision
Checked by				
Date				

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



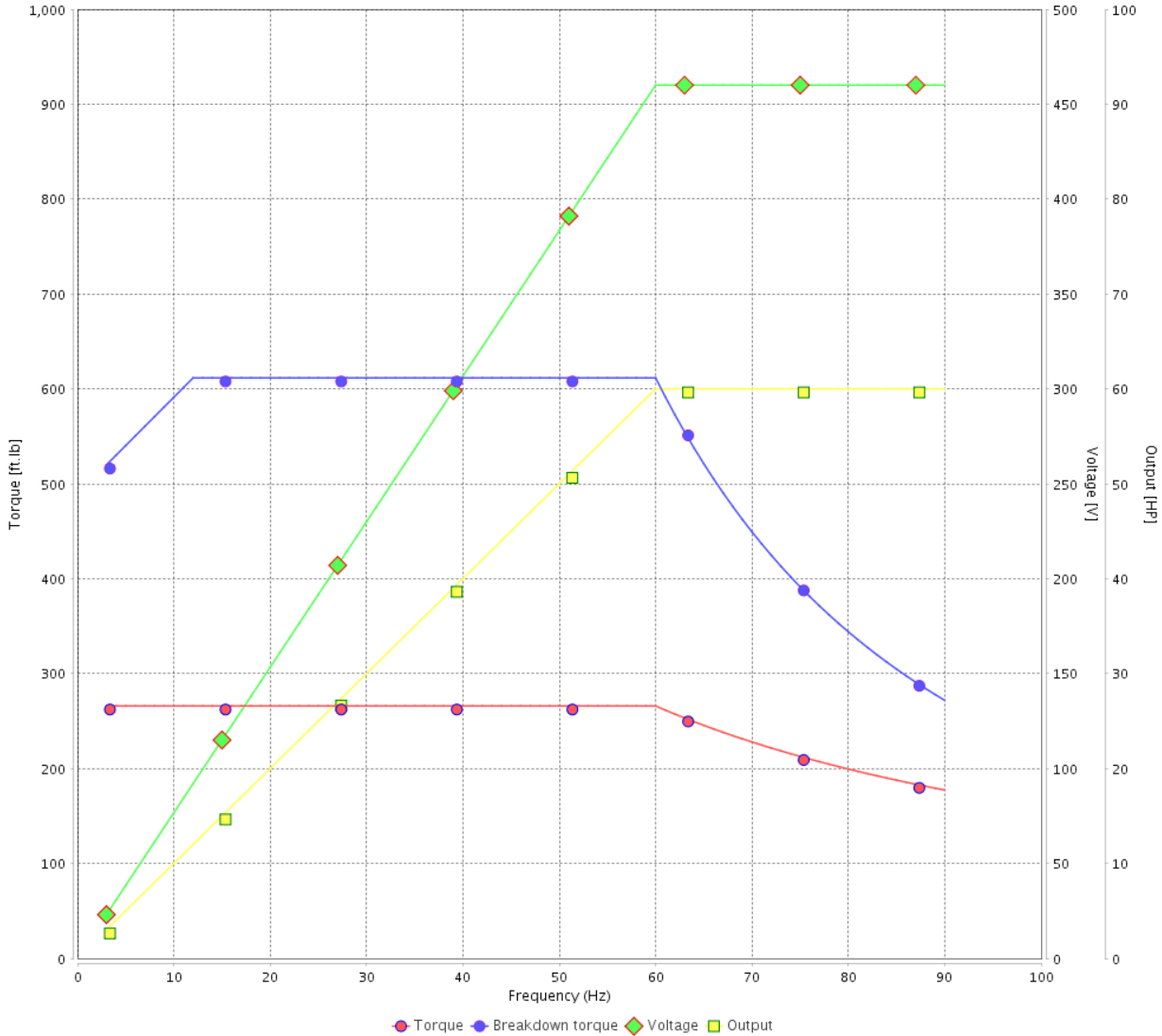
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-W22

VFD OPERATION CURVE



Performance : 460 V 60 Hz 6P

Rated current : 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 30 / 36	Revision
Checked by				
Date	12/04/2022			

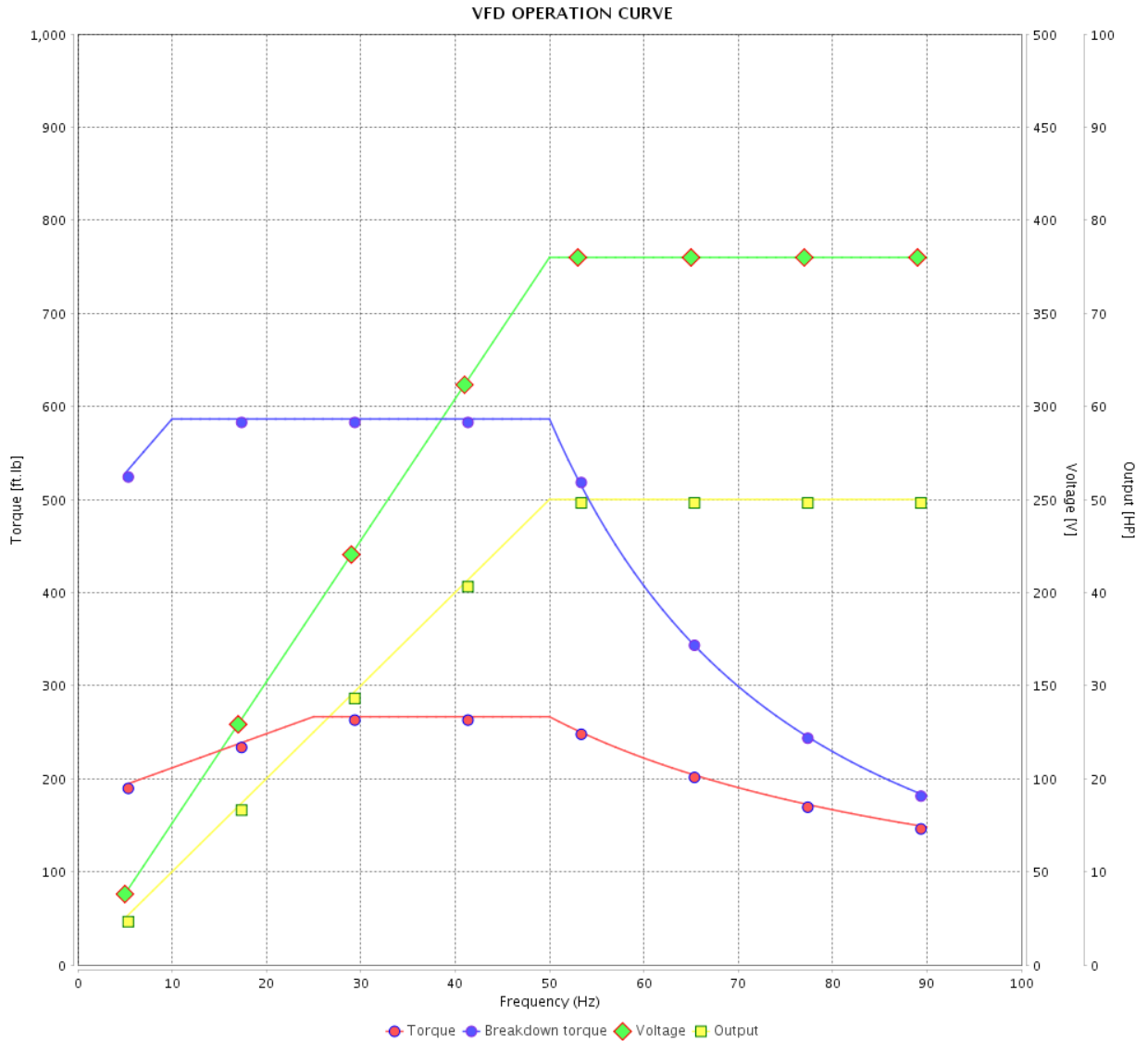
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 14335224
 Catalog # : 06012ET3G404T-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

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 31 / 36	Revision
Checked by				
Date	12/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



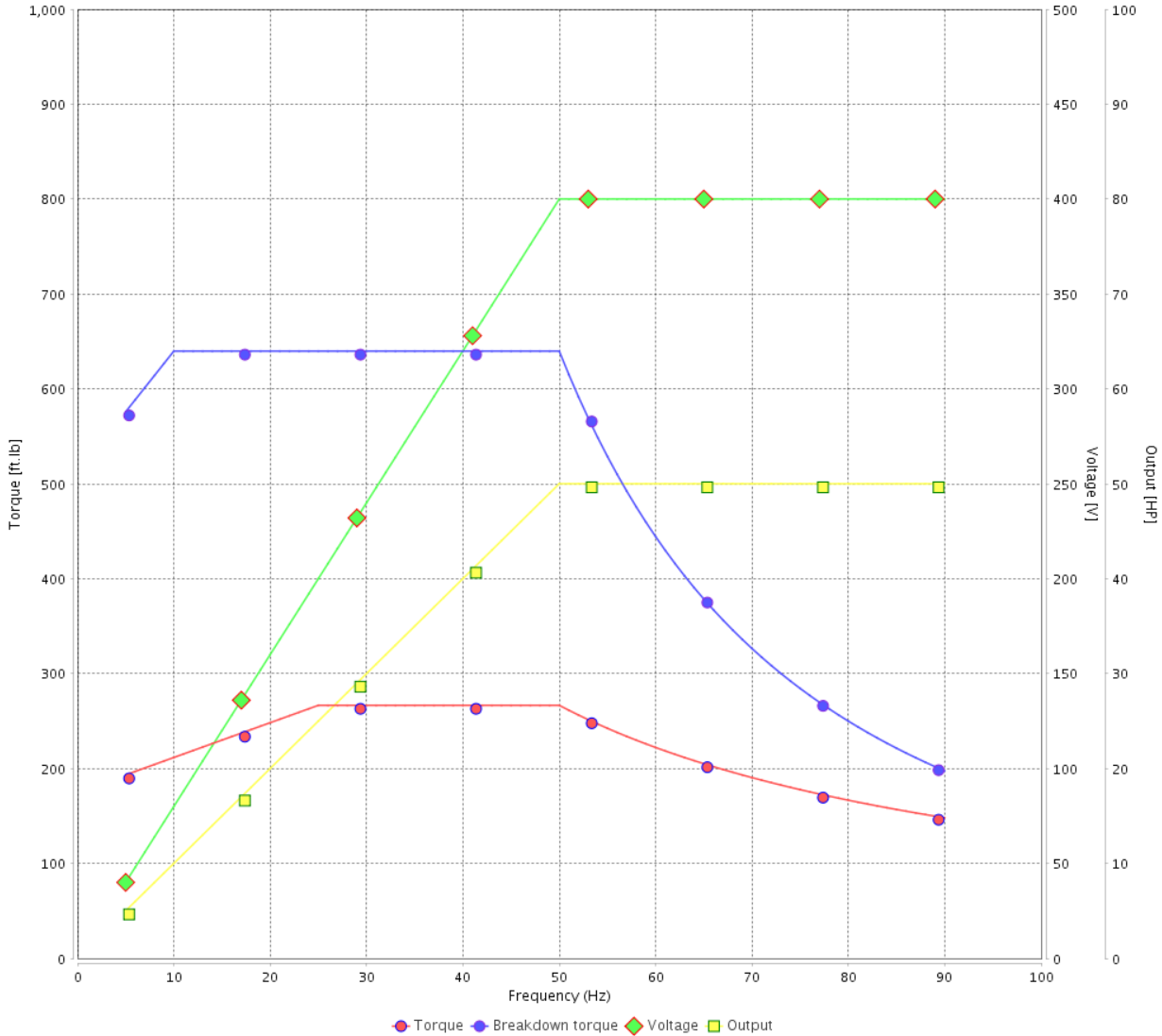
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 32 / 36	Revision
Checked by				
Date	12/04/2022			

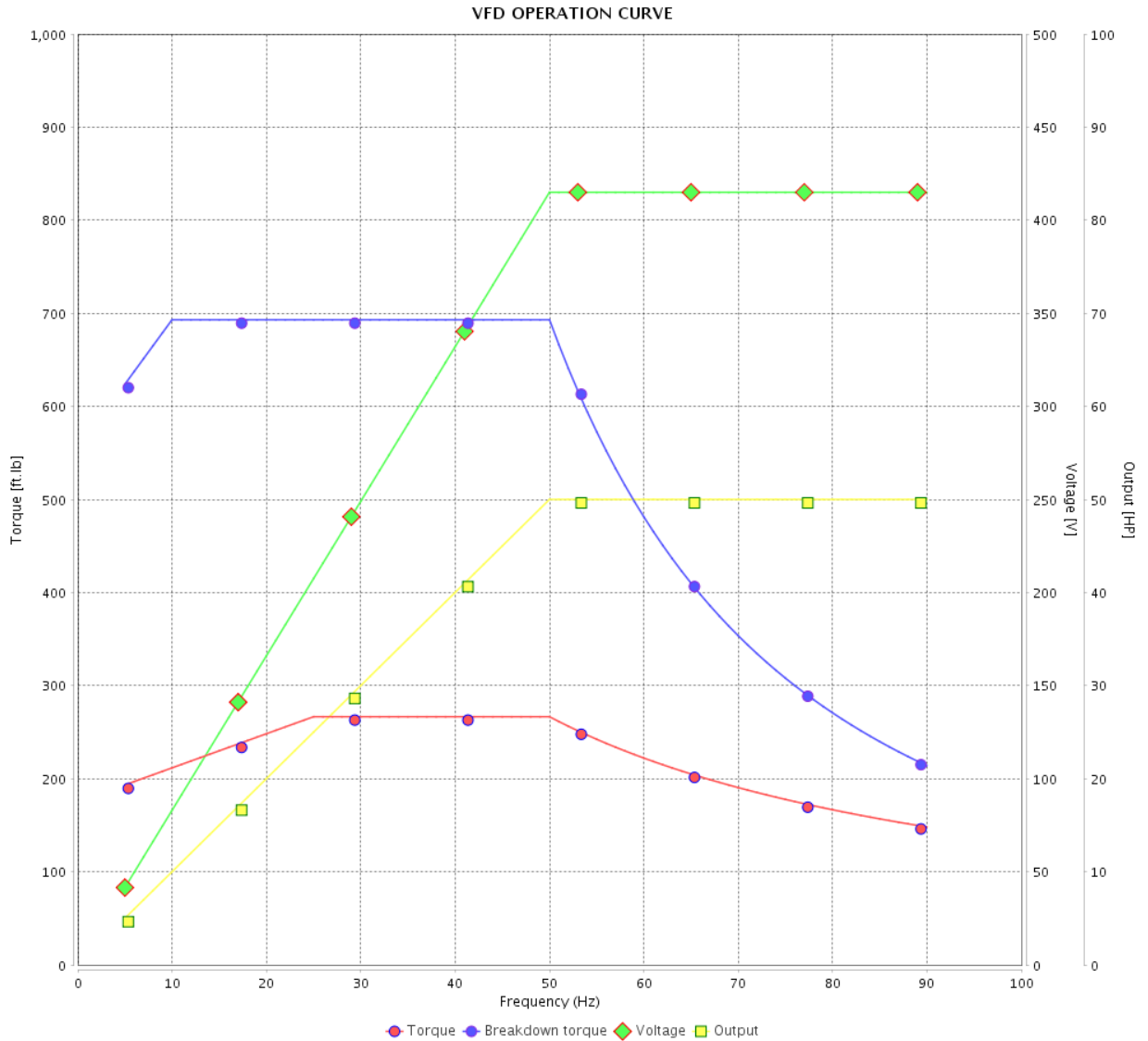
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 14335224
 Catalog # : 06012ET3G404T-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

Rev.	Changes Summary	Performed	Checked	Date
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				Revision

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



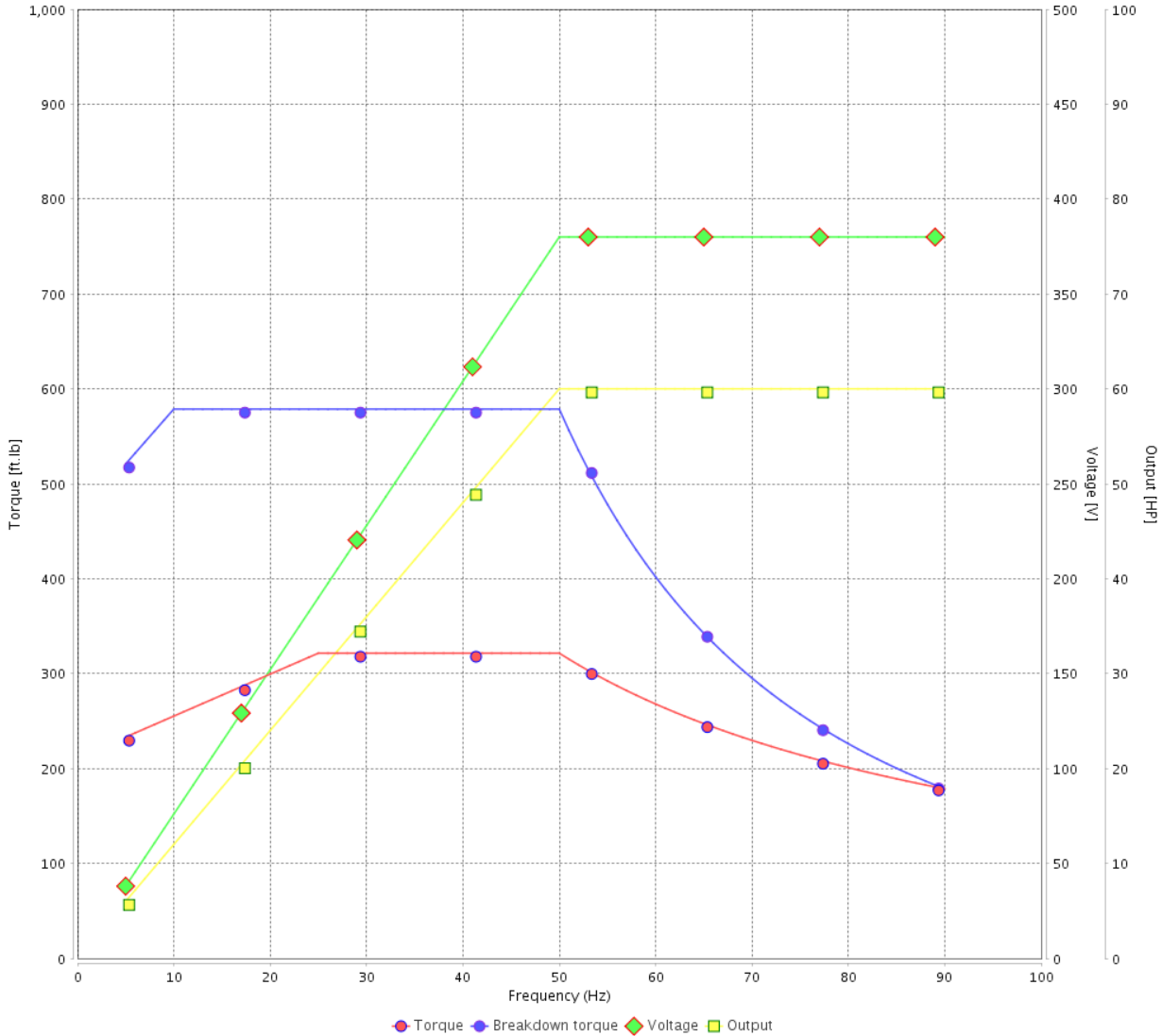
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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 34 / 36	Revision
Checked by				
Date	12/04/2022			

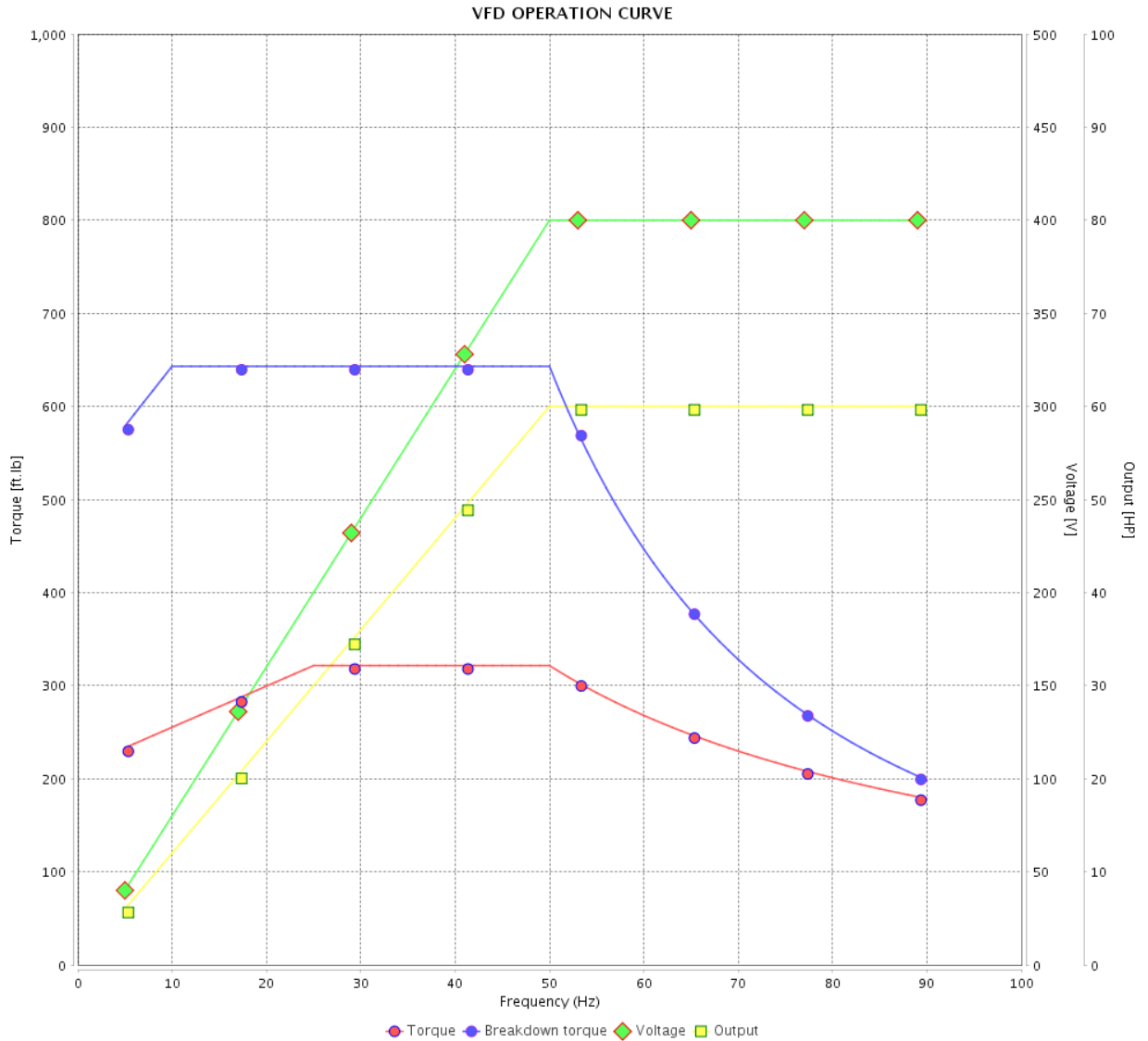
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 14335224
 Catalog # : 06012ET3G404T-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



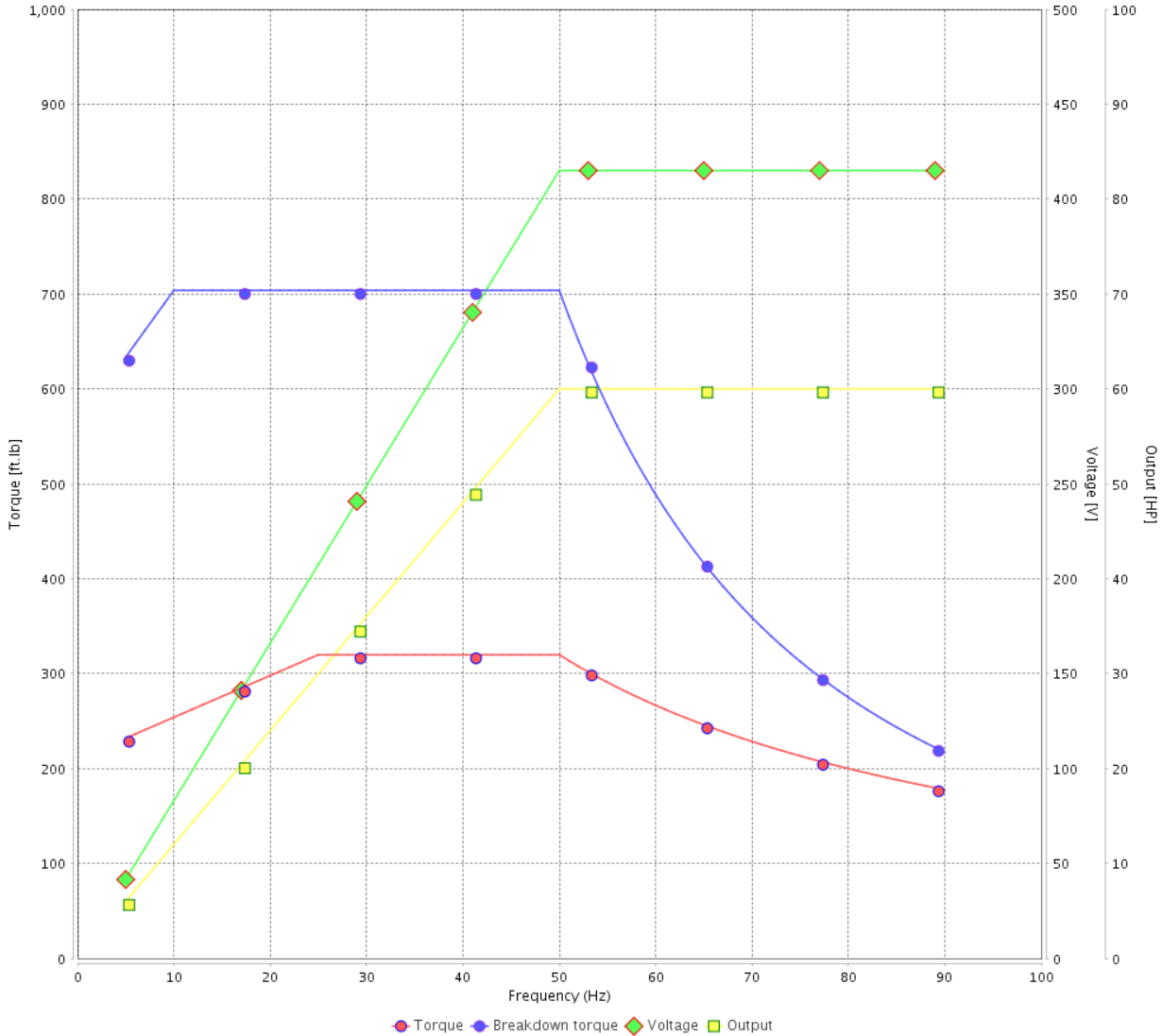
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 14335224

Catalog # : 06012ET3G404T-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

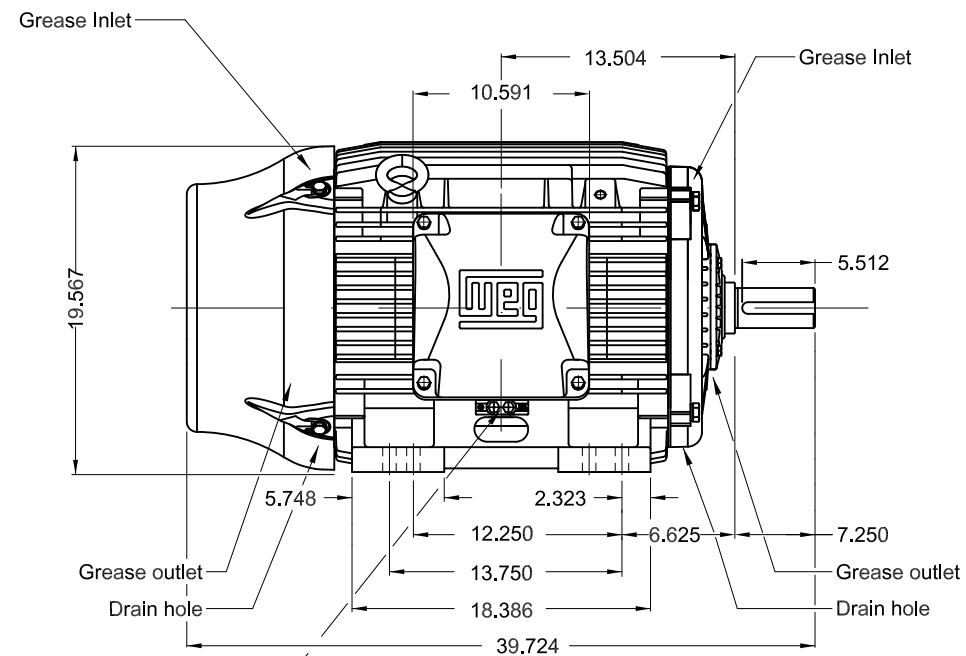
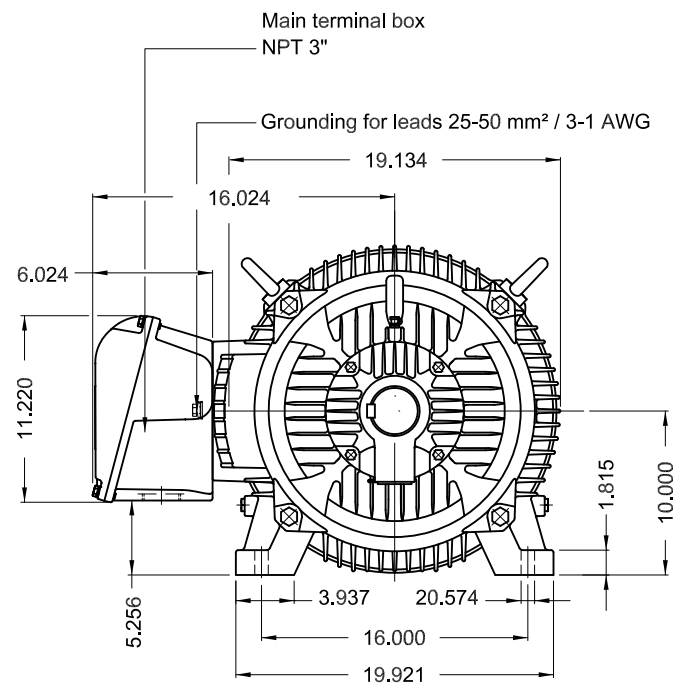
Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 36 / 36	Revision
Checked by				
Date	12/04/2022			

1 2 3 4 5 6

A

B

C

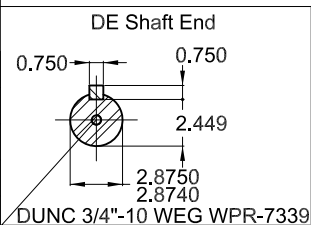


Grounding for leads 25-185 mm² / 3AWG-350MCM

D

E

Without vertical jackscrews
 Color RAL 5009
 Painting plan 203A
 Mounting NEMA F-1
 Mounting B3R(D)



60 HP 06 Poles 60 Hz A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWUSER	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



MADE IN BRAZIL
14335224



FOR SAFE AREA
Mod.TE1BFOXON
CC029A

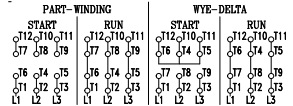


Class I, Div 2, Gr A, B, C and D - T3
Class I, Zone 2, IIC - T3
Class II, Div 2, Gr F and G - T4
For use on PWM: Gr. A, B, C, D and F,
VT 1000:1, CT 20:1, 1.00SF - T3A

MODEL 06012ET3G404T-W22

Inverter Duty Motor
Severe Duty

PH3	60Hz	Fr. 404/5T	1000m.a.s.l.	IP55	TEFC	1135lb
V	460			A	69.5	
HP	60			kW	45	
SF	1.25			SFA	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	



- 6316-C3 (34g)
- 6314-C3 (27g)



MOBIL POLYREX EM (16000h)

