

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12275877				
		Catalog # :	06036ET3E364TSC-W22				
Frame	: 364/5TSC	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	: 880 lb				
Protection degree	: IP55	Moment of inertia (J)	: 10.6 sq.ft.lb				
Design	: B						
Output [HP]	60	50	50	50	60	60	60
Poles	2	2	2	2	2	2	2
Frequency [Hz]	60	50	50	50	50	50	50
Rated voltage [V]	230/460	380	400	415	380	400	415
Rated current [A]	134/67.0	65.9	63.3	61.7	81.3	77.6	74.8
L. R. Amperes [A]	884/442	415	443	457	423	450	464
LRC [A]	6.6x(Code G)	6.3x(Code F)	7.0x(Code G)	7.4x(Code H)	5.2x(Code E)	5.8x(Code F)	6.2x(Code F)
No load current [A]	30.0/15.0	15.0	16.2	17.4	15.0	16.2	17.4
Rated speed [RPM]	3560	2955	2960	2965	2945	2950	2955
Slip [%]	1.11	1.50	1.33	1.17	1.83	1.67	1.50
Rated torque [ft.lb]	88.5	88.9	88.7	88.6	107	107	107
Locked rotor torque [%]	200	190	220	229	160	180	190
Breakdown torque [%]	260	250	280	300	210	229	250
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	25s (cold) 14s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)
Noise level ²	79.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)	74.0 dB(A)
Efficiency (%)	25%						
	50%	91.7	92.1	91.7	91.6	92.4	92.4
	75%	93.0	92.8	92.8	92.9	93.0	93.0
	100%	93.6	93.7	93.7	93.7	92.4	93.0
Power Factor	25%						
	50%	0.81	0.81	0.79	0.76	0.85	0.83
	75%	0.88	0.88	0.87	0.85	0.90	0.89
	100%	0.90	0.91	0.90	0.89	0.91	0.90
Bearing type	: Drive end : 6314 C3	Non drive end : 6314 C3	Foundation loads				
Sealing	: WSeal	WSeal	Max. traction	: 472 lb			
Lubrication interval	: 4000 h	4000 h	Max. compression	: 1352 lb			
Lubricant amount	: 27 g	27 g					
Lubricant type	: Mobil Polyrex EM						
Notes USABLE @208V 148A SF 1.10 SFA 163A							
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



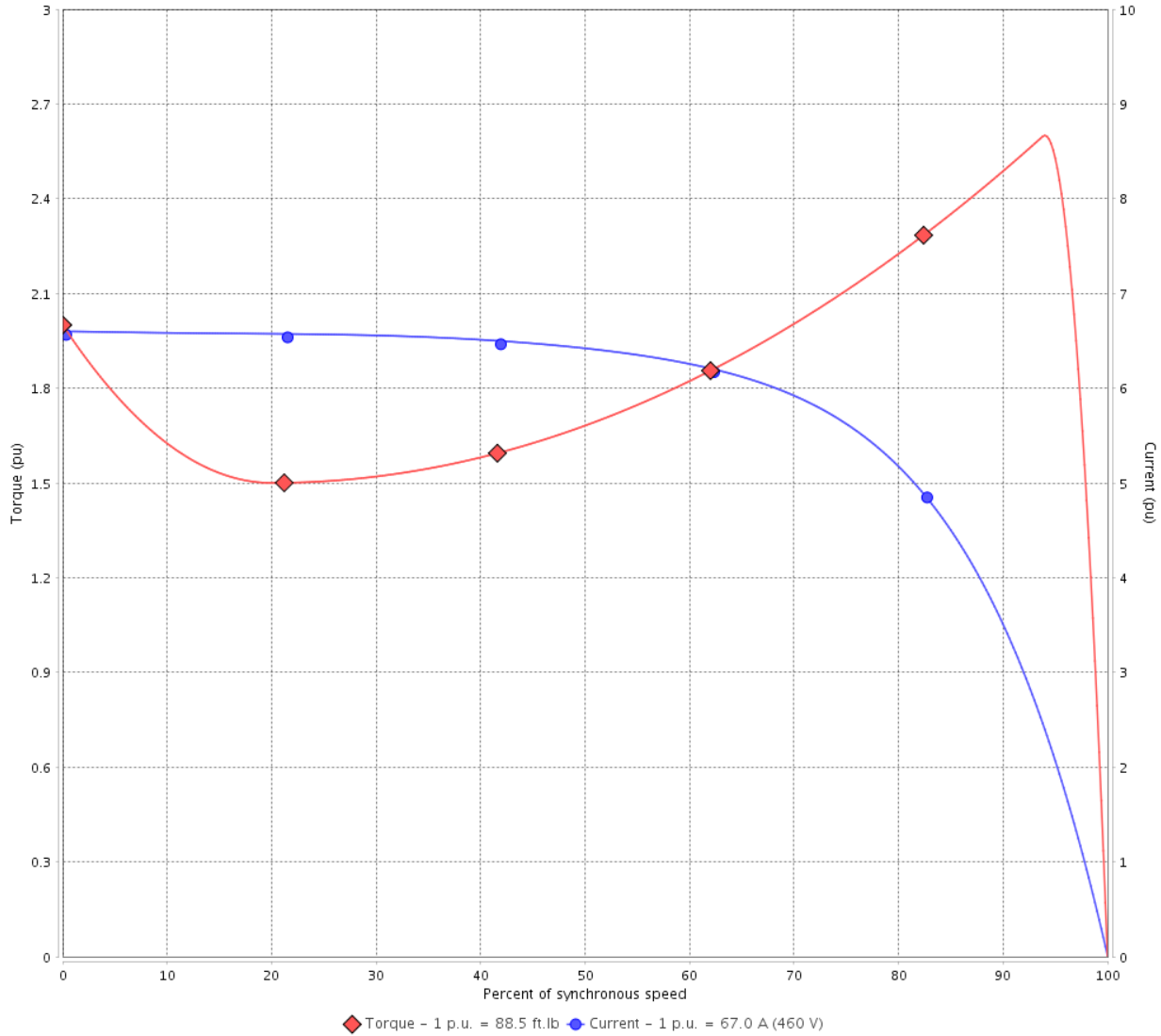
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 230/460 V 60 Hz 2P

Rated current	: 134/67.0 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 88.5 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 3560 rpm	Design	: B

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

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TORQUE AND CURRENT VS SPEED CURVE



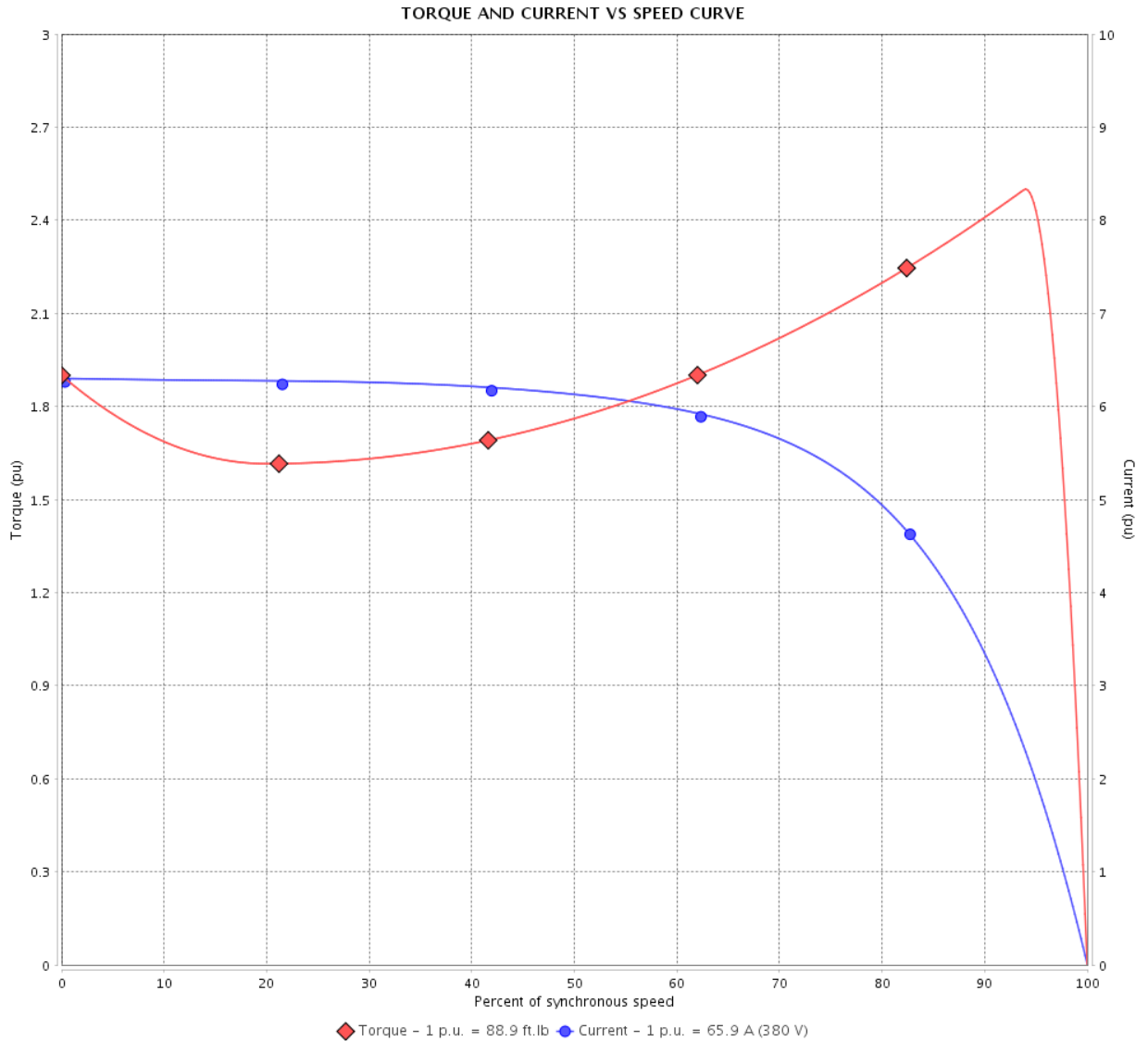
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 380 V 50 Hz 2P IE3

Rated current	: 65.9 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 88.9 ft.lb	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 2955 rpm	Design	: B

Locked rotor time : 21s (cold) 12s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



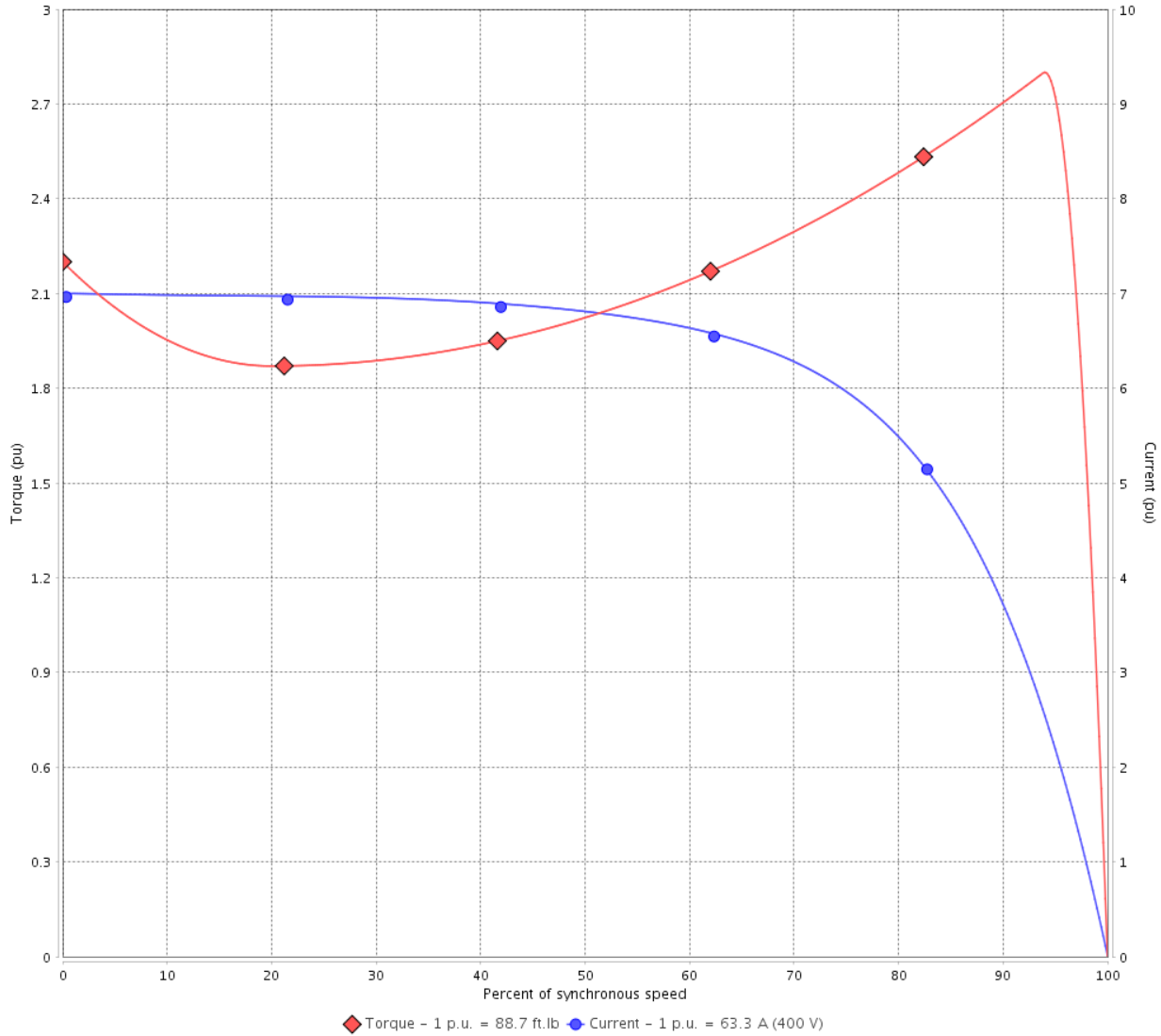
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 400 V 50 Hz 2P IE3

Rated current	: 63.3 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 88.7 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 2960 rpm	Design	: B

Locked rotor time : 21s (cold) 12s (hot)

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TORQUE AND CURRENT VS SPEED CURVE



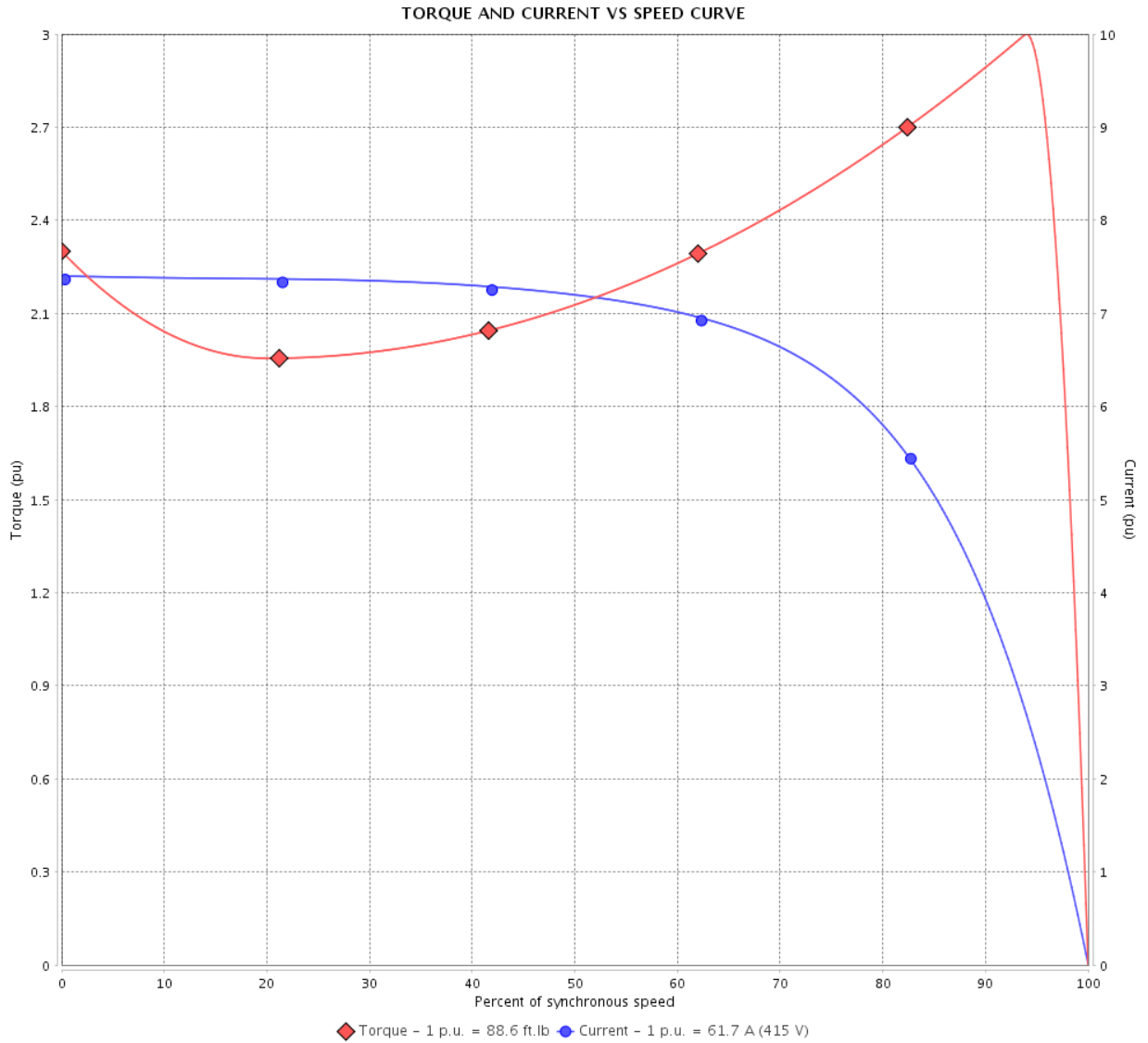
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 415 V 50 Hz 2P IE3

Rated current	: 61.7 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 7.4	Duty cycle	: Cont.(S1)
Rated torque	: 88.6 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.00
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 2965 rpm	Design	: B

Locked rotor time : 21s (cold) 12s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



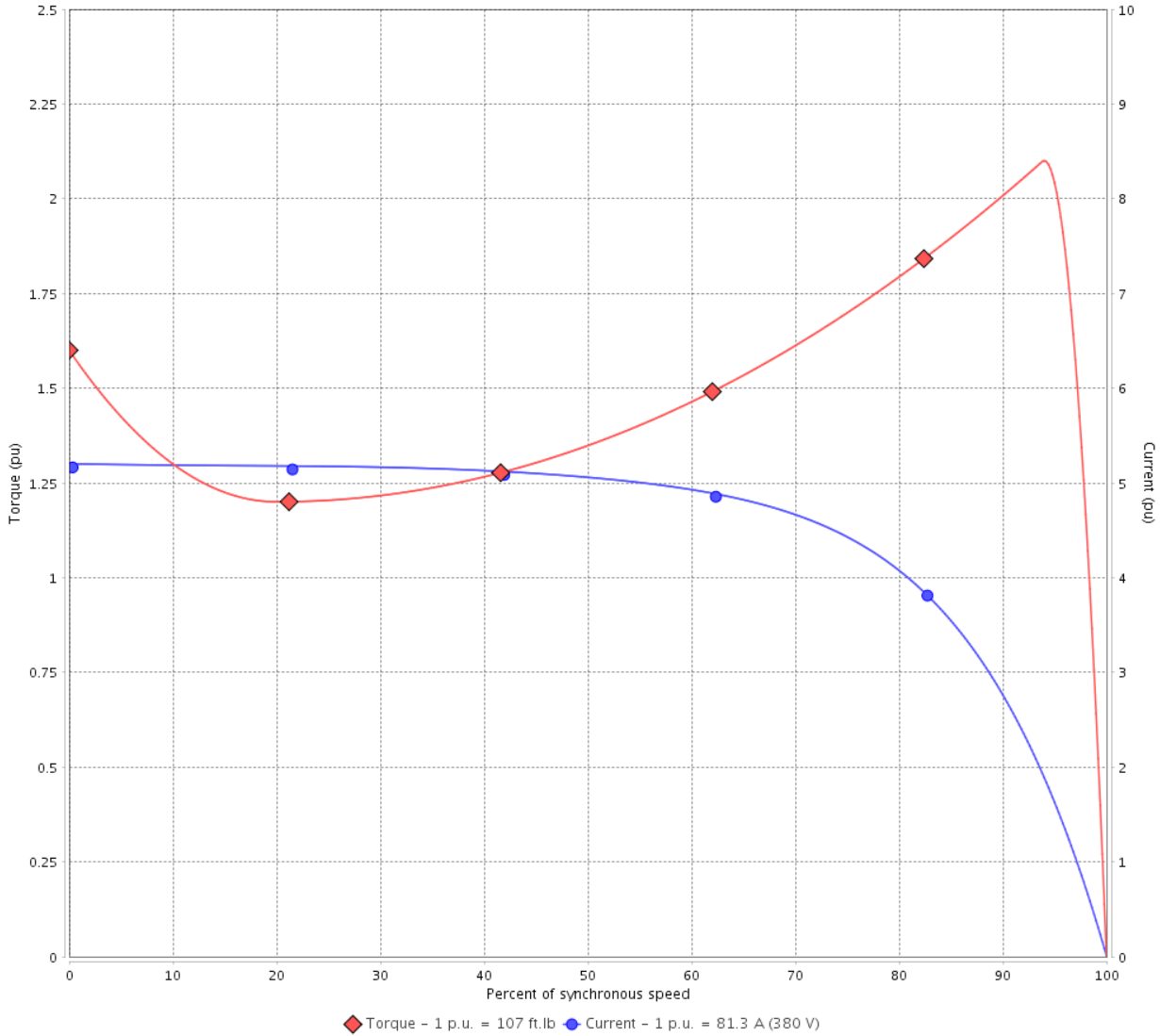
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 380 V 50 Hz 2P IE1

Rated current	: 81.3 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 5.2	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 160 %	Service factor	: 1.00
Breakdown torque	: 210 %	Temperature rise	: 105 K
Rated speed	: 2945 rpm	Design	: B

Locked rotor time : 21s (cold) 12s (hot)

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TORQUE AND CURRENT VS SPEED CURVE



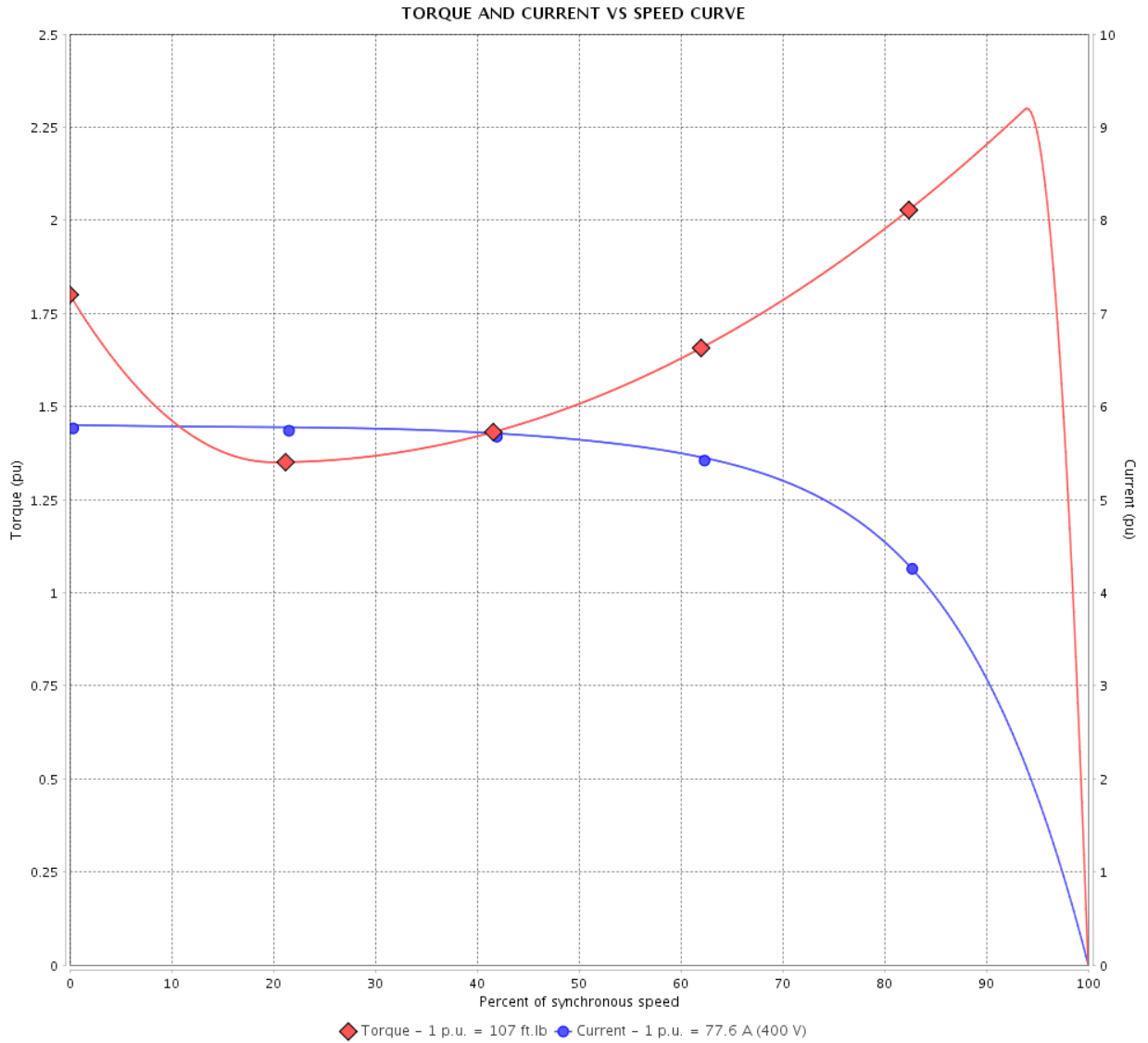
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 400 V 50 Hz 2P IE2

Rated current	: 77.6 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 229 %	Temperature rise	: 105 K
Rated speed	: 2950 rpm	Design	: B

Locked rotor time : 21s (cold) 12s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



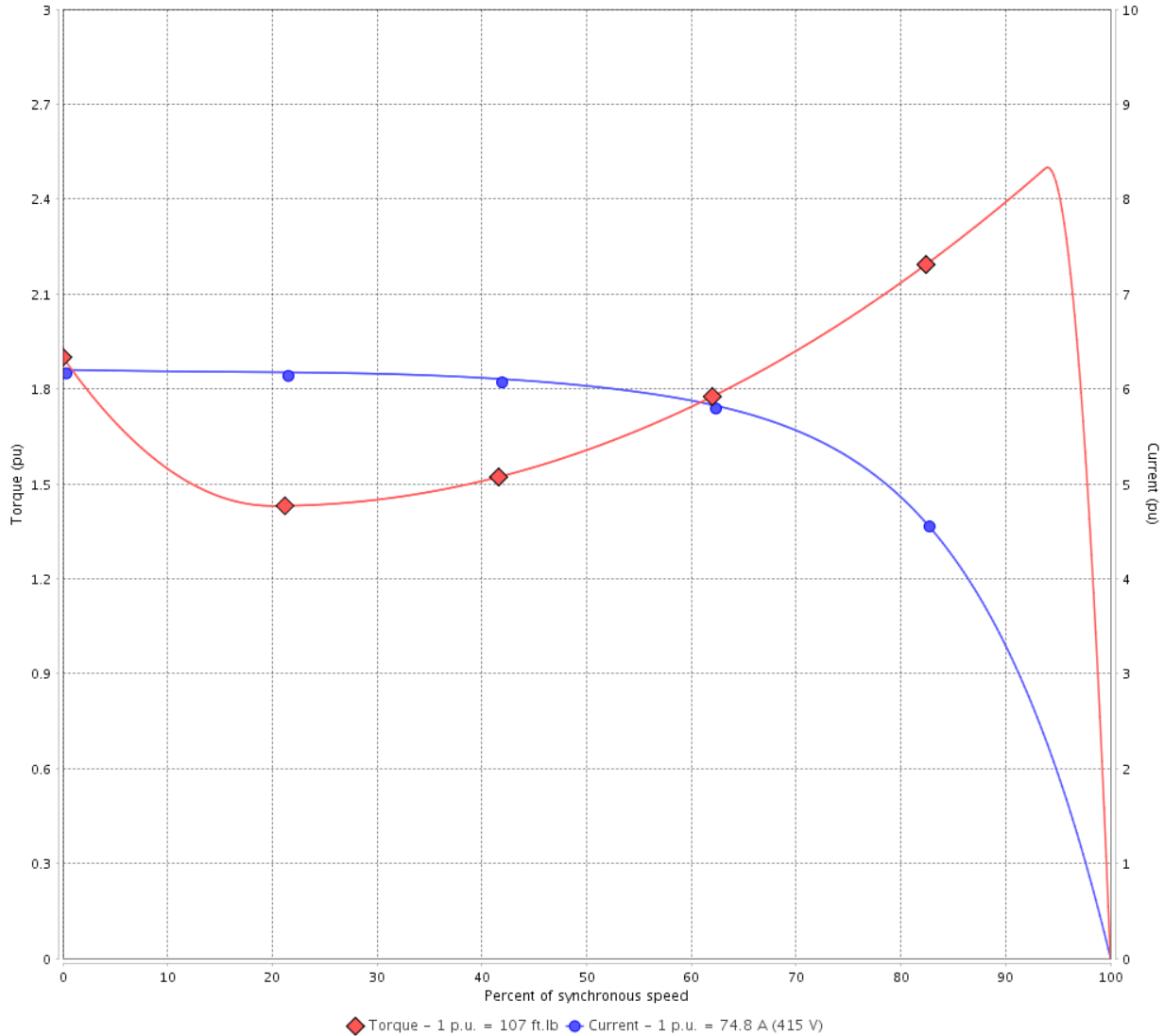
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 415 V 50 Hz 2P IE2

Rated current	: 74.8 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 105 K
Rated speed	: 2955 rpm	Design	: B

Locked rotor time : 21s (cold) 12s (hot)

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Three Phase Induction Motor - Squirrel Cage

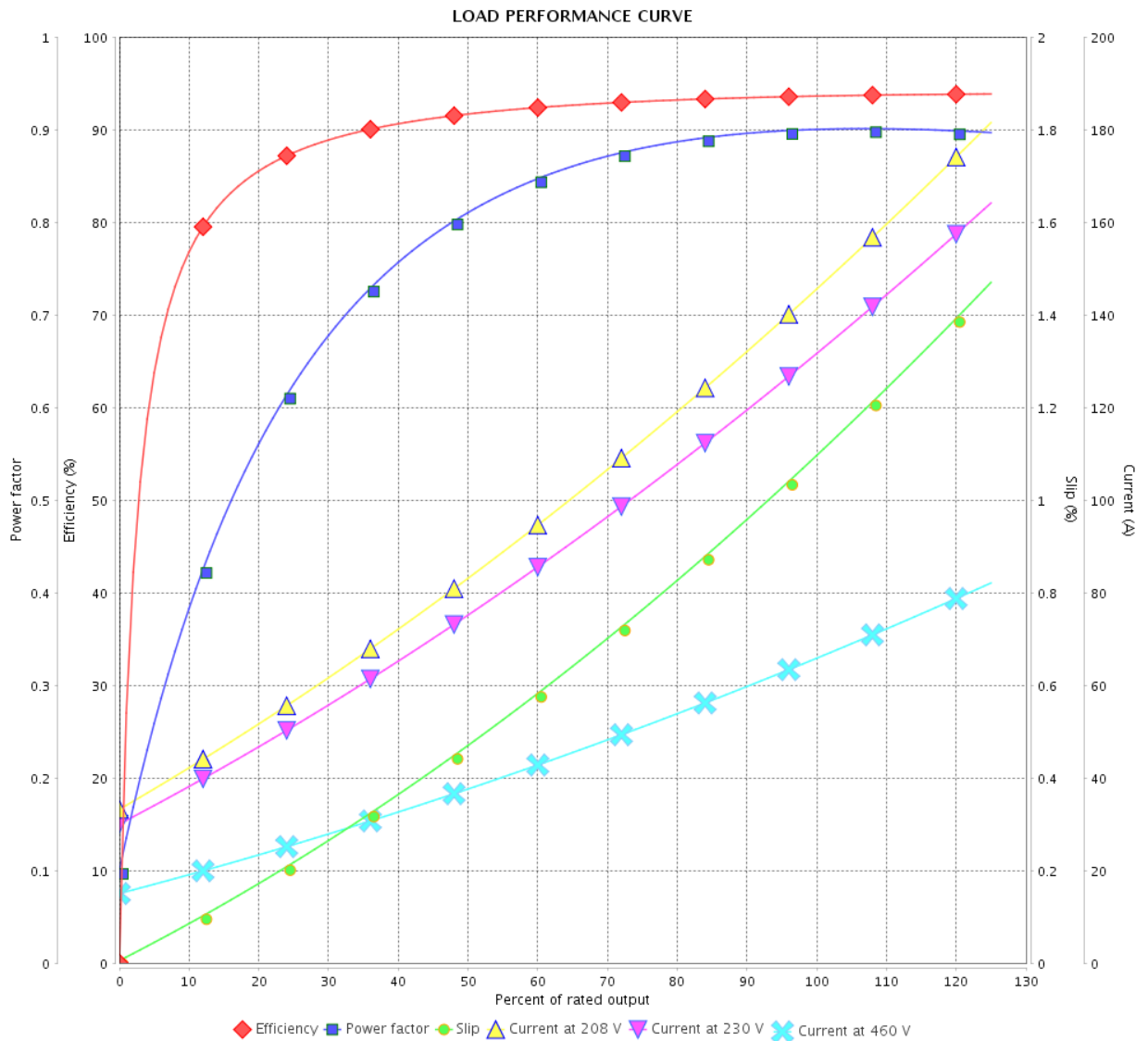


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 230/460 V 60 Hz 2P

Rated current : 134/67.0 A
 LRC : 6.6
 Rated torque : 88.5 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 260 %
 Rated speed : 3560 rpm

Moment of inertia (J) : 10.6 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

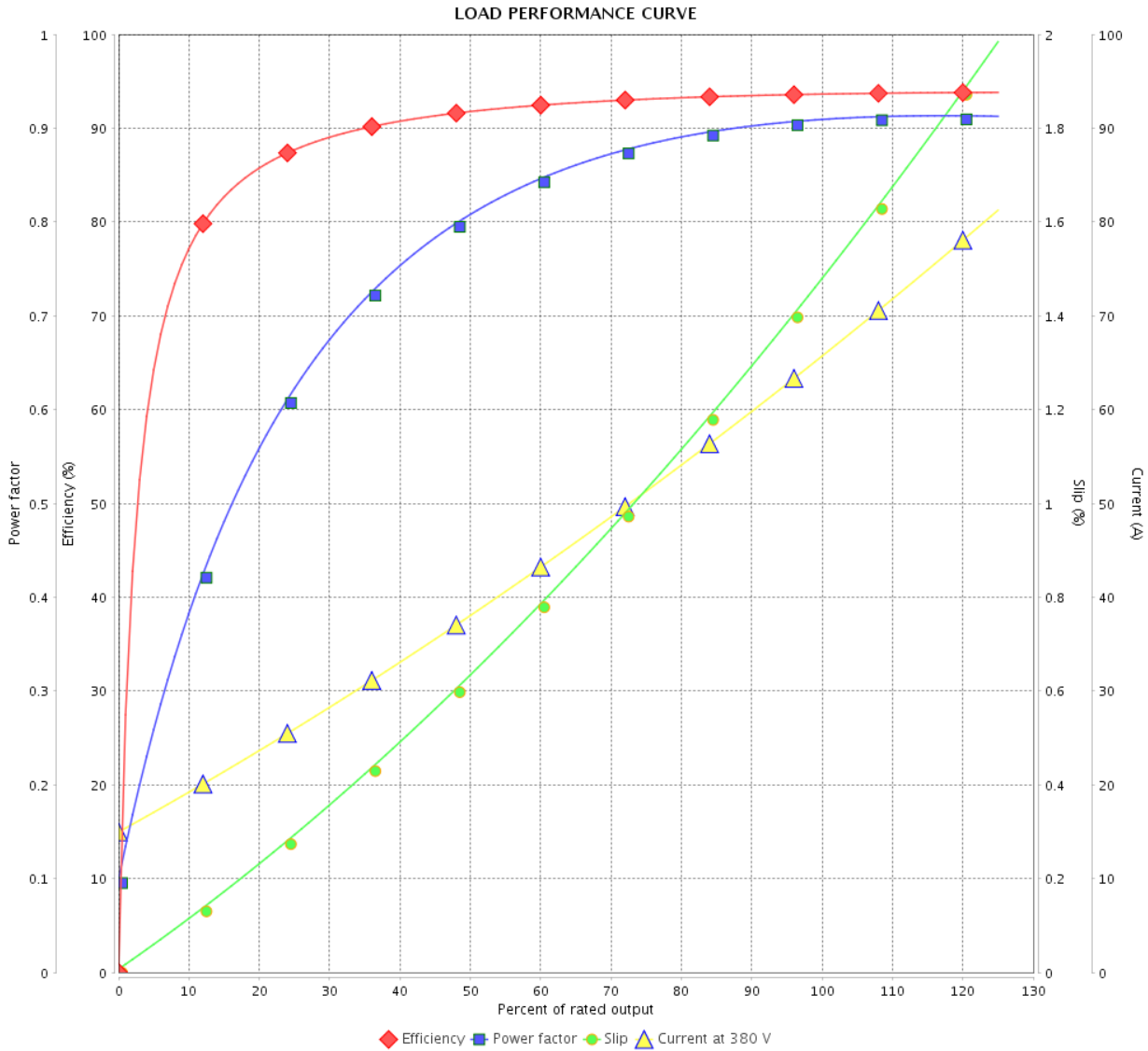


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 380 V 50 Hz 2P IE3

Rated current : 65.9 A
 LRC : 6.3
 Rated torque : 88.9 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 2955 rpm

Moment of inertia (J) : 10.6 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

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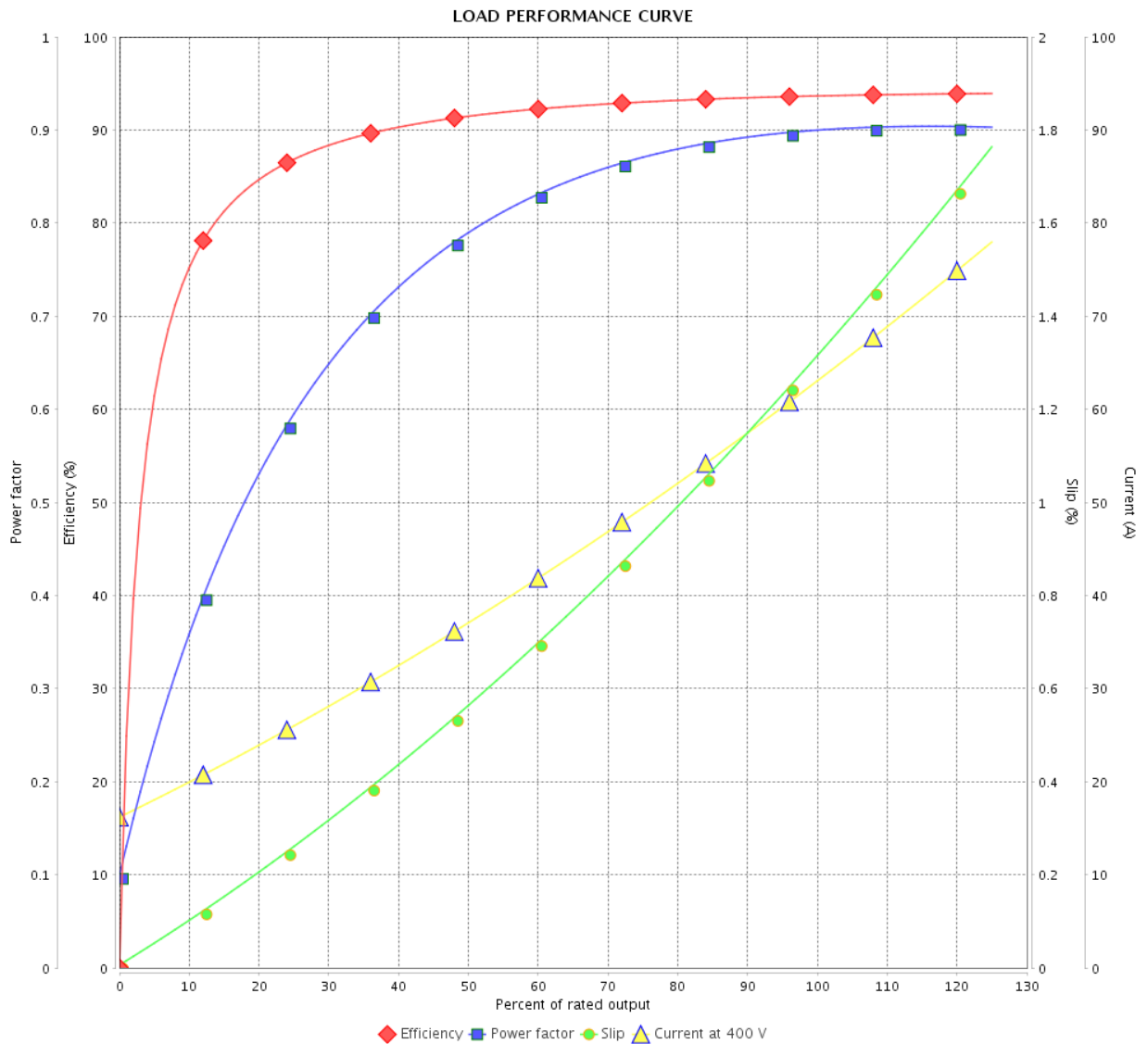


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 400 V 50 Hz 2P IE3

Rated current : 63.3 A
 LRC : 7.0
 Rated torque : 88.7 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 280 %
 Rated speed : 2960 rpm

Moment of inertia (J) : 10.6 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



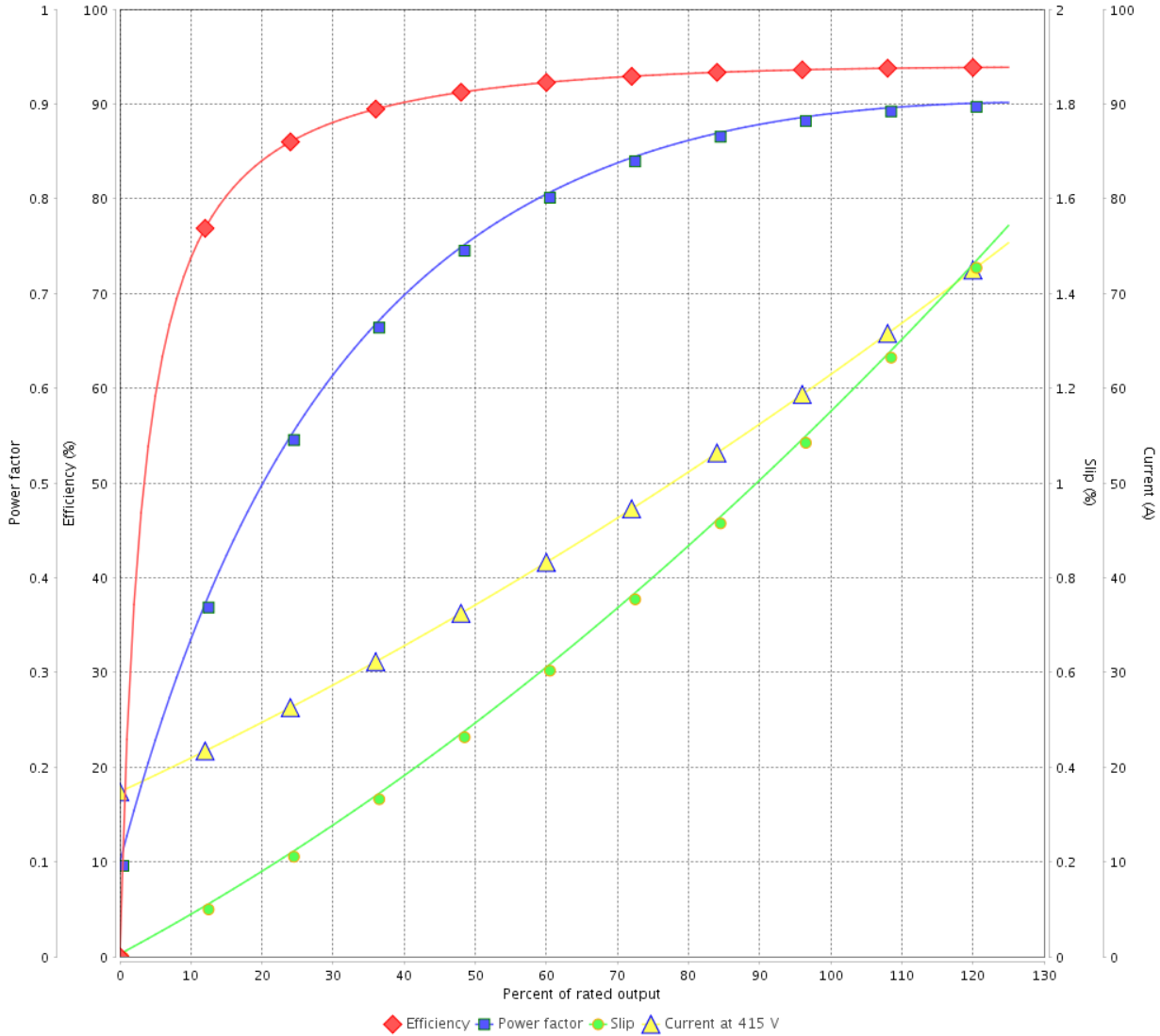
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

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Performance : 415 V 50 Hz 2P IE3

Rated current : 61.7 A
 LRC : 7.4
 Rated torque : 88.6 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 2965 rpm

Moment of inertia (J) : 10.6 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

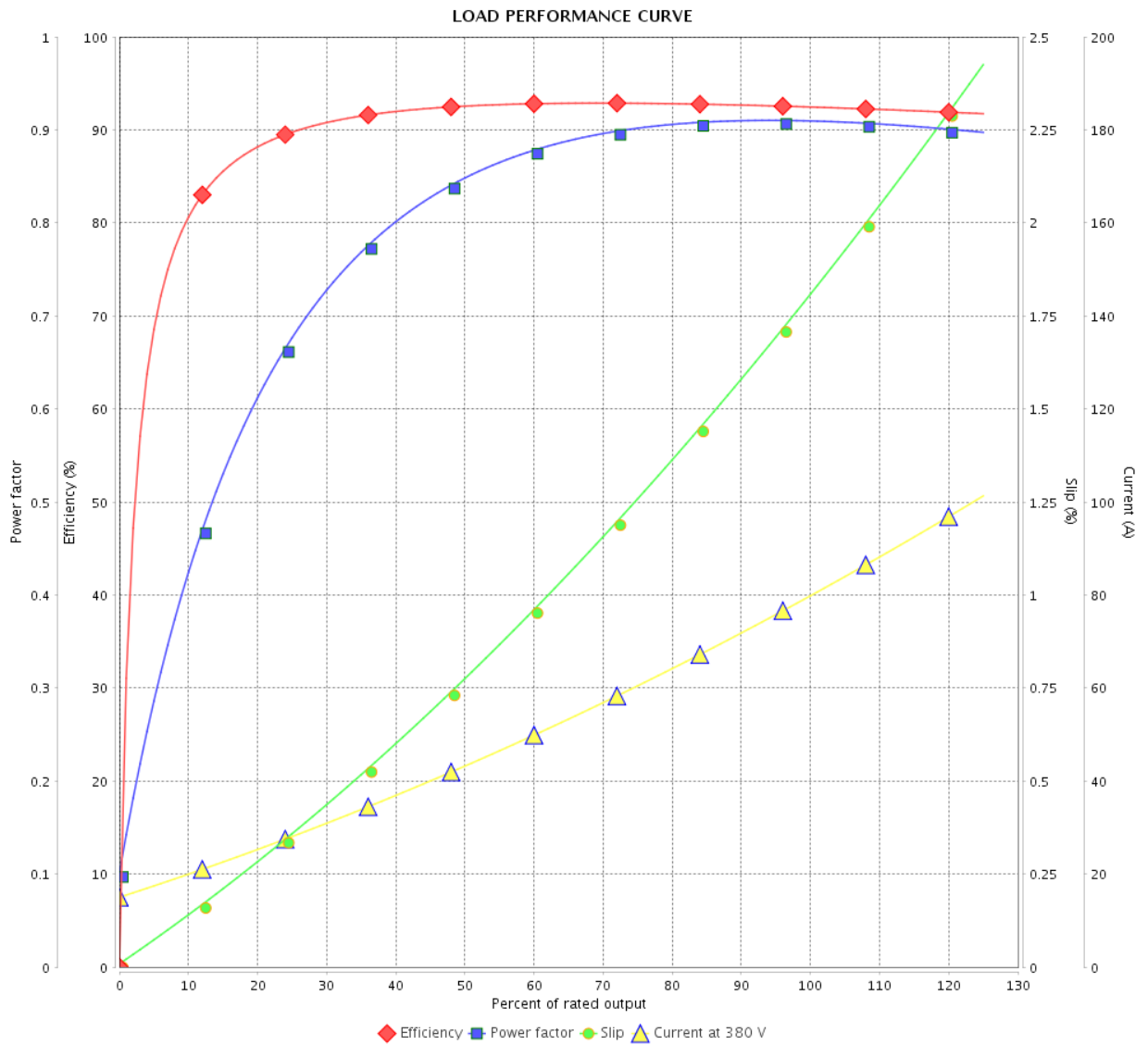


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 380 V 50 Hz 2P IE1

Rated current : 81.3 A
 LRC : 5.2
 Rated torque : 107 ft.lb
 Locked rotor torque : 160 %
 Breakdown torque : 210 %
 Rated speed : 2945 rpm

Moment of inertia (J) : 10.6 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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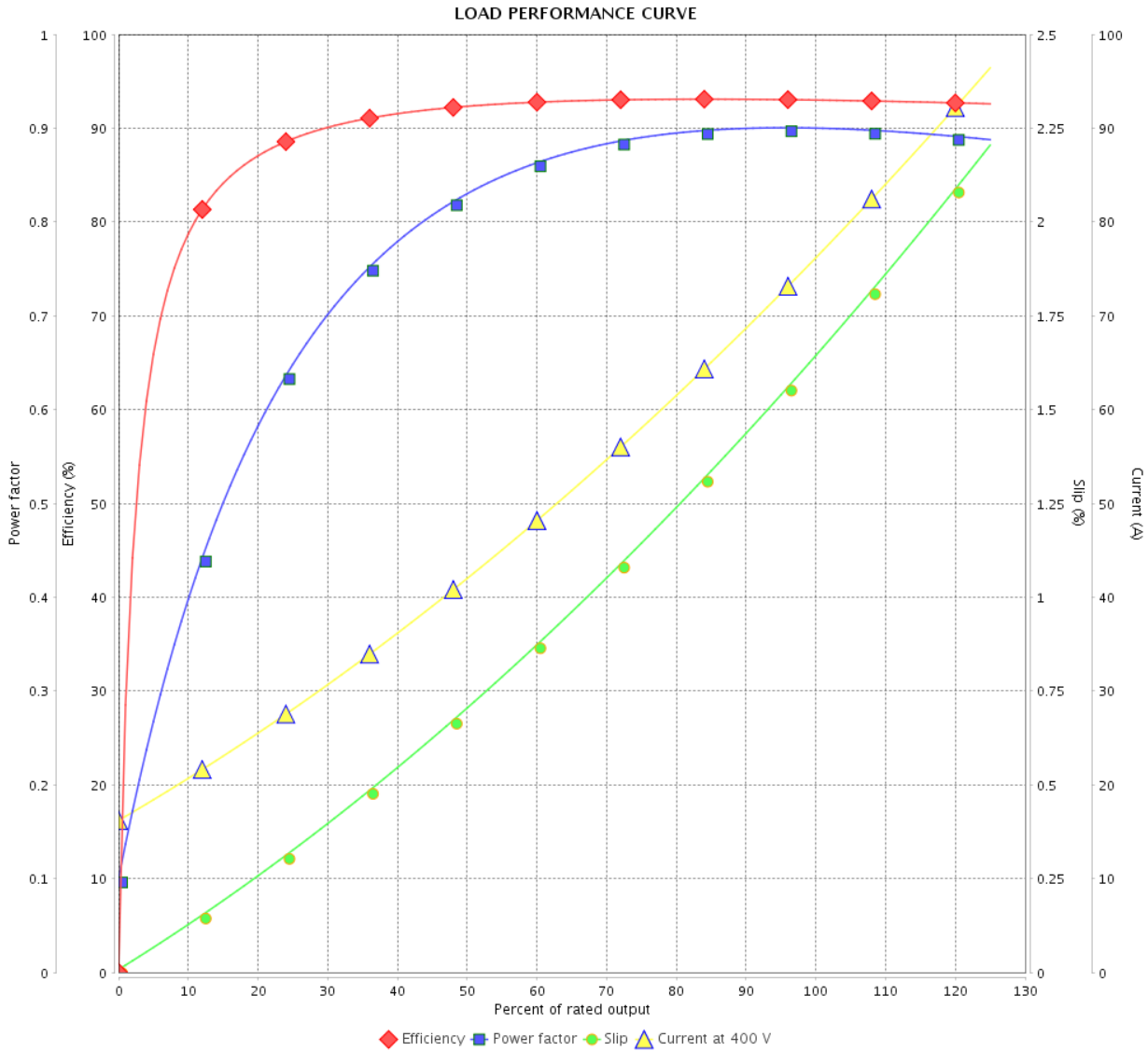


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 400 V 50 Hz 2P IE2

Rated current : 77.6 A
 LRC : 5.8
 Rated torque : 107 ft.lb
 Locked rotor torque : 180 %
 Breakdown torque : 229 %
 Rated speed : 2950 rpm

Moment of inertia (J) : 10.6 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

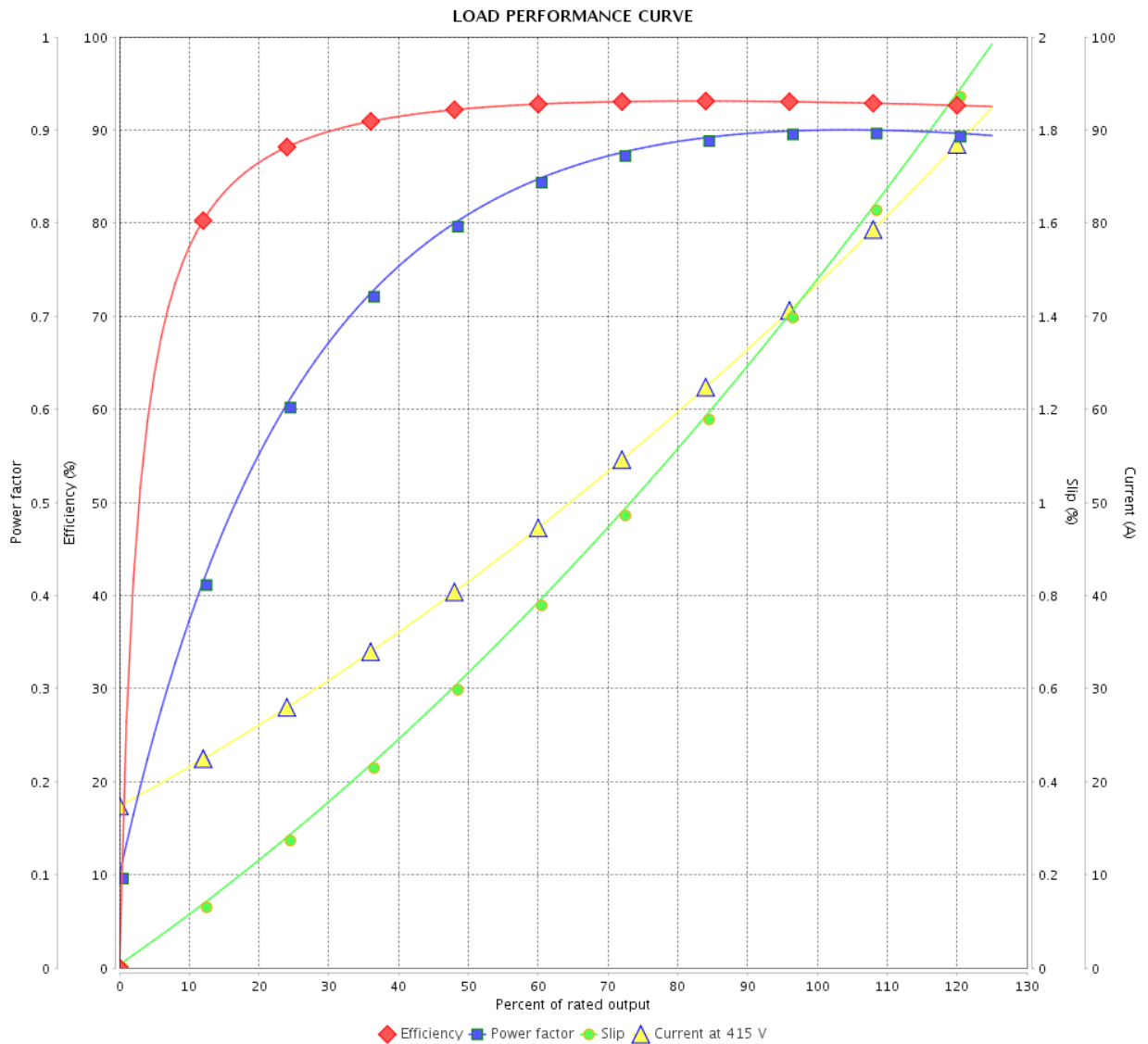


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 415 V 50 Hz 2P IE2

Rated current : 74.8 A
 LRC : 6.2
 Rated torque : 107 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 2955 rpm

Moment of inertia (J) : 10.6 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 : 12275877
Catalog # : 06036ET3E364TSC-W22

Performance : 230/460 V 60 Hz 2P

Rated current	: 134/67.0 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 88.5 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 3560 rpm	Design	: B

Heating constant

Cooling constant

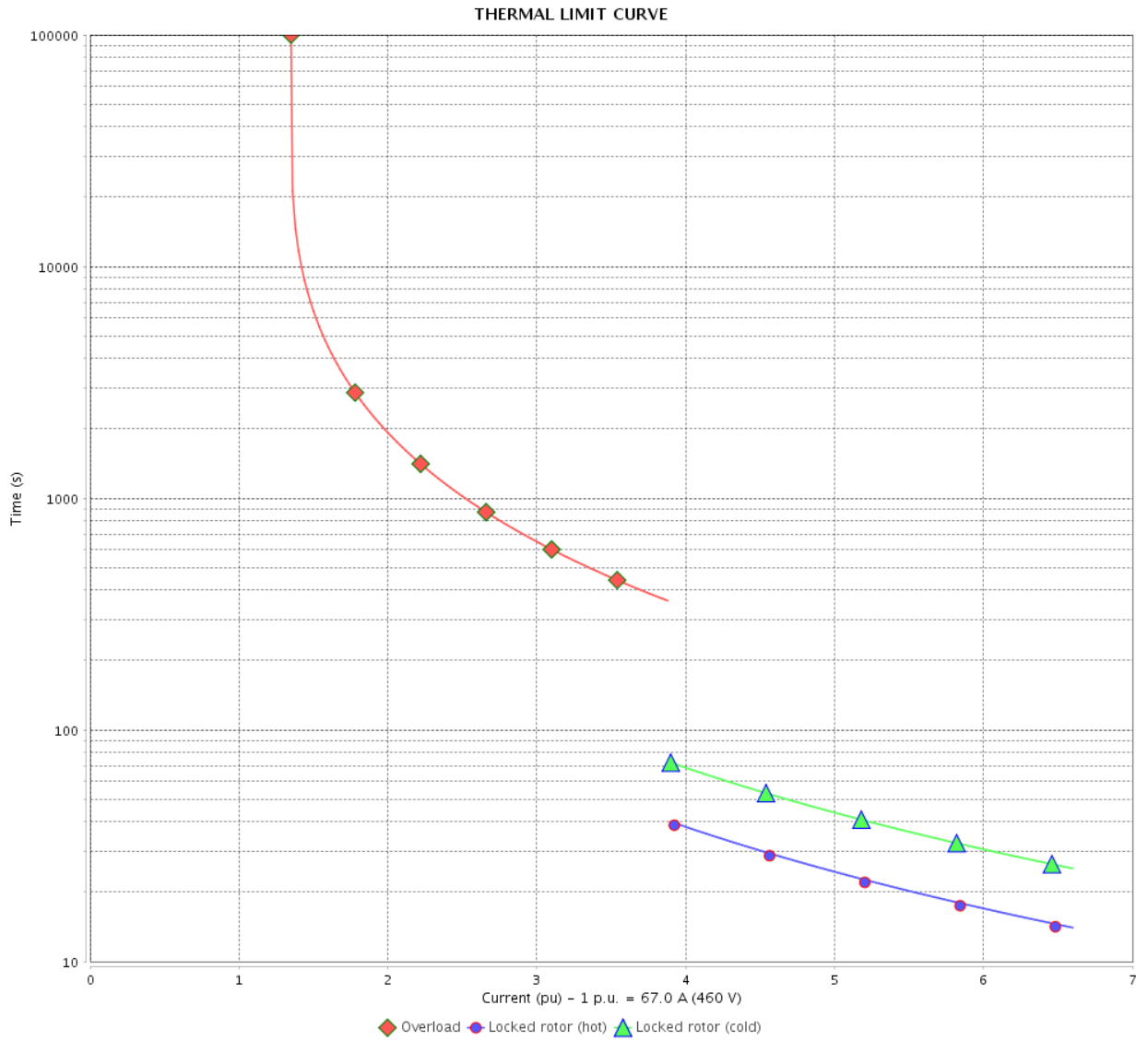
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12275877
Catalog # : 06036ET3E364TSC-W22

Performance : 380 V 50 Hz 2P IE3

Rated current	: 65.9 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 88.9 ft.lb	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 2955 rpm	Design	: B

Heating constant

Cooling constant

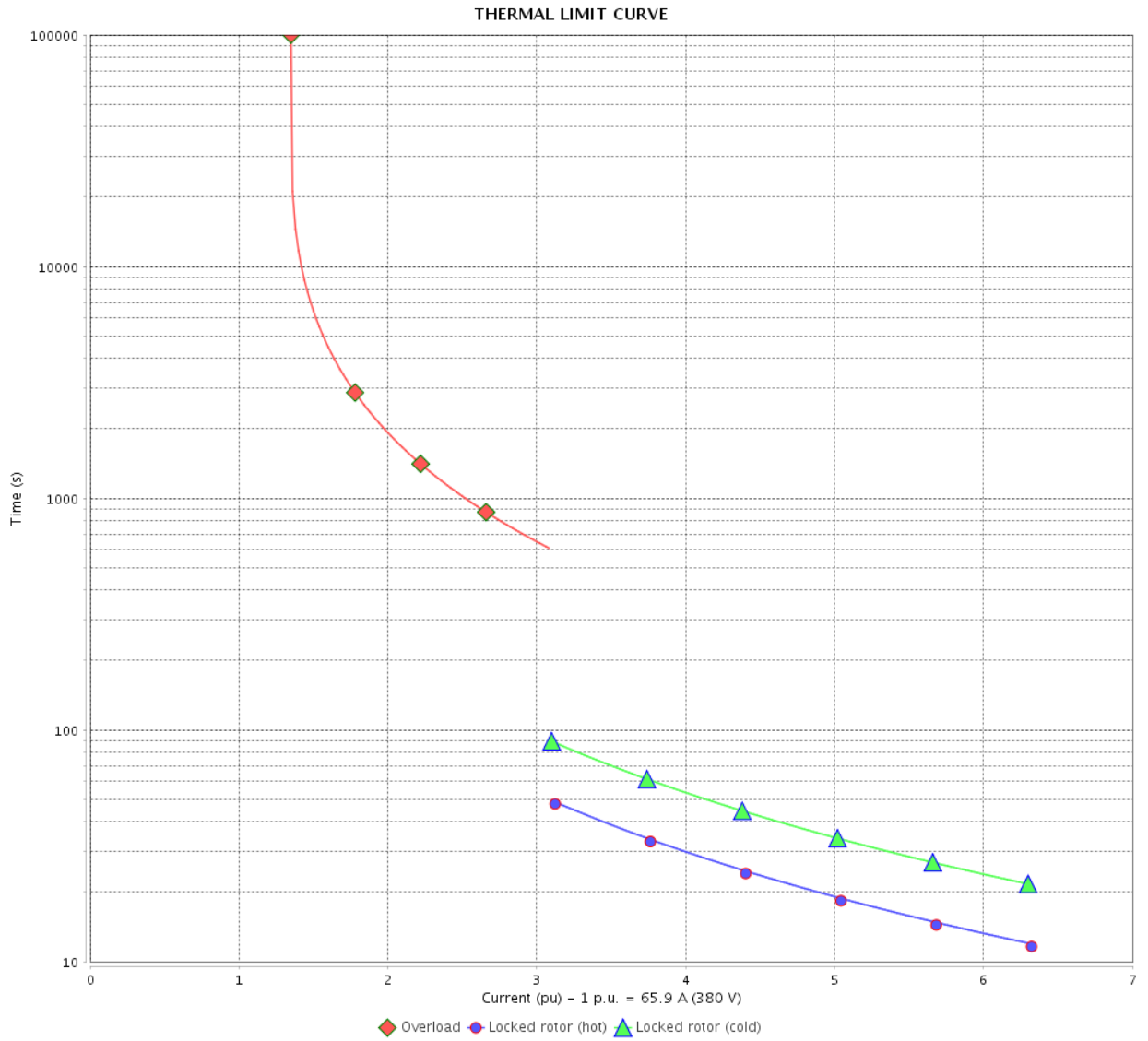
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Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12275877
Catalog # : 06036ET3E364TSC-W22

Performance : 400 V 50 Hz 2P IE3

Rated current	: 63.3 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 88.7 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 2960 rpm	Design	: B

Heating constant

Cooling constant

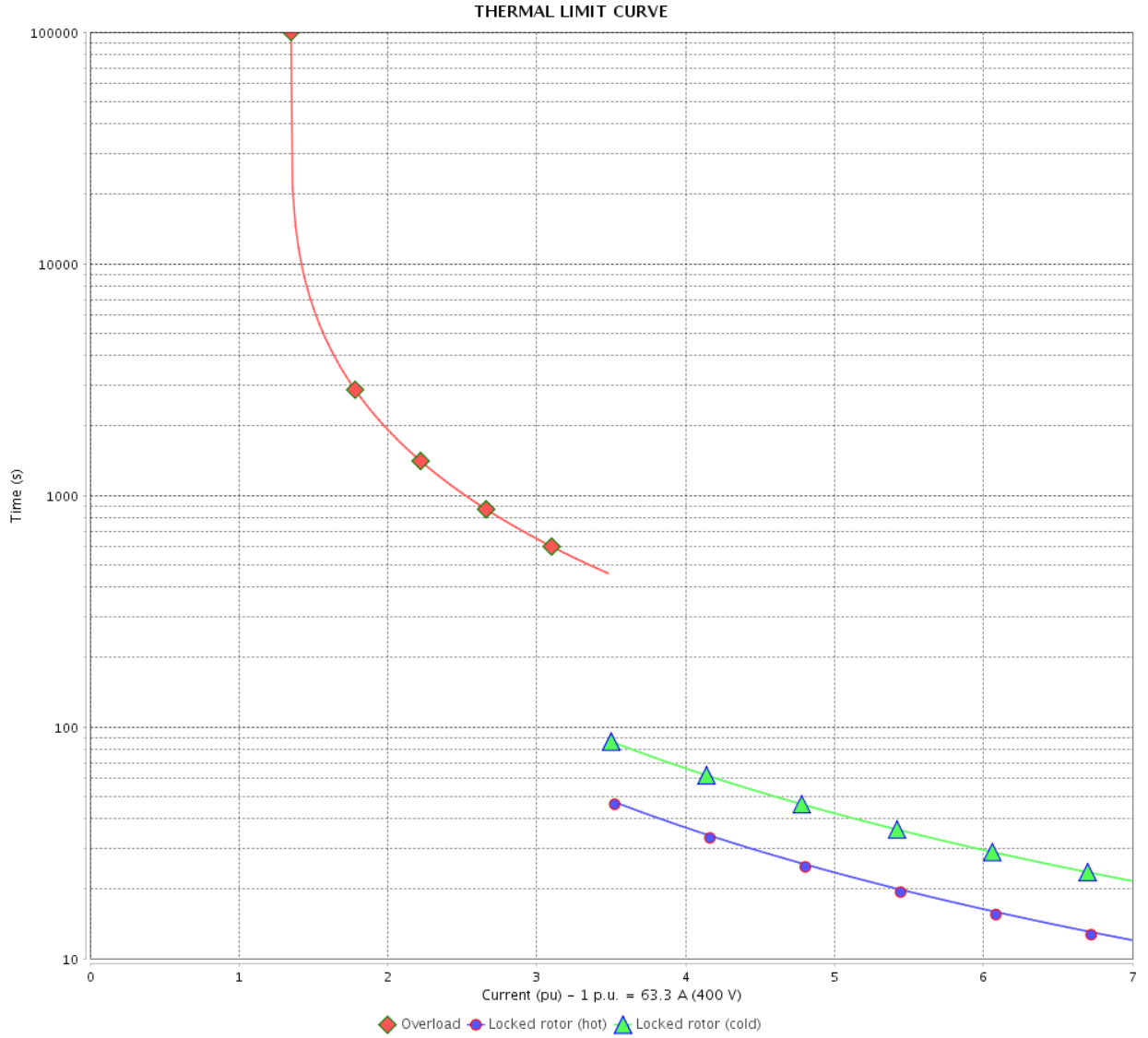
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Three Phase Induction Motor - Squirrel Cage



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 12275877
 Catalog # : 06036ET3E364TSC-W22

Performance : 415 V 50 Hz 2P IE3

Rated current : 61.7 A	Moment of inertia (J) : 10.6 sq.ft.lb
LRC : 7.4	Duty cycle : Cont.(S1)
Rated torque : 88.6 ft.lb	Insulation class : F
Locked rotor torque : 229 %	Service factor : 1.00
Breakdown torque : 300 %	Temperature rise : 80 K
Rated speed : 2965 rpm	Design : B

Heating constant

Cooling constant

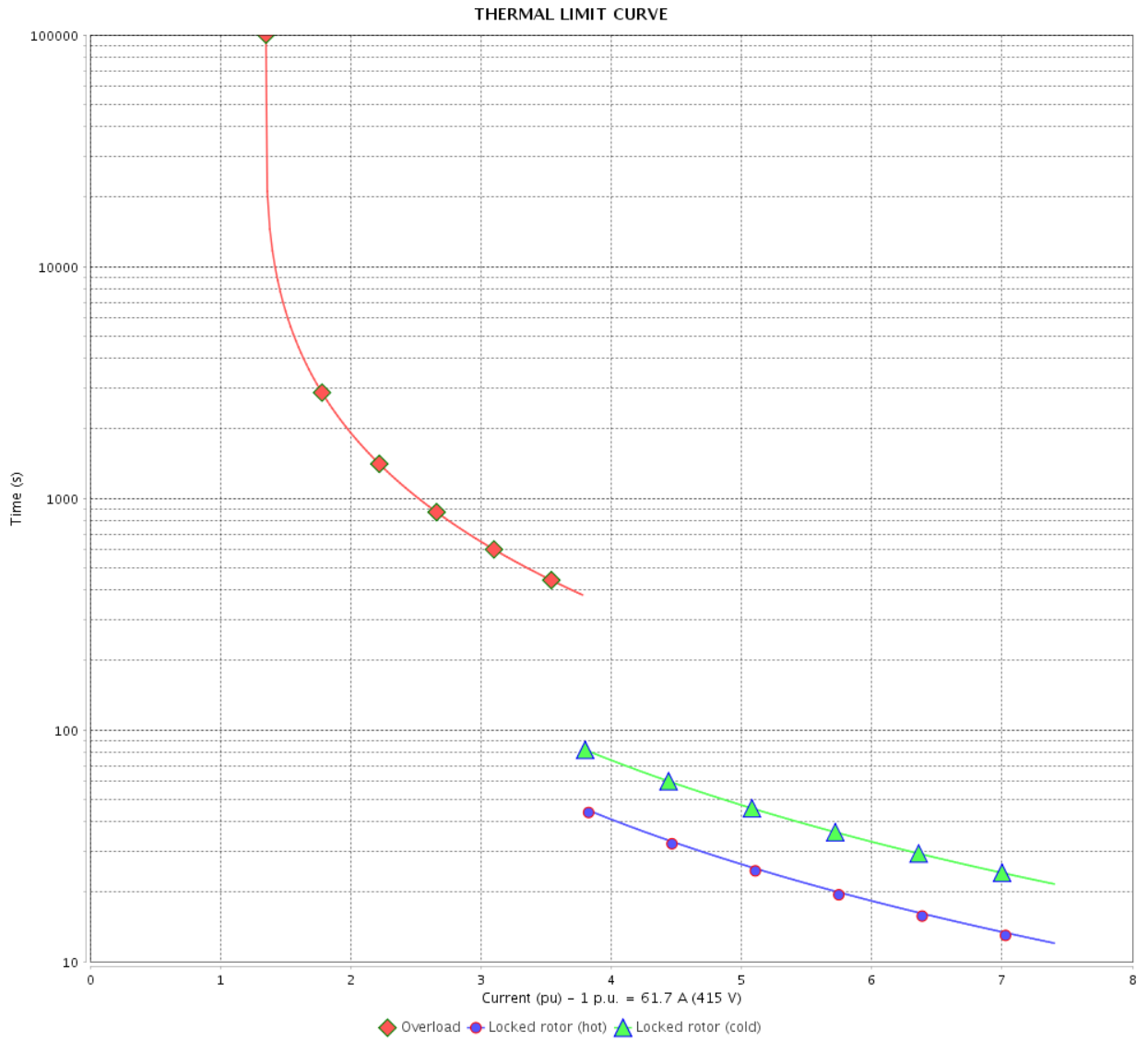
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THERMAL LIMIT CURVE

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 : 12275877
Catalog # : 06036ET3E364TSC-W22

Performance : 380 V 50 Hz 2P IE1

Rated current	: 81.3 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 5.2	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 160 %	Service factor	: 1.00
Breakdown torque	: 210 %	Temperature rise	: 105 K
Rated speed	: 2945 rpm	Design	: B

Heating constant

Cooling constant

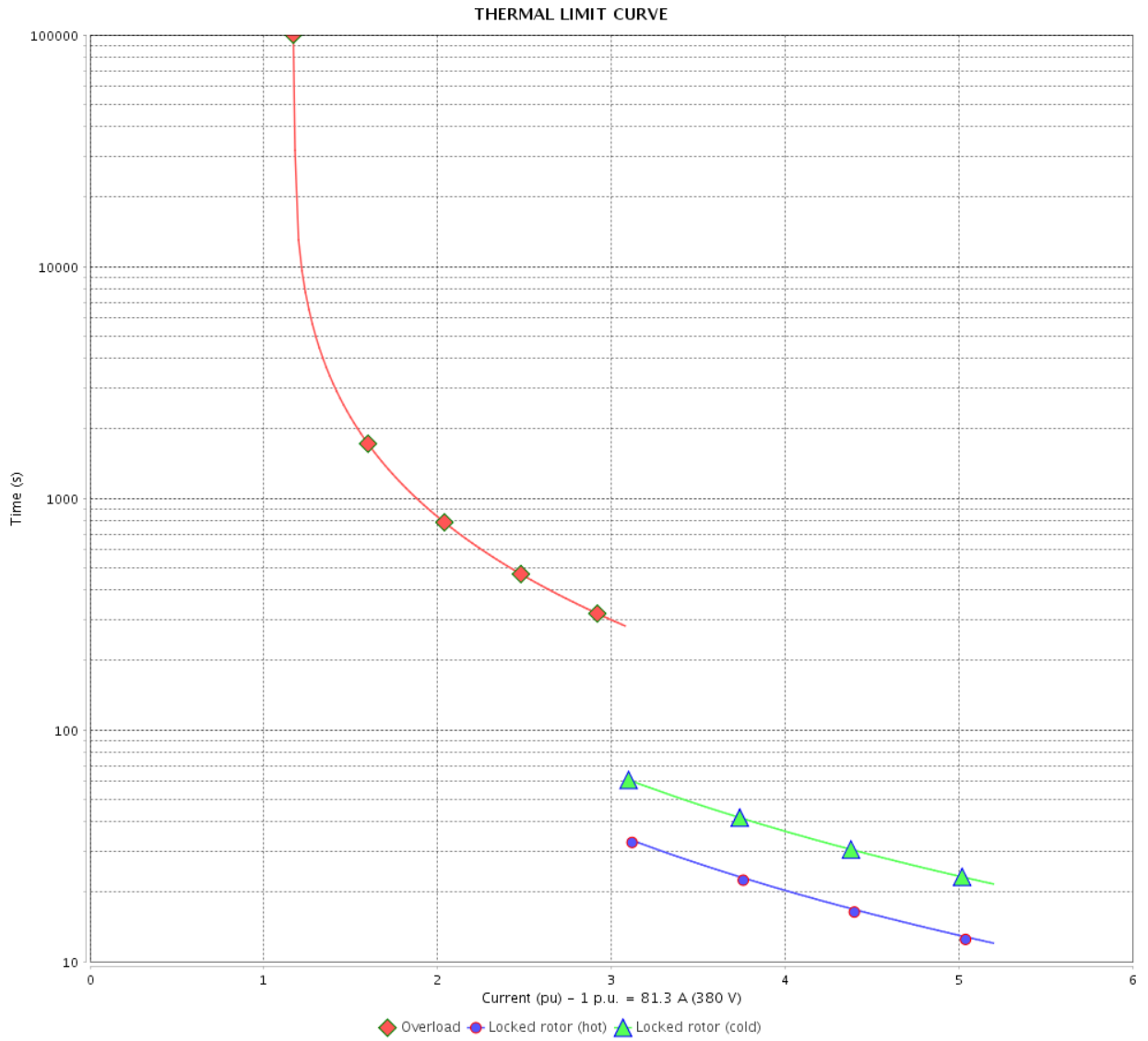
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Customer : _____



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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12275877
Catalog # : 06036ET3E364TSC-W22

Performance : 400 V 50 Hz 2P IE2

Rated current	: 77.6 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.00
Breakdown torque	: 229 %	Temperature rise	: 105 K
Rated speed	: 2950 rpm	Design	: B

Heating constant

Cooling constant

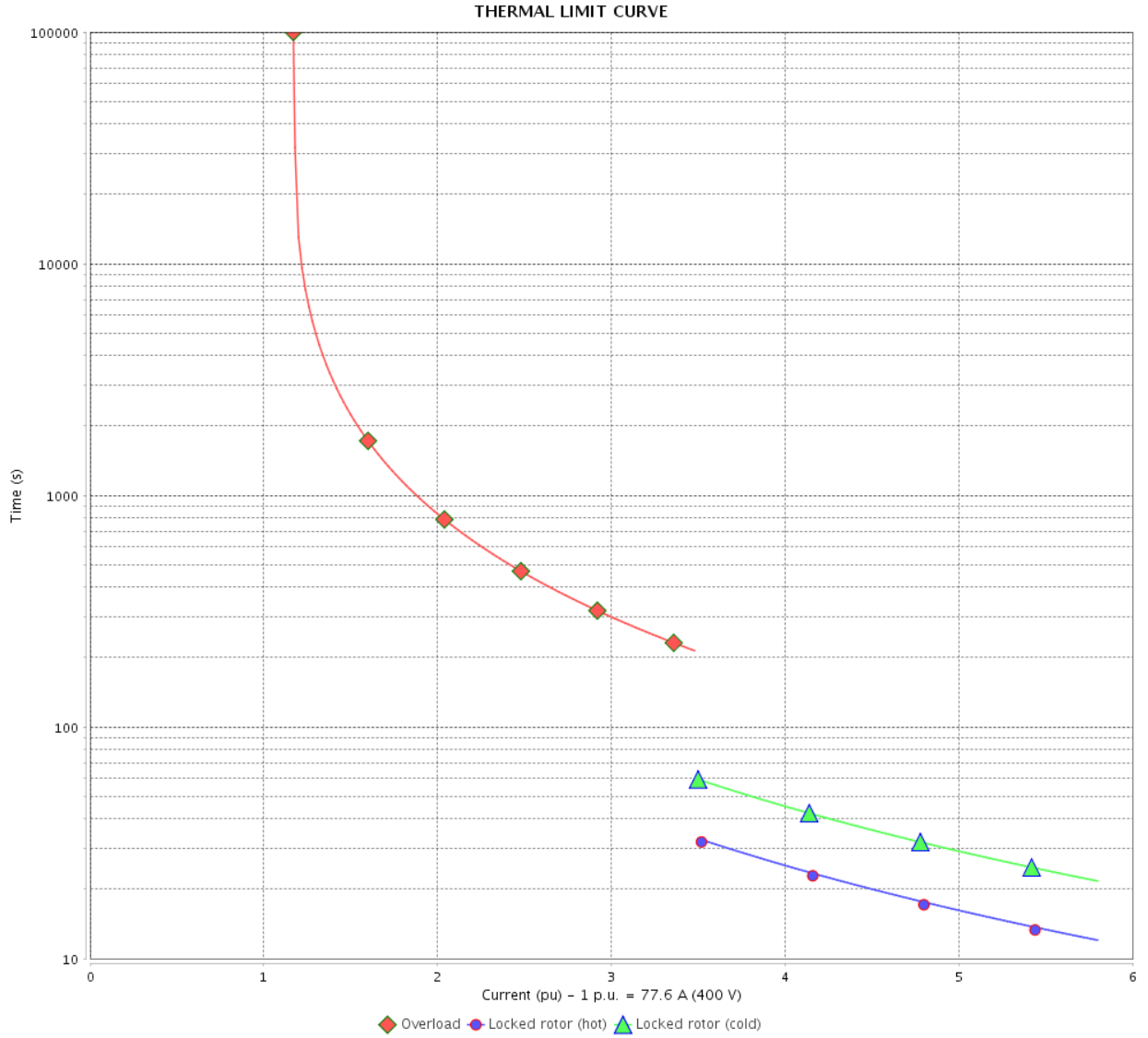
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	13/04/2022		26 / 36	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Performed by				
Checked by				
Date				
			Page	Revision
			27 / 36	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12275877
Catalog # : 06036ET3E364TSC-W22

Performance : 415 V 50 Hz 2P IE2

Rated current	: 74.8 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 105 K
Rated speed	: 2955 rpm	Design	: B

Heating constant

Cooling constant

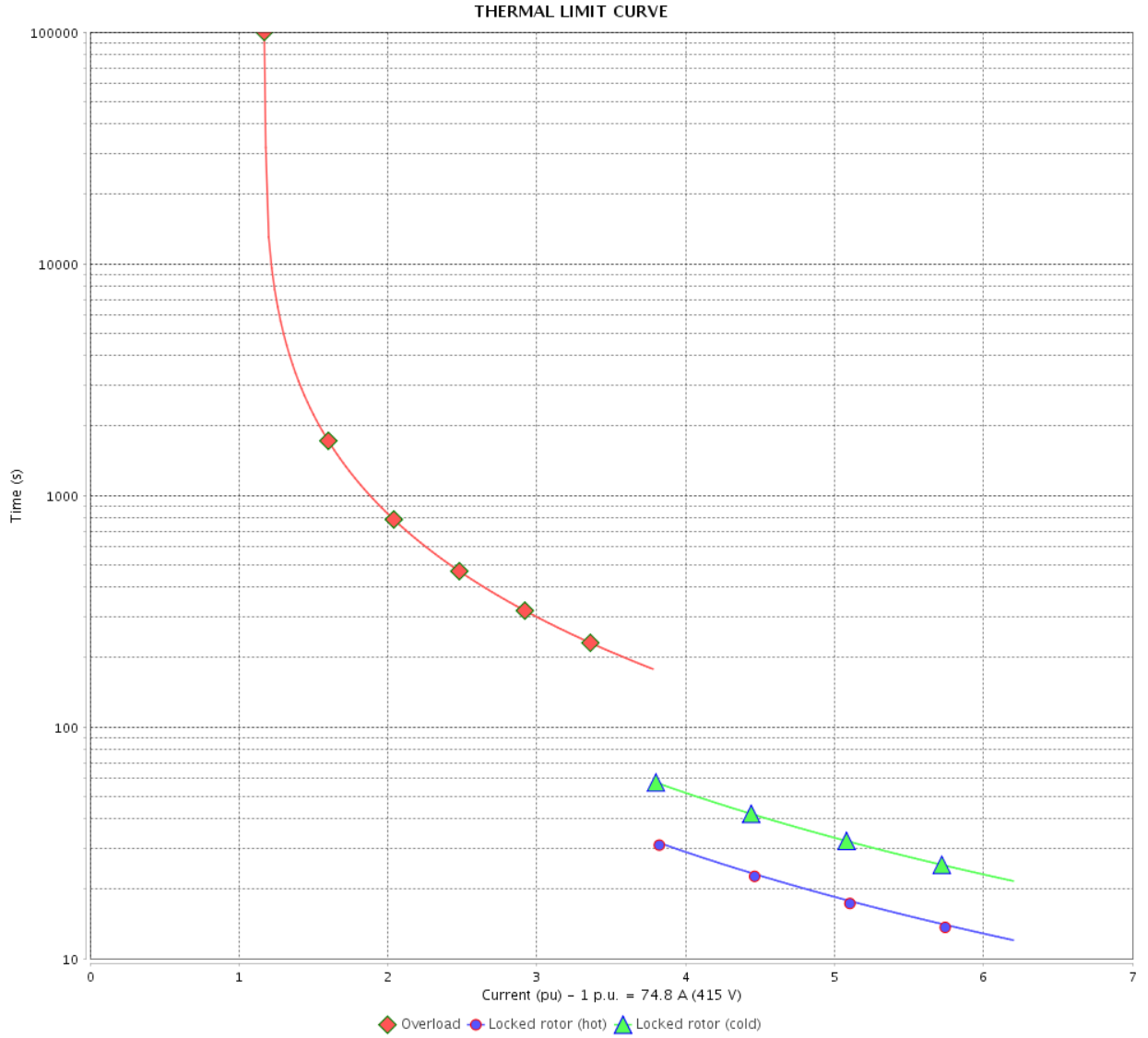
Rev.	Changes Summary	Performed	Checked	Date
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Checked by			Page	Revision
Date	13/04/2022		28 / 36	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Performed by		Page		Revision
Checked by		29 / 36		
Date		13/04/2022		

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



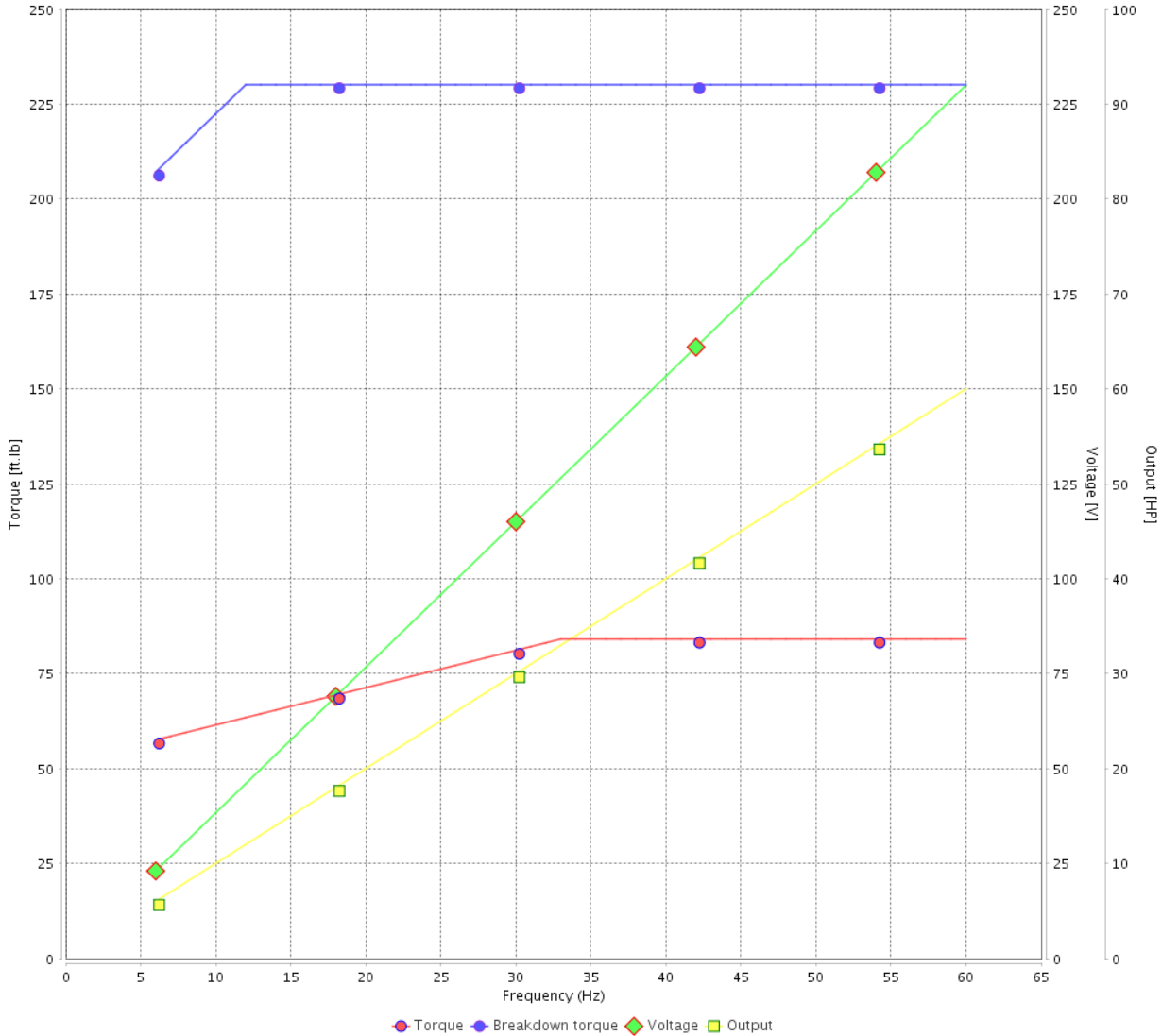
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22

VFD OPERATION CURVE



Performance : 230/460 V 60 Hz 2P

Rated current : 134/67.0 A
 LRC : 6.6
 Rated torque : 88.5 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 260 %
 Rated speed : 3560 rpm

Moment of inertia (J) : 10.6 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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Performed by			Page 30 / 36	Revision
Checked by				
Date	13/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

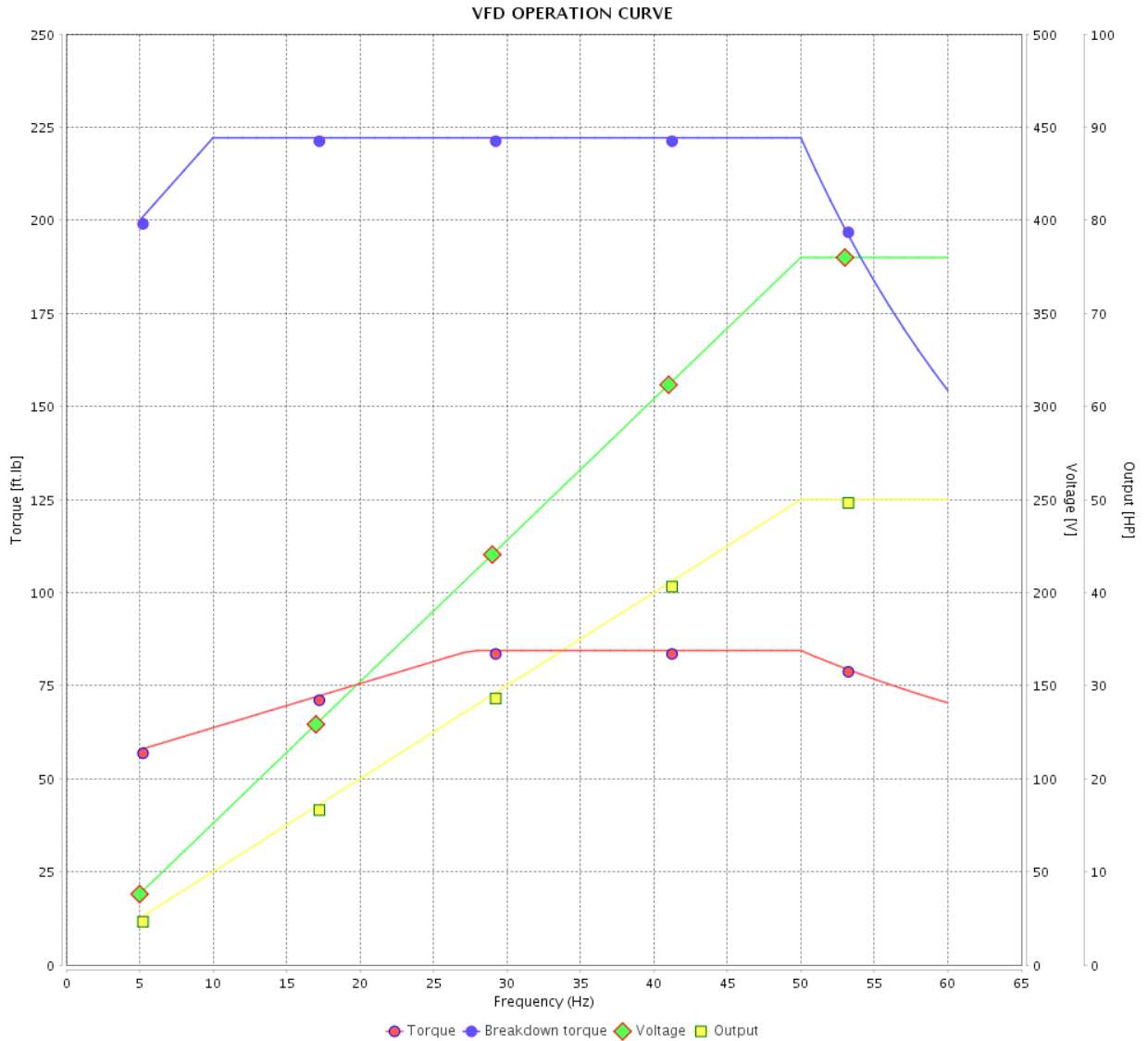


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 380 V 50 Hz 2P IE3

Rated current : 65.9 A
 LRC : 6.3
 Rated torque : 88.9 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 2955 rpm

Moment of inertia (J) : 10.6 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	Revision
Checked by				
Date				

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

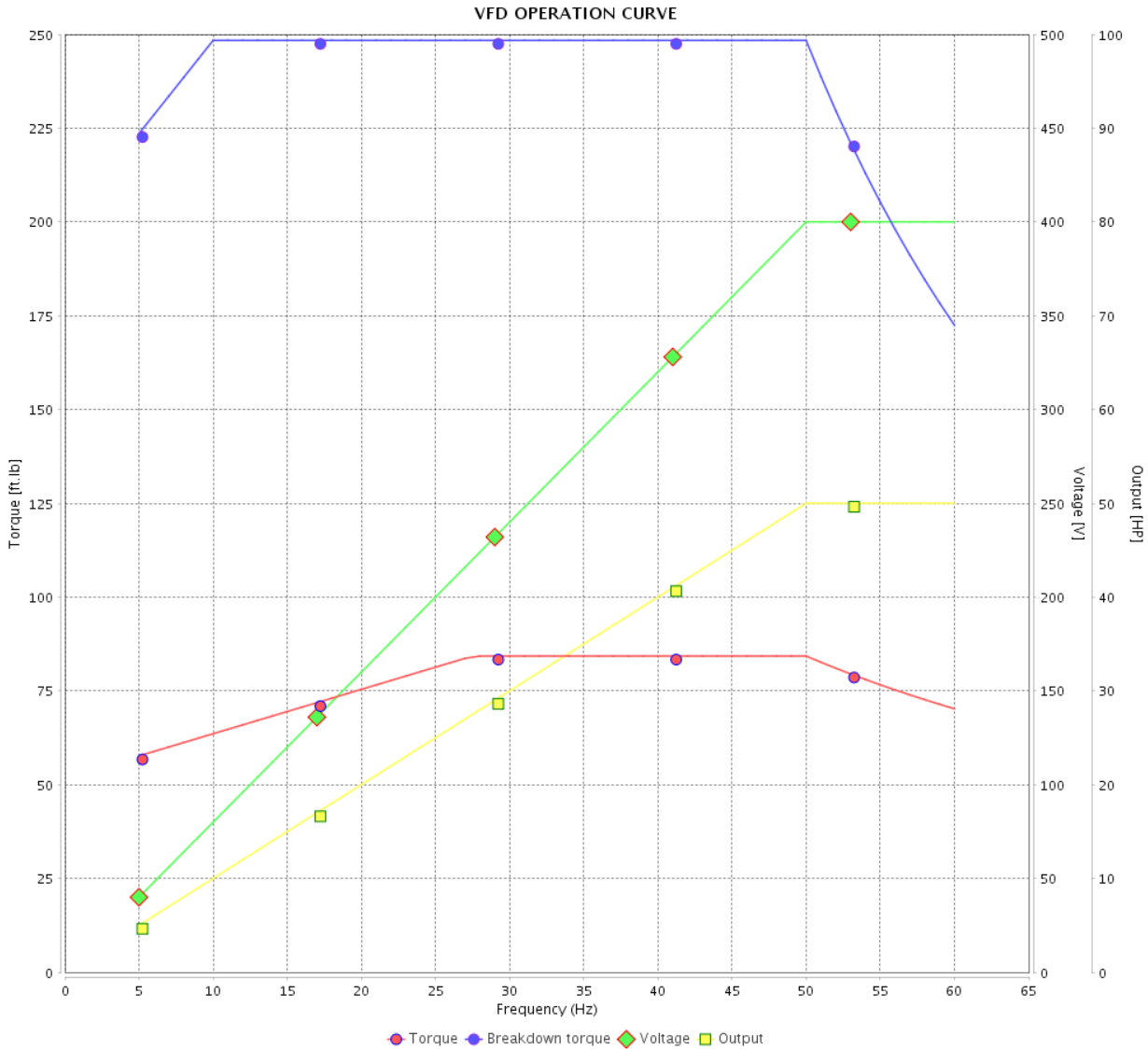


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 400 V 50 Hz 2P IE3

Rated current : 63.3 A
 LRC : 7.0
 Rated torque : 88.7 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 280 %
 Rated speed : 2960 rpm

Moment of inertia (J) : 10.6 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
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Checked by				
Date	13/04/2022			

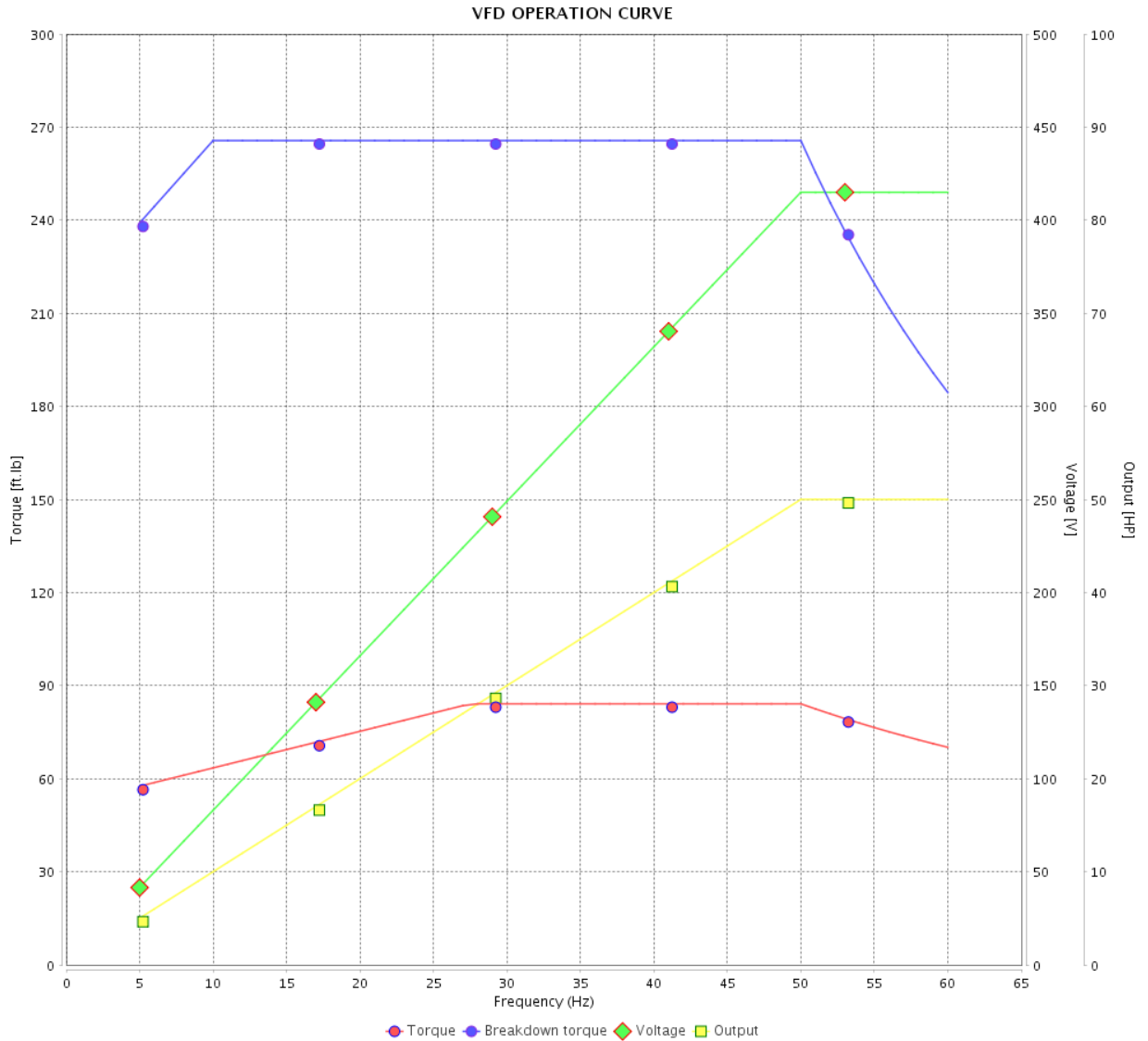
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 12275877
 Catalog # : 06036ET3E364TSC-W22



Performance : 415 V 50 Hz 2P IE3

Rated current : 61.7 A	Moment of inertia (J) : 10.6 sq.ft.lb
LRC : 7.4	Duty cycle : Cont.(S1)
Rated torque : 88.6 ft.lb	Insulation class : F
Locked rotor torque : 229 %	Service factor : 1.00
Breakdown torque : 300 %	Temperature rise : 80 K
Rated speed : 2965 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



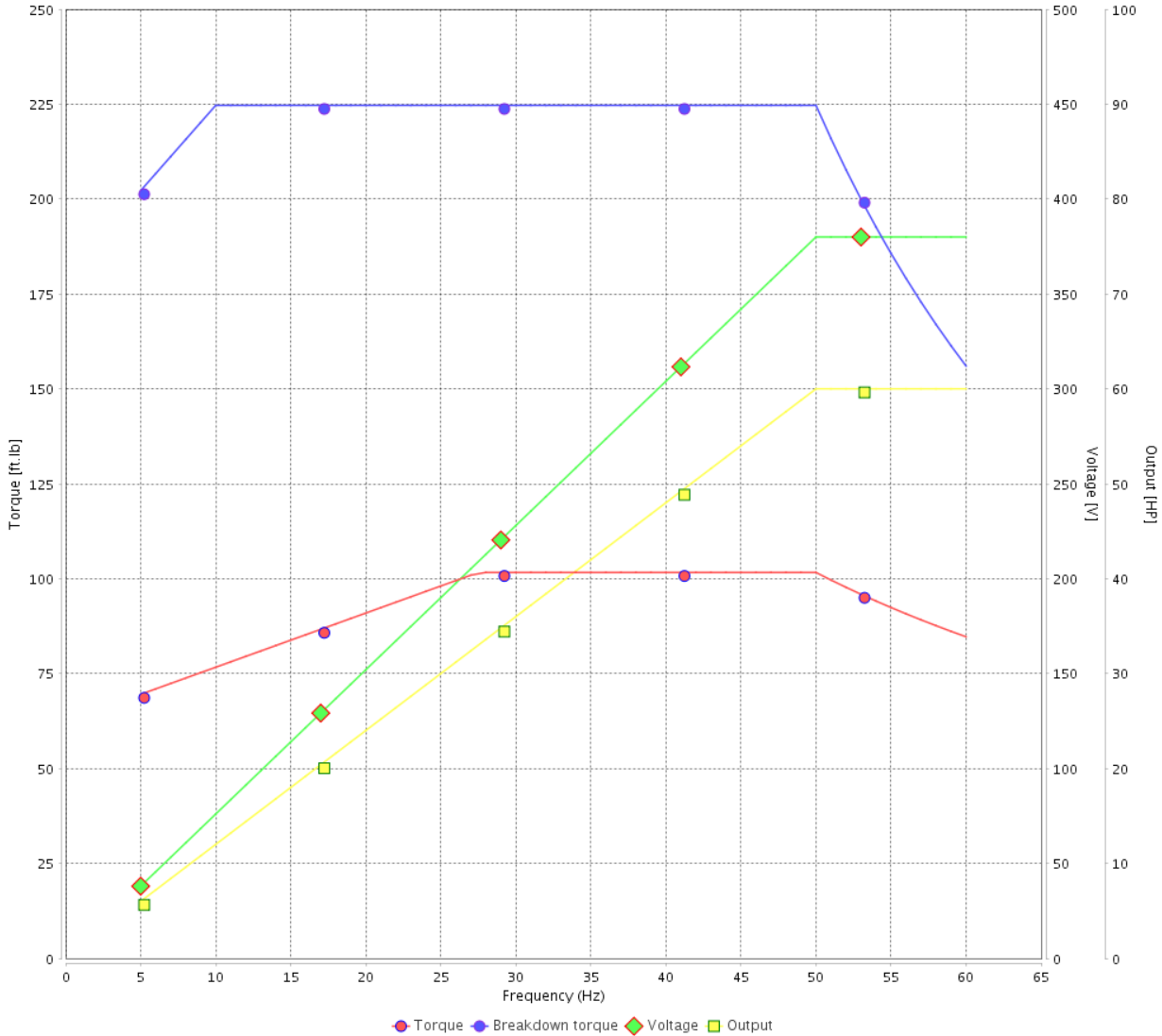
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22

VFD OPERATION CURVE



Performance : 380 V 50 Hz 2P IE1

Rated current	: 81.3 A	Moment of inertia (J)	: 10.6 sq.ft.lb
LRC	: 5.2	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 160 %	Service factor	: 1.00
Breakdown torque	: 210 %	Temperature rise	: 105 K
Rated speed	: 2945 rpm	Design	: B

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Performed by			Page 34 / 36	Revision
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

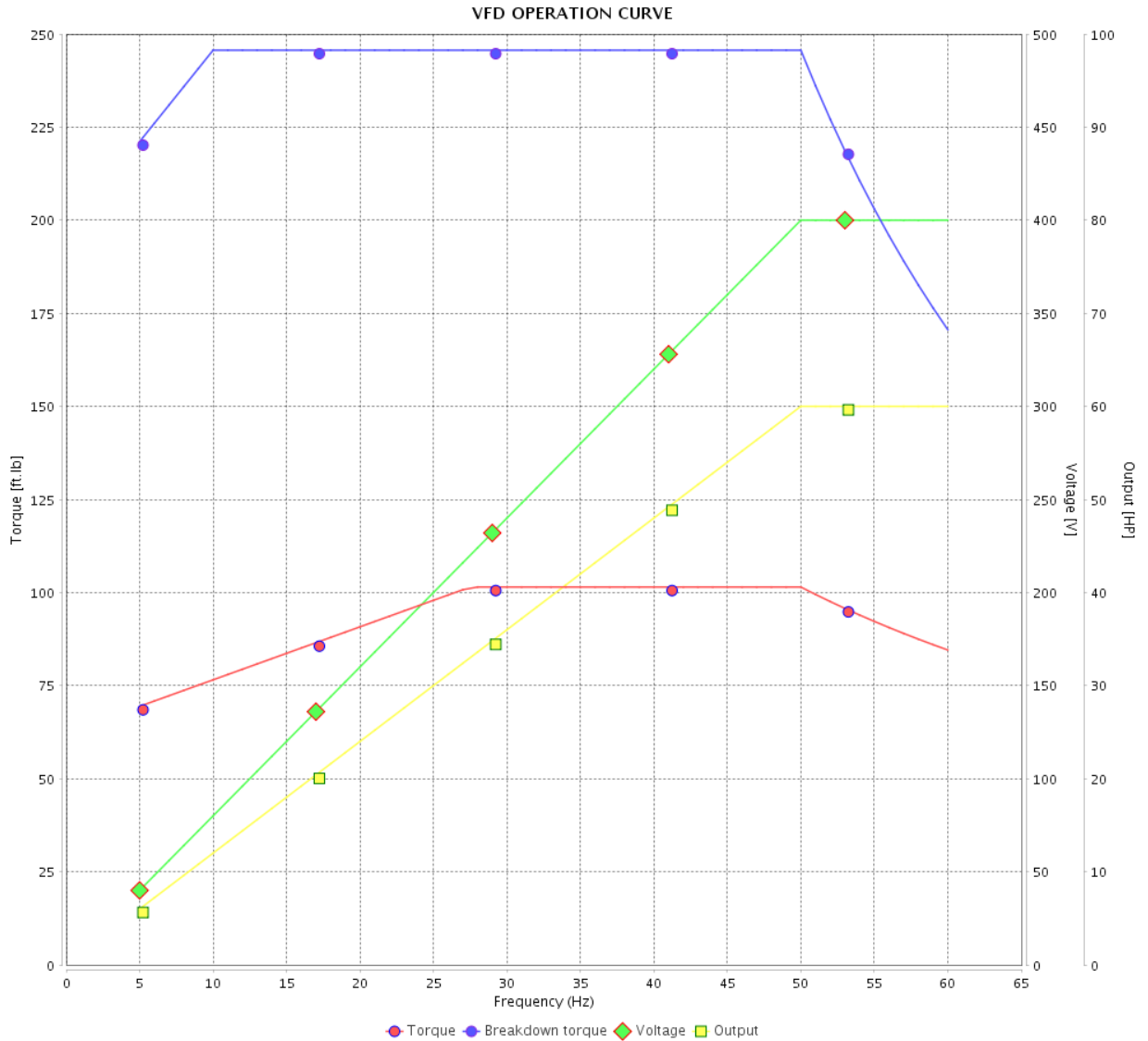


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22



Performance : 400 V 50 Hz 2P IE2

Rated current : 77.6 A
 LRC : 5.8
 Rated torque : 107 ft.lb
 Locked rotor torque : 180 %
 Breakdown torque : 229 %
 Rated speed : 2950 rpm

Moment of inertia (J) : 10.6 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



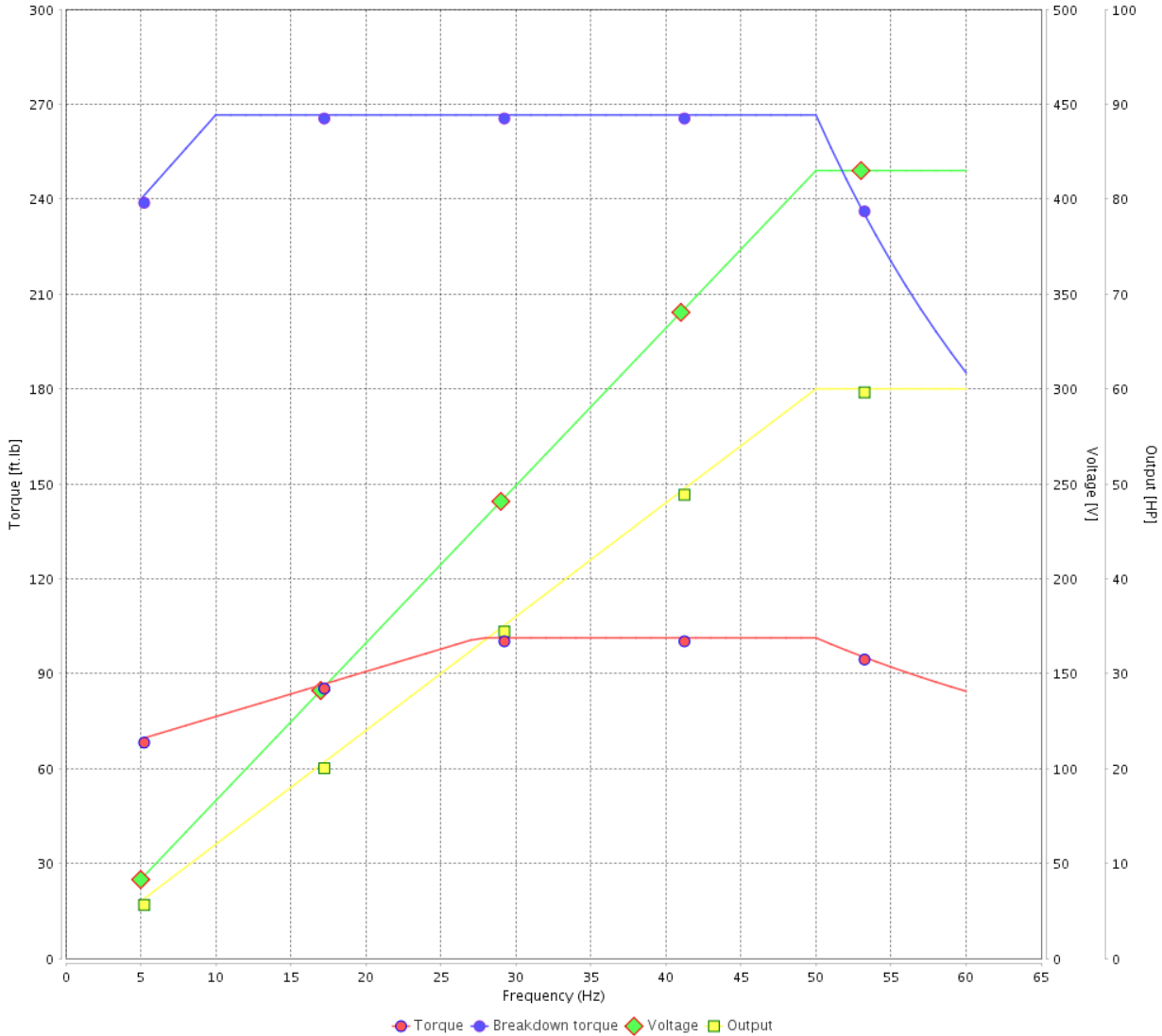
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12275877

Catalog # : 06036ET3E364TSC-W22

VFD OPERATION CURVE



Performance : 415 V 50 Hz 2P IE2

Rated current : 74.8 A
 LRC : 6.2
 Rated torque : 107 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 2955 rpm

Moment of inertia (J) : 10.6 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

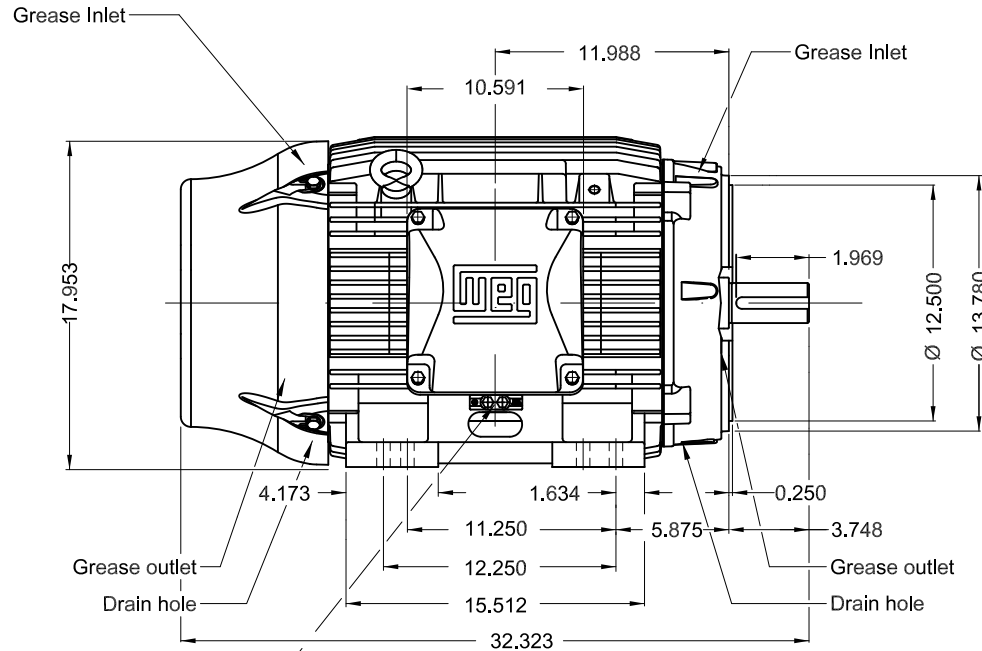
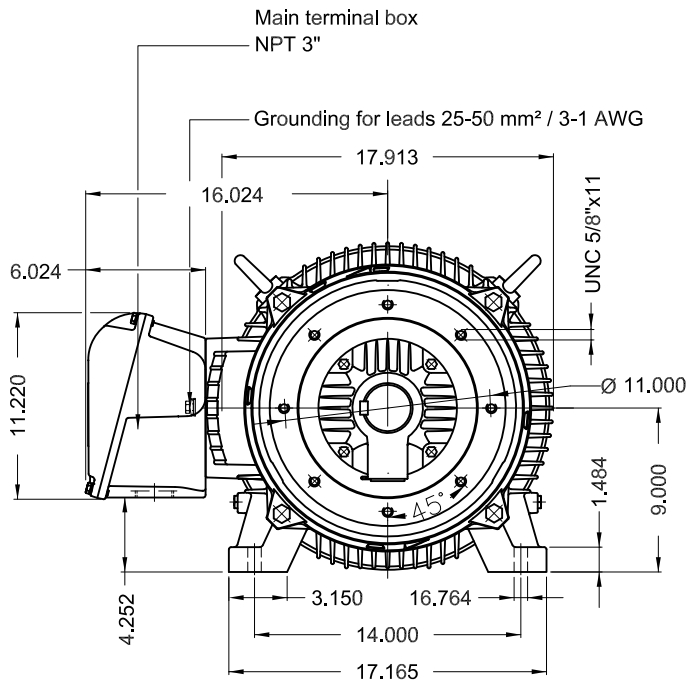
Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
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Date				

1 2 3 4 5 6

A

B

C

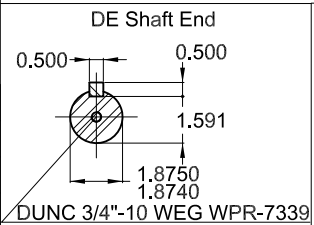


Grounding for leads 25-185 mm² / 3AWG-350MCM

D

E

Without vertical jackscrews
 Color RAL 5009
 Painting plan 203A
 Mounting B34R(D)



60 HP 02 Poles 60 Hz A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWUSER	THREE PH. MOTOR W22 PREM. EFF.					
CHECKED		FRAME 364/5TSC 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 06036ET3E364TSC-W22

Inverter Duty Motor
Severe Duty

PH3 60Hz Fr. 364/5TSC 1000m.a.s.l. IP55 TEFC 880lb

V 230/460

A 134/67.0

HP 60

kW 45

SF 1.25

SFA 168/83.8

RPM 3560

PF 0.90

AMB 40°C

INS cl. F DT80K

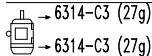
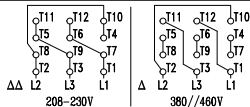
NEMA NOM EFF 93.6%

DUTY CONT.

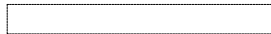
DES B Code G

USABLE @208V 148A SF 1.10 SFA 163

60HP 45kW 50Hz 380V 81.3A 2945RPM SF 1.00 EFF 92.4% (IE1)



MOBIL POLYREX EM (4000h)



MADE IN MEXICO
12275877