

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12821762				
		Catalog # :	01036ET3ER215TC-W22				
Frame	: 215TC	Cooling method	: IC411 - TEFC				
Insulation class	: F	Mounting	: W-6				
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	: 161 lb				
Protection degree	: IP55	Moment of inertia (J)	: 0.6362 sq.ft.lb				
Design	: B						
Output [HP]	10	7.5	7.5	7.5	10	10	10
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]	23.2/11.6	10.4	10.1	9.91	14.1	13.4	13.1
L. R. Amperes [A]	167/83.5	77.0	84.8	90.2	79.0	85.8	90.4
LRC [A]	7.2x(Code H)	7.4x(Code H)	8.4x(Code J)	9.1x(Code K)	5.6x(Code F)	6.4x(Code G)	6.9x(Code H)
No load current [A]	6.80/3.40	3.40	3.70	3.90	3.40	3.70	3.90
Rated speed [RPM]	3510	2925	2935	2940	2870	2890	2900
Slip [%]	2.50	2.50	2.17	2.00	4.33	3.67	3.33
Rated torque [ft.lb]	15.0	13.5	13.4	13.4	18.3	18.2	18.1
Locked rotor torque [%]	220	240	270	290	170	200	220
Breakdown torque [%]	290	300	340	360	220	250	270
Service factor	1.25	1.25	1.25	1.25	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) 24s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)
Noise level ²	68.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)	63.0 dB(A)
Efficiency (%)	25%	89.3	88.4	88.2	87.2	90.1	90.2
	50%	89.5	88.6	88.4	87.7	89.5	89.5
	75%	90.2	89.6	89.6	89.5	89.5	89.5
	100%	90.2	89.5	89.5	89.8	88.5	88.5
Power Factor	25%	0.54	0.51	0.47	0.45	0.60	0.54
	50%	0.79	0.75	0.72	0.70	0.83	0.79
	75%	0.87	0.86	0.83	0.82	0.90	0.87
	100%	0.90	0.90	0.88	0.86	0.91	0.90
Bearing type	: Drive end : 6308 ZZ	Non drive end : 6207 ZZ	Foundation loads				
Sealing	: V'Ring	V'Ring	Max. traction	: 195 lb			
Lubrication interval	: -	-	Max. compression	: 356 lb			
Lubricant amount	: -	-					
Lubricant type	: Mobil Polyrex EM						
Notes USABLE @208V 25.7A SF 1.15 SFA 29.5A							
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



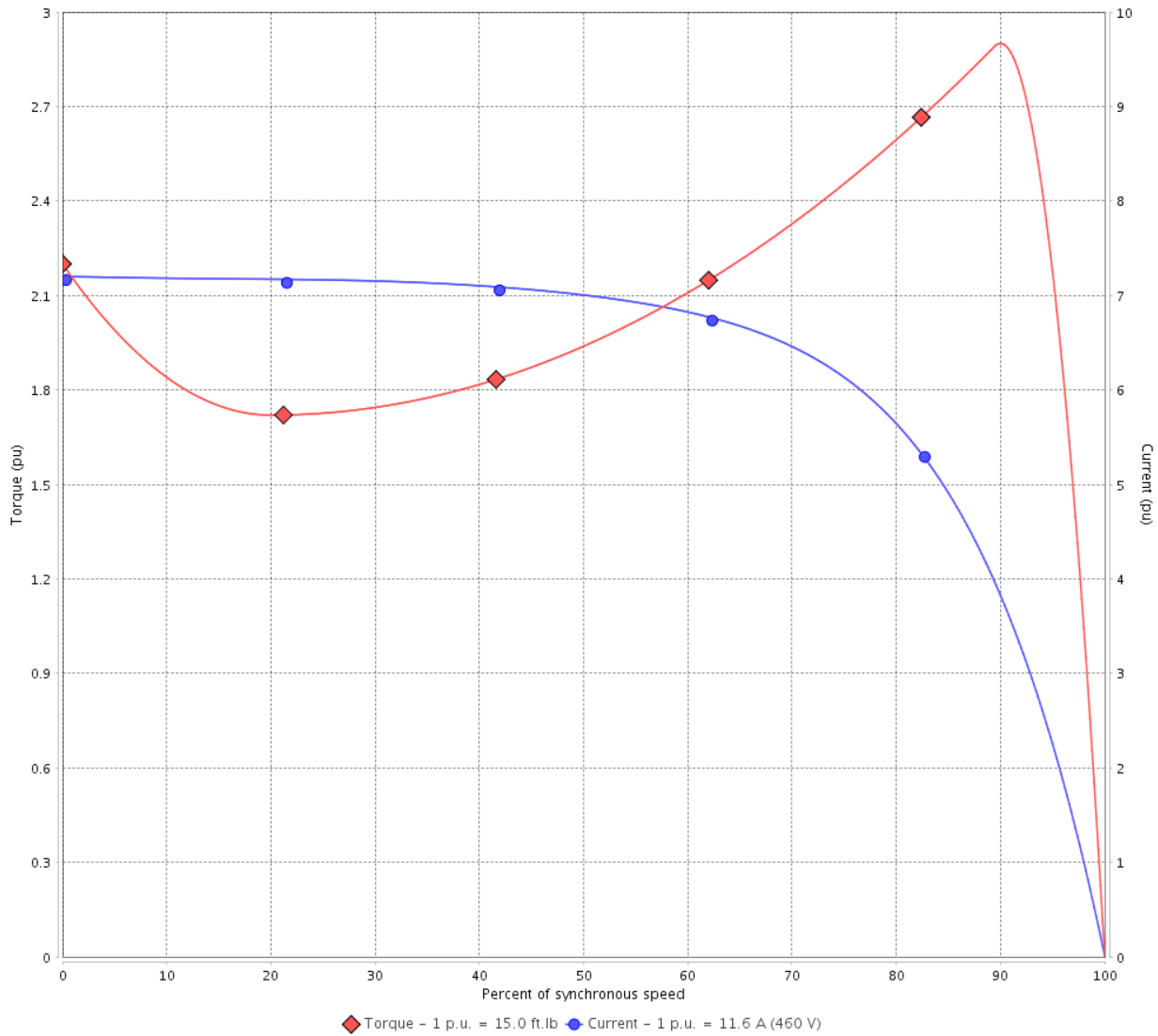
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 230/460 V 60 Hz 2P

Rated current	: 23.2/11.6 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 15.0 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: B

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

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TORQUE AND CURRENT VS SPEED CURVE



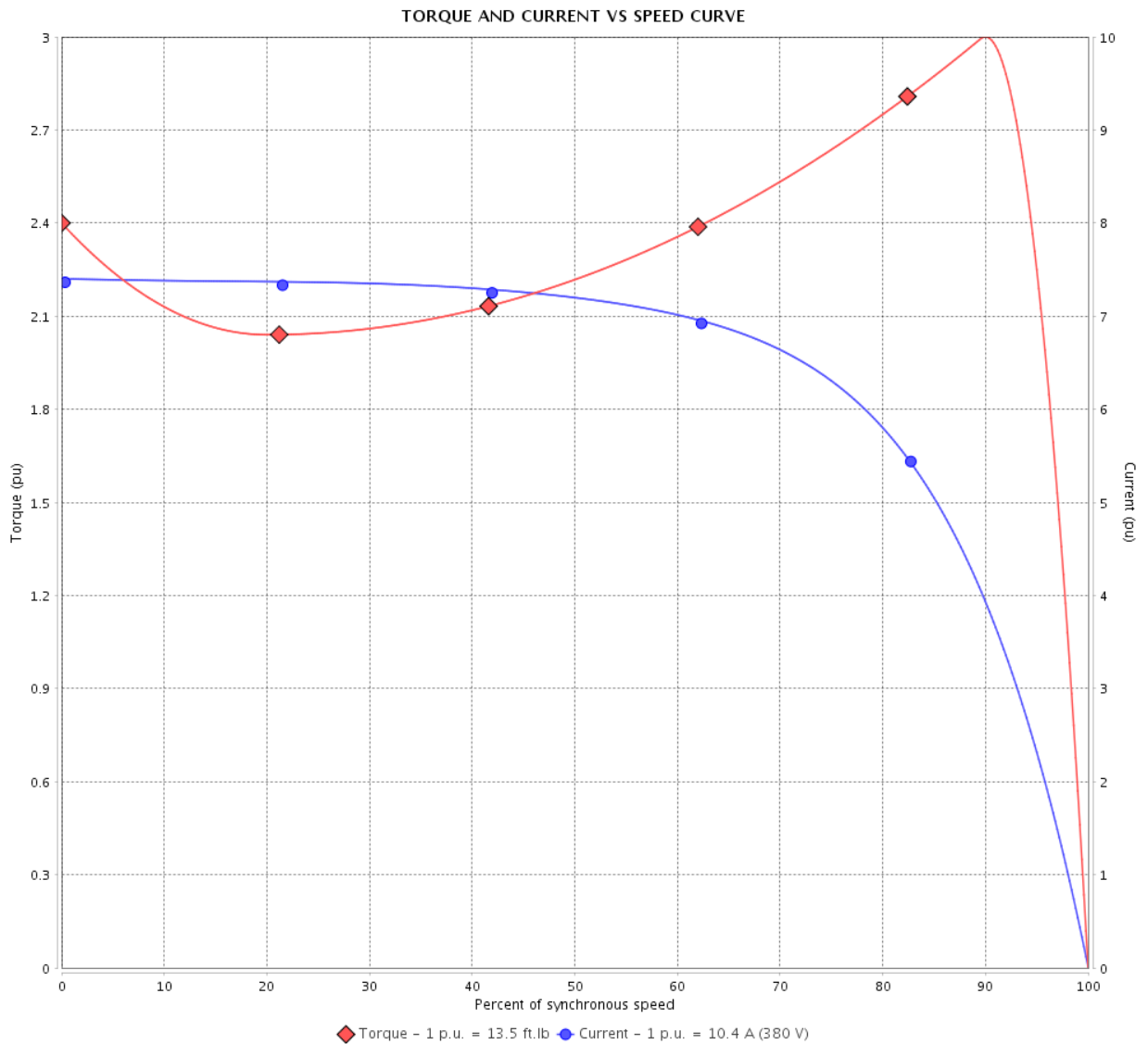
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22



Performance : 380 V 50 Hz 2P IE3

Rated current	: 10.4 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
LRC	: 7.4	Duty cycle	: Cont.(S1)
Rated torque	: 13.5 ft.lb	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.25
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 2925 rpm	Design	: B

Locked rotor time : 32s (cold) 18s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



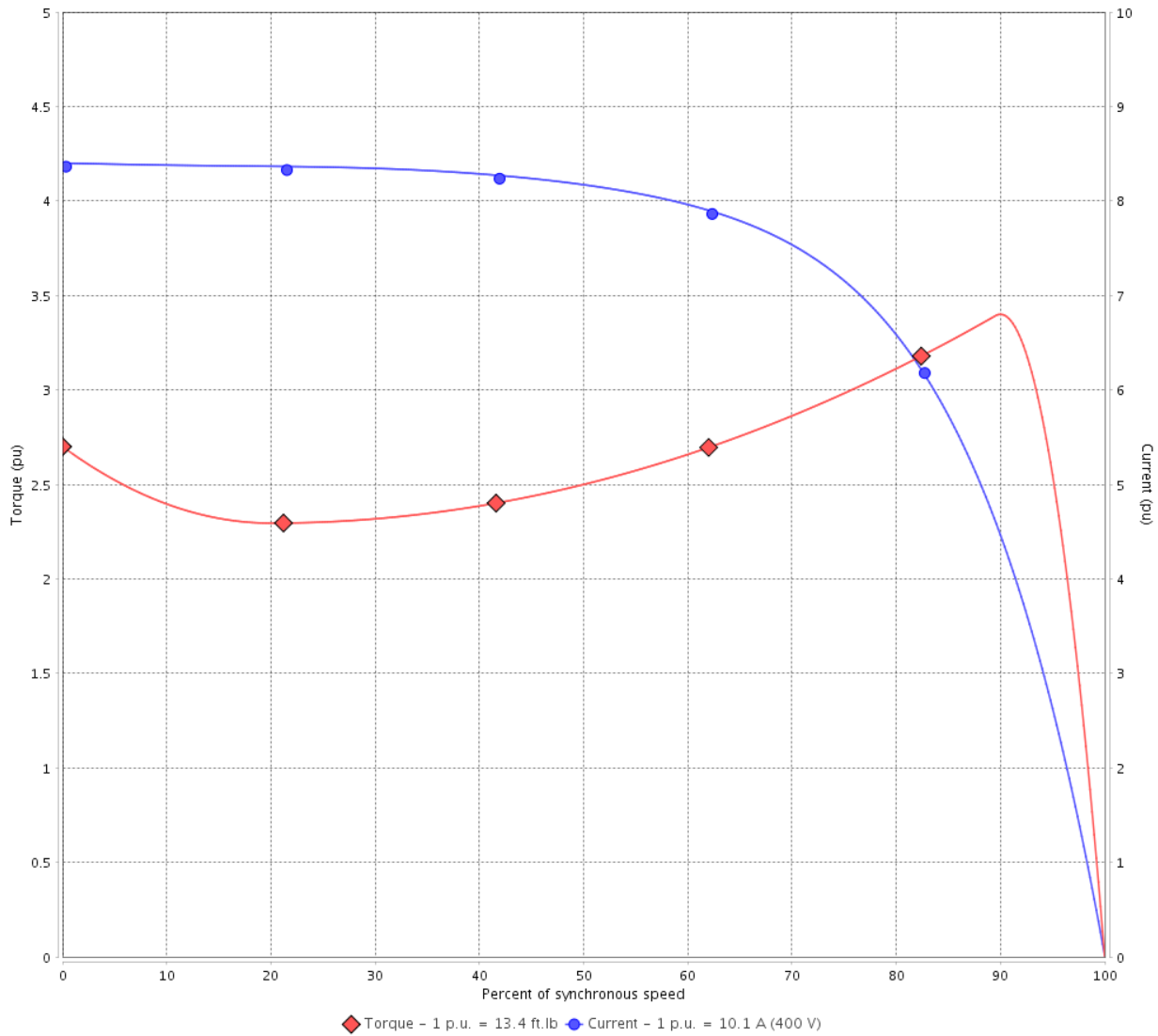
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 400 V 50 Hz 2P IE3

Rated current	: 10.1 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
LRC	: 8.4	Duty cycle	: Cont.(S1)
Rated torque	: 13.4 ft.lb	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.25
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 2935 rpm	Design	: B

Locked rotor time : 32s (cold) 18s (hot)

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TORQUE AND CURRENT VS SPEED CURVE



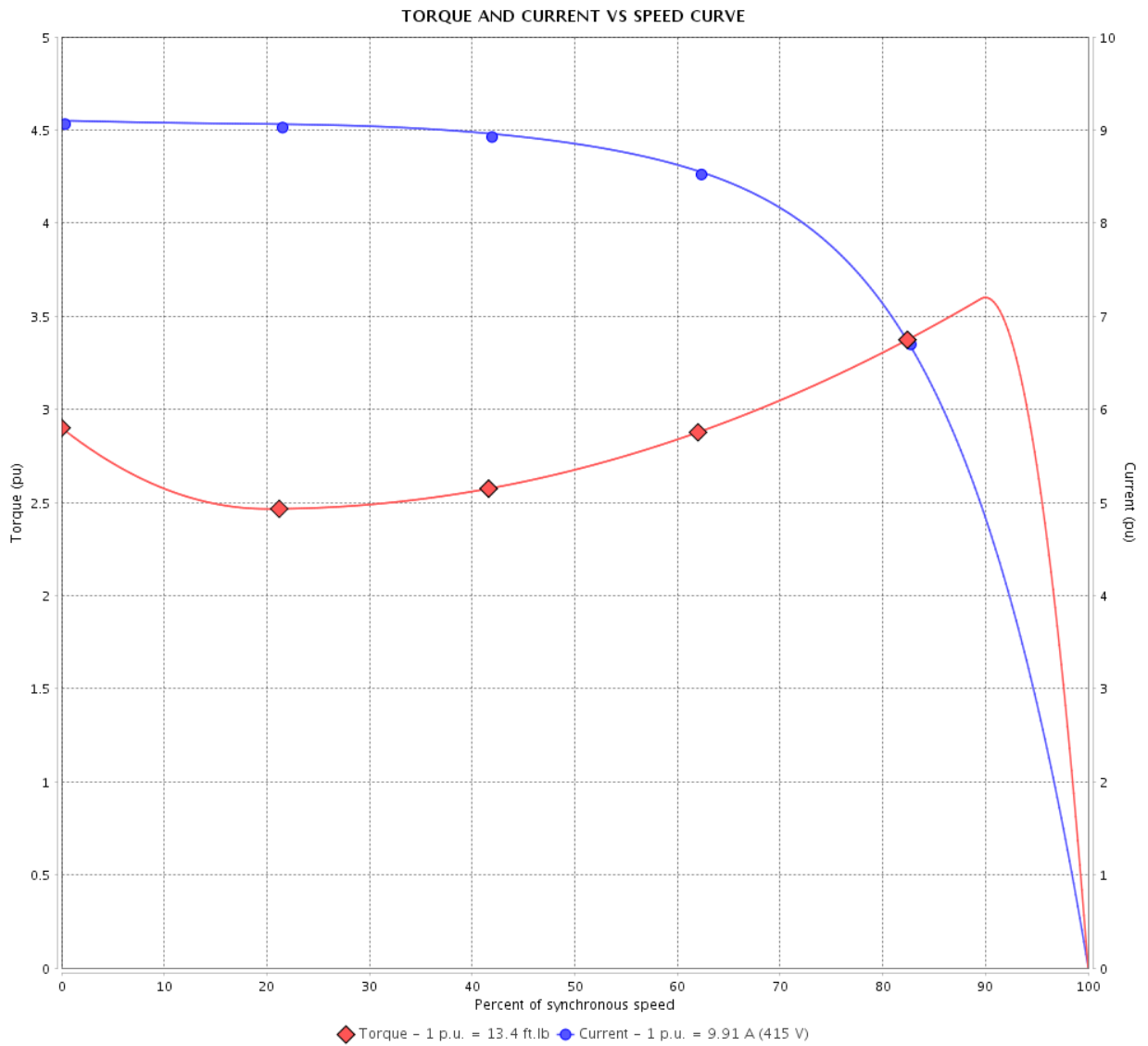
Three Phase Induction Motor - Squirrel Cage

Customer :

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Product code : 12821762

Catalog # : 01036ET3ER215TC-W22



Performance : 415 V 50 Hz 2P IE3

Rated current : 9.91 A
 LRC : 9.1
 Rated torque : 13.4 ft.lb
 Locked rotor torque : 290 %
 Breakdown torque : 360 %
 Rated speed : 2940 rpm

Moment of inertia (J) : 0.6362 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

Locked rotor time : 32s (cold) 18s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



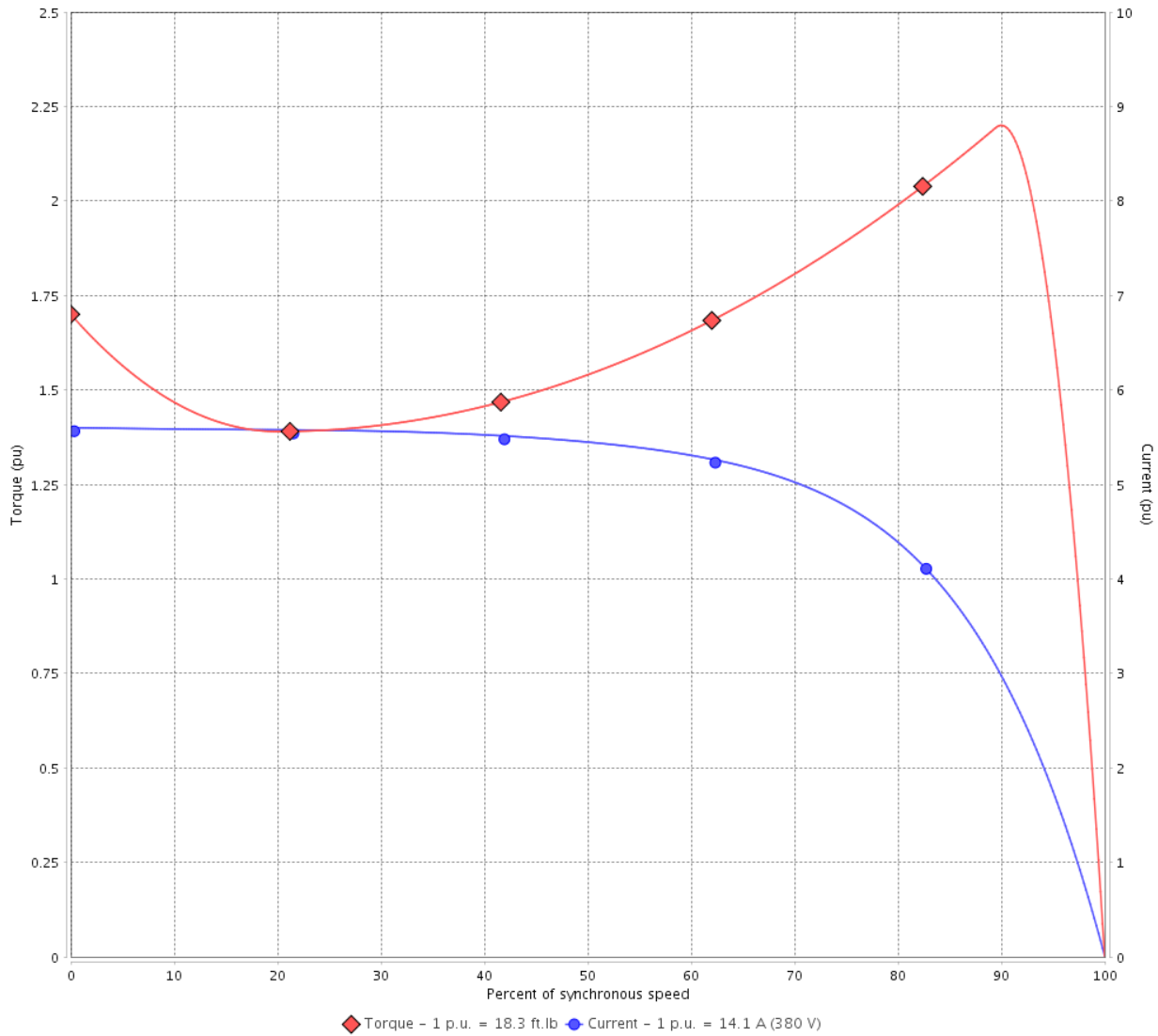
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Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 380 V 50 Hz 2P IE2

Rated current	: 14.1 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
LRC	: 5.6	Duty cycle	: Cont.(S1)
Rated torque	: 18.3 ft.lb	Insulation class	: F
Locked rotor torque	: 170 %	Service factor	: 1.00
Breakdown torque	: 220 %	Temperature rise	: 105 K
Rated speed	: 2870 rpm	Design	: B

Locked rotor time : 32s (cold) 18s (hot)

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TORQUE AND CURRENT VS SPEED CURVE



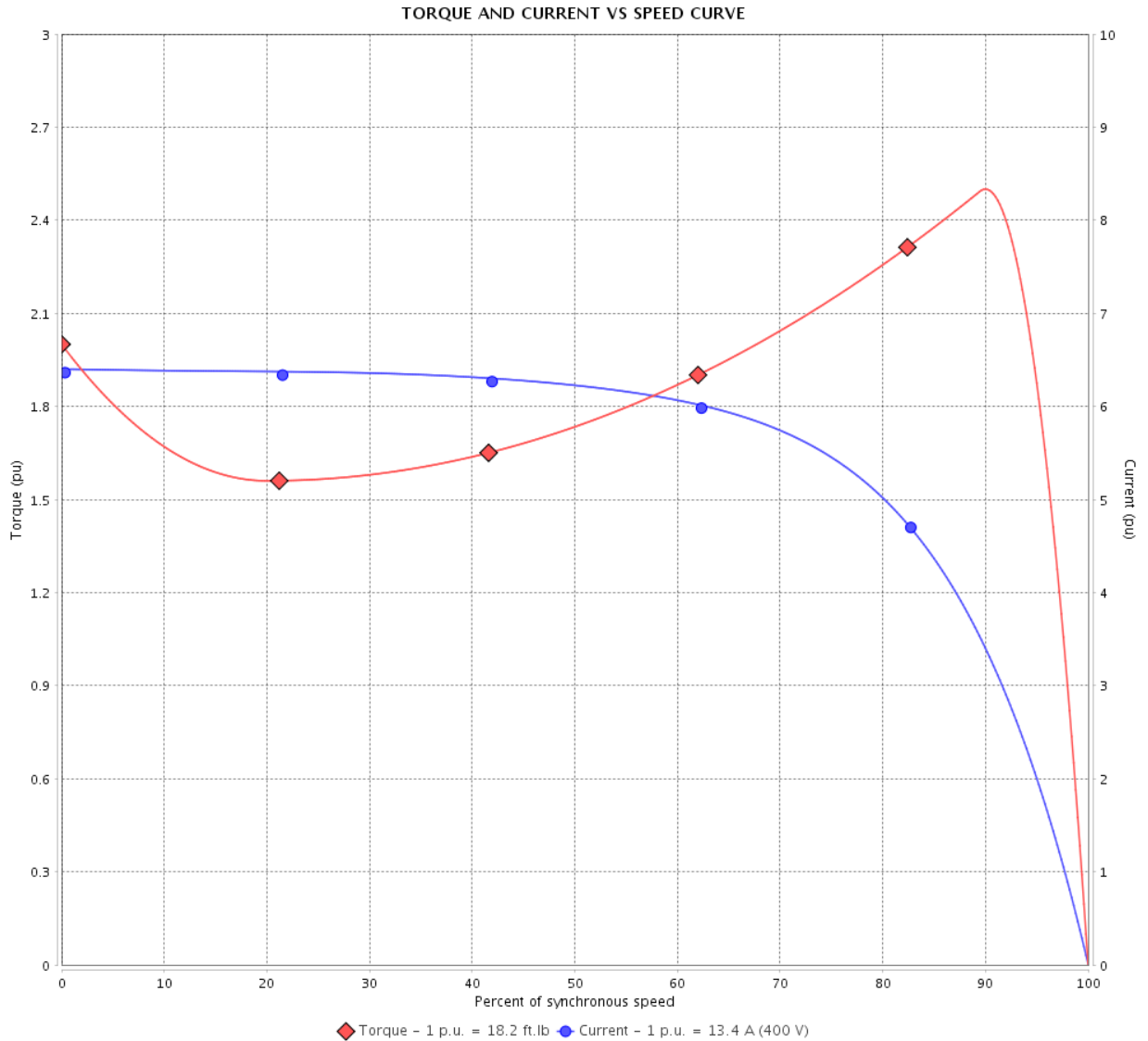
Three Phase Induction Motor - Squirrel Cage

Customer :

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Product code : 12821762

Catalog # : 01036ET3ER215TC-W22



Performance : 400 V 50 Hz 2P IE2

Rated current	: 13.4 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 18.2 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 105 K
Rated speed	: 2890 rpm	Design	: B

Locked rotor time : 32s (cold) 18s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



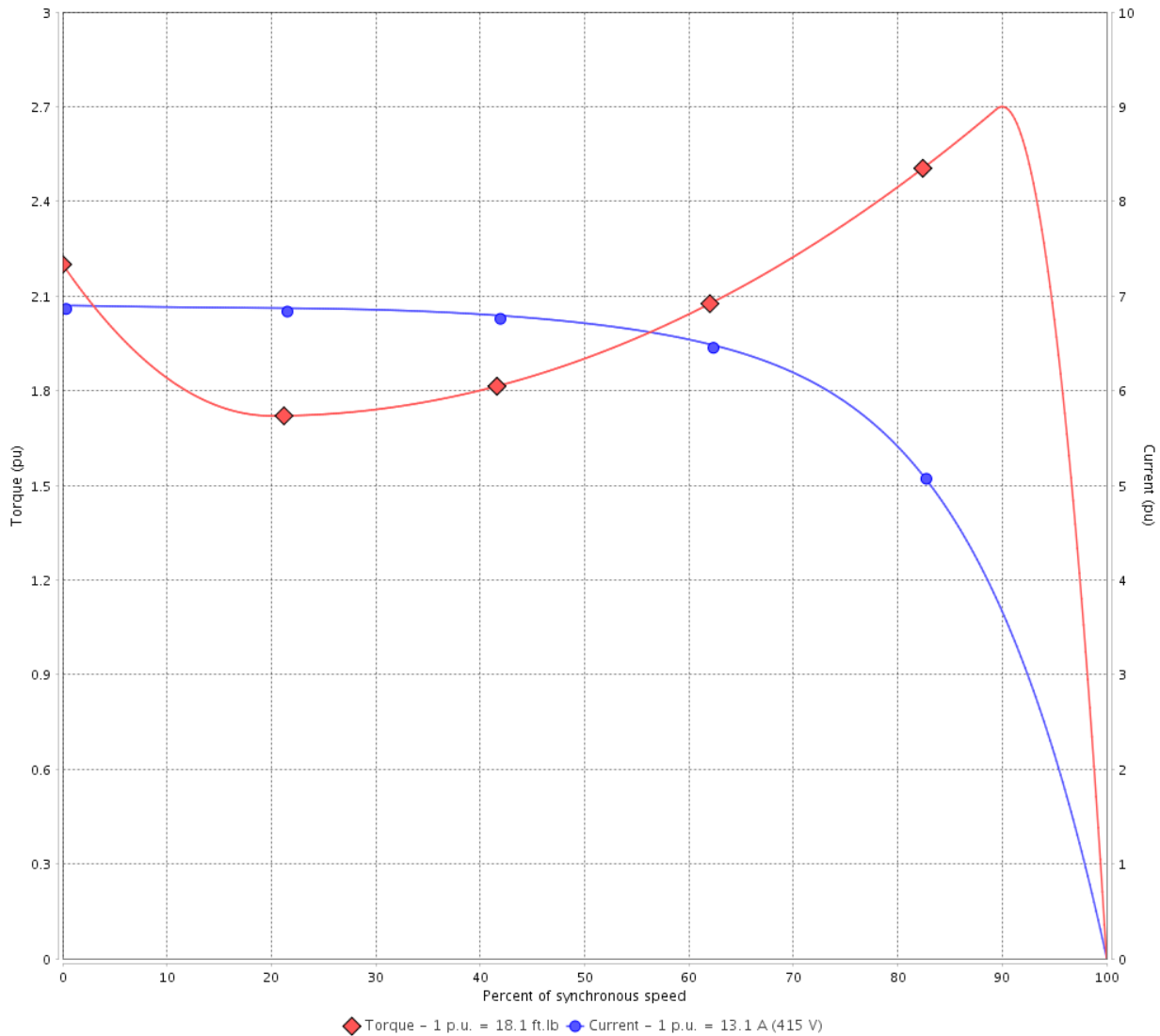
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 415 V 50 Hz 2P IE2

Rated current	: 13.1 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
LRC	: 6.9	Duty cycle	: Cont.(S1)
Rated torque	: 18.1 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 270 %	Temperature rise	: 105 K
Rated speed	: 2900 rpm	Design	: B

Locked rotor time : 32s (cold) 18s (hot)

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Three Phase Induction Motor - Squirrel Cage

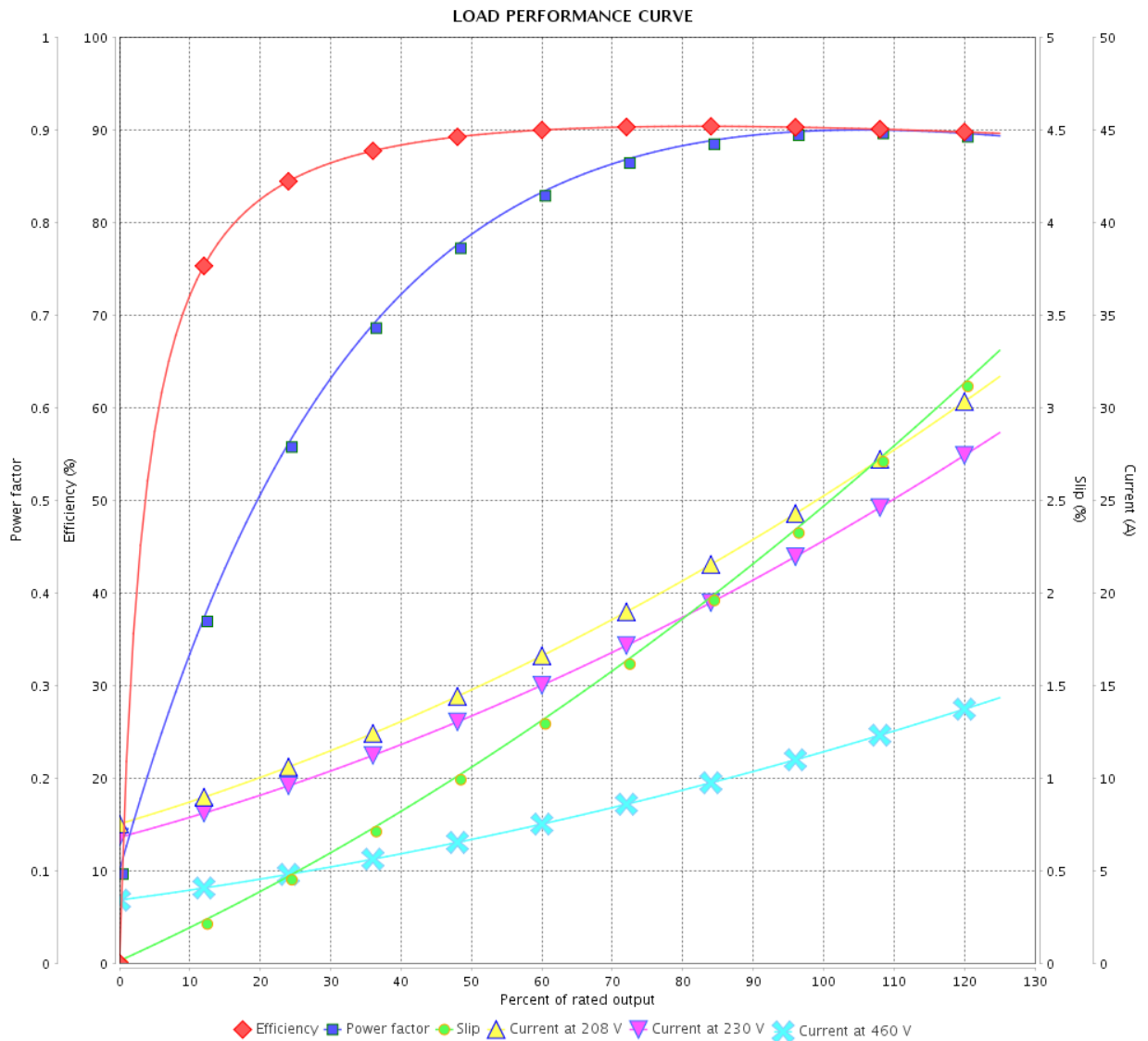


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22



Performance : 230/460 V 60 Hz 2P

Rated current : 23.2/11.6 A
 LRC : 7.2
 Rated torque : 15.0 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 290 %
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.6362 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

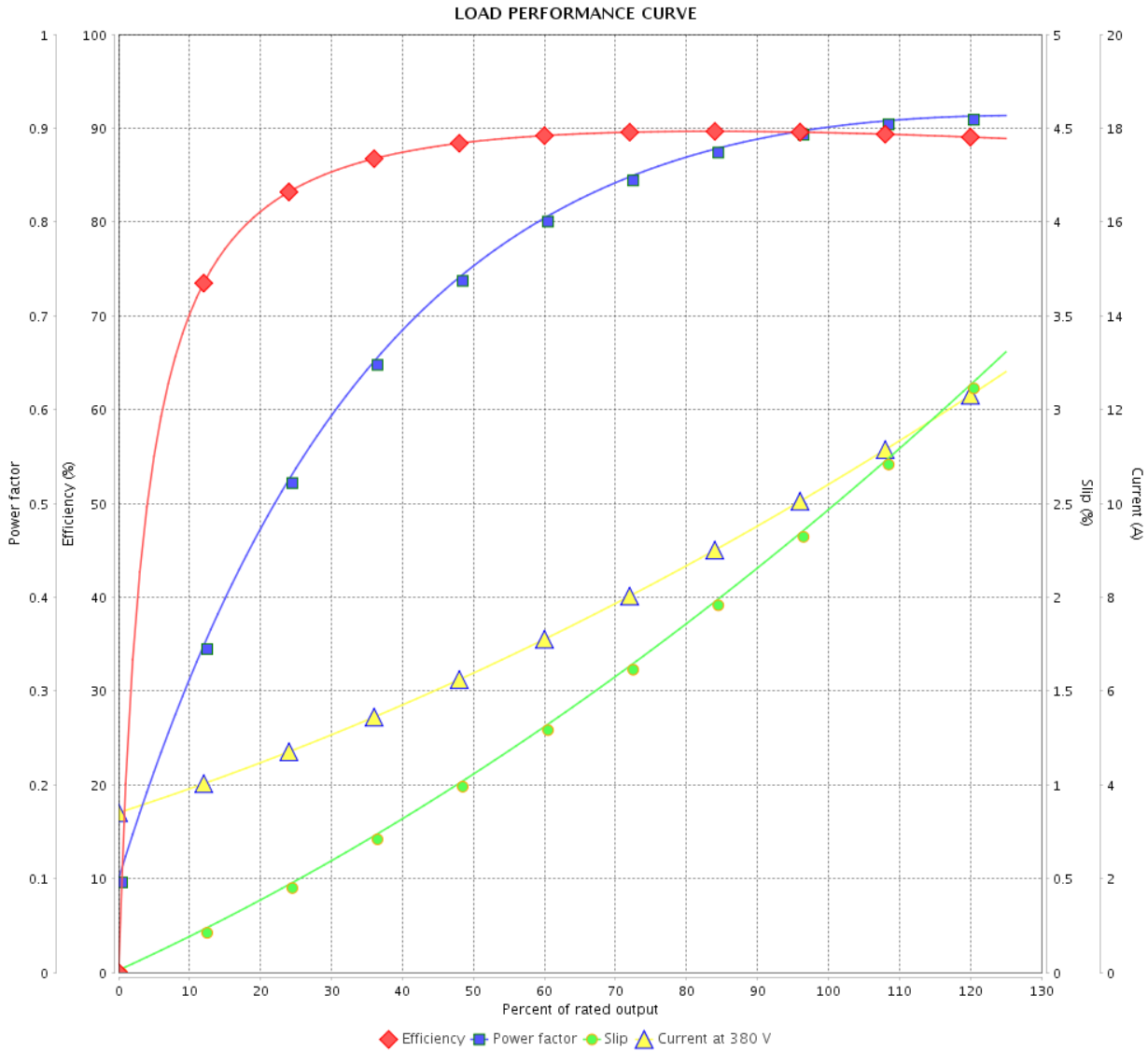


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22



Performance : 380 V 50 Hz 2P IE3

Rated current : 10.4 A
 LRC : 7.4
 Rated torque : 13.5 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Rated speed : 2925 rpm

Moment of inertia (J) : 0.6362 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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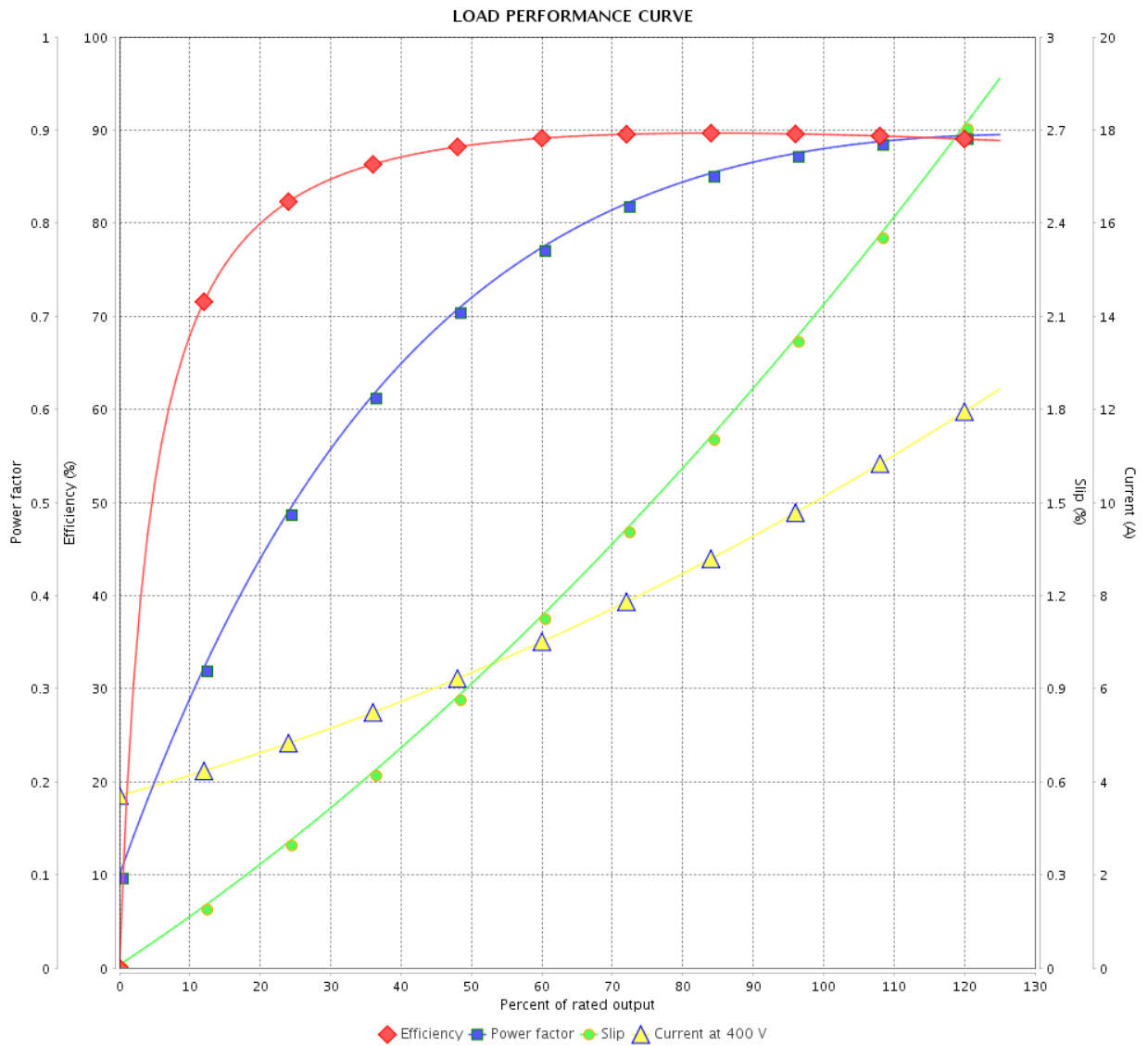


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22



Performance : 400 V 50 Hz 2P IE3

Rated current : 10.1 A
 LRC : 8.4
 Rated torque : 13.4 ft.lb
 Locked rotor torque : 270 %
 Breakdown torque : 340 %
 Rated speed : 2935 rpm

Moment of inertia (J) : 0.6362 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



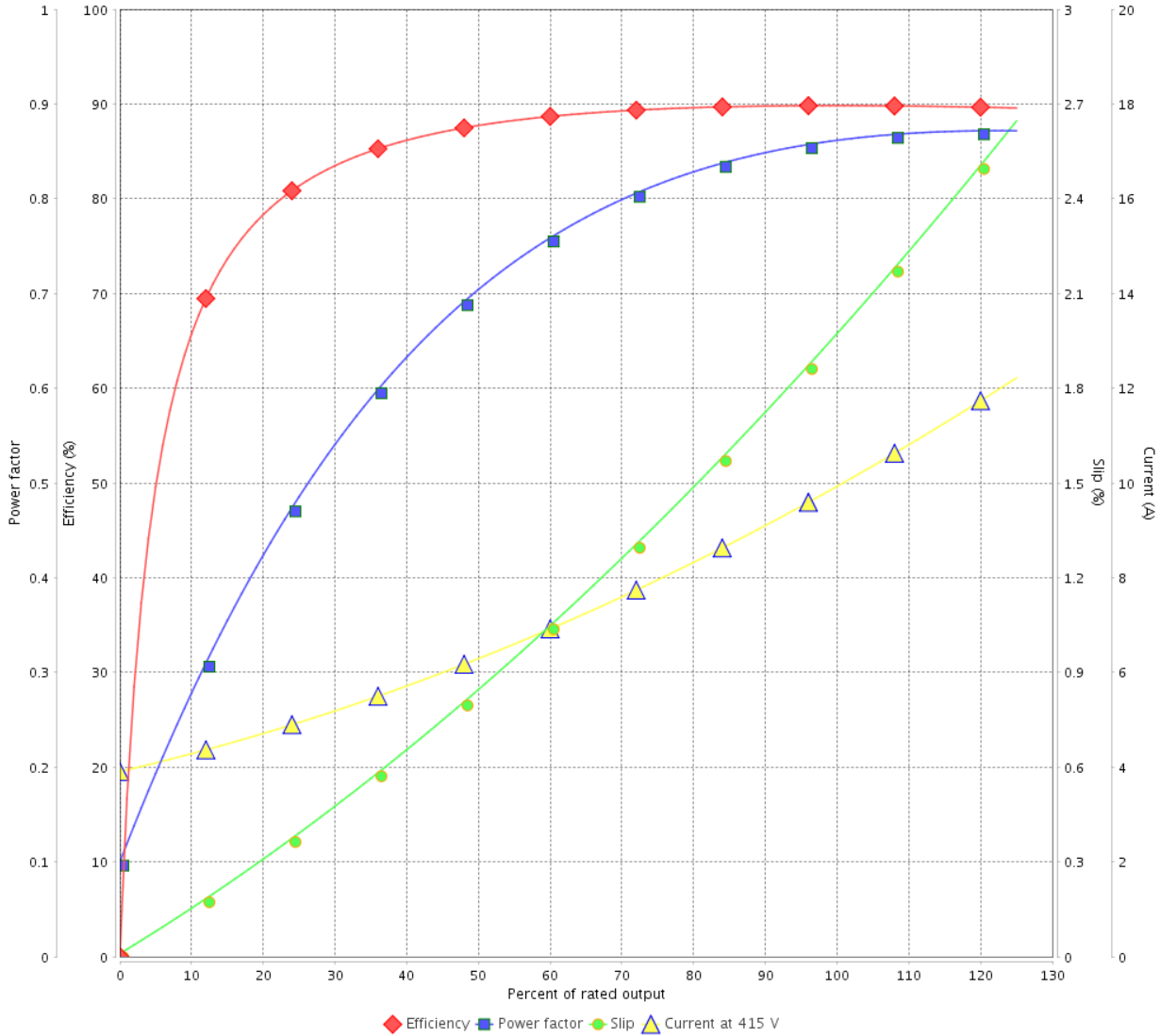
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

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Performance : 415 V 50 Hz 2P IE3

Rated current : 9.91 A
 LRC : 9.1
 Rated torque : 13.4 ft.lb
 Locked rotor torque : 290 %
 Breakdown torque : 360 %
 Rated speed : 2940 rpm

Moment of inertia (J) : 0.6362 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

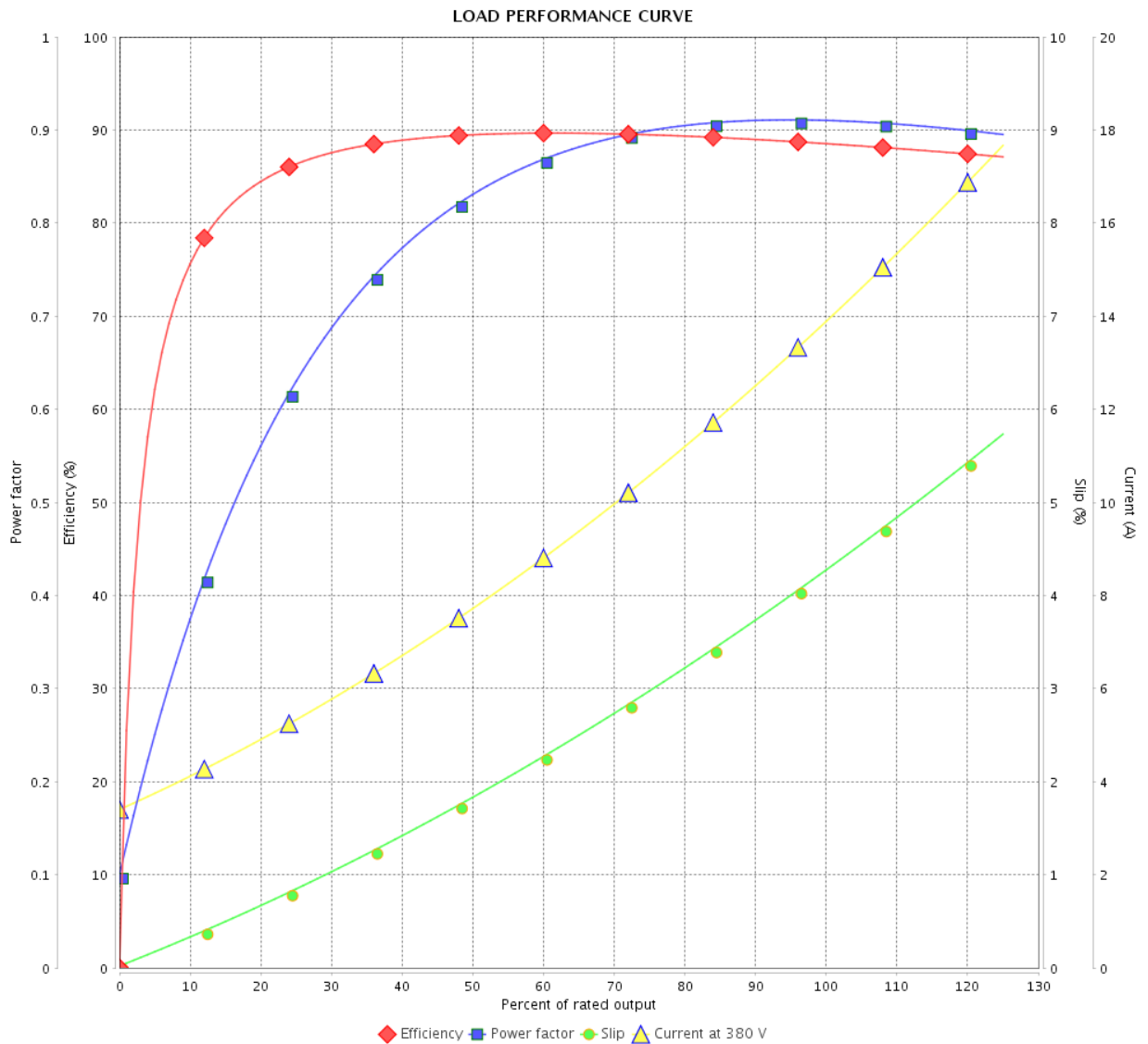


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22



Performance : 380 V 50 Hz 2P IE2

Rated current : 14.1 A
 LRC : 5.6
 Rated torque : 18.3 ft.lb
 Locked rotor torque : 170 %
 Breakdown torque : 220 %
 Rated speed : 2870 rpm

Moment of inertia (J) : 0.6362 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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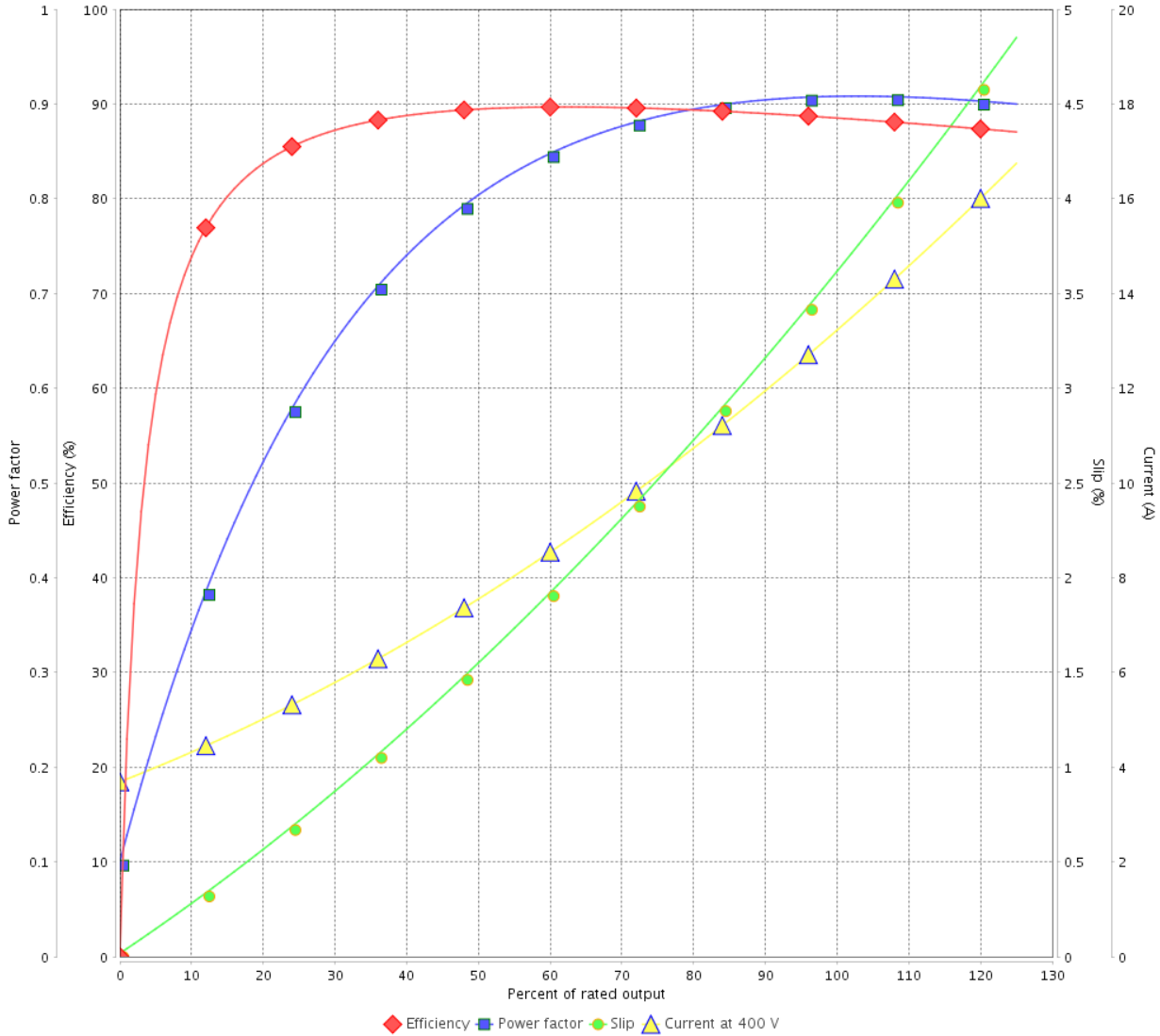
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22

LOAD PERFORMANCE CURVE



Performance : 400 V 50 Hz 2P IE2

Rated current : 13.4 A
 LRC : 6.4
 Rated torque : 18.2 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 250 %
 Rated speed : 2890 rpm

Moment of inertia (J) : 0.6362 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

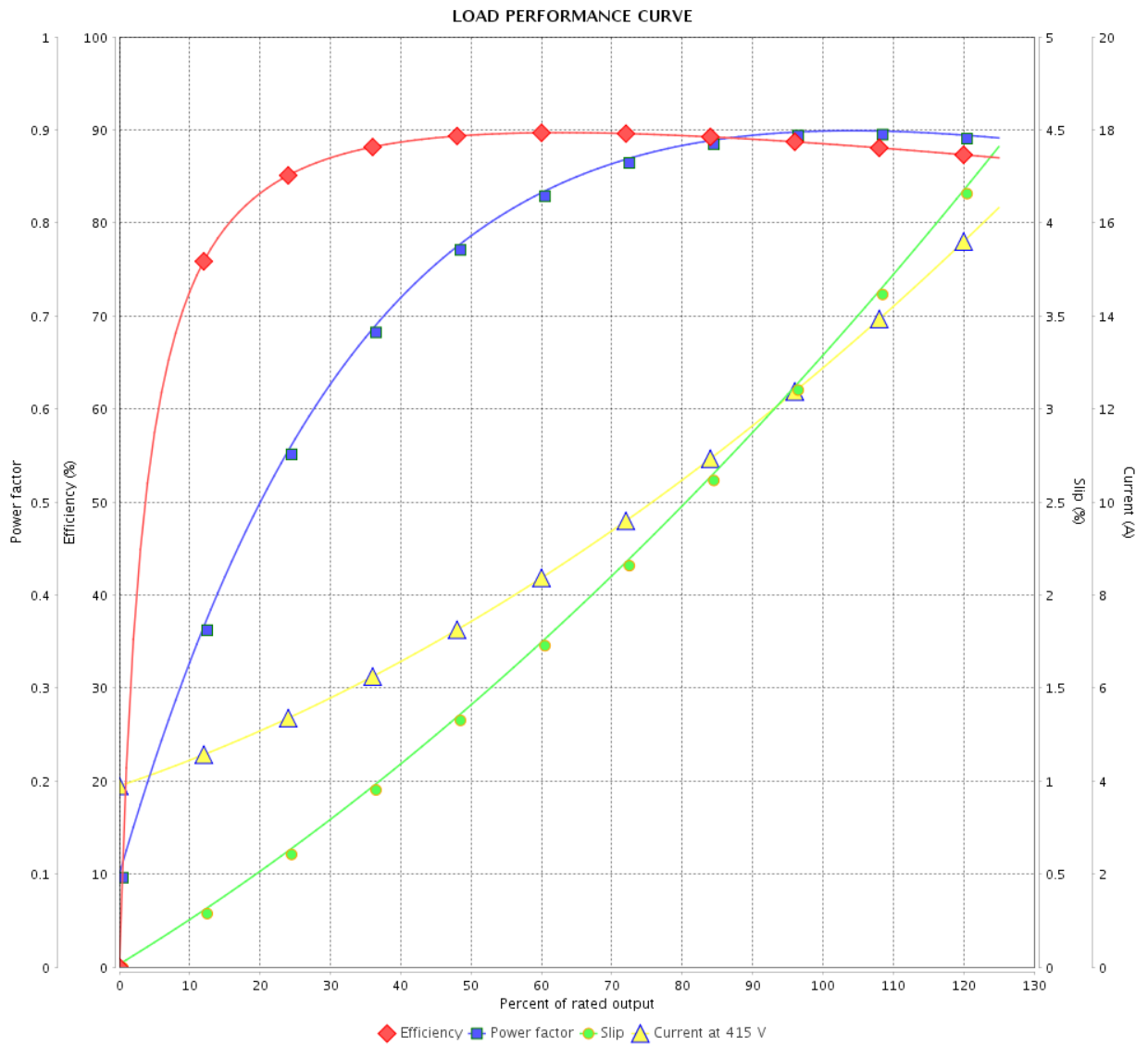


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22



Performance : 415 V 50 Hz 2P IE2

Rated current : 13.1 A
 LRC : 6.9
 Rated torque : 18.1 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 270 %
 Rated speed : 2900 rpm

Moment of inertia (J) : 0.6362 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 : 12821762
Catalog # : 01036ET3ER215TC-W22

Performance : 230/460 V 60 Hz 2P

Rated current	: 23.2/11.6 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 15.0 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: B

Heating constant

Cooling constant

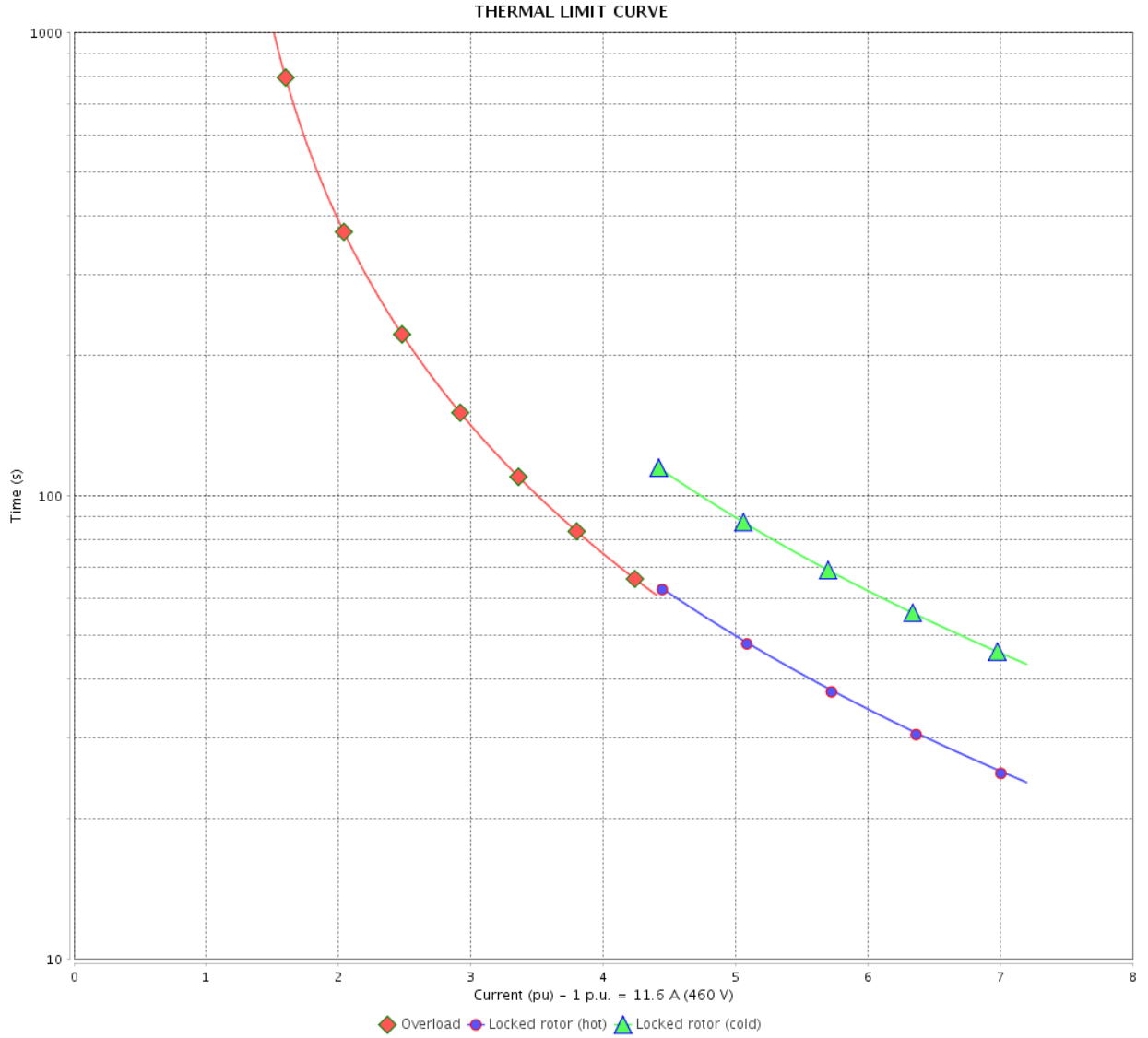
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Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 12821762
 Catalog # : 01036ET3ER215TC-W22

Performance : 380 V 50 Hz 2P IE3

Rated current : 10.4 A	Moment of inertia (J) : 0.6362 sq.ft.lb
LRC : 7.4	Duty cycle : Cont.(S1)
Rated torque : 13.5 ft.lb	Insulation class : F
Locked rotor torque : 240 %	Service factor : 1.25
Breakdown torque : 300 %	Temperature rise : 80 K
Rated speed : 2925 rpm	Design : B

Heating constant

Cooling constant

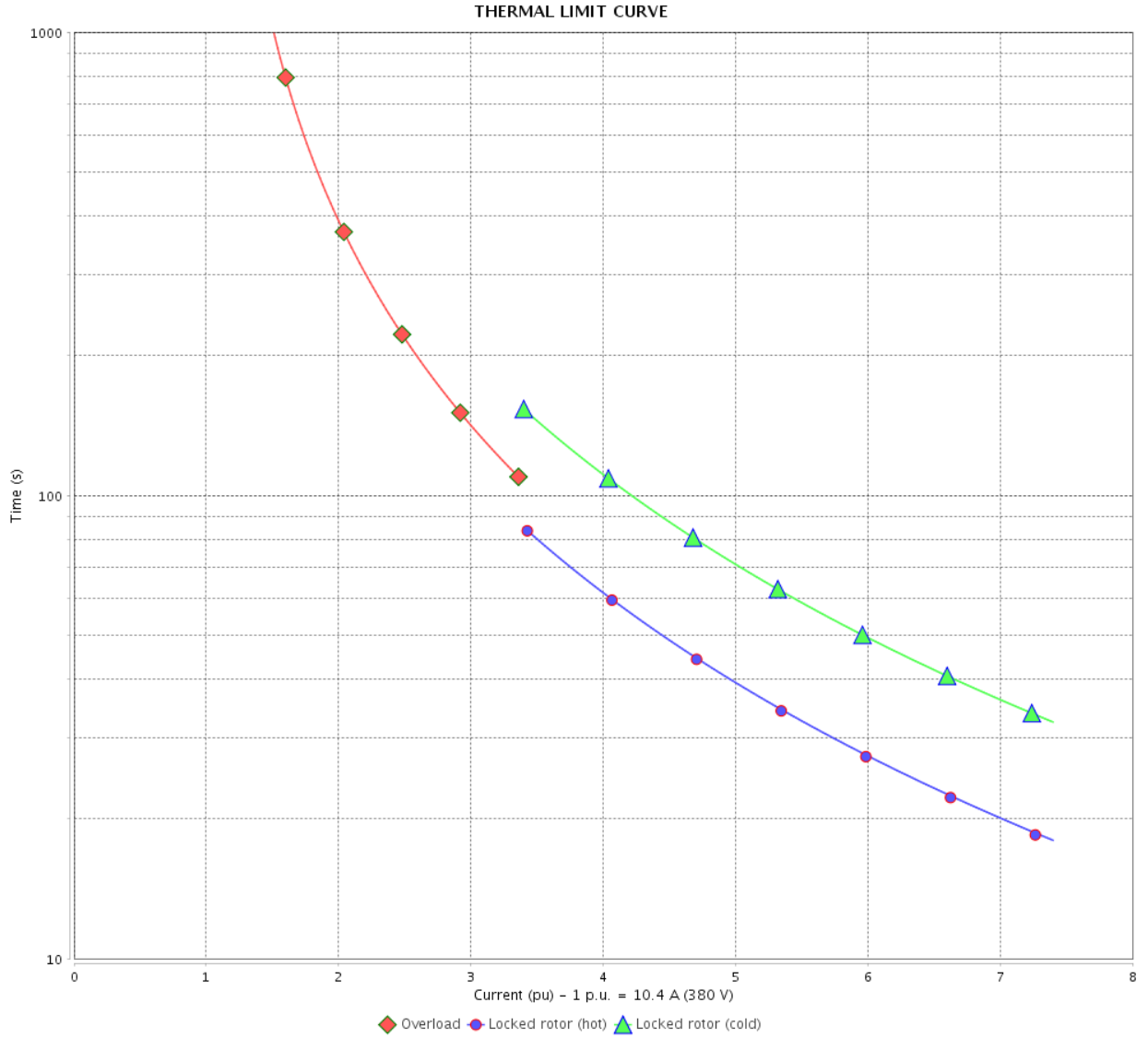
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Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Three Phase Induction Motor - Squirrel Cage

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 Catalog # : 01036ET3ER215TC-W22

Performance : 400 V 50 Hz 2P IE3

Rated current : 10.1 A	Moment of inertia (J) : 0.6362 sq.ft.lb
LRC : 8.4	Duty cycle : Cont.(S1)
Rated torque : 13.4 ft.lb	Insulation class : F
Locked rotor torque : 270 %	Service factor : 1.25
Breakdown torque : 340 %	Temperature rise : 80 K
Rated speed : 2935 rpm	Design : B

Heating constant

Cooling constant

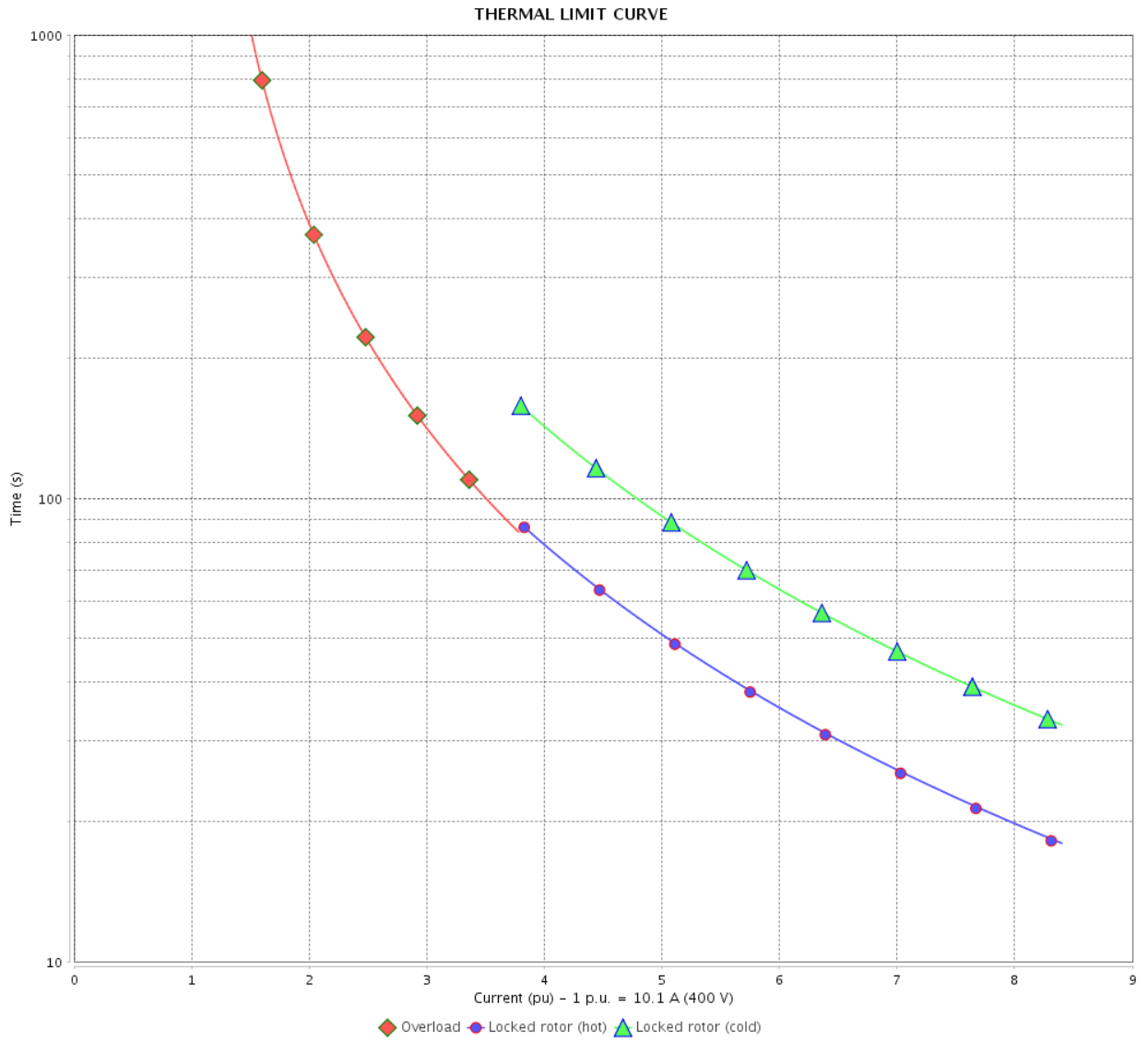
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THERMAL LIMIT CURVE

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Performance : 415 V 50 Hz 2P IE3

Rated current	: 9.91 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
LRC	: 9.1	Duty cycle	: Cont.(S1)
Rated torque	: 13.4 ft.lb	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.25
Breakdown torque	: 360 %	Temperature rise	: 80 K
Rated speed	: 2940 rpm	Design	: B

Heating constant

Cooling constant

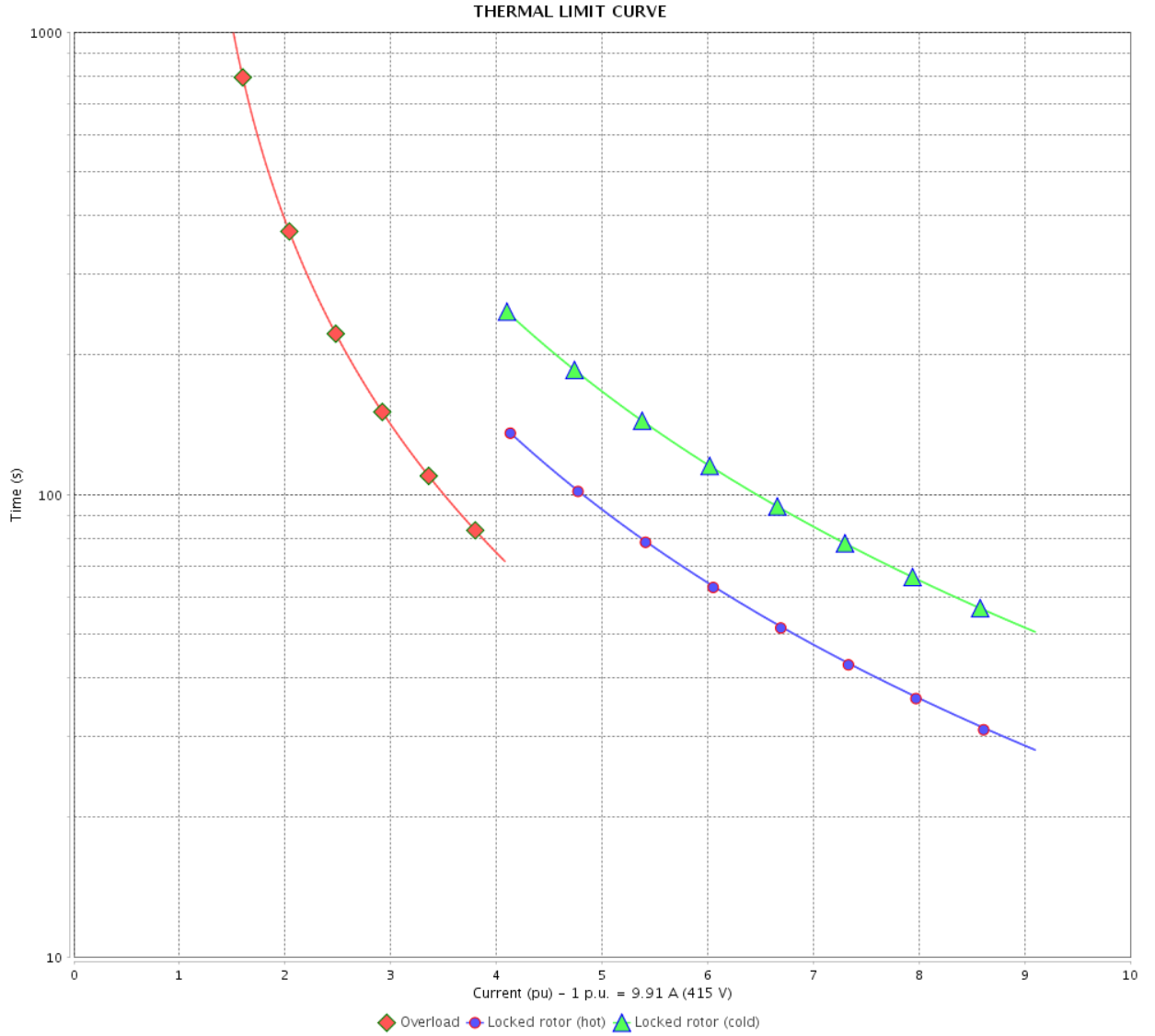
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Customer : _____



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Performance : 380 V 50 Hz 2P IE2

Rated current : 14.1 A	Moment of inertia (J) : 0.6362 sq.ft.lb
LRC : 5.6	Duty cycle : Cont.(S1)
Rated torque : 18.3 ft.lb	Insulation class : F
Locked rotor torque : 170 %	Service factor : 1.00
Breakdown torque : 220 %	Temperature rise : 105 K
Rated speed : 2870 rpm	Design : B

Heating constant

Cooling constant

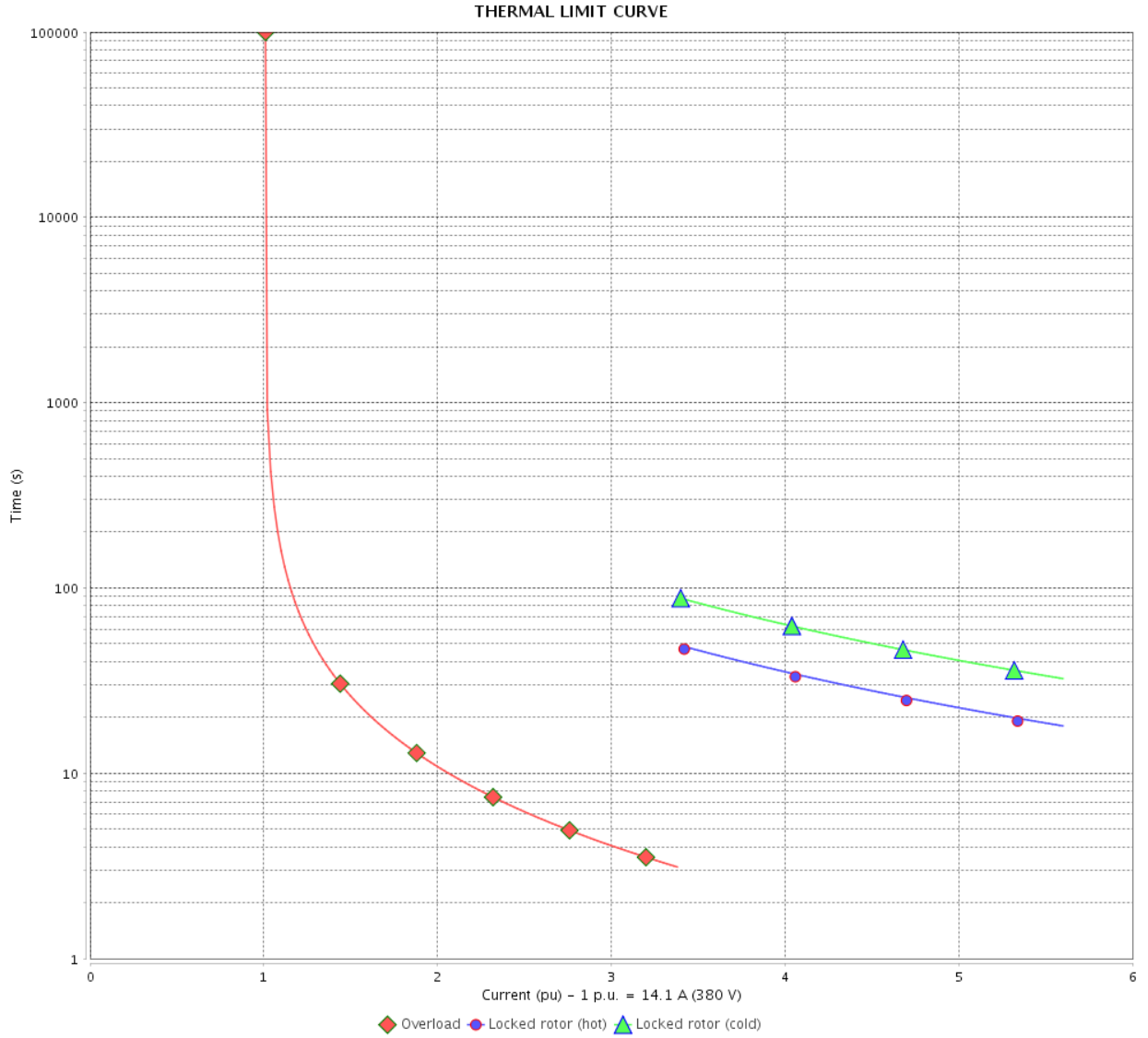
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Customer :

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Product code : 12821762
Catalog # : 01036ET3ER215TC-W22

Performance : 400 V 50 Hz 2P IE2

Rated current	: 13.4 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 18.2 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 105 K
Rated speed	: 2890 rpm	Design	: B

Heating constant

Cooling constant

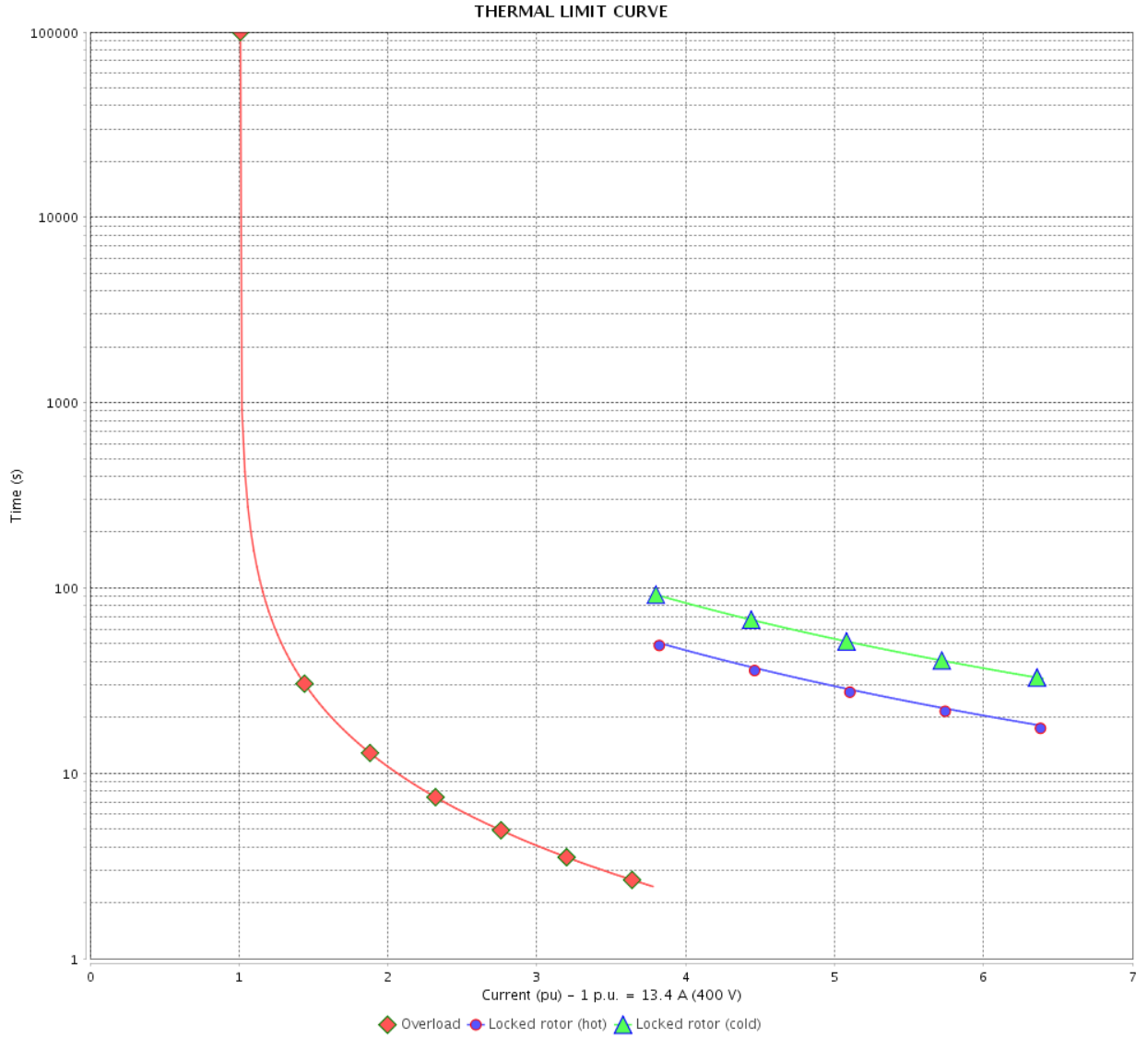
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	12/04/2022		26 / 36	

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 : 12821762
 Catalog # : 01036ET3ER215TC-W22

Performance : 415 V 50 Hz 2P IE2

Rated current : 13.1 A	Moment of inertia (J) : 0.6362 sq.ft.lb
LRC : 6.9	Duty cycle : Cont.(S1)
Rated torque : 18.1 ft.lb	Insulation class : F
Locked rotor torque : 220 %	Service factor : 1.00
Breakdown torque : 270 %	Temperature rise : 105 K
Rated speed : 2900 rpm	Design : B

Heating constant

Cooling constant

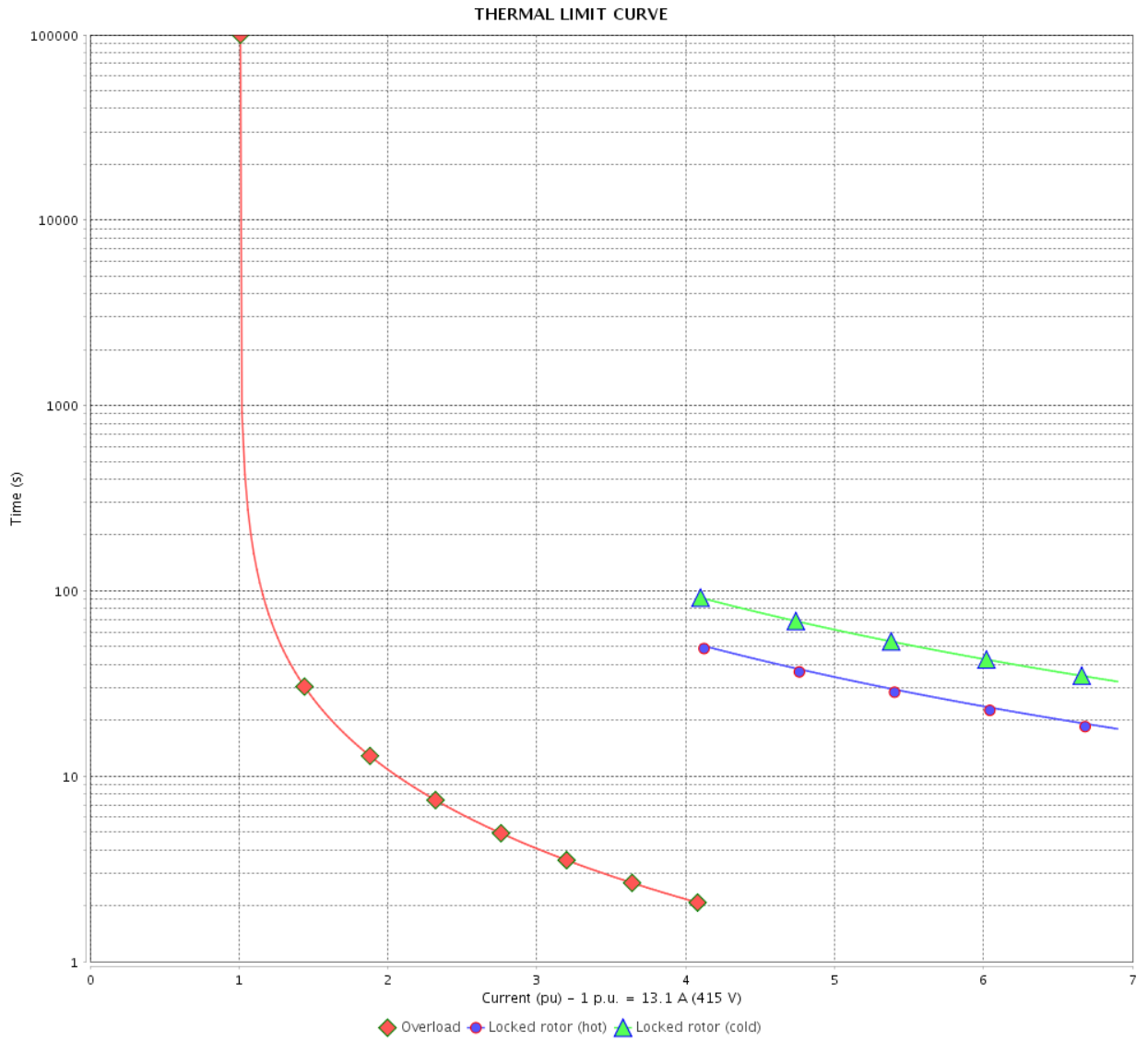
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Performed by			Page 28 / 36	Revision
Checked by				
Date	12/04/2022			

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 29 / 36		Revision
Checked by				
Date				

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



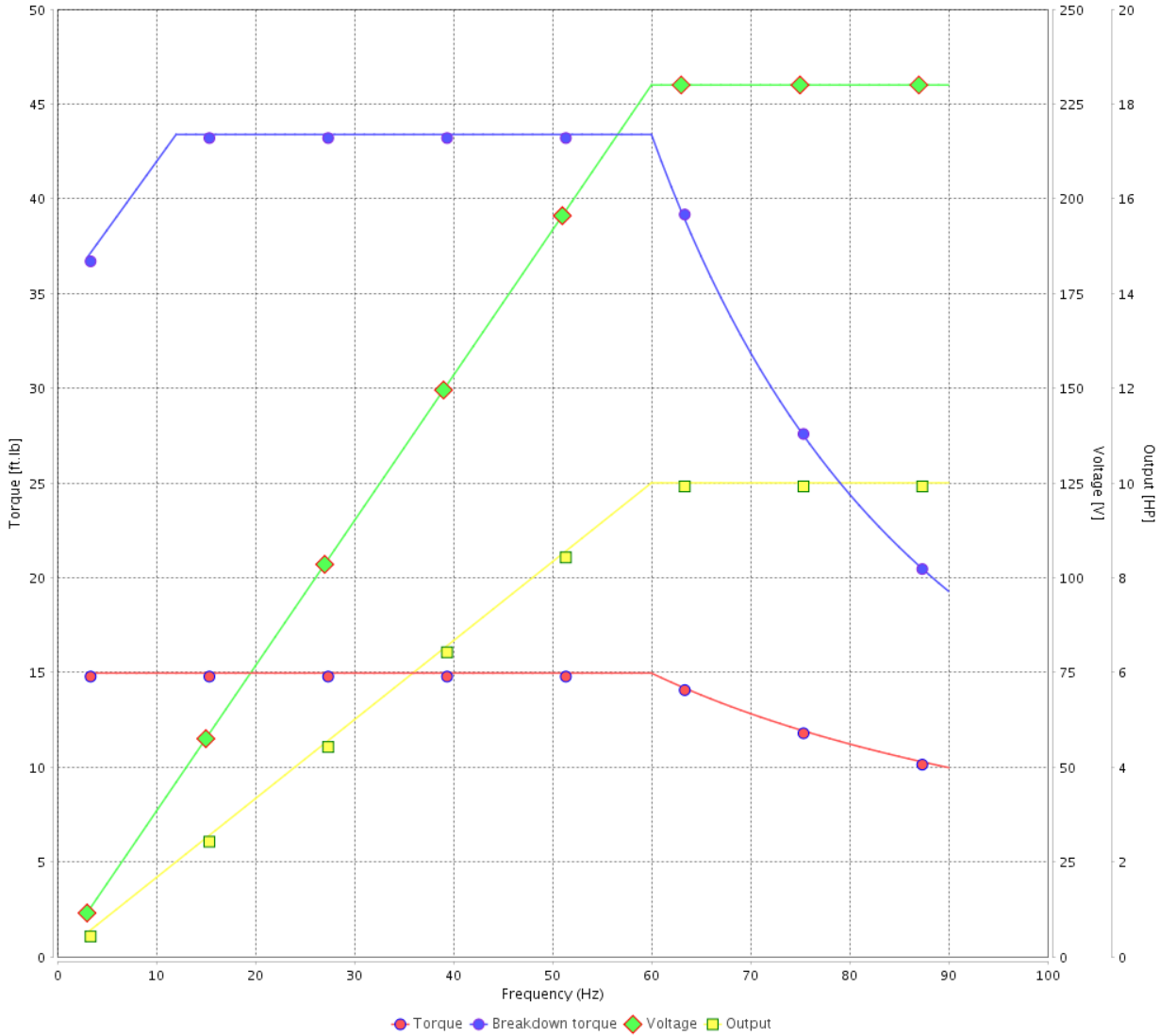
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22

VFD OPERATION CURVE



Performance : 230/460 V 60 Hz 2P

Rated current : 23.2/11.6 A
 LRC : 7.2
 Rated torque : 15.0 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 290 %
 Rated speed : 3510 rpm

Moment of inertia (J) : 0.6362 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

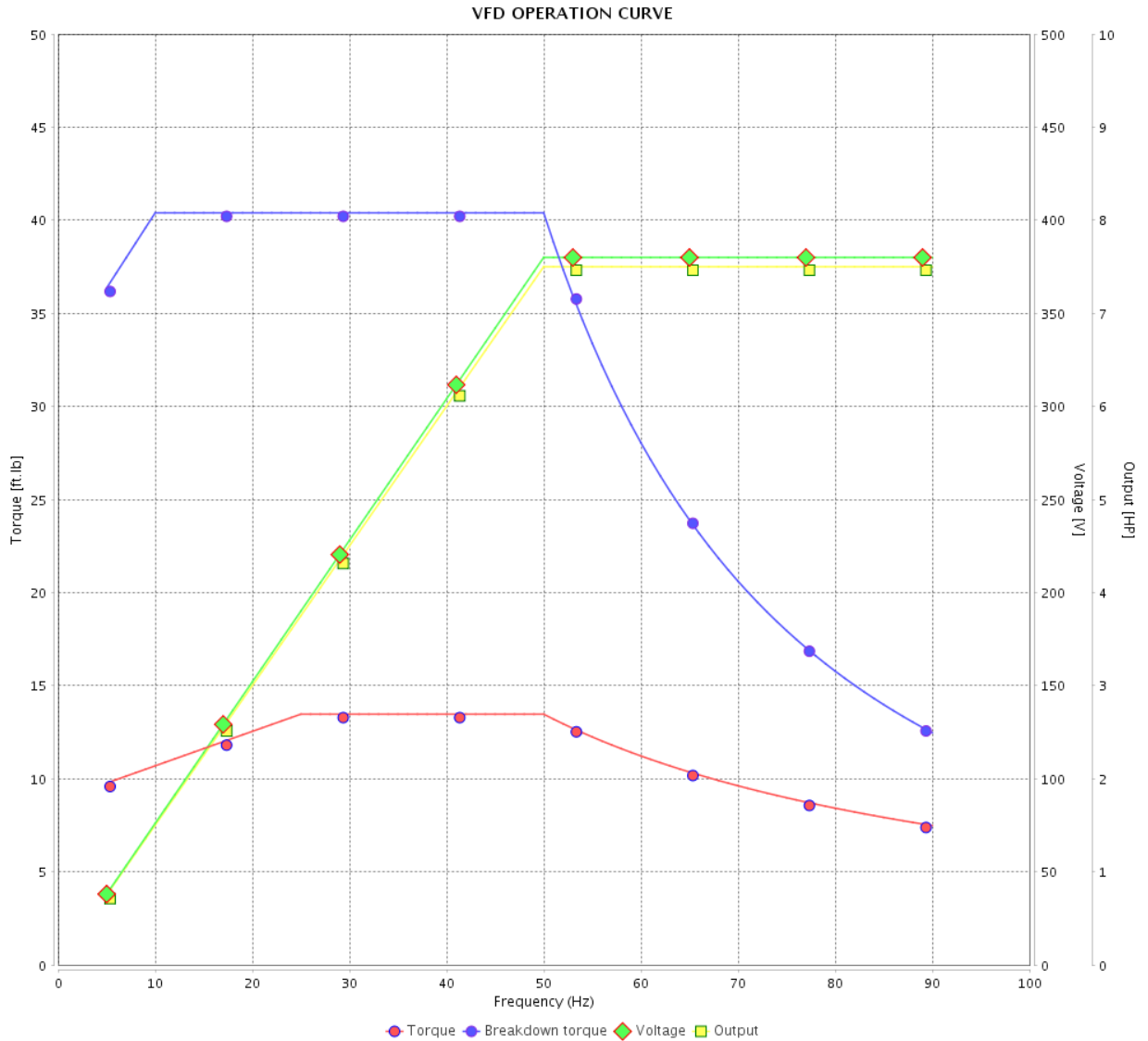


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22



Performance : 380 V 50 Hz 2P IE3

Rated current : 10.4 A
 LRC : 7.4
 Rated torque : 13.5 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Rated speed : 2925 rpm

Moment of inertia (J) : 0.6362 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		31 / 36		
Date		12/04/2022		

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



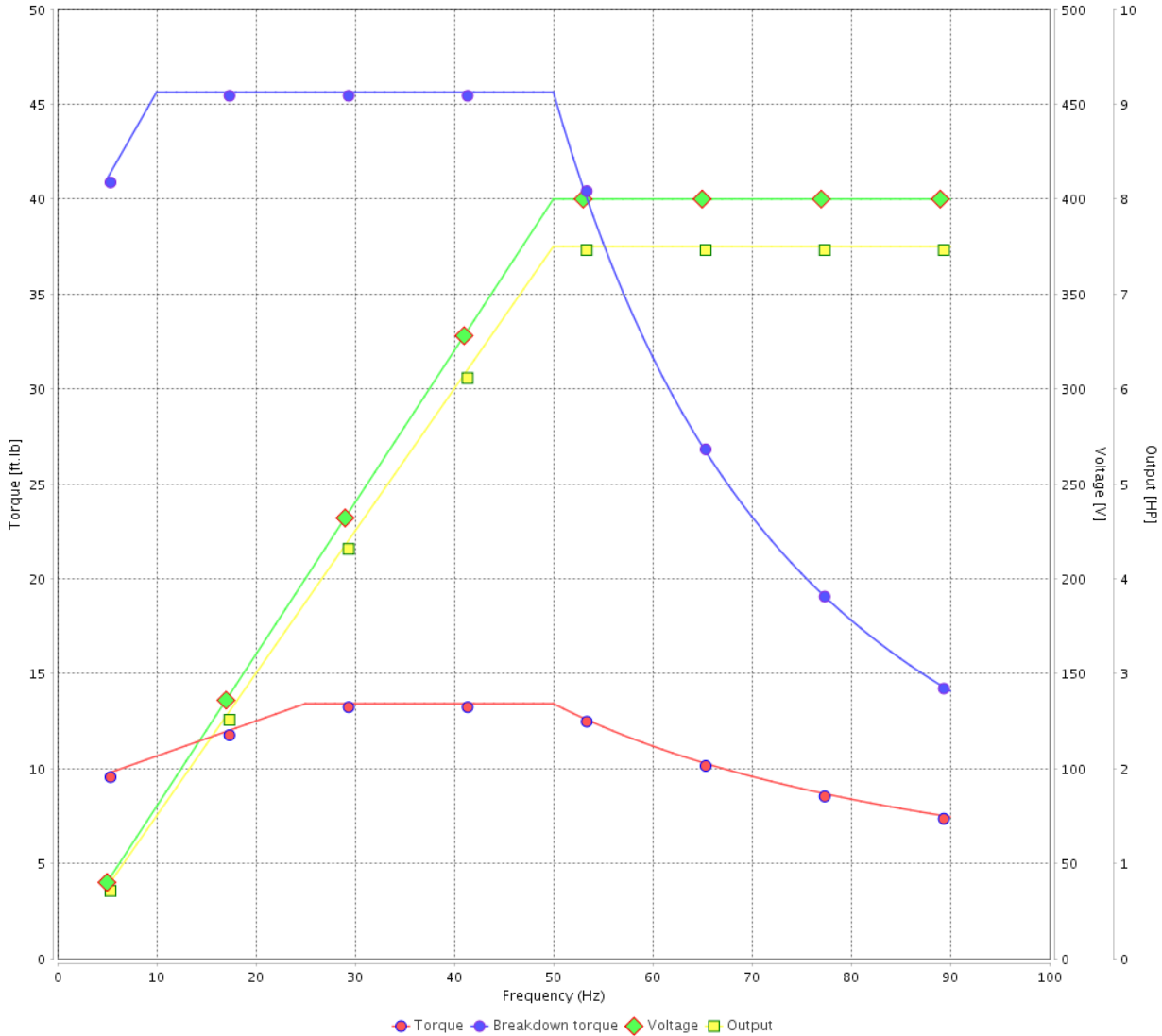
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22

VFD OPERATION CURVE



Performance : 400 V 50 Hz 2P IE3

Rated current : 10.1 A
 LRC : 8.4
 Rated torque : 13.4 ft.lb
 Locked rotor torque : 270 %
 Breakdown torque : 340 %
 Rated speed : 2935 rpm

Moment of inertia (J) : 0.6362 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			32 / 36	
Date	12/04/2022			

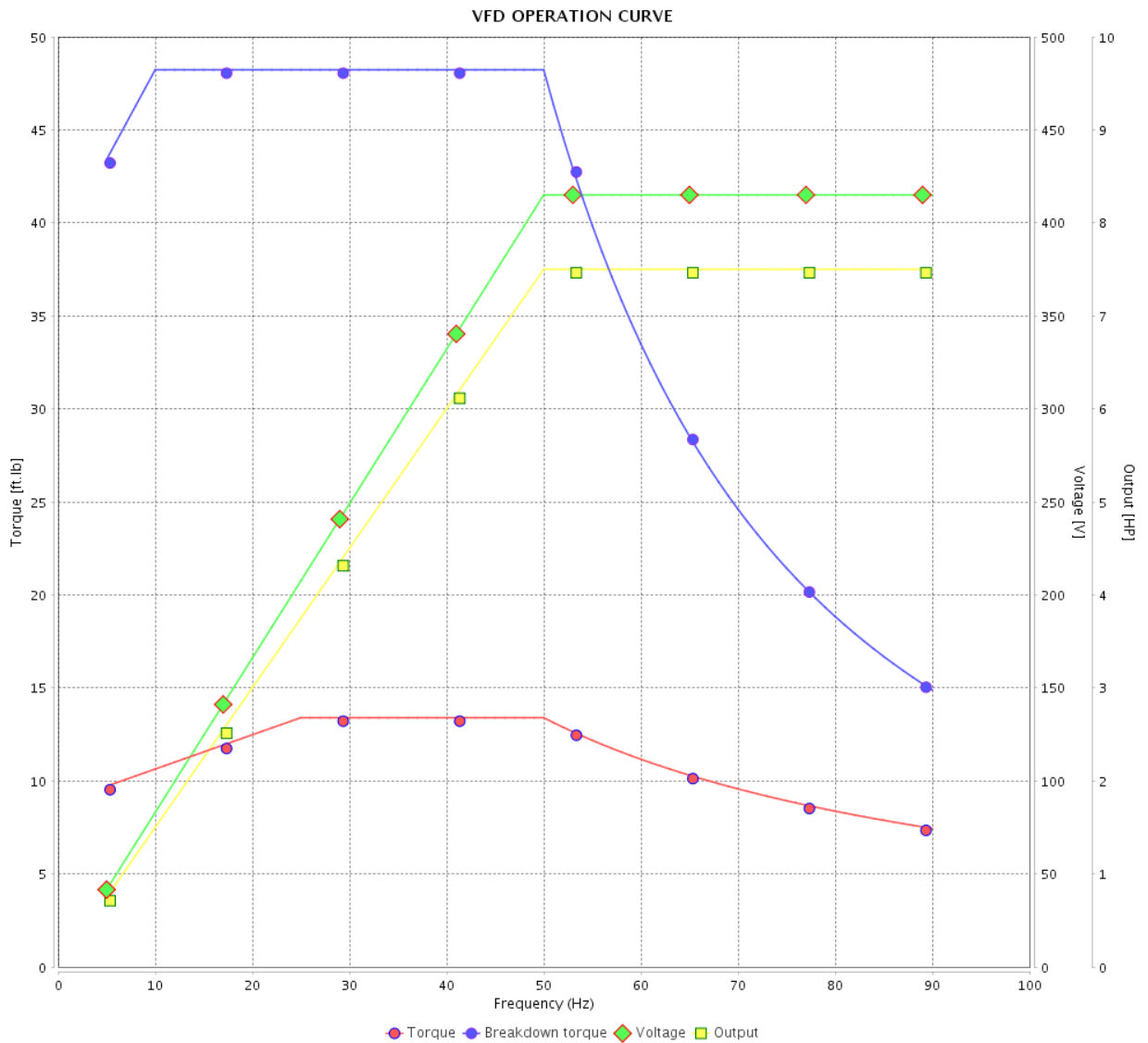
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 12821762
 Catalog # : 01036ET3ER215TC-W22



Performance : 415 V 50 Hz 2P IE3

Rated current	: 9.91 A	Moment of inertia (J)	: 0.6362 sq.ft.lb
LRC	: 9.1	Duty cycle	: Cont.(S1)
Rated torque	: 13.4 ft.lb	Insulation class	: F
Locked rotor torque	: 290 %	Service factor	: 1.25
Breakdown torque	: 360 %	Temperature rise	: 80 K
Rated speed	: 2940 rpm	Design	: B

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

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



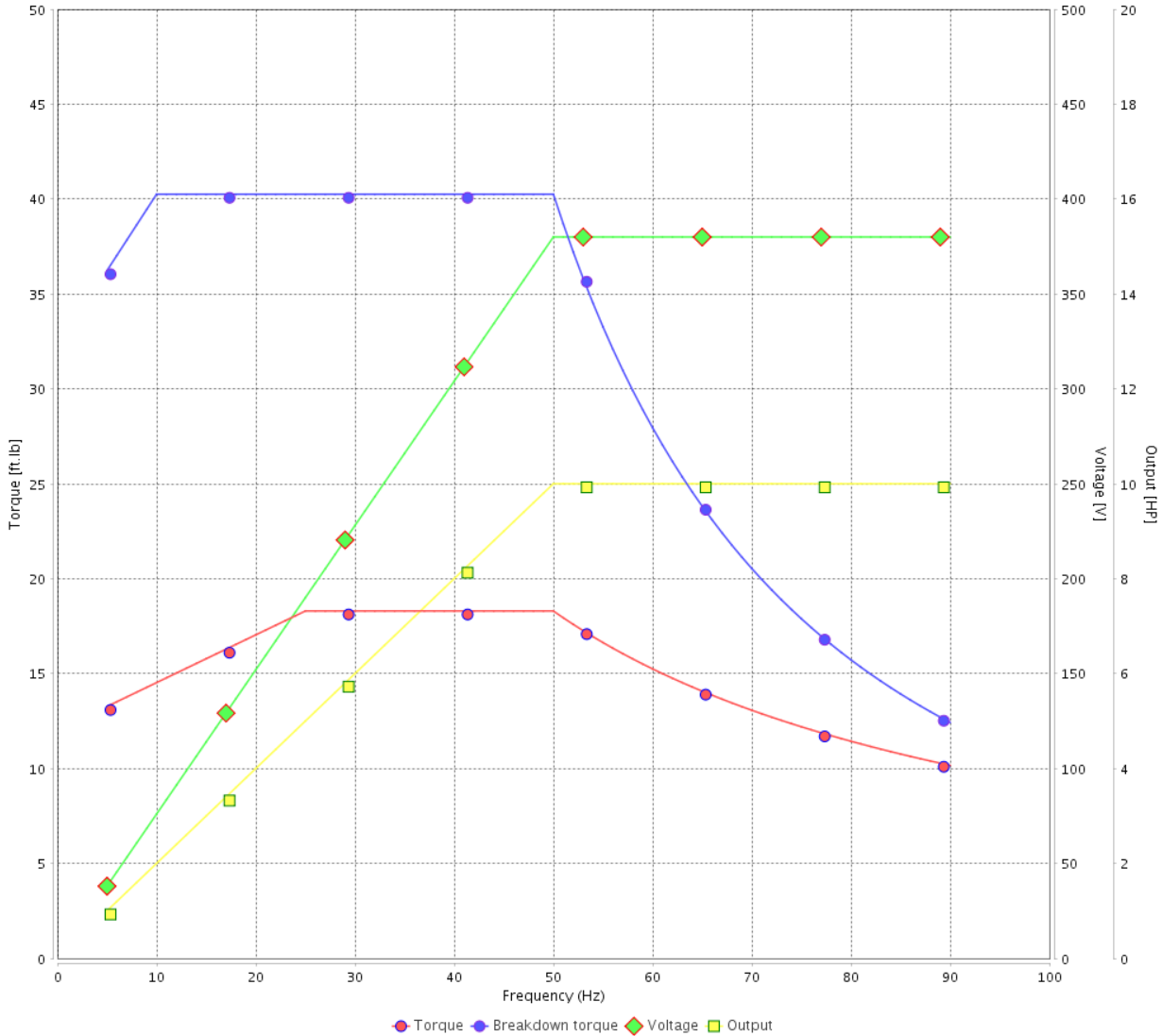
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22

VFD OPERATION CURVE



Performance : 380 V 50 Hz 2P IE2

Rated current : 14.1 A
 LRC : 5.6
 Rated torque : 18.3 ft.lb
 Locked rotor torque : 170 %
 Breakdown torque : 220 %
 Rated speed : 2870 rpm

Moment of inertia (J) : 0.6362 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
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Date	12/04/2022			

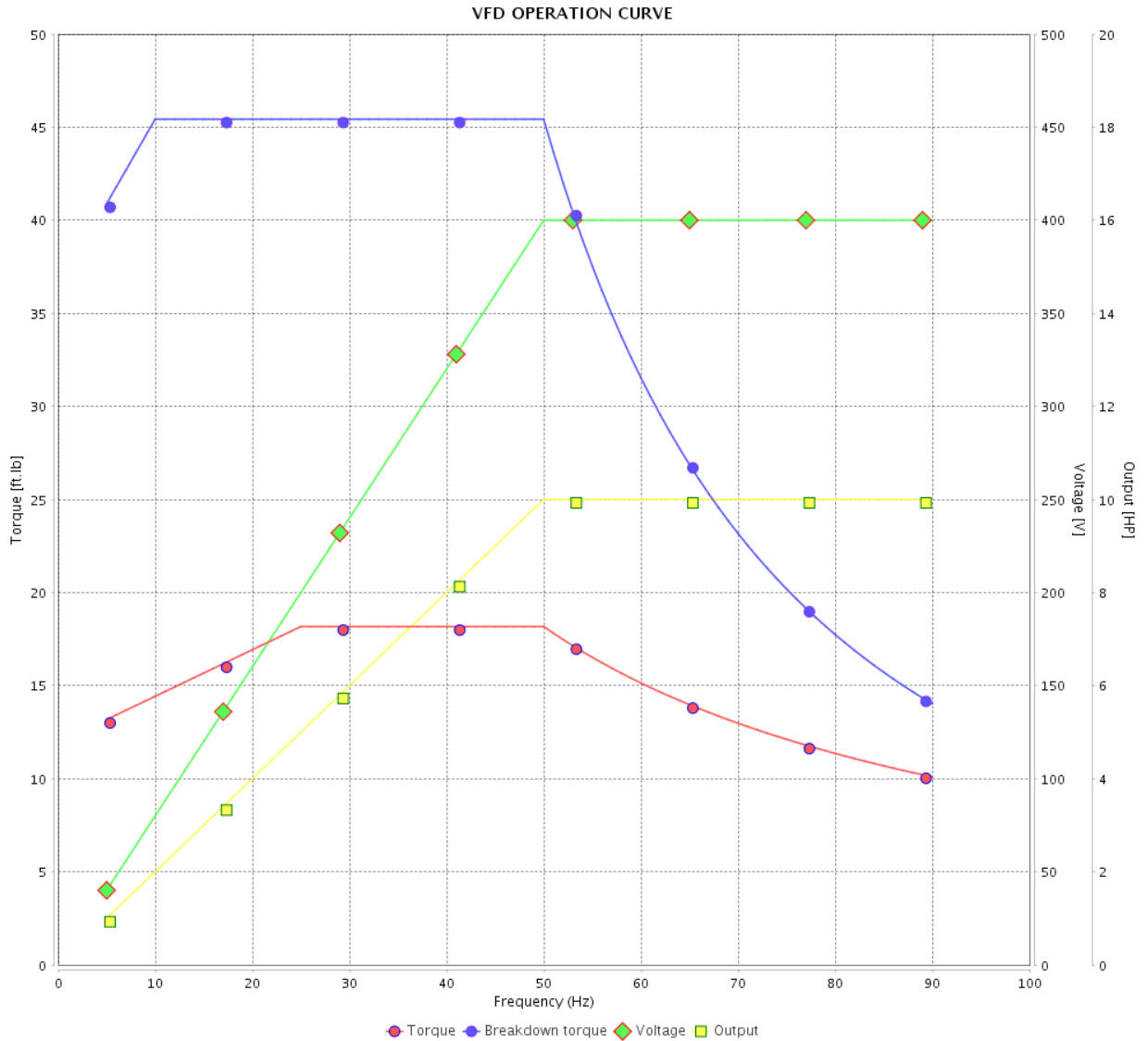
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 12821762
 Catalog # : 01036ET3ER215TC-W22



Performance : 400 V 50 Hz 2P IE2

Rated current : 13.4 A	Moment of inertia (J) : 0.6362 sq.ft.lb
LRC : 6.4	Duty cycle : Cont.(S1)
Rated torque : 18.2 ft.lb	Insulation class : F
Locked rotor torque : 200 %	Service factor : 1.00
Breakdown torque : 250 %	Temperature rise : 105 K
Rated speed : 2890 rpm	Design : B

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

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

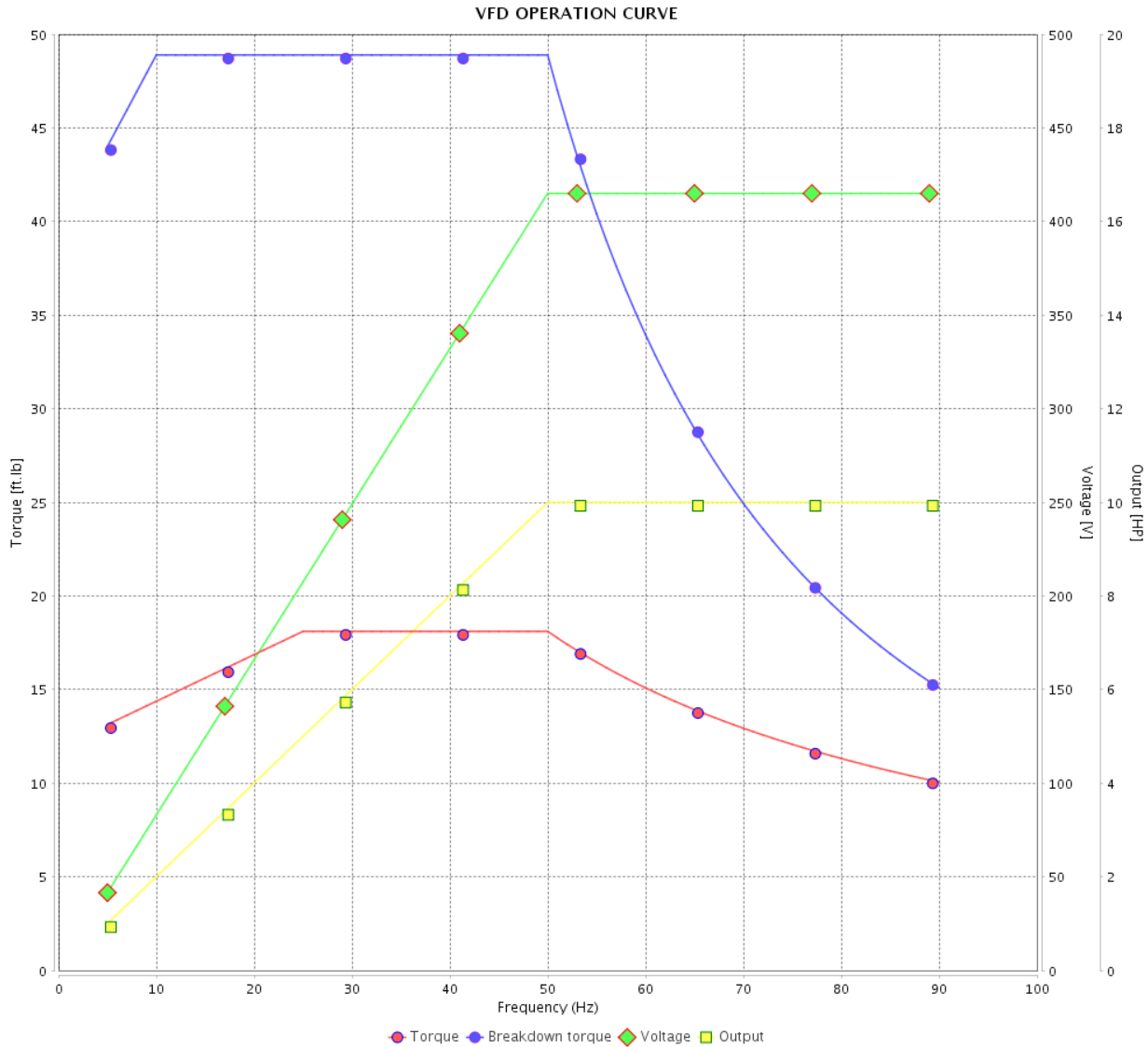


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12821762

Catalog # : 01036ET3ER215TC-W22



Performance : 415 V 50 Hz 2P IE2

Rated current : 13.1 A
 LRC : 6.9
 Rated torque : 18.1 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 270 %
 Rated speed : 2900 rpm

Moment of inertia (J) : 0.6362 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				
			36 / 36	

1 2 3 4 5 6

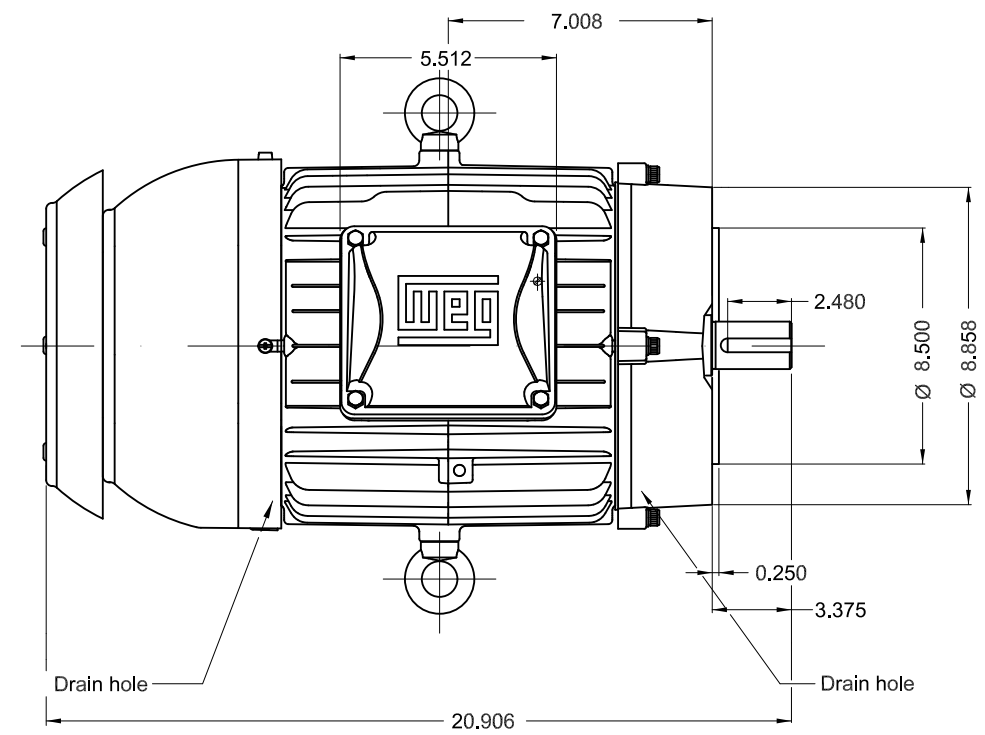
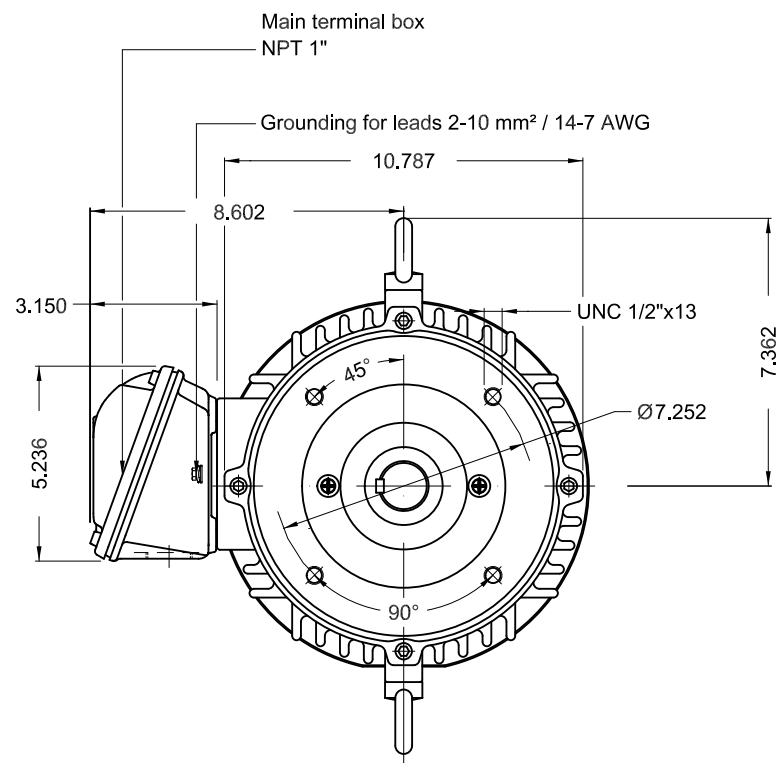
A

B

C

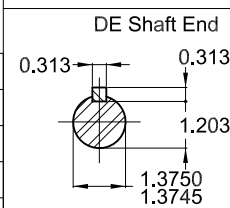
D

E



10 HP 02 Poles 60 Hz A

Bearing cap
Color RAL 5009
Painting plan 207A
Mounting NEMA W-6
Mounting V18



ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER	THREE PH. MOTOR W22 PREM. EFF.					
CHECKED		FRAME 215TC IP55 TEFC					
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering				

PREVIEW
WDD



SHEET 1 / 1

Dimensions in inches


XME A3

MADE IN BRAZIL
12821762



MODEL 01036ET3ER215TC-W22

Inverter Duty Motor
Severe Duty

 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

 FOR SAFE AREA
Mod. TE1BFOXON
CC029A

PH3 60Hz Fr. 215TC 1000m.a.s.l. IP55 TEFC 165lb

V 230/460

A 23.2/11.6

HP 10

kW 7.5

SF 1.25

SFA 29.0/14.5

RPM 3530

PF 0.90

AMB 40°C

INS cl. F DT80K

NEMA NOM EFF 90.2%

DUTY CONT.

DES B Code H

USABLE @208V 25.7A SF 1.15 SFA 29.6

10HP 7.5kW 50Hz 380V 14.1A 2900RPM SF 1.00 EFF 88.5% (IE2)

