

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer							
Product line	: NEMA Premium Efficiency Three-Phase			Product code :	12446714		
				Catalog # :	00736ET3E213TC-W22		
Frame	: 213/5TC			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	: 162 lb		
Protection degree	: IP55			Moment of inertia (J)	: 0.4665 sq.ft.lb		
Design	: B						
Output [HP]	7.5	5.5	5.5	5.5	7.5	7.5	7.5
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]	17.5/8.76	7.83	7.60	7.49	10.6	10.2	9.82
L. R. Amperes [A]	126/63.1	60.3	57.8	62.2	60.4	65.3	67.8
LRC [A]	7.2x(Code H)	7.7x(Code J)	7.6x(Code J)	8.3x(Code K)	5.7x(Code F)	6.4x(Code G)	6.9x(Code H)
No load current [A]	5.40/2.70	2.35	2.65	2.91	2.23	2.52	2.98
Rated speed [RPM]	3520	2930	2940	2945	2895	2905	2915
Slip [%]	2.22	2.33	2.00	1.83	3.50	3.17	2.83
Rated torque [ft.lb]	11.2	9.82	9.79	9.77	13.6	13.5	13.5
Locked rotor torque [%]	210	220	250	270	170	190	210
Breakdown torque [%]	300	310	350	370	229	260	280
Service factor	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Temperature rise	80 K	80 K	80 K	80 K	80 K	80 K	80 K
Locked rotor time	39s (cold) 22s (hot)	50s (cold) 28s (hot)	46s (cold) 26s (hot)	45s (cold) 25s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (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%						
	50%	87.5	86.7	86.4	86.1	88.5	87.5
	75%	89.5	88.2	88.3	88.5	88.5	87.5
	100%	89.5	88.2	88.3	88.5	87.5	88.5
Power Factor	25%						
	50%	0.75	0.74	0.70	0.67	0.80	0.77
	75%	0.84	0.83	0.81	0.78	0.87	0.86
	100%	0.88	0.88	0.86	0.84	0.90	0.89
Bearing type	: <u>Drive end</u> 6308 ZZ <u>Non drive end</u> 6207 ZZ		Foundation loads				
Sealing	: V'Ring V'Ring		Max. traction : 132 lb				
Lubrication interval	: - -		Max. compression : 294 lb				
Lubricant amount	: - -						
Lubricant type	: Mobil Polyrex EM						
Notes USABLE @208V 19.4A SF 1.15 SFA 22.3A							
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



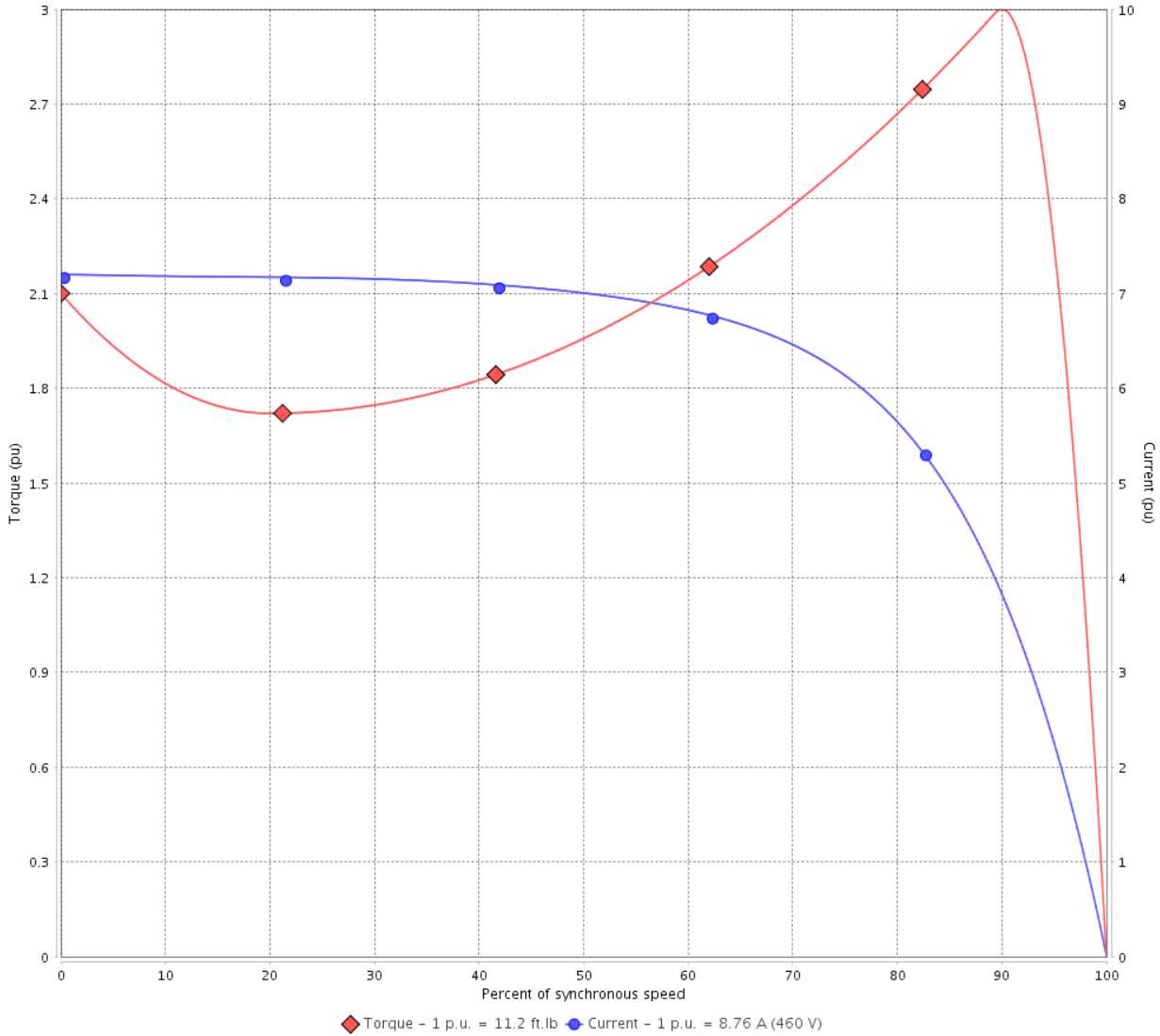
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 230/460 V 60 Hz 2P

Rated current	: 17.5/8.76 A	Moment of inertia (J)	: 0.4665 sq.ft.lb
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 11.2 ft.lb	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.25
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3520 rpm	Design	: B

Locked rotor time : 39s (cold) 22s (hot)

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TORQUE AND CURRENT VS SPEED CURVE



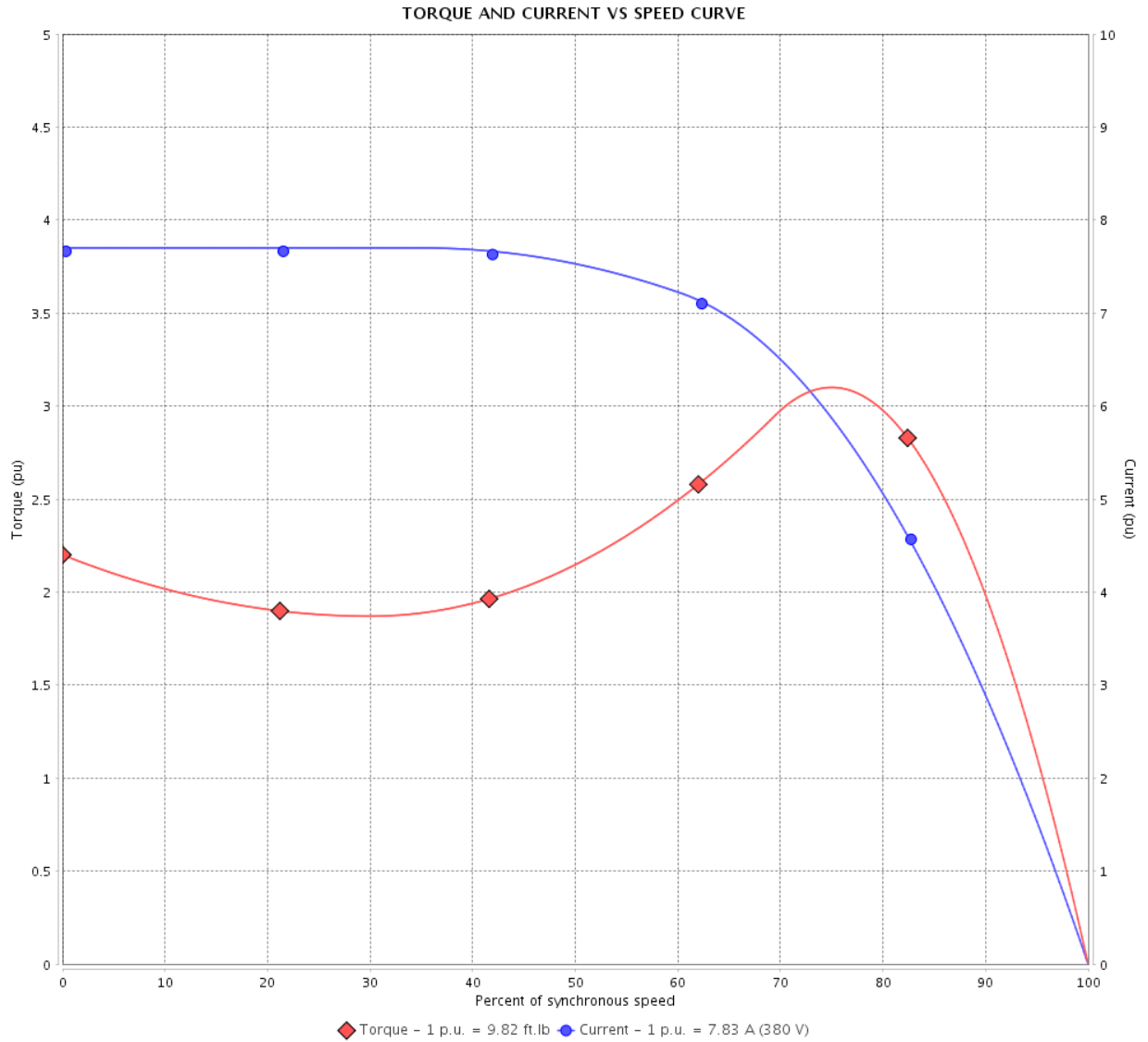
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22



Performance : 380 V 50 Hz 2P IE3

Rated current	: 7.83 A	Moment of inertia (J)	: 0.4665 sq.ft.lb
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 9.82 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 2930 rpm	Design	: B

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

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



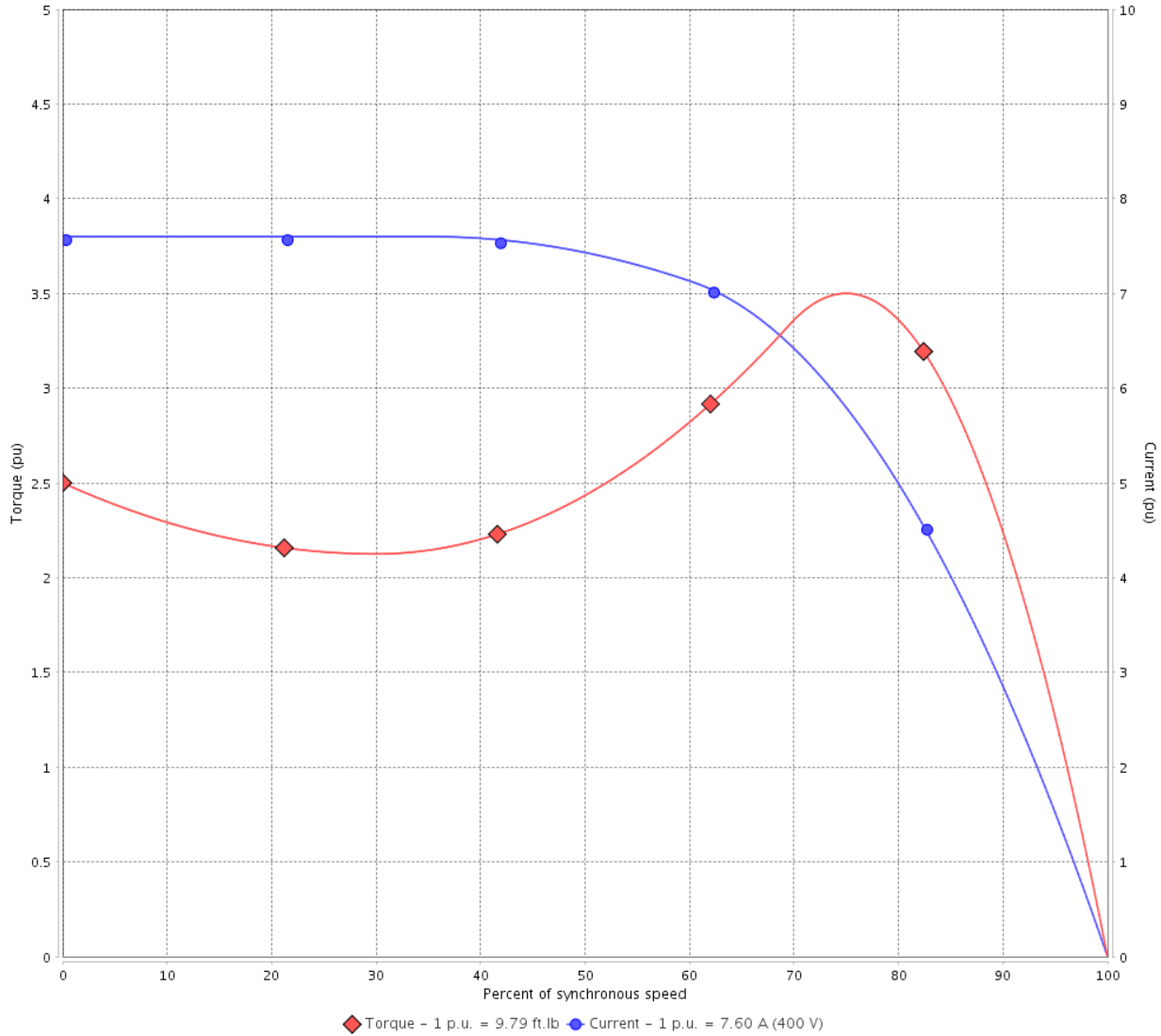
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 400 V 50 Hz 2P IE3

Rated current	: 7.60 A	Moment of inertia (J)	: 0.4665 sq.ft.lb
LRC	: 7.6	Duty cycle	: Cont.(S1)
Rated torque	: 9.79 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.25
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 2940 rpm	Design	: B

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

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TORQUE AND CURRENT VS SPEED CURVE



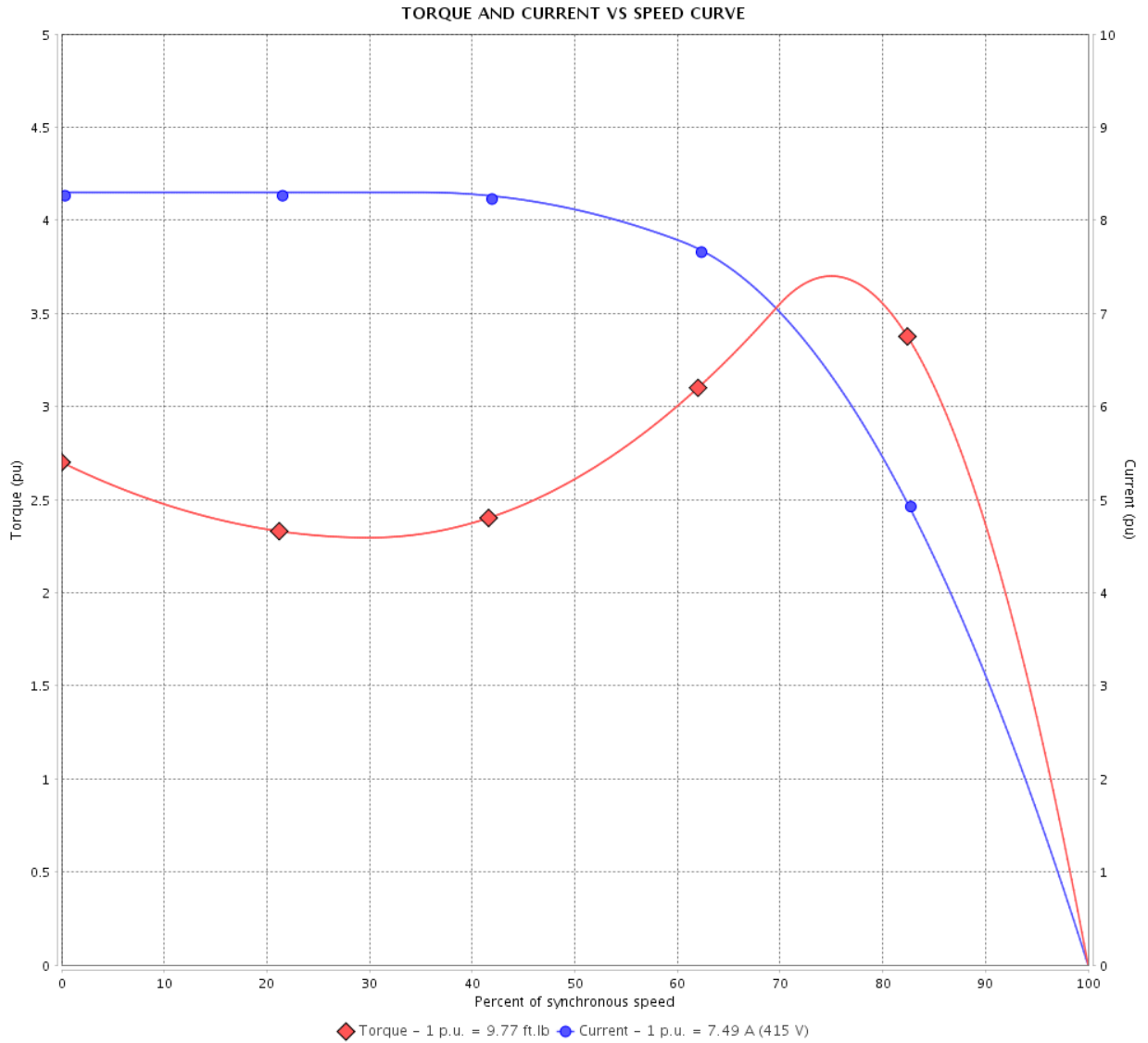
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22



Performance : 415 V 50 Hz 2P IE3

Rated current : 7.49 A
 LRC : 8.3
 Rated torque : 9.77 ft.lb
 Locked rotor torque : 270 %
 Breakdown torque : 370 %
 Rated speed : 2945 rpm

Moment of inertia (J) : 0.4665 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

Locked rotor time : 45s (cold) 25s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



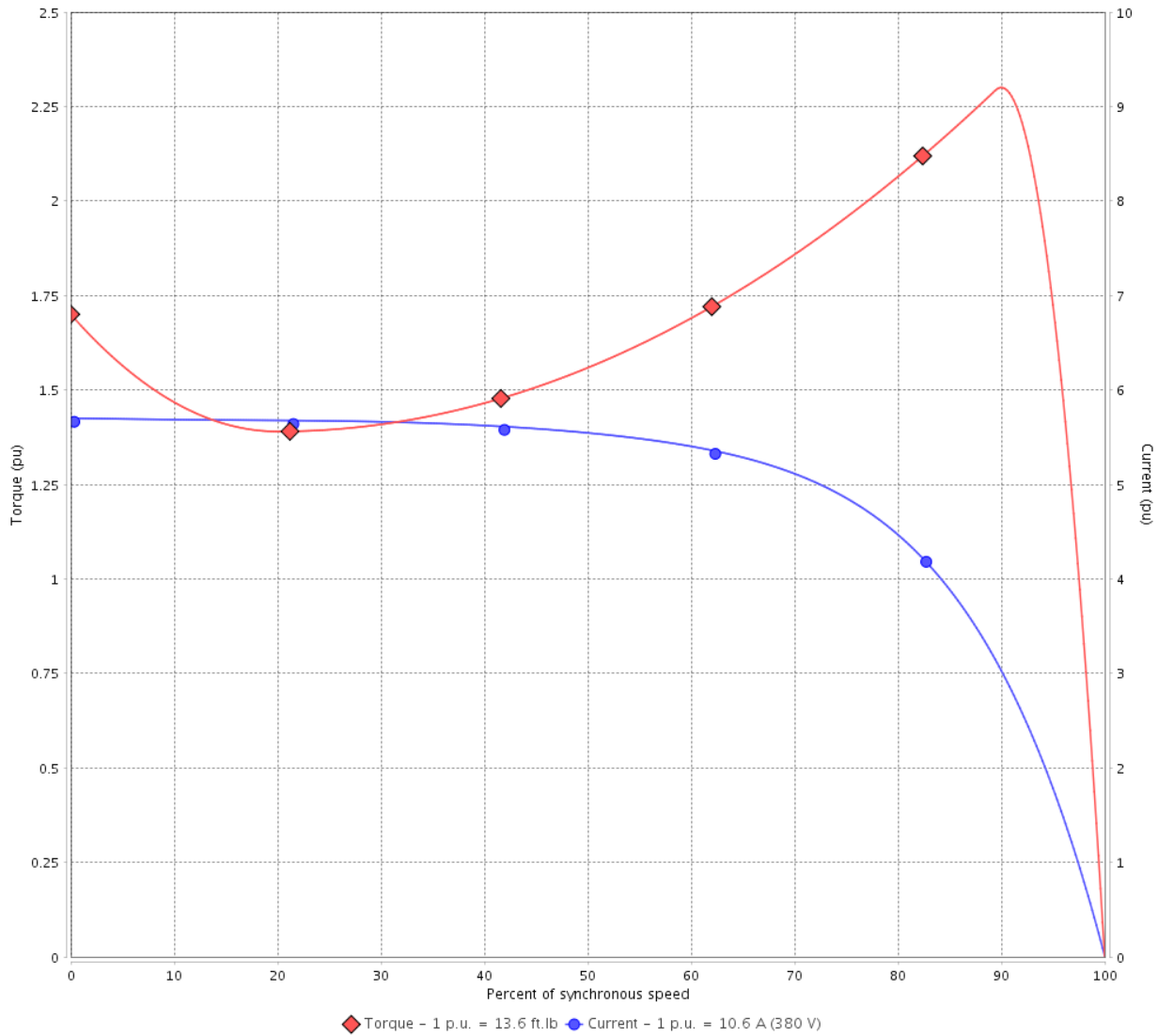
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 380 V 50 Hz 2P IE2

Rated current	: 10.6 A	Moment of inertia (J)	: 0.4665 sq.ft.lb
LRC	: 5.7	Duty cycle	: Cont.(S1)
Rated torque	: 13.6 ft.lb	Insulation class	: F
Locked rotor torque	: 170 %	Service factor	: 1.25
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 2895 rpm	Design	: B

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

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TORQUE AND CURRENT VS SPEED CURVE



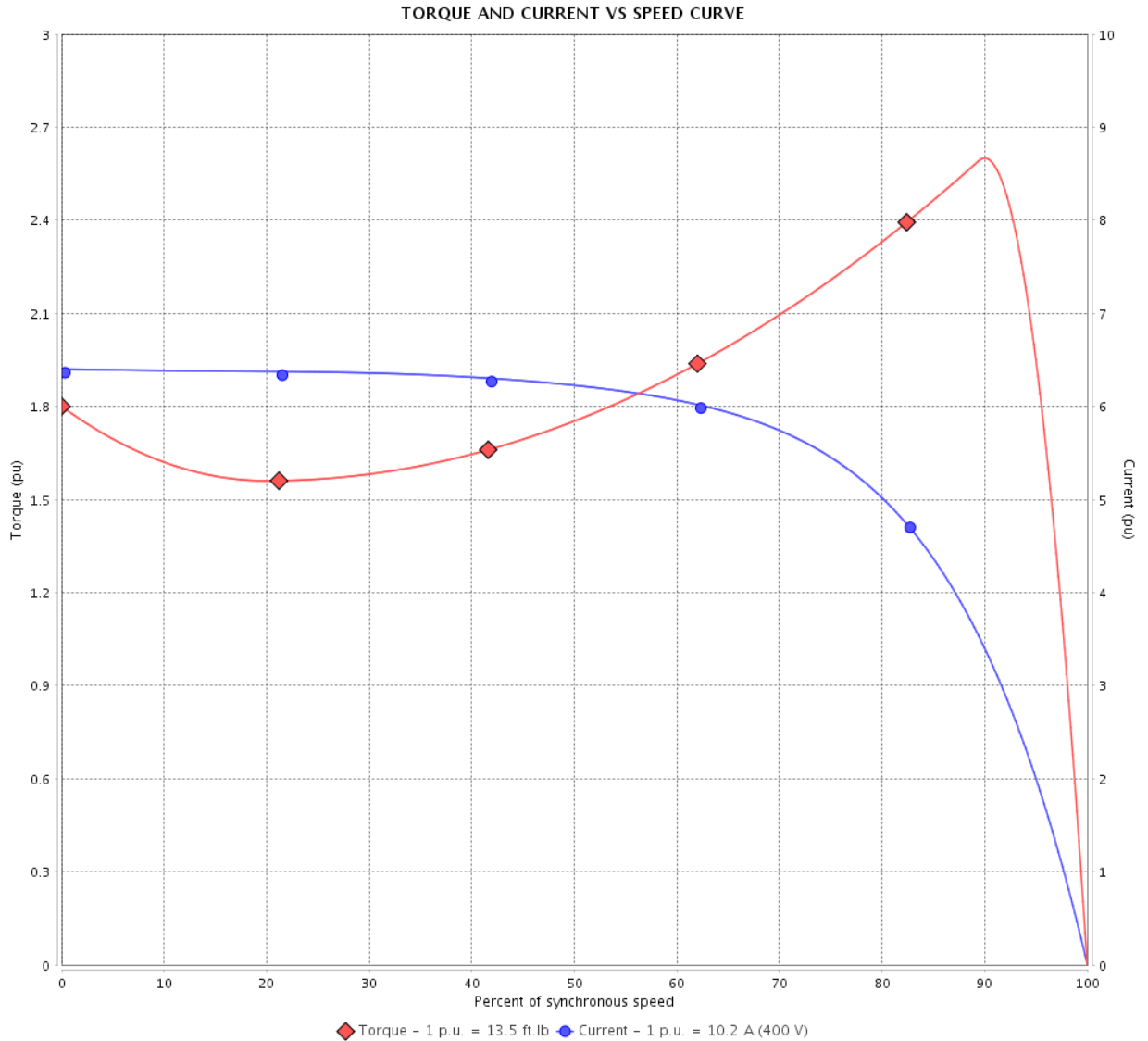
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22



Performance : 400 V 50 Hz 2P IE2

Rated current	: 10.2 A	Moment of inertia (J)	: 0.4665 sq.ft.lb
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 13.5 ft.lb	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.25
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 2905 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



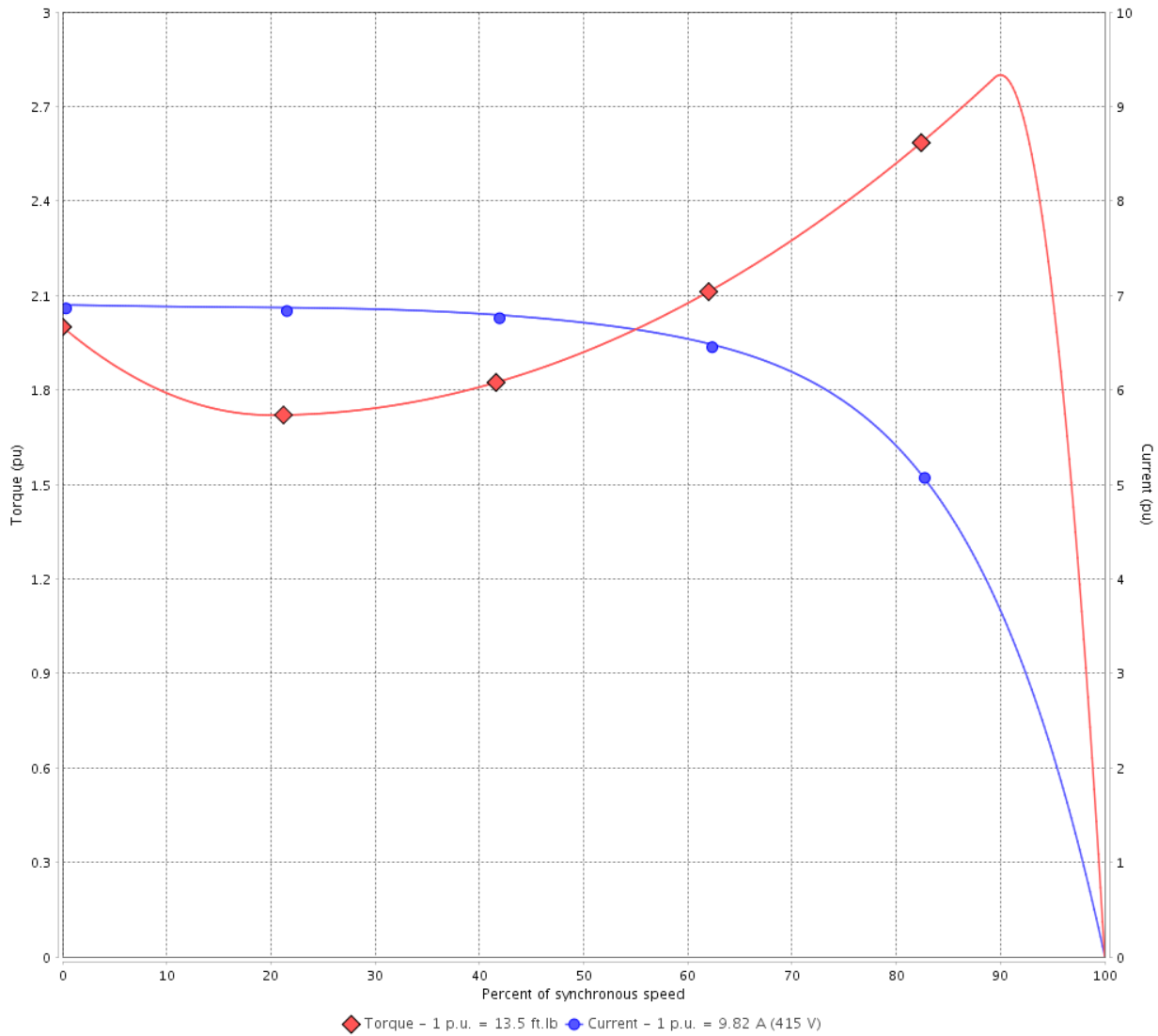
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 415 V 50 Hz 2P IE2

Rated current	: 9.82 A	Moment of inertia (J)	: 0.4665 sq.ft.lb
LRC	: 6.9	Duty cycle	: Cont.(S1)
Rated torque	: 13.5 ft.lb	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.25
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 2915 rpm	Design	: B

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

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Three Phase Induction Motor - Squirrel Cage

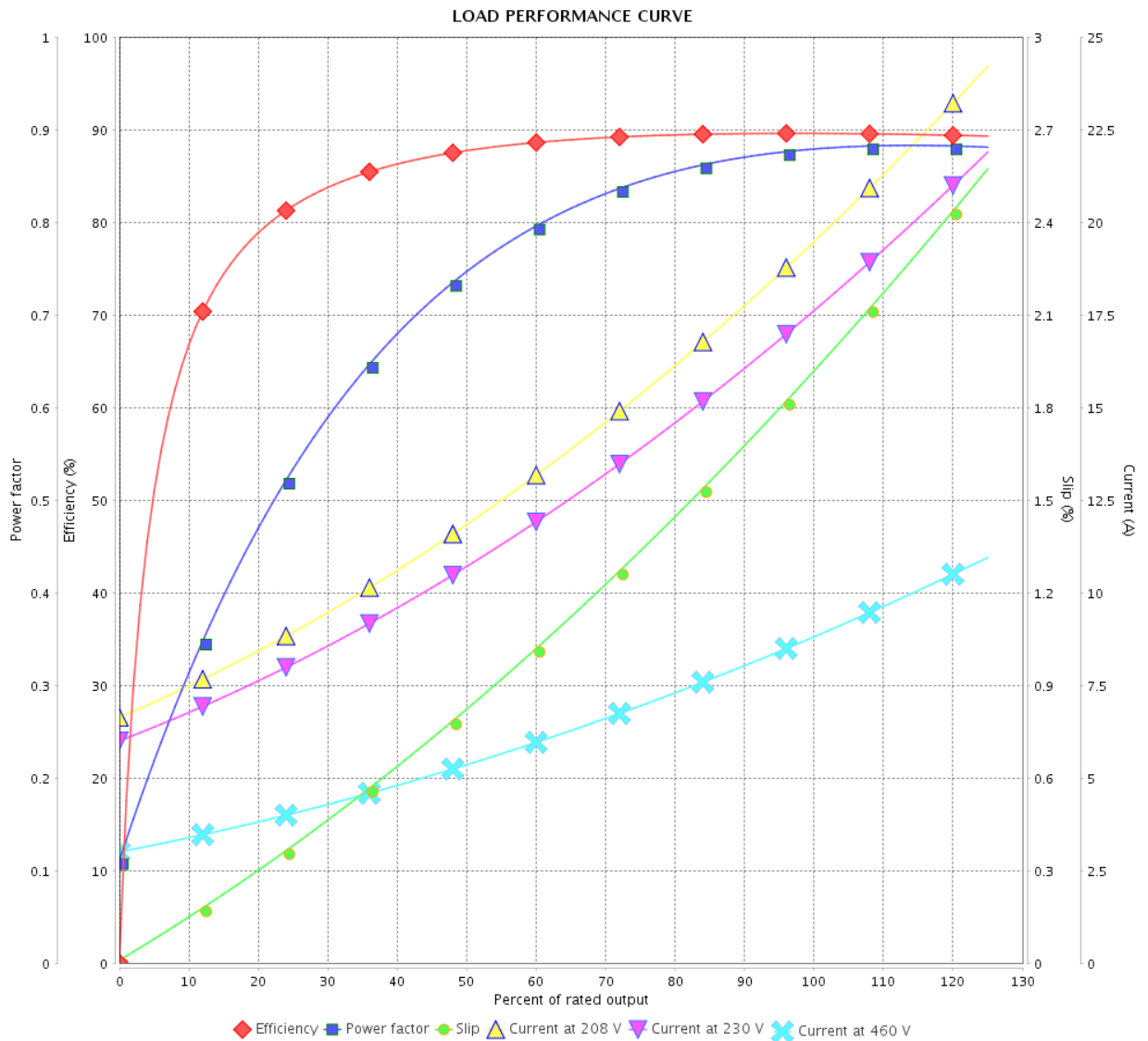


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22



Performance : 230/460 V 60 Hz 2P

Rated current : 17.5/8.76 A
 LRC : 7.2
 Rated torque : 11.2 ft.lb
 Locked rotor torque : 210 %
 Breakdown torque : 300 %
 Rated speed : 3520 rpm

Moment of inertia (J) : 0.4665 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

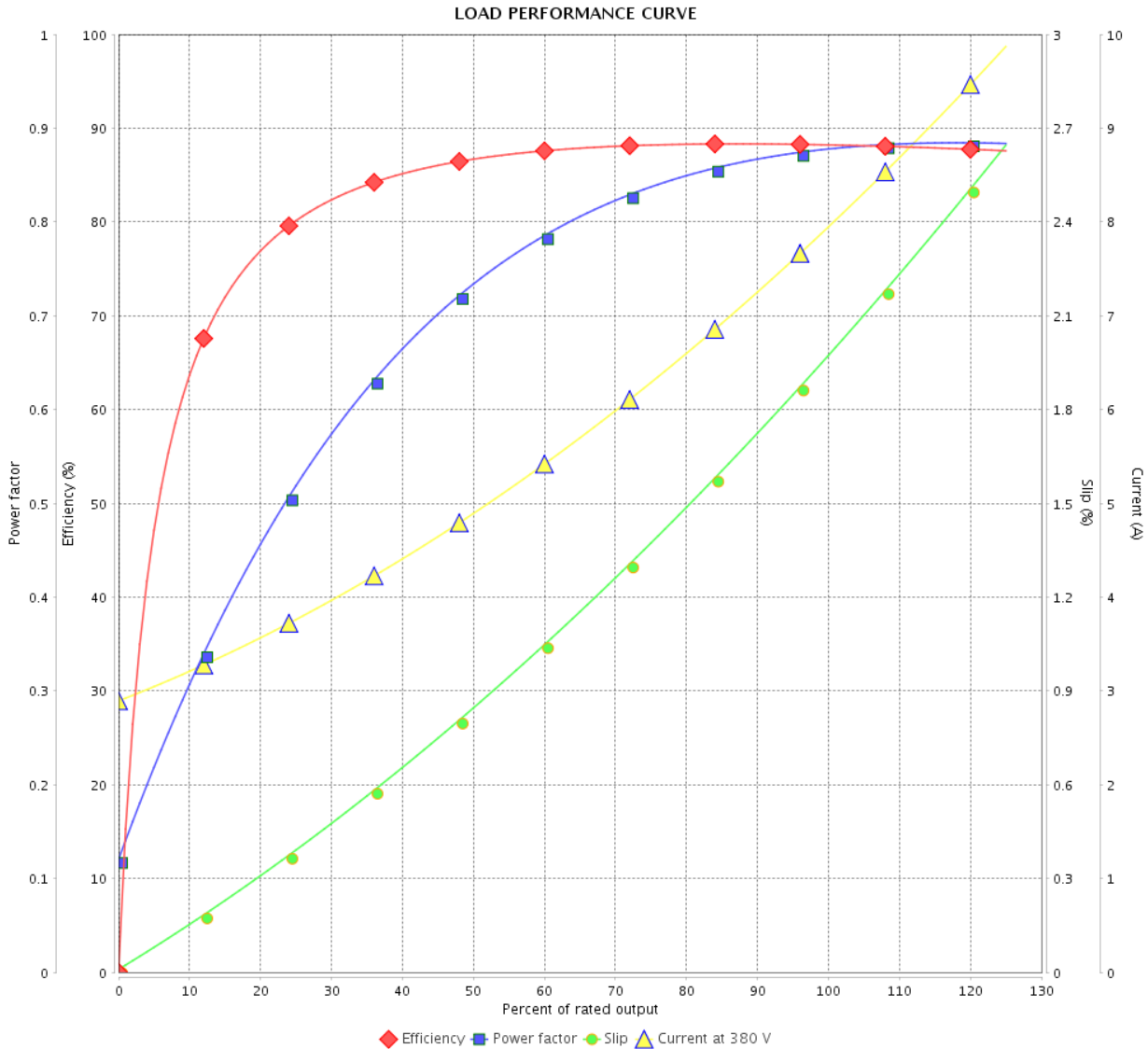


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22



Performance : 380 V 50 Hz 2P IE3

Rated current : 7.83 A
 LRC : 7.7
 Rated torque : 9.82 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 310 %
 Rated speed : 2930 rpm

Moment of inertia (J) : 0.4665 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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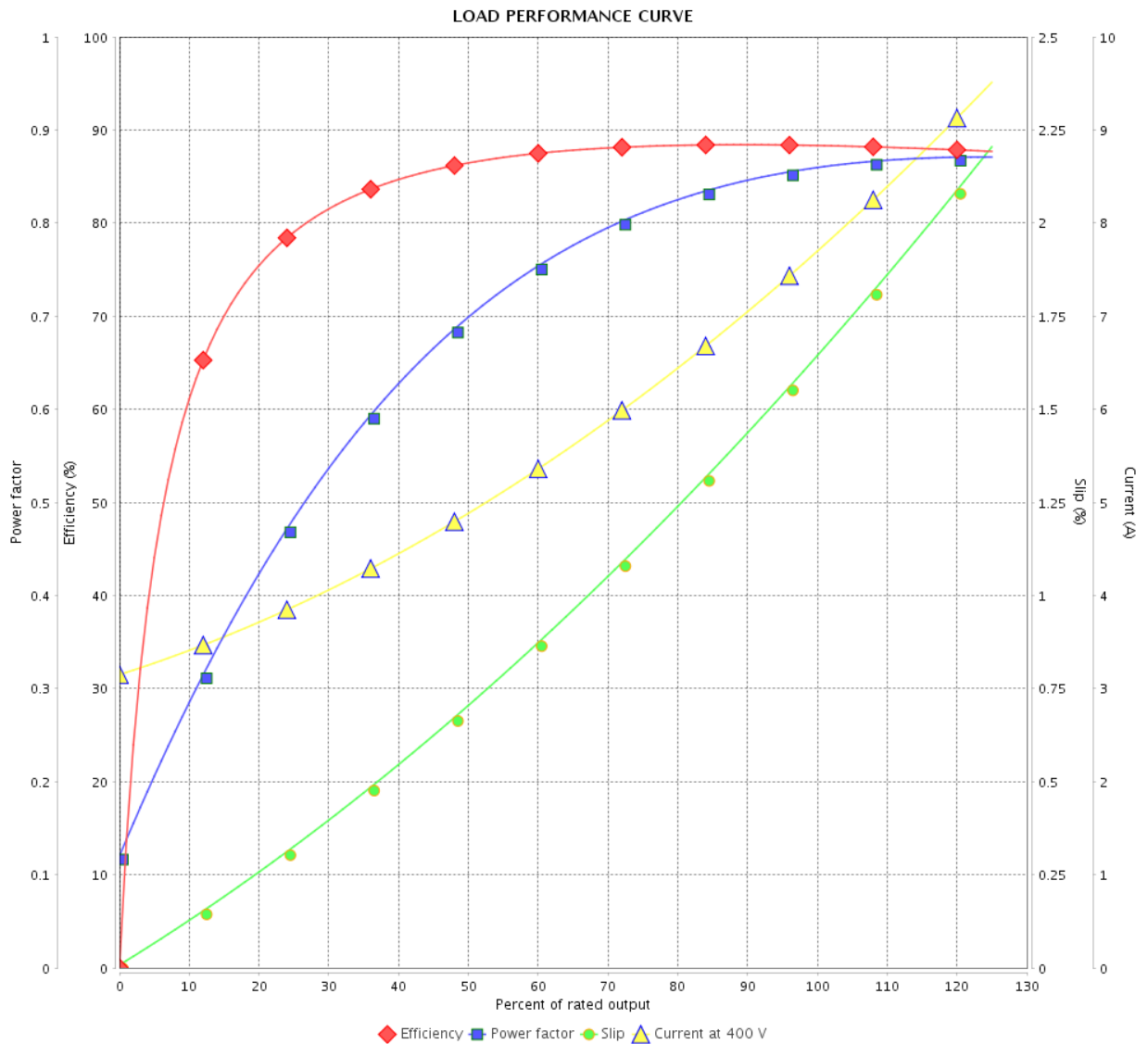


Customer :

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Product code : 12446714

Catalog # : 00736ET3E213TC-W22



Performance : 400 V 50 Hz 2P IE3

Rated current : 7.60 A
 LRC : 7.6
 Rated torque : 9.79 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 350 %
 Rated speed : 2940 rpm

Moment of inertia (J) : 0.4665 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



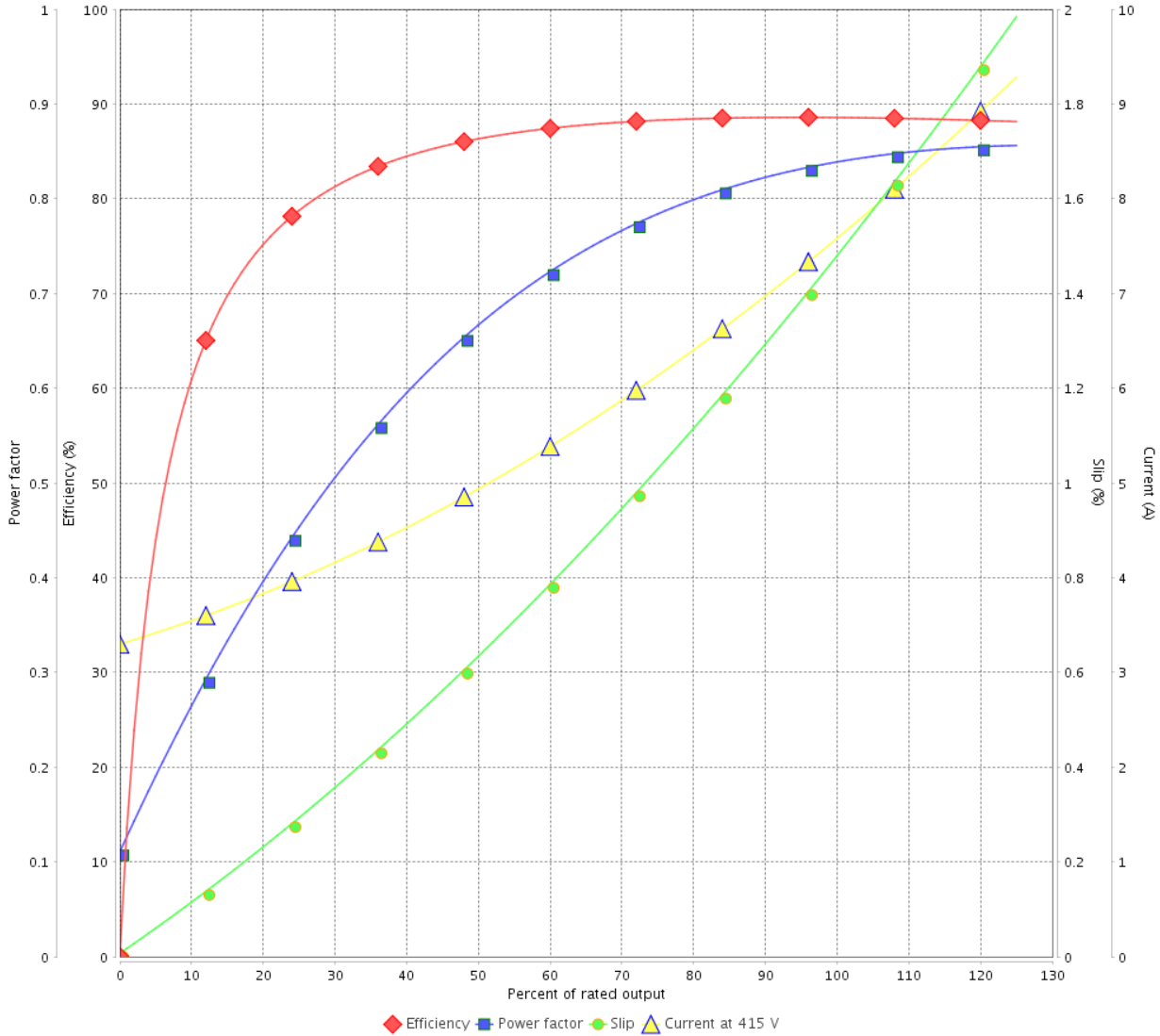
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22

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Performance : 415 V 50 Hz 2P IE3

Rated current : 7.49 A
 LRC : 8.3
 Rated torque : 9.77 ft.lb
 Locked rotor torque : 270 %
 Breakdown torque : 370 %
 Rated speed : 2945 rpm

Moment of inertia (J) : 0.4665 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

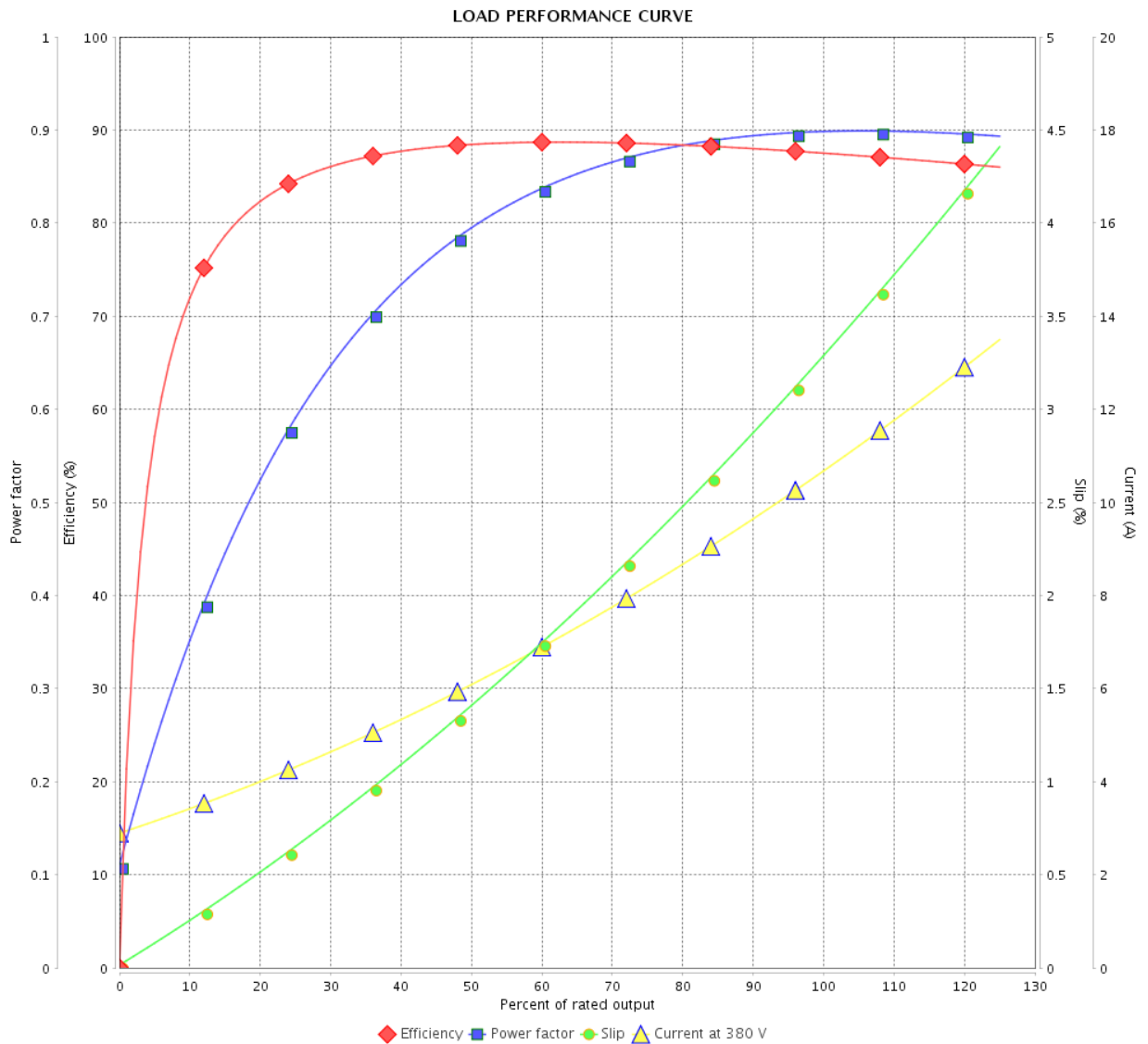


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22



Performance : 380 V 50 Hz 2P IE2

Rated current : 10.6 A
 LRC : 5.7
 Rated torque : 13.6 ft.lb
 Locked rotor torque : 170 %
 Breakdown torque : 229 %
 Rated speed : 2895 rpm

Moment of inertia (J) : 0.4665 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



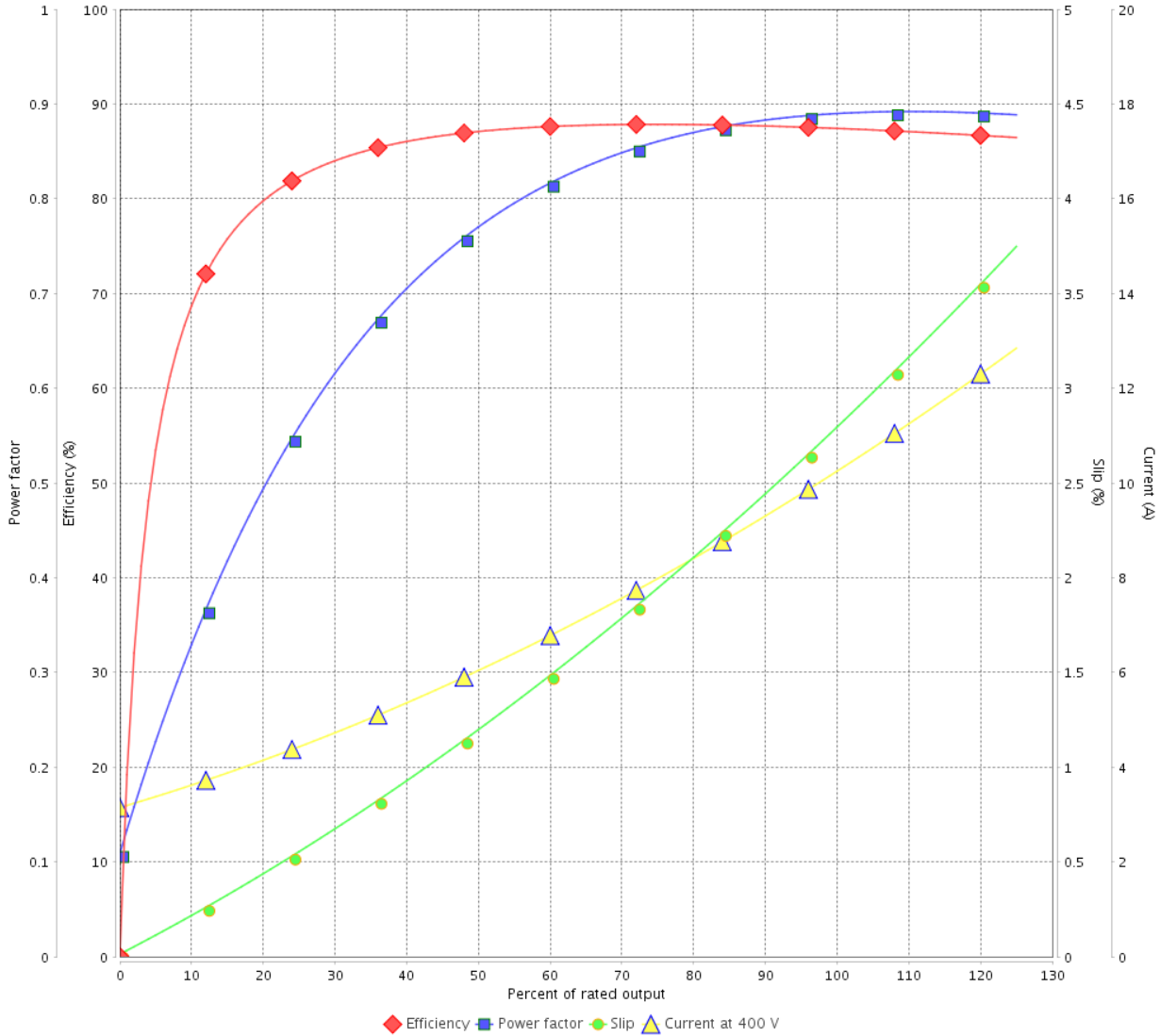
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22

LOAD PERFORMANCE CURVE



Performance : 400 V 50 Hz 2P IE2

Rated current : 10.2 A
 LRC : 6.4
 Rated torque : 13.5 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 260 %
 Rated speed : 2905 rpm

Moment of inertia (J) : 0.4665 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

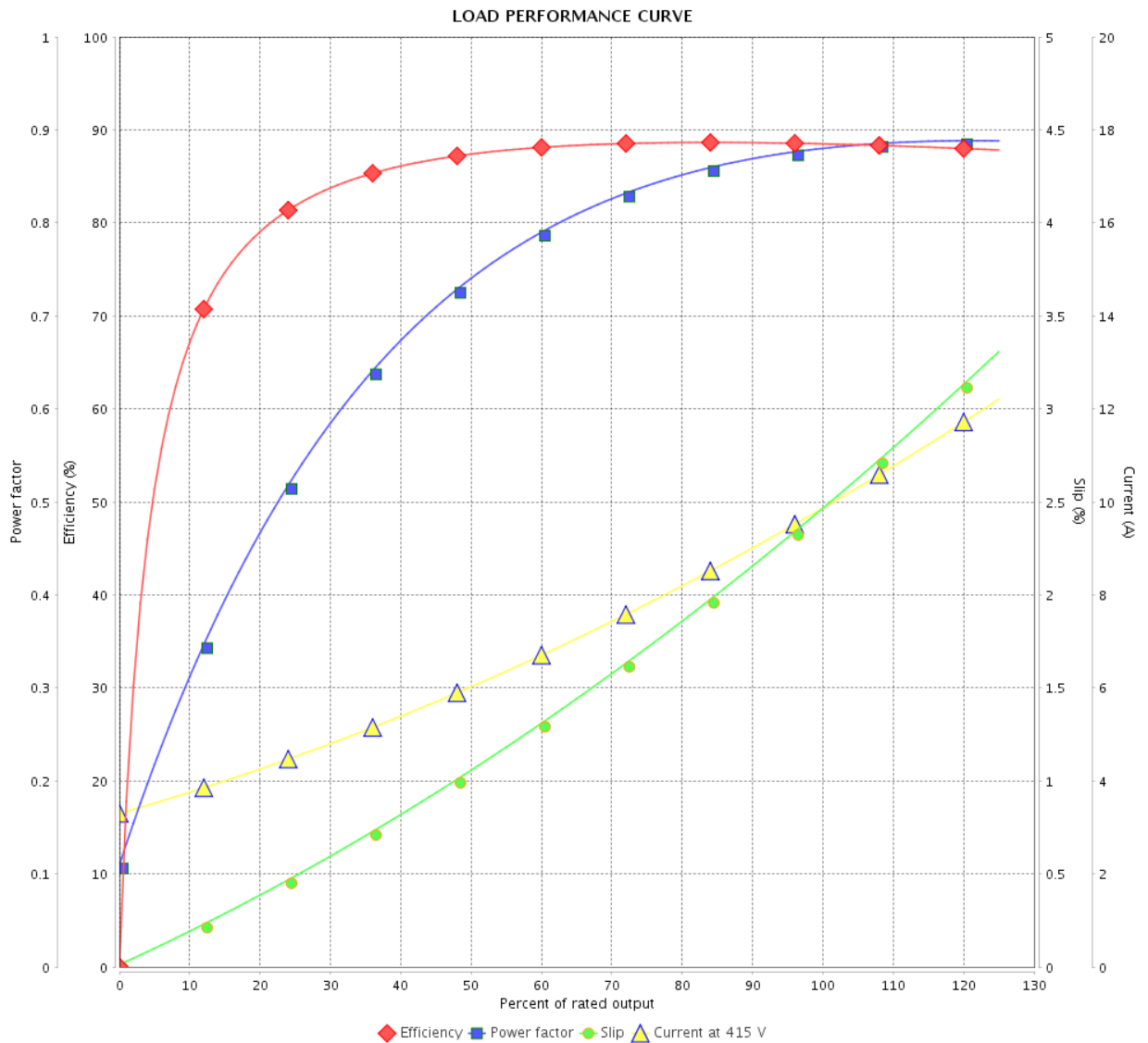


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22



Performance : 415 V 50 Hz 2P IE2

Rated current : 9.82 A
 LRC : 6.9
 Rated torque : 13.5 ft.lb
 Locked rotor torque : 210 %
 Breakdown torque : 280 %
 Rated speed : 2915 rpm

Moment of inertia (J) : 0.4665 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 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 : 12446714
Catalog # : 00736ET3E213TC-W22

Performance : 230/460 V 60 Hz 2P

Rated current	: 17.5/8.76 A	Moment of inertia (J)	: 0.4665 sq.ft.lb
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 11.2 ft.lb	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.25
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3520 rpm	Design	: B

Heating constant

Cooling constant

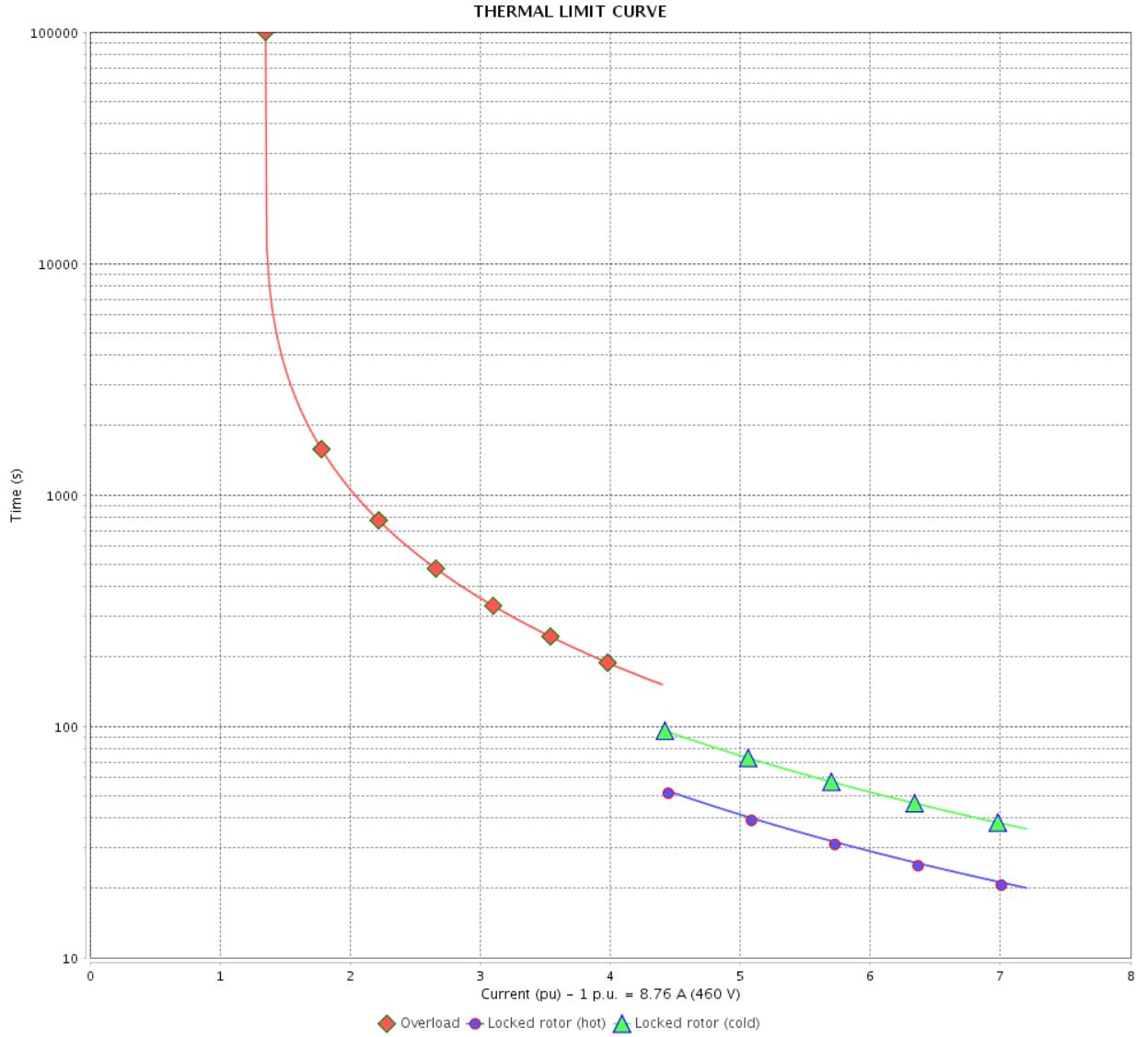
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Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12446714
Catalog # : 00736ET3E213TC-W22

Performance : 380 V 50 Hz 2P IE3

Rated current	: 7.83 A	Moment of inertia (J)	: 0.4665 sq.ft.lb
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 9.82 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 2930 rpm	Design	: B

Heating constant

Cooling constant

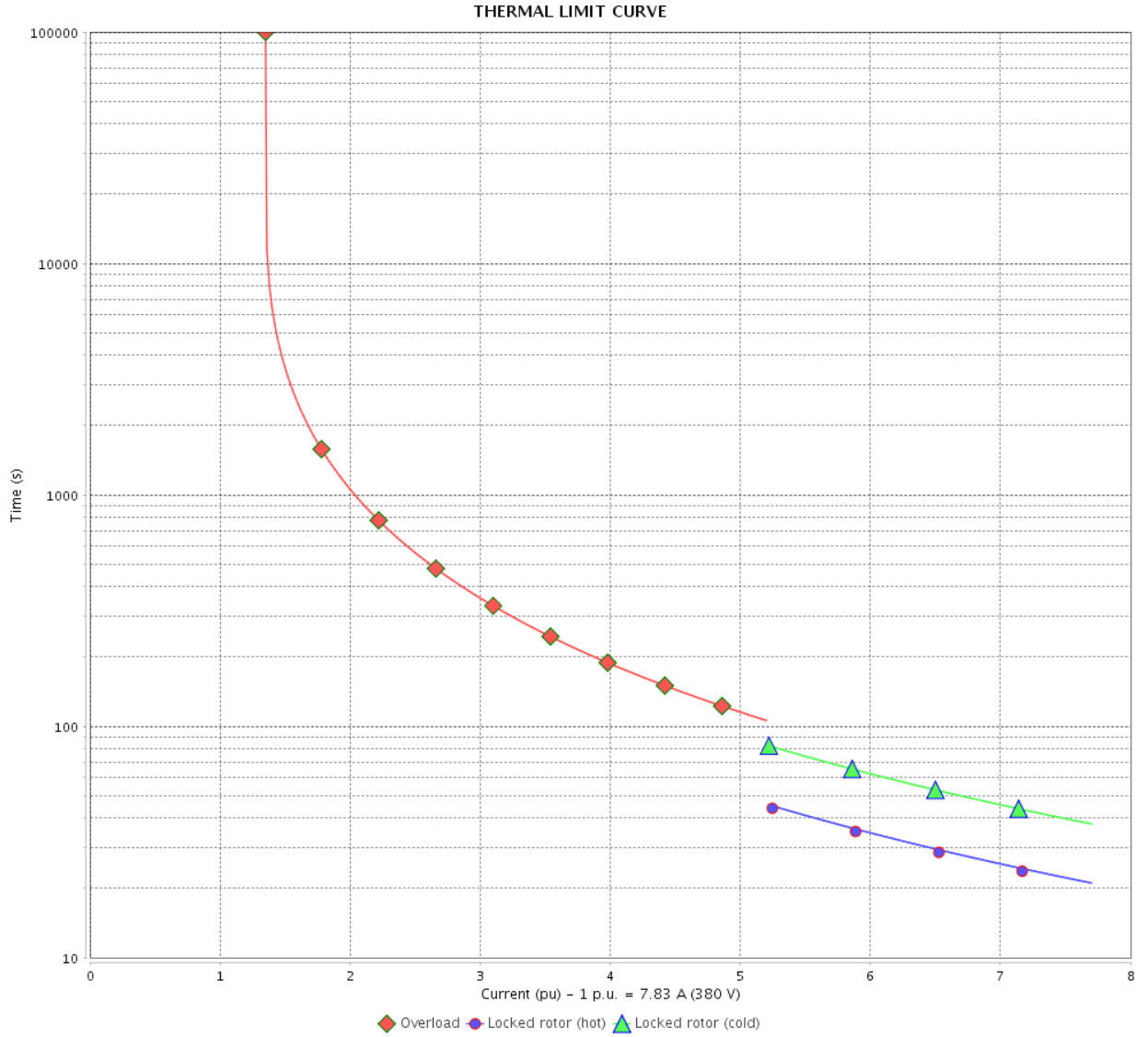
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Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12446714
Catalog # : 00736ET3E213TC-W22

Performance : 400 V 50 Hz 2P IE3

Rated current	: 7.60 A	Moment of inertia (J)	: 0.4665 sq.ft.lb
LRC	: 7.6	Duty cycle	: Cont.(S1)
Rated torque	: 9.79 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.25
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 2940 rpm	Design	: B

Heating constant

Cooling constant

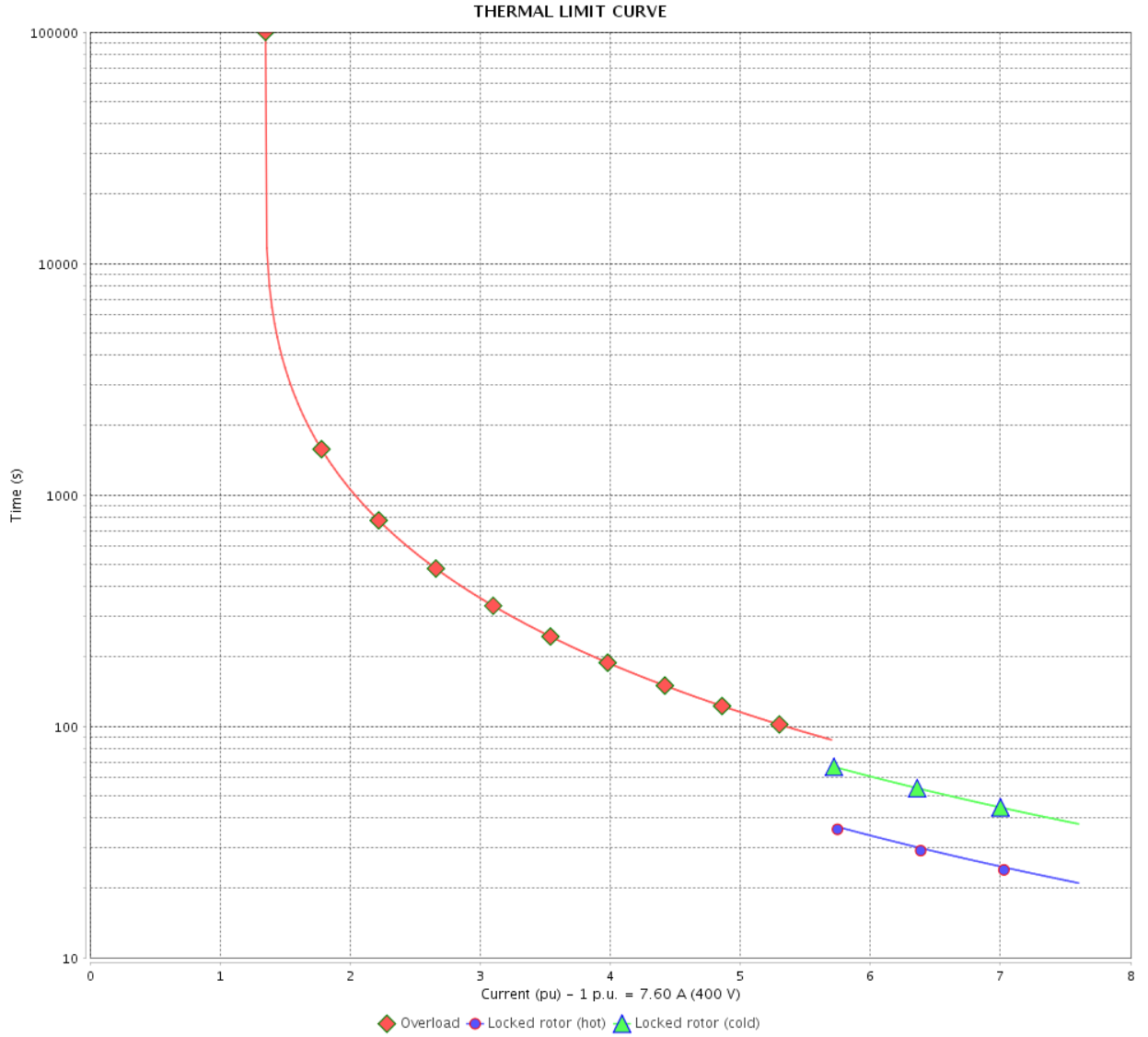
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THERMAL LIMIT CURVE

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 : 12446714
 Catalog # : 00736ET3E213TC-W22

Performance : 415 V 50 Hz 2P IE3

Rated current : 7.49 A	Moment of inertia (J) : 0.4665 sq.ft.lb
LRC : 8.3	Duty cycle : Cont.(S1)
Rated torque : 9.77 ft.lb	Insulation class : F
Locked rotor torque : 270 %	Service factor : 1.25
Breakdown torque : 370 %	Temperature rise : 80 K
Rated speed : 2945 rpm	Design : B

Heating constant

Cooling constant

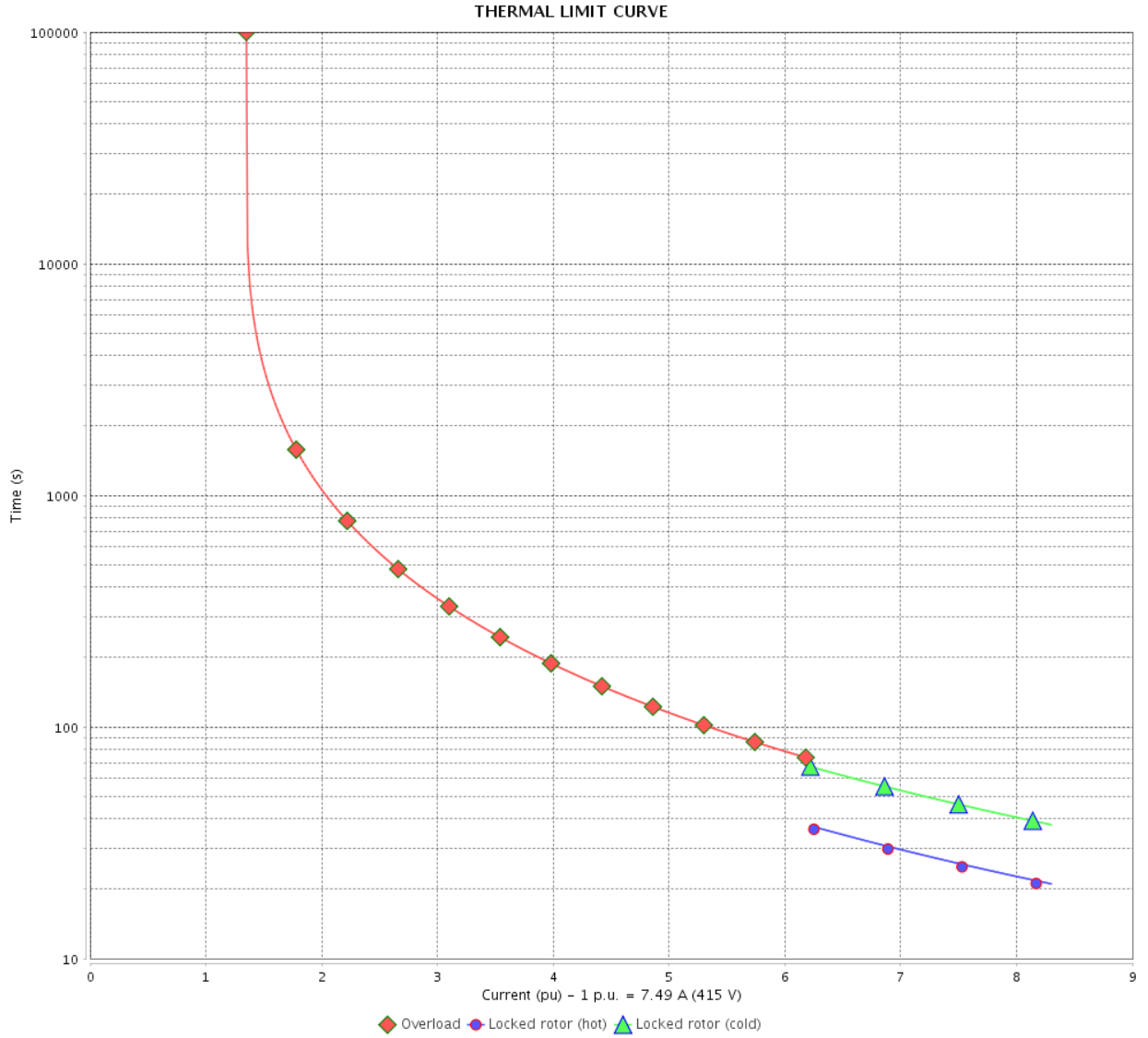
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Customer : _____



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Customer :

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Product code : 12446714
Catalog # : 00736ET3E213TC-W22

Performance : 380 V 50 Hz 2P IE2

Rated current	: 10.6 A	Moment of inertia (J)	: 0.4665 sq.ft.lb
LRC	: 5.7	Duty cycle	: Cont.(S1)
Rated torque	: 13.6 ft.lb	Insulation class	: F
Locked rotor torque	: 170 %	Service factor	: 1.25
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 2895 rpm	Design	: B

Heating constant

Cooling constant

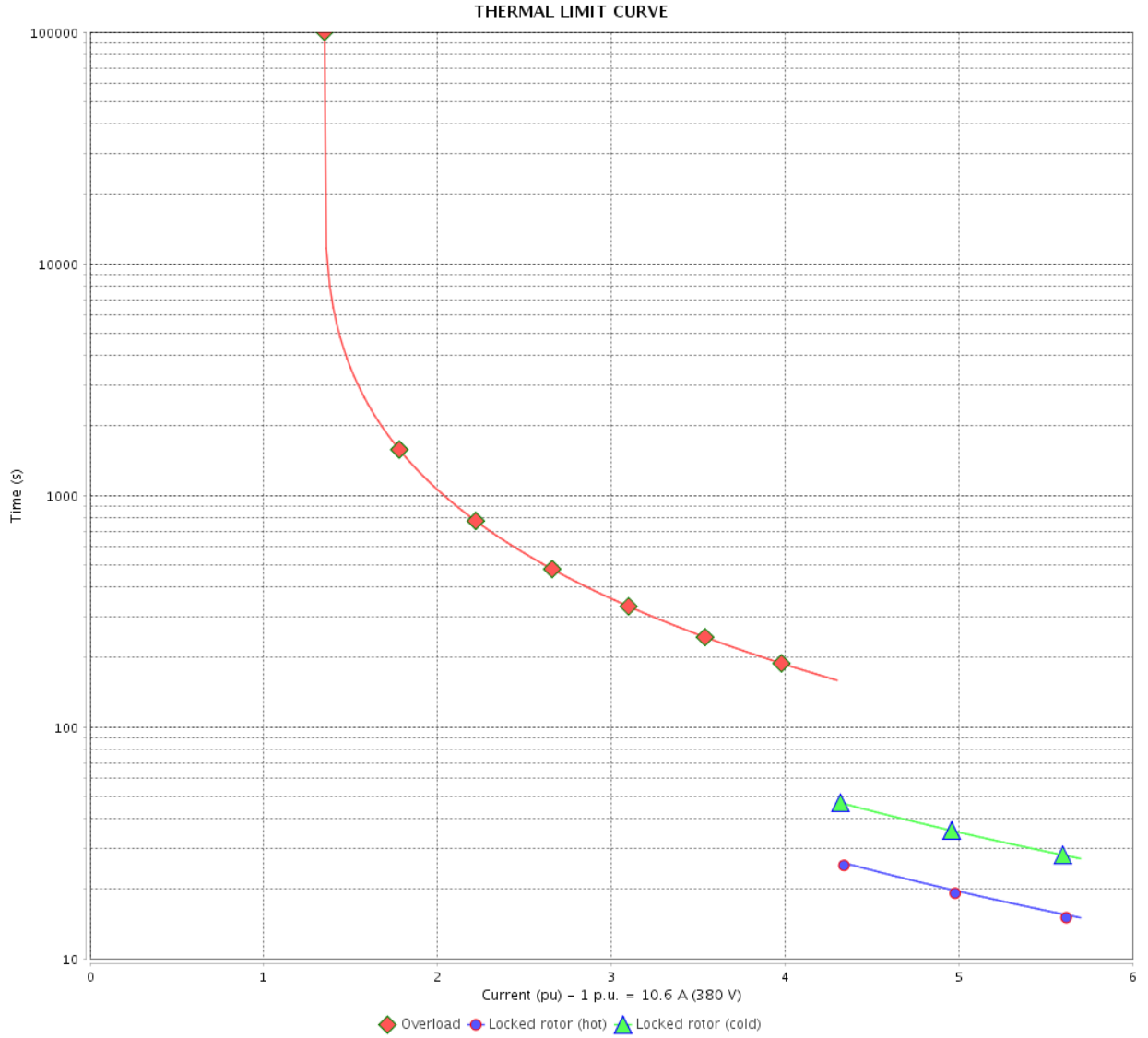
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Customer :

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Product code : 12446714
Catalog # : 00736ET3E213TC-W22

Performance : 400 V 50 Hz 2P IE2

Rated current	: 10.2 A	Moment of inertia (J)	: 0.4665 sq.ft.lb
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 13.5 ft.lb	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.25
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 2905 rpm	Design	: B

Heating constant

Cooling constant

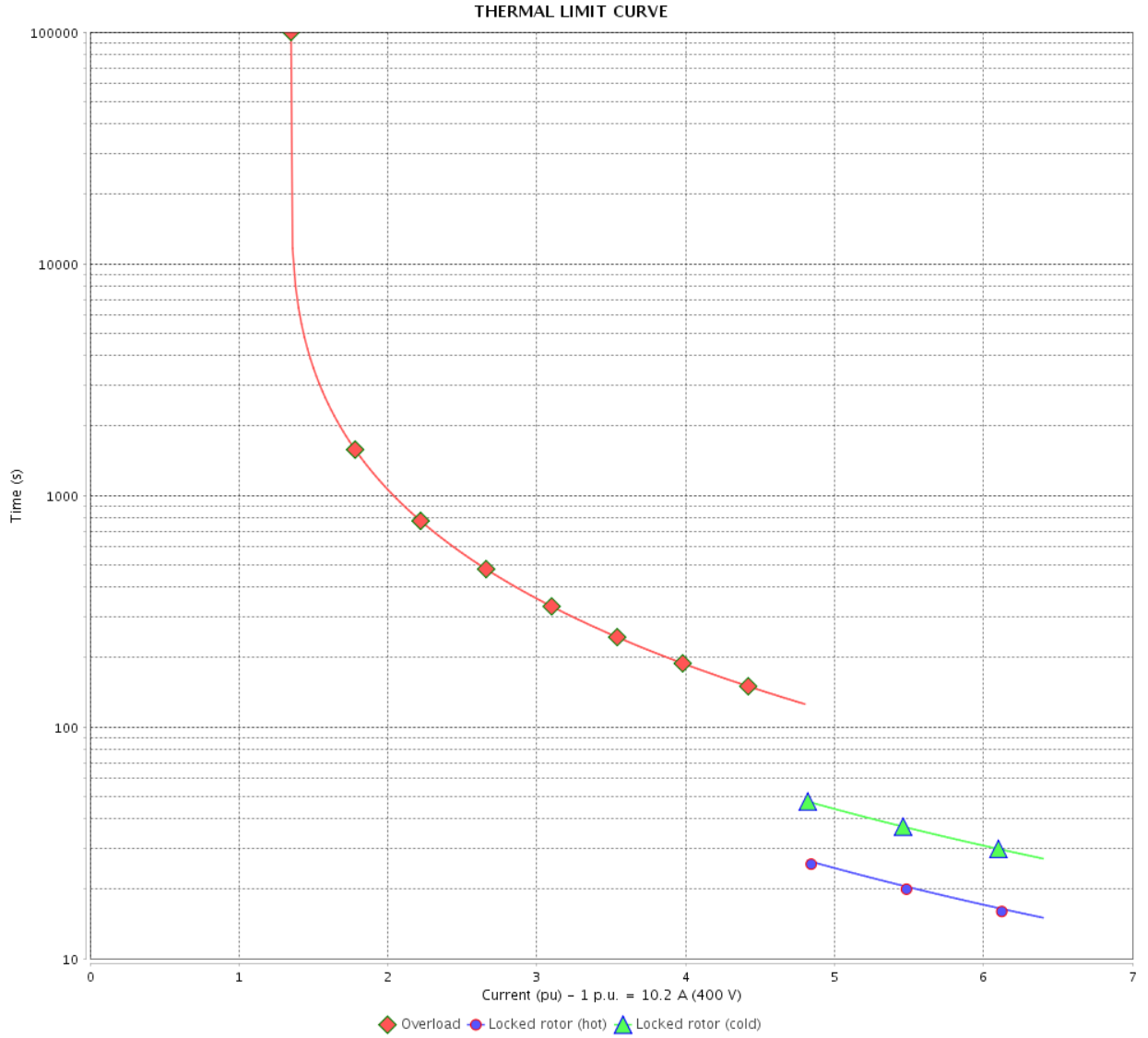
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	12/04/2022		Page 26 / 36	Revision

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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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 : 12446714
 Catalog # : 00736ET3E213TC-W22

Performance : 415 V 50 Hz 2P IE2

Rated current : 9.82 A	Moment of inertia (J) : 0.4665 sq.ft.lb
LRC : 6.9	Duty cycle : Cont.(S1)
Rated torque : 13.5 ft.lb	Insulation class : F
Locked rotor torque : 210 %	Service factor : 1.25
Breakdown torque : 280 %	Temperature rise : 80 K
Rated speed : 2915 rpm	Design : B

Heating constant

Cooling constant

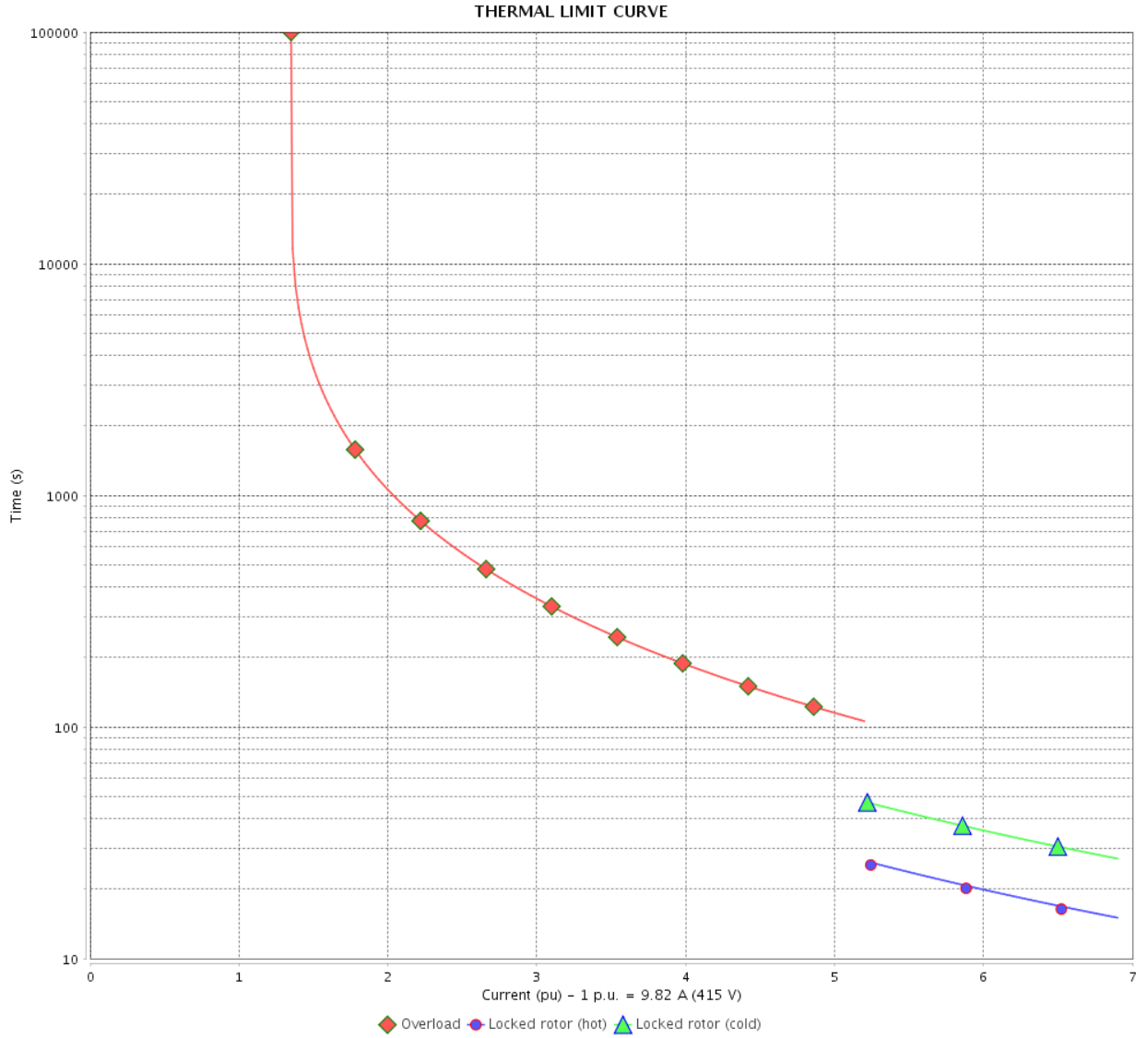
Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 28 / 36	Revision
Checked by				
Date	12/04/2022			

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Performed by		Page Revision 29 / 36		
Checked by				
Date				

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



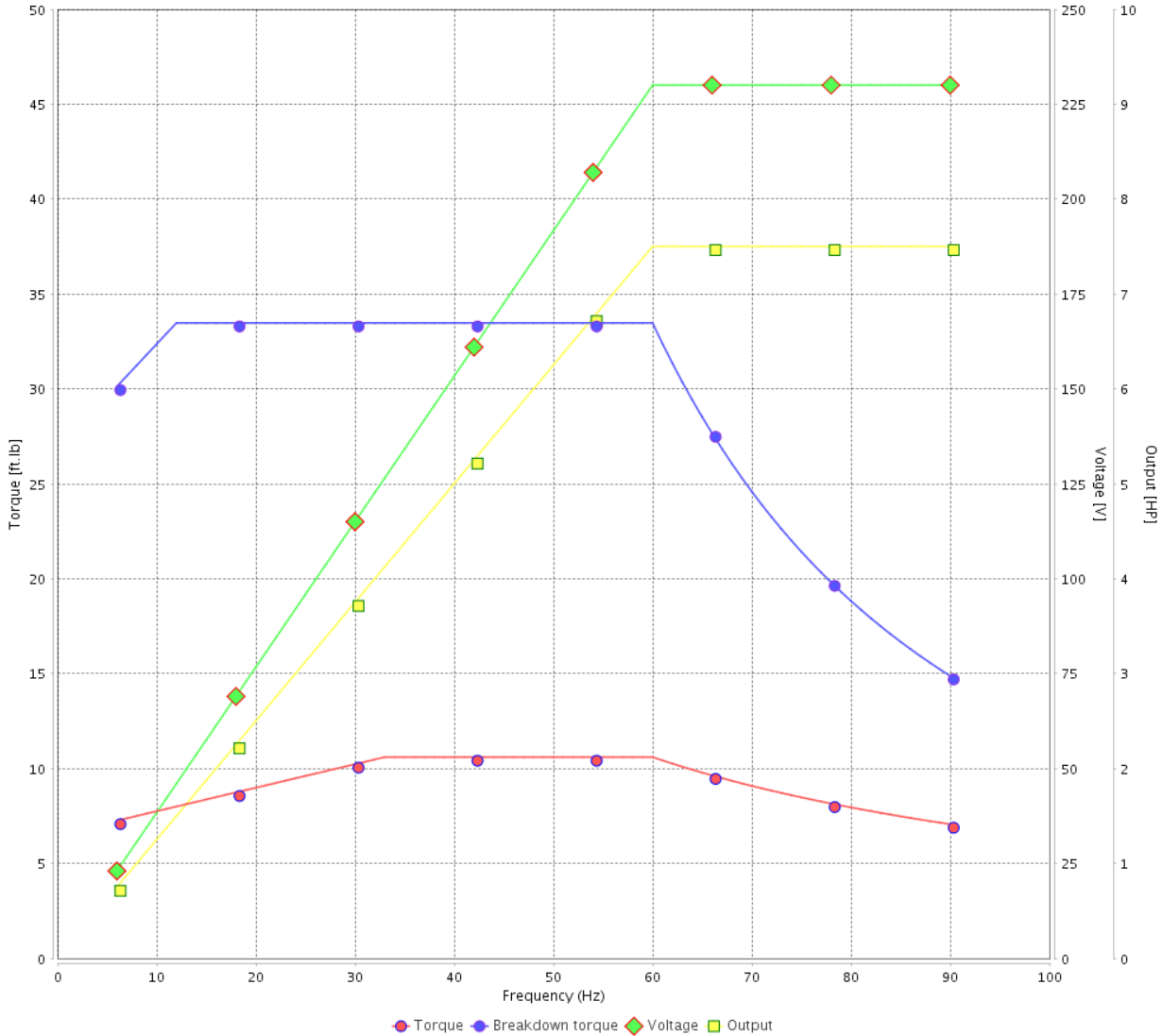
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22

VFD OPERATION CURVE



Performance : 230/460 V 60 Hz 2P

Rated current : 17.5/8.76 A
 LRC : 7.2
 Rated torque : 11.2 ft.lb
 Locked rotor torque : 210 %
 Breakdown torque : 300 %
 Rated speed : 3520 rpm

Moment of inertia (J) : 0.4665 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		Revision
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Date	12/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

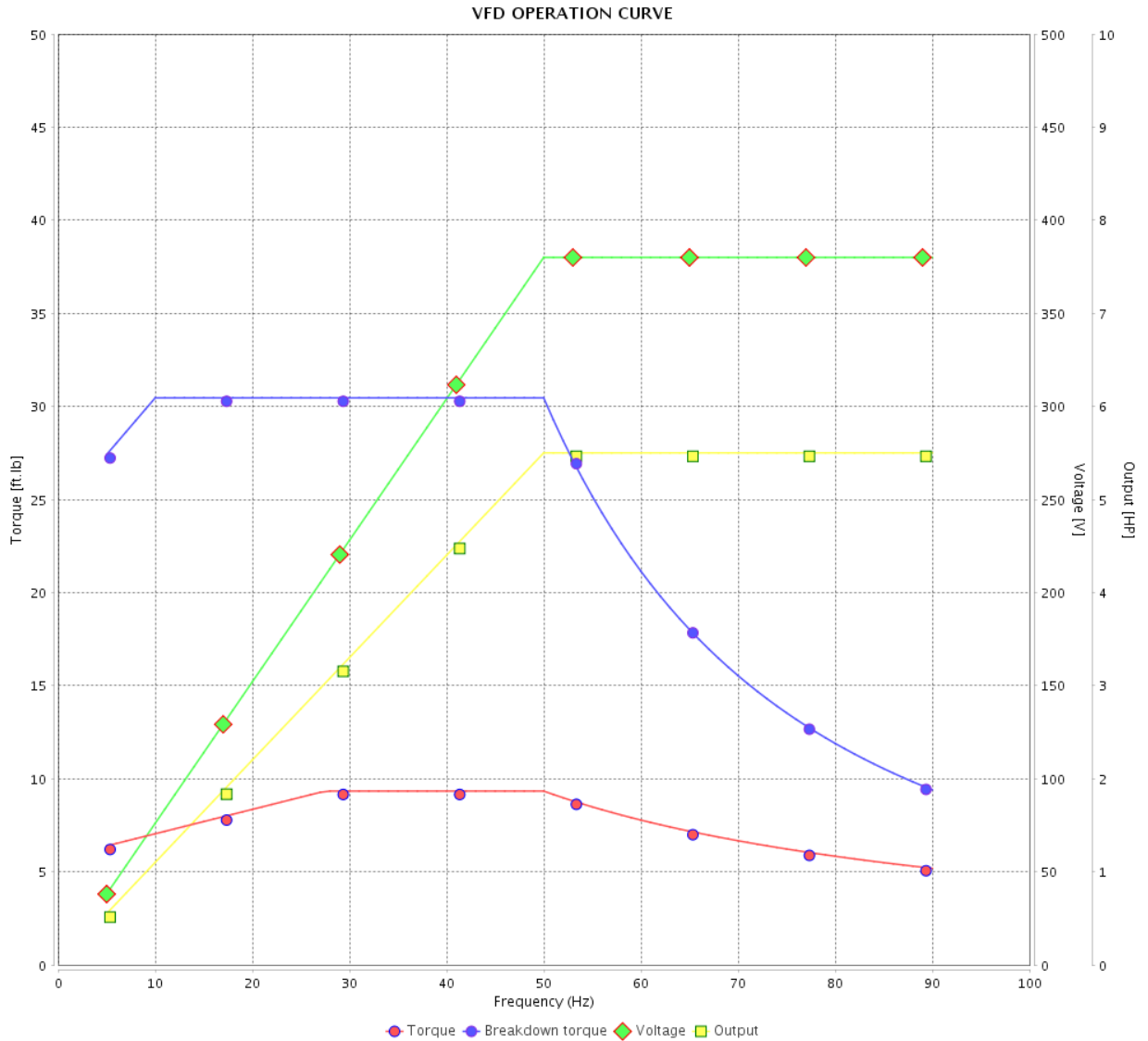


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22



Performance : 380 V 50 Hz 2P IE3

Rated current : 7.83 A
 LRC : 7.7
 Rated torque : 9.82 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 310 %
 Rated speed : 2930 rpm

Moment of inertia (J) : 0.4665 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



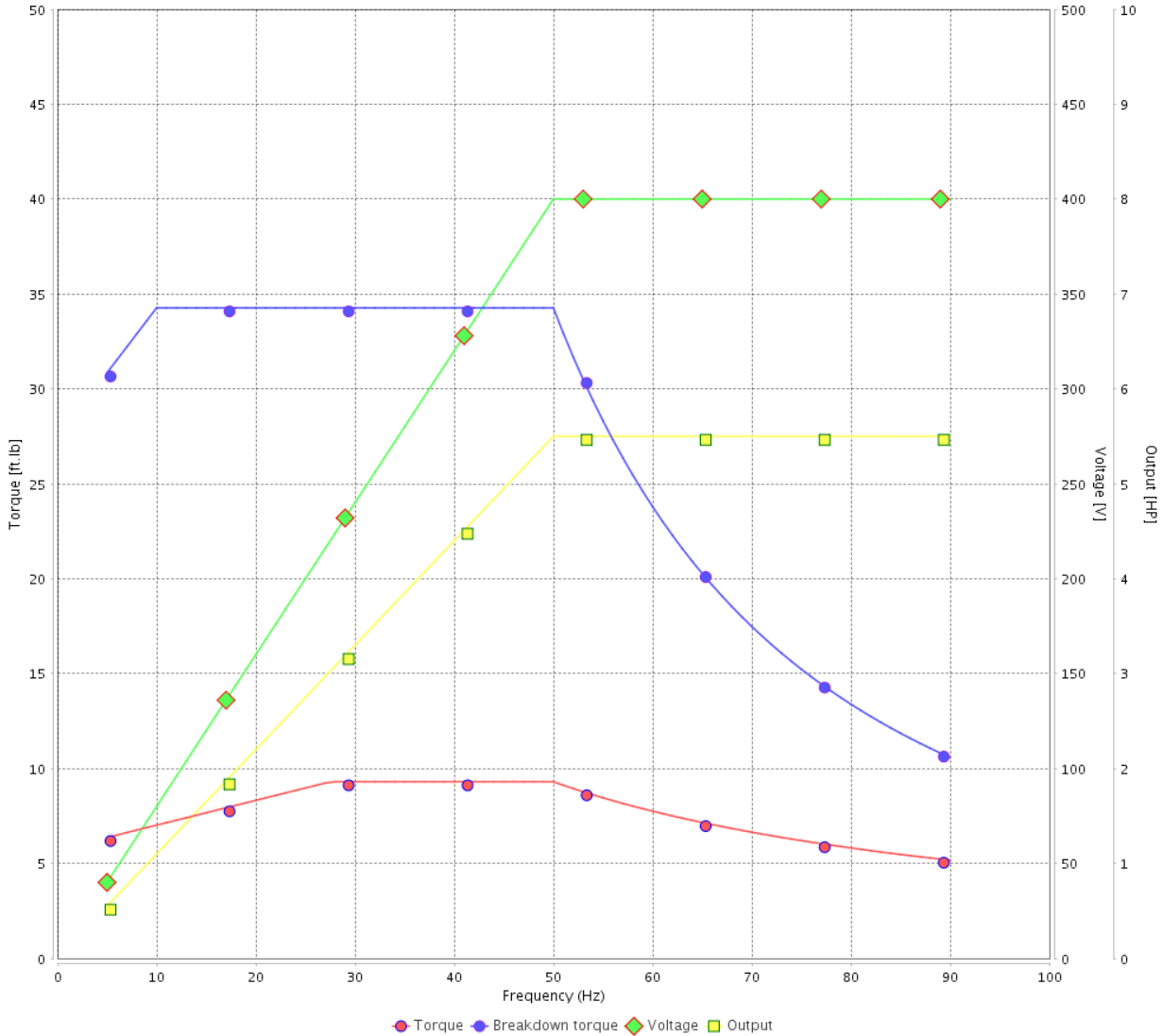
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22

VFD OPERATION CURVE



Performance : 400 V 50 Hz 2P IE3

Rated current : 7.60 A
 LRC : 7.6
 Rated torque : 9.79 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 350 %
 Rated speed : 2940 rpm

Moment of inertia (J) : 0.4665 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

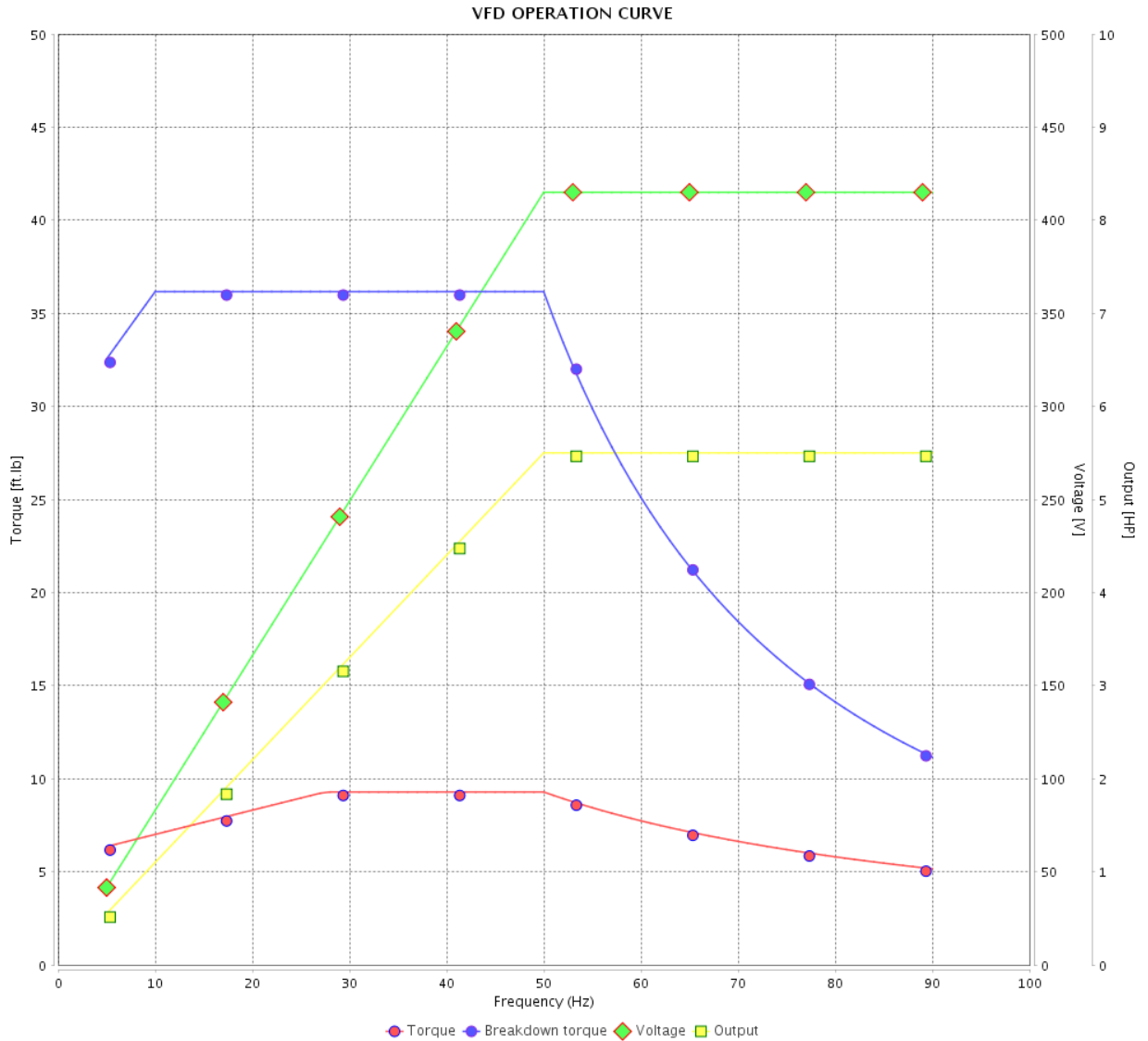


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22



Performance : 415 V 50 Hz 2P IE3

Rated current : 7.49 A
 LRC : 8.3
 Rated torque : 9.77 ft.lb
 Locked rotor torque : 270 %
 Breakdown torque : 370 %
 Rated speed : 2945 rpm

Moment of inertia (J) : 0.4665 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



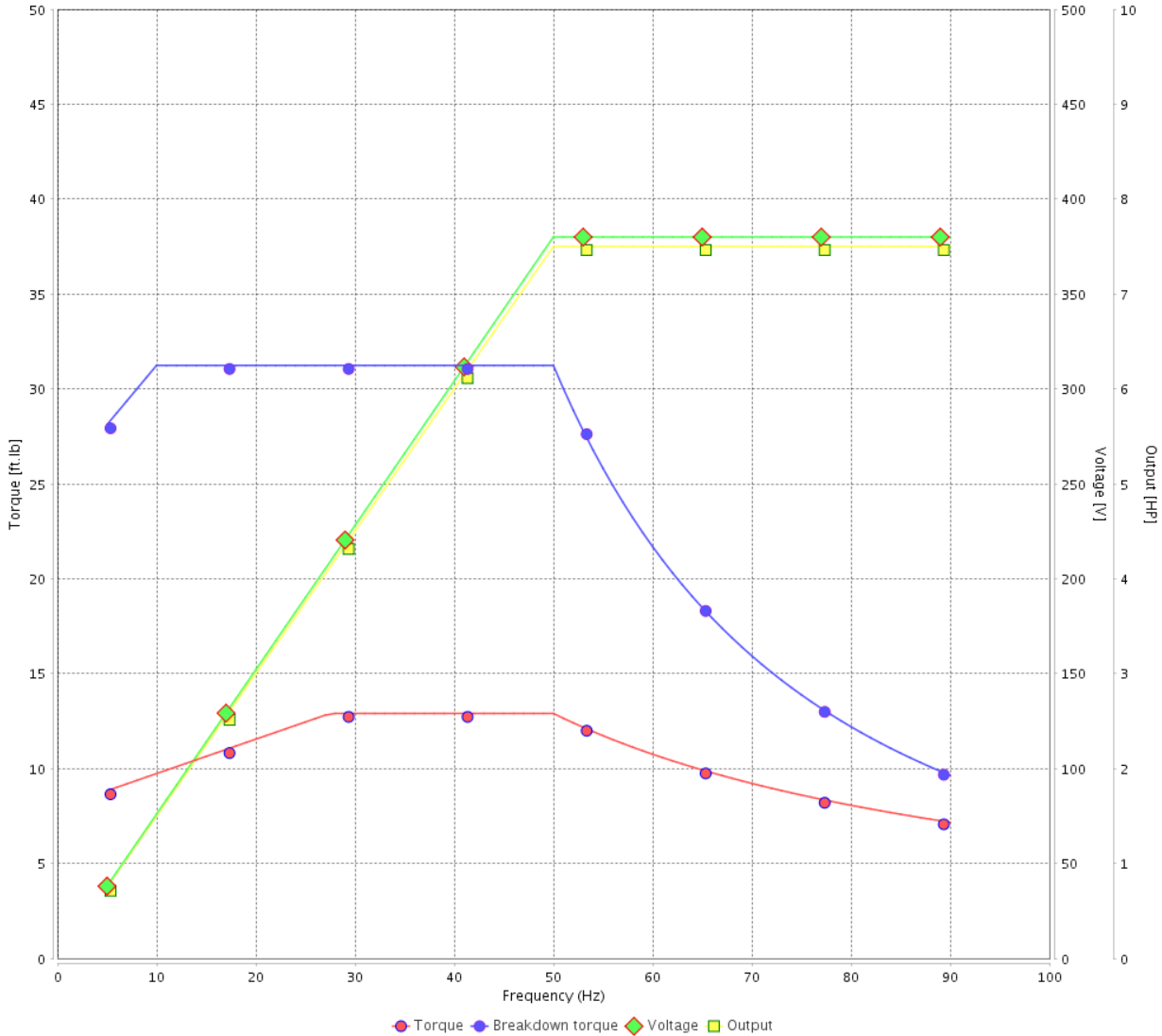
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22

VFD OPERATION CURVE



Performance : 380 V 50 Hz 2P IE2

Rated current : 10.6 A
 LRC : 5.7
 Rated torque : 13.6 ft.lb
 Locked rotor torque : 170 %
 Breakdown torque : 229 %
 Rated speed : 2895 rpm

Moment of inertia (J) : 0.4665 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

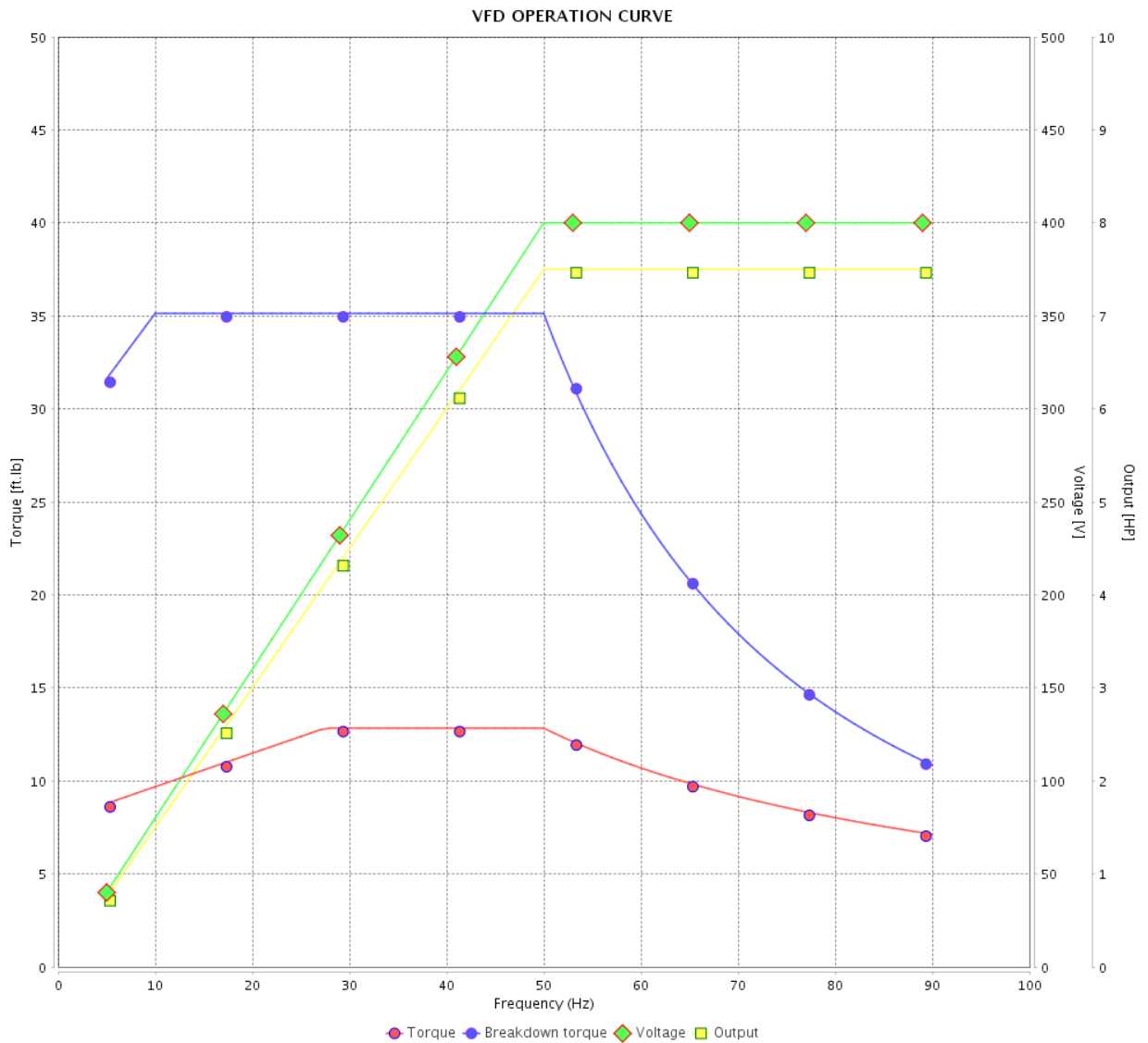


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22



Performance : 400 V 50 Hz 2P IE2

Rated current : 10.2 A
 LRC : 6.4
 Rated torque : 13.5 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 260 %
 Rated speed : 2905 rpm

Moment of inertia (J) : 0.4665 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 35 / 36
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Date	12/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



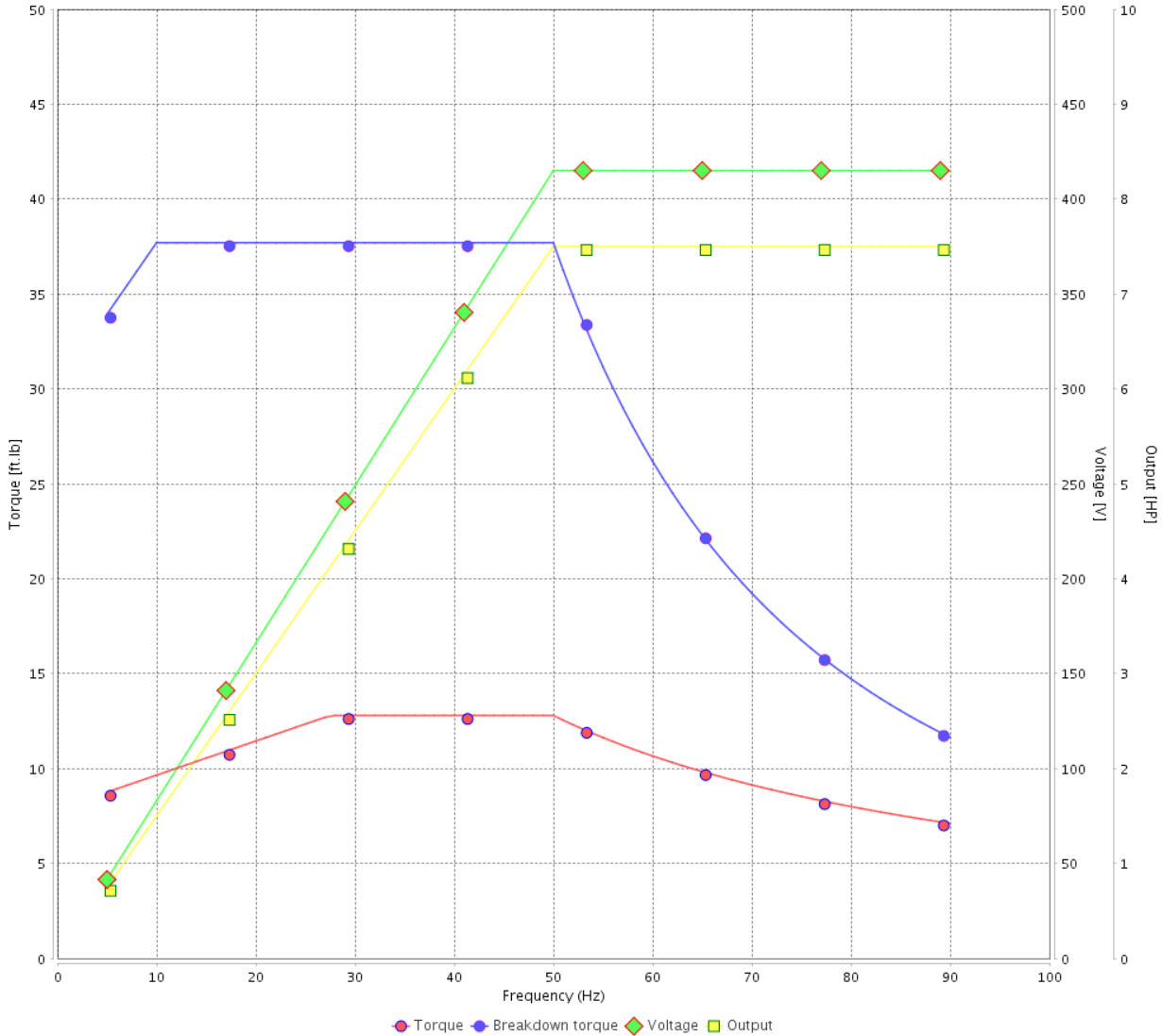
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Product line : NEMA Premium Efficiency Three-Phase

Product code : 12446714

Catalog # : 00736ET3E213TC-W22

VFD OPERATION CURVE

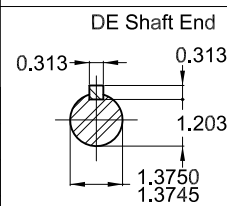
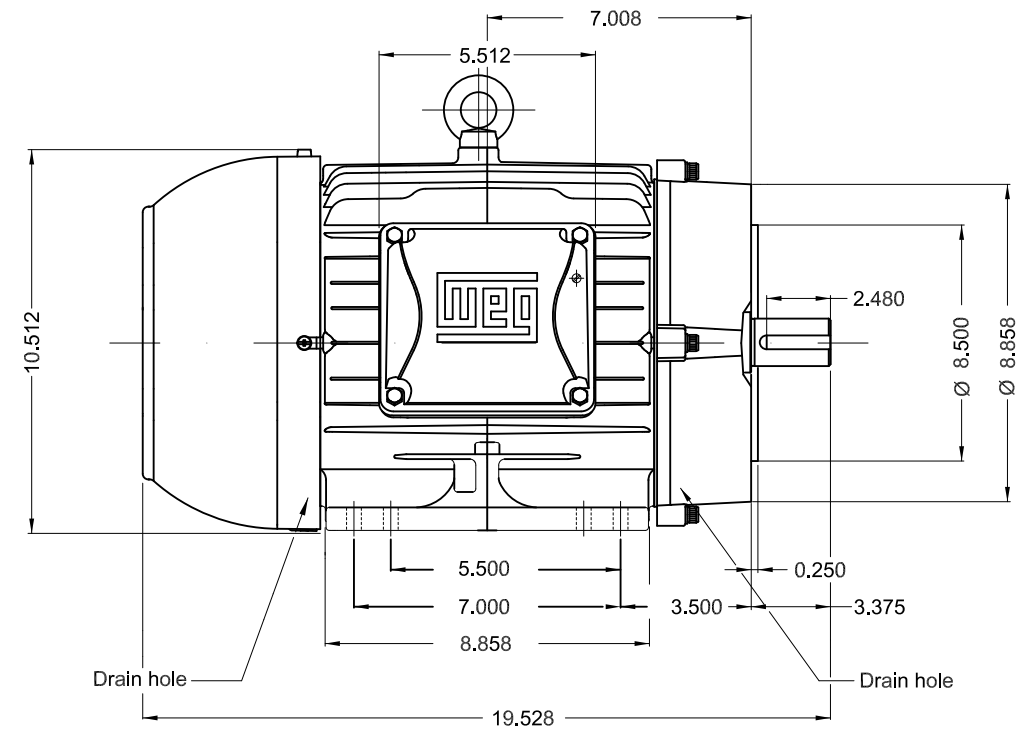
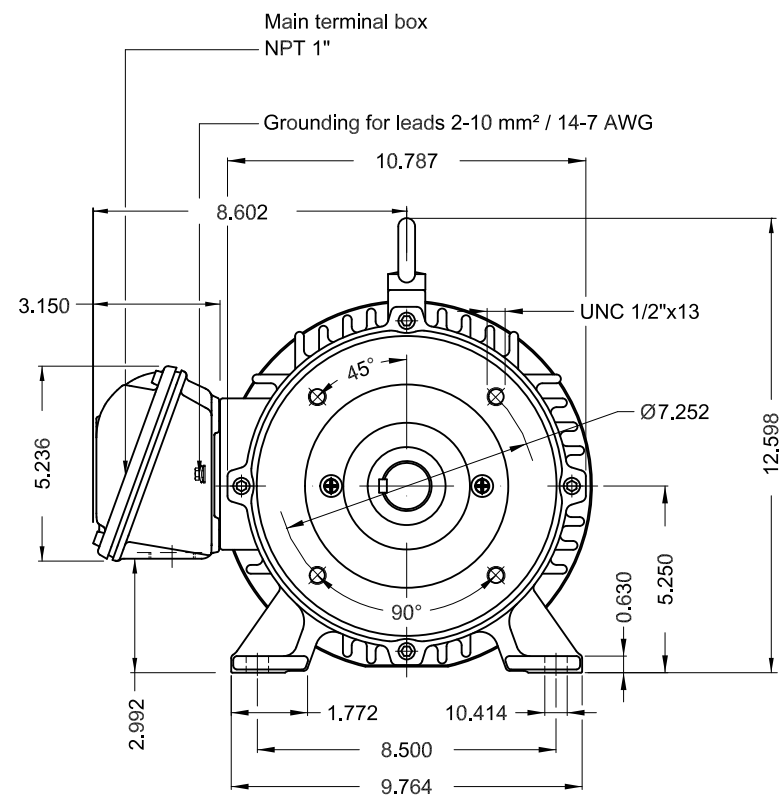


Performance : 415 V 50 Hz 2P IE2

Rated current : 9.82 A
 LRC : 6.9
 Rated torque : 13.5 ft.lb
 Locked rotor torque : 210 %
 Breakdown torque : 280 %
 Rated speed : 2915 rpm

Moment of inertia (J) : 0.4665 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
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Bearing cap
 Color RAL 5009
 Painting plan 207A
 Mounting B34R(D)

7.5 HP 02 Poles 60 Hz A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER	THREE PH. MOTOR W22 PREM. EFF. FRAME 213/5TC IP55 TEFC					
CHECKED							
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1		

PREVIEW
 WDD



MADE IN BRAZIL
12446714



W22

MODEL 00736ET3E213TC-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. 213/5TC 1000m.a.s.l. IP55 TEFC 163lb

V 230/460

A 17.5/8.76

HP 7.5

kW 5.5

SF 1.25

SFA 21.9/10.9

RPM 3530

PF 0.88

AMB 40°C

INS cl. F DT80K

NEMA NOM EFF 89.5%

DUTY CONT.

DES B Code H

USABLE @208V 19.4A SF 1.15 SFA 22.3

7.5HP 5.5kW 50Hz 380V 10.6A 2900RPM SF 1.25 SFA 13.3 EFF 87.5% (IE2)

