

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :								
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12598761					
		Catalog # :	00736ET3E213JM-W22					
Frame	: 213/5JM	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	: 163 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	2.84	3.05	3.22	2.70	2.90	3.30	
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%	87.2	86.4	86.1	85.8	89.1	87.3	87.2
	50%	87.5	86.7	86.4	86.1	88.5	87.5	87.5
	75%	89.5	88.2	88.3	88.5	88.5	87.5	88.5
	100%	89.5	88.2	88.3	88.5	87.5	87.5	88.5
Power Factor	25%	0.52	0.48	0.45	0.42	0.57	0.54	0.50
	50%	0.75	0.74	0.70	0.67	0.80	0.77	0.74
	75%	0.84	0.83	0.81	0.78	0.87	0.86	0.84
	100%	0.88	0.88	0.86	0.84	0.90	0.89	0.88
Bearing type	: Drive end : 6309 Z C3	Non drive end : 6207 ZZ	Foundation loads					
Sealing	: V'Ring	V'Ring	Max. traction	: 131 lb				
Lubrication interval	: 19000 h	40000 h	Max. compression	: 295 lb				
Lubricant amount	: 13 g	0 g						
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



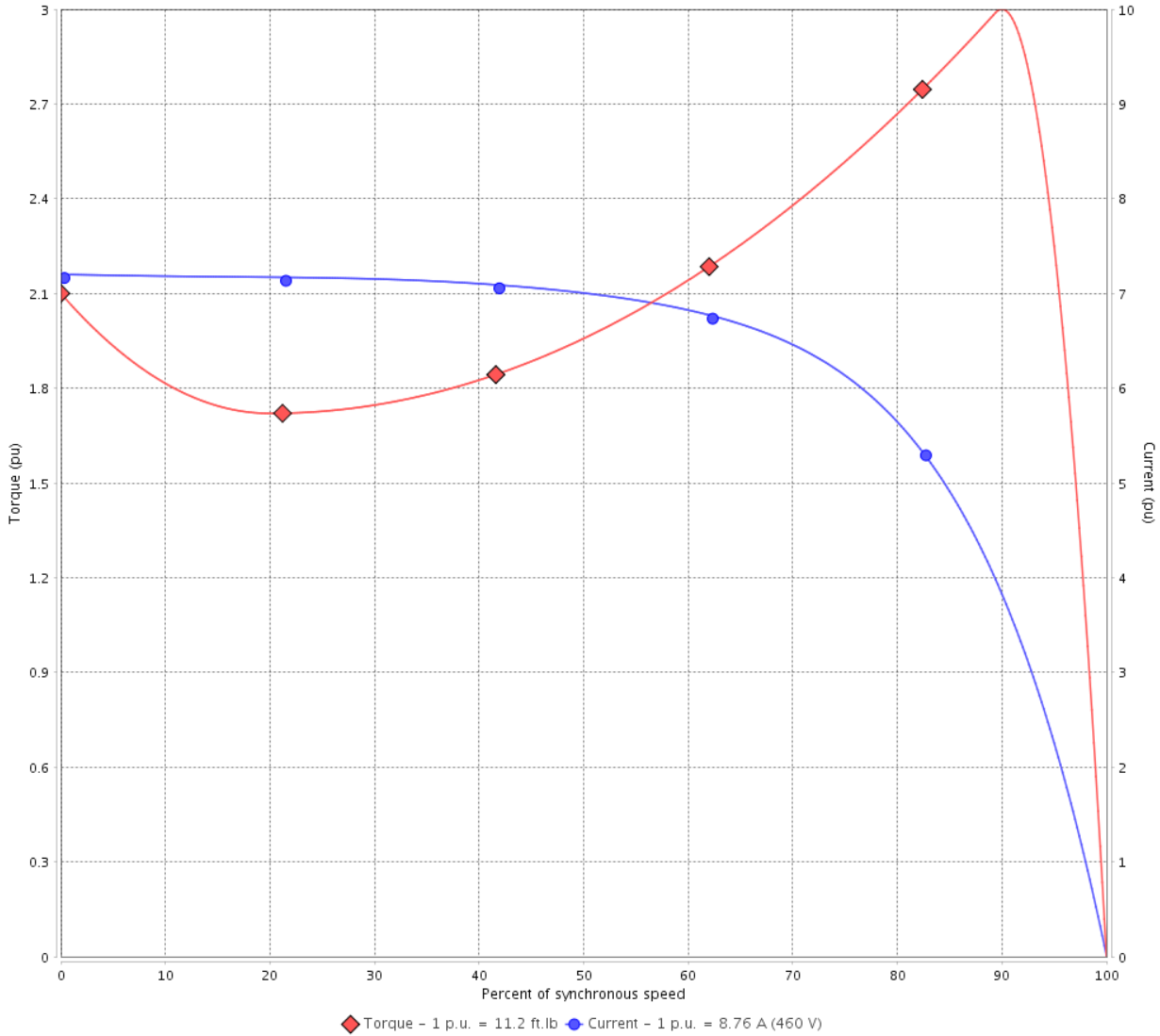
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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



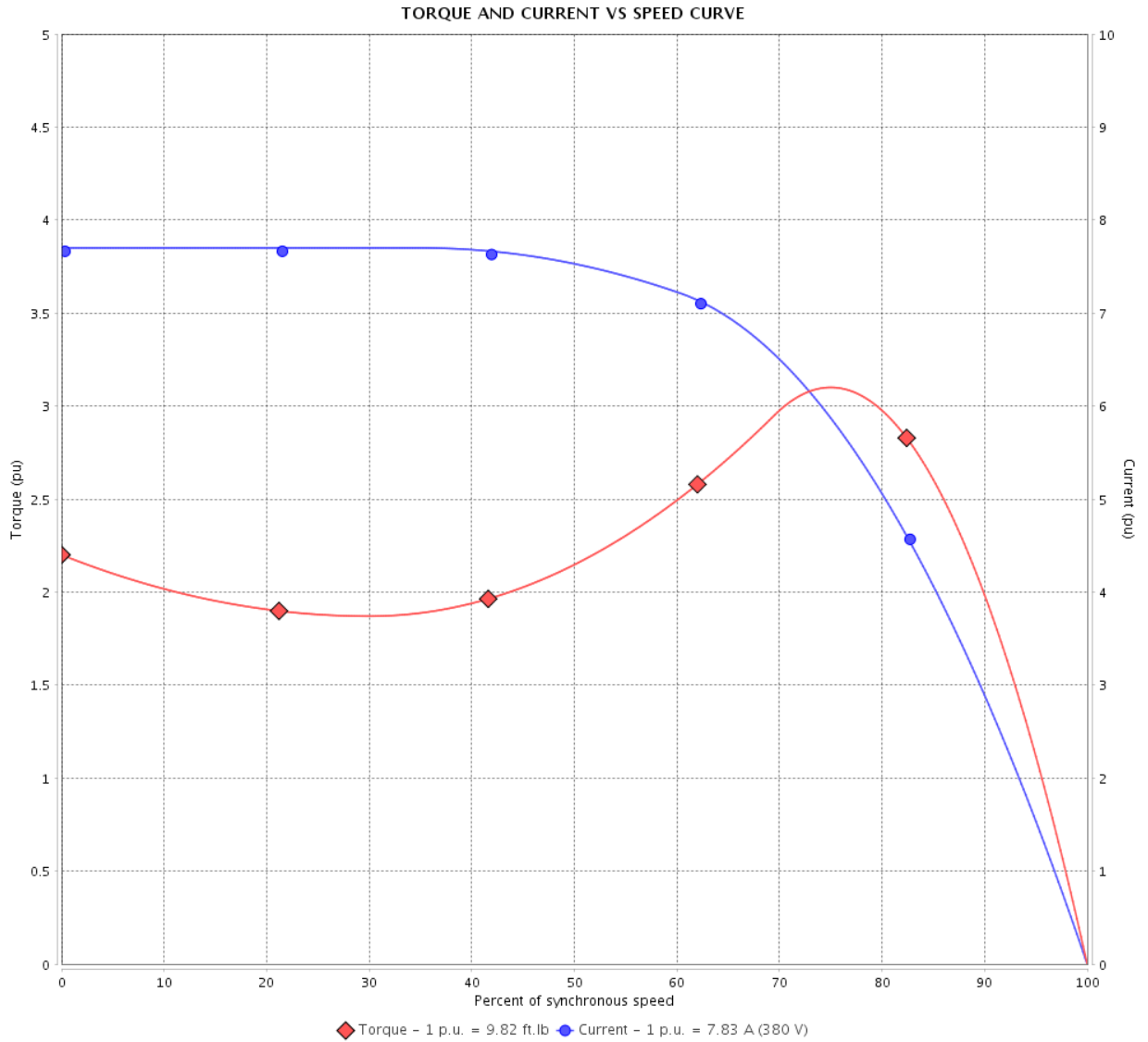
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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

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

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



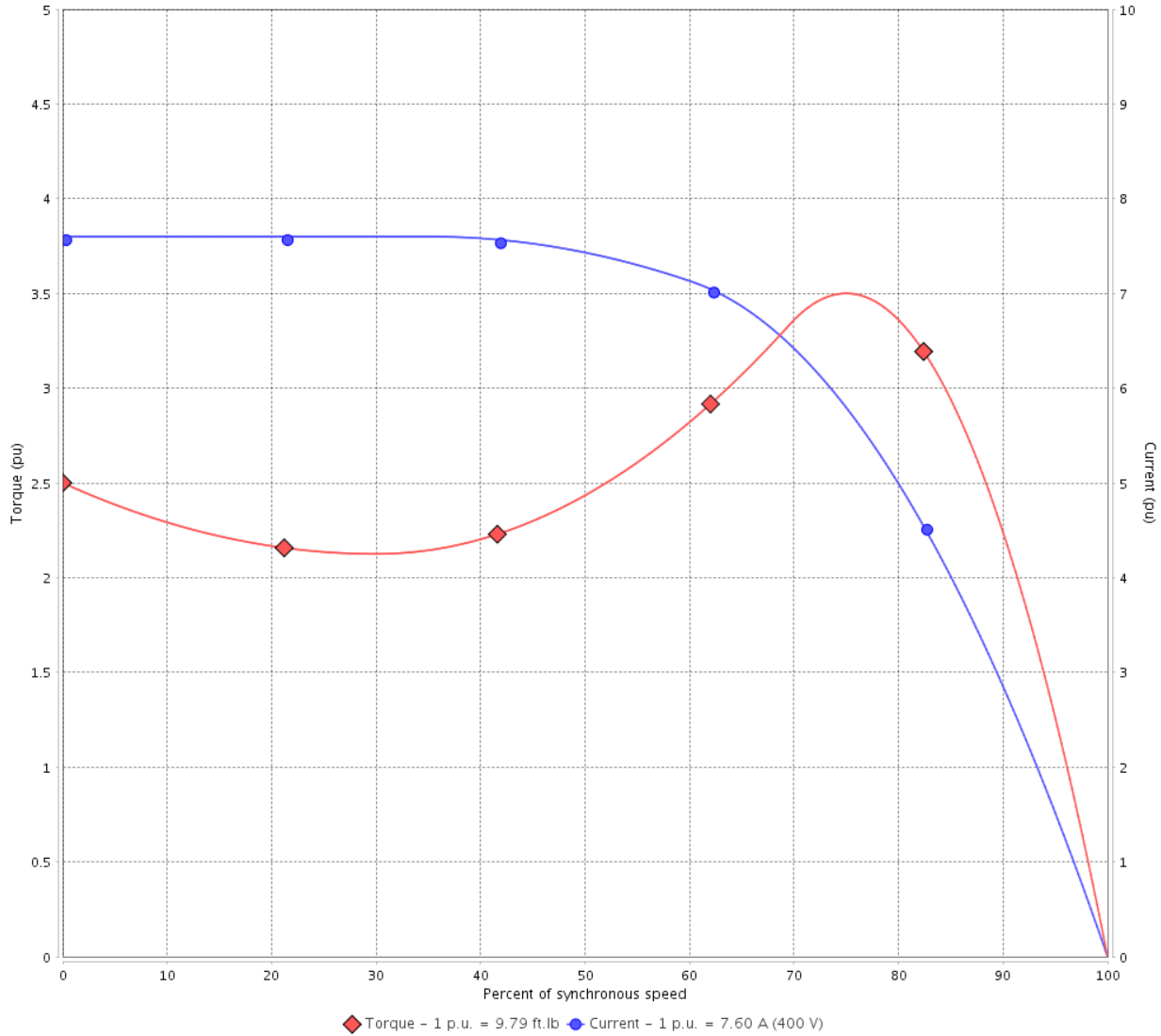
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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



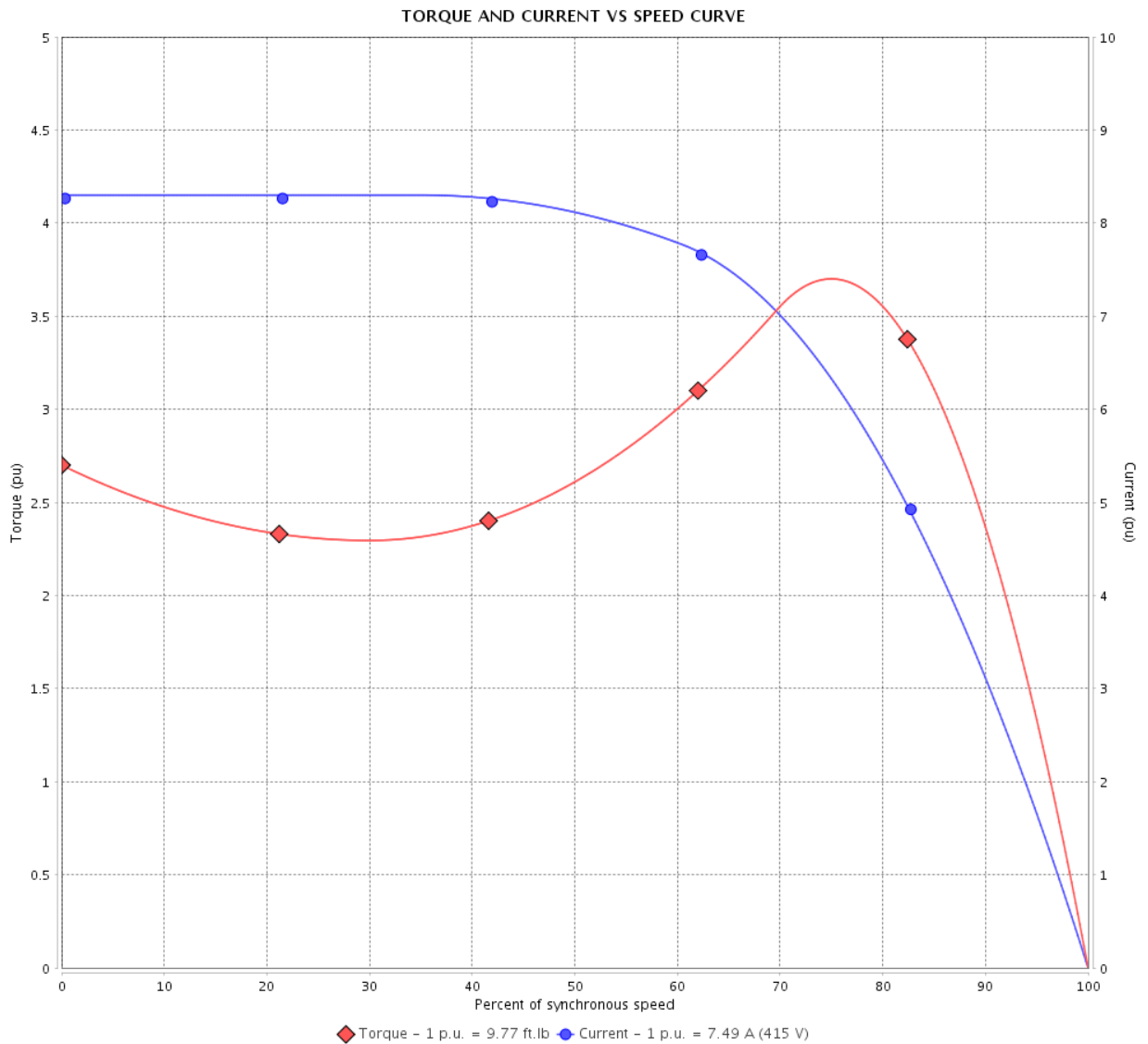
Three Phase Induction Motor - Squirrel Cage

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Product code : 12598761

Catalog # : 00736ET3E213JM-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

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

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



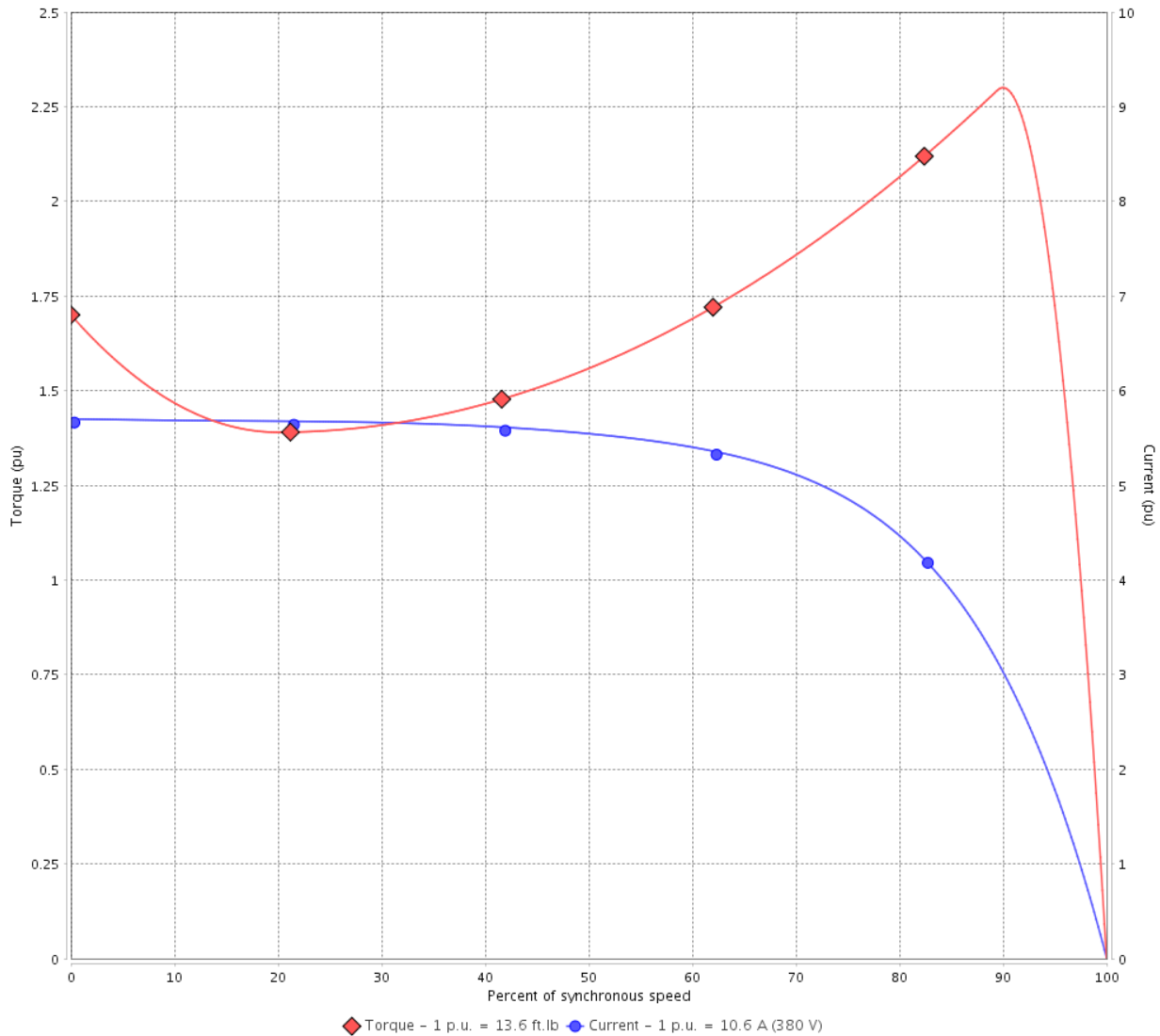
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Product code : 12598761

Catalog # : 00736ET3E213JM-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



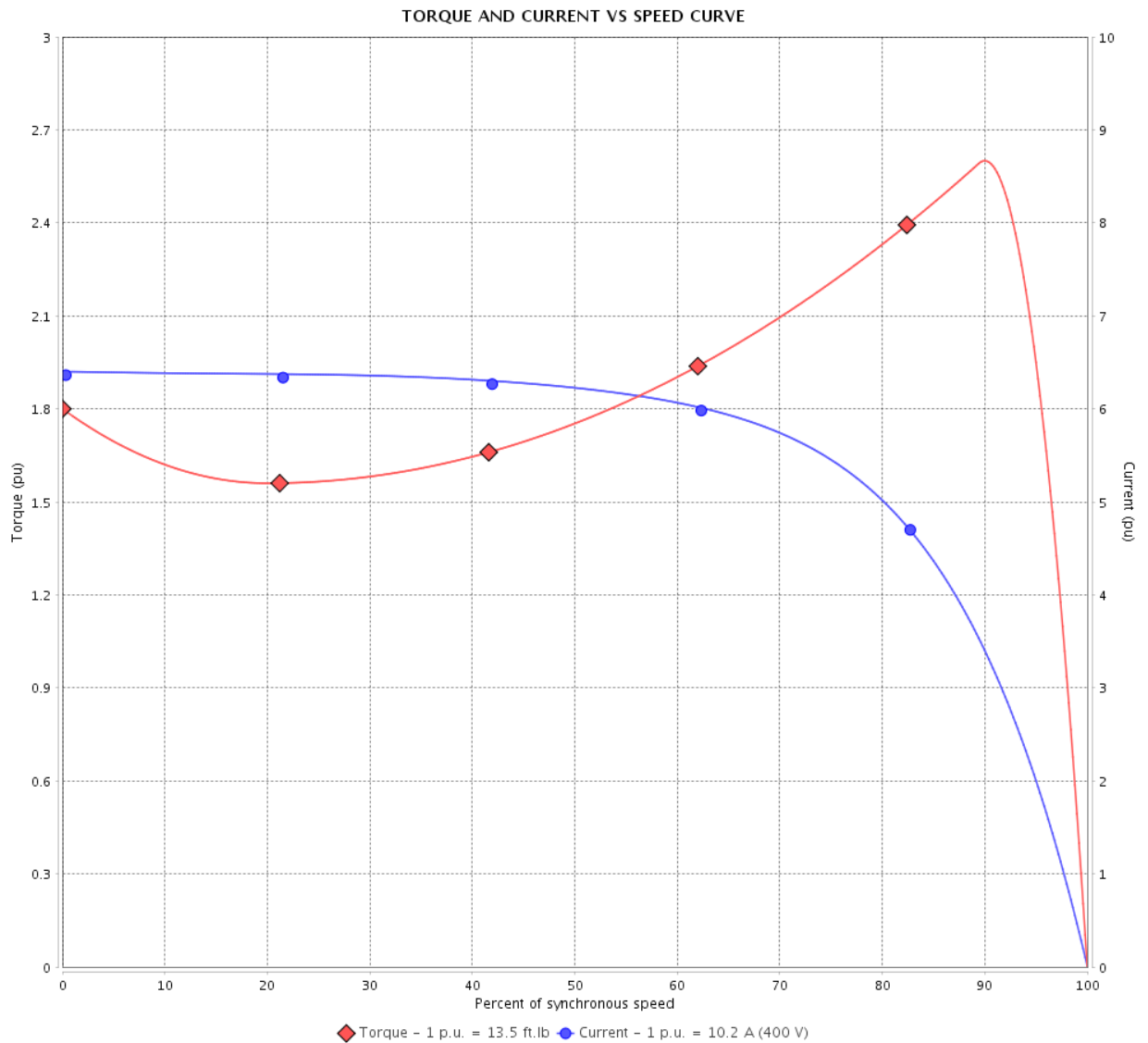
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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



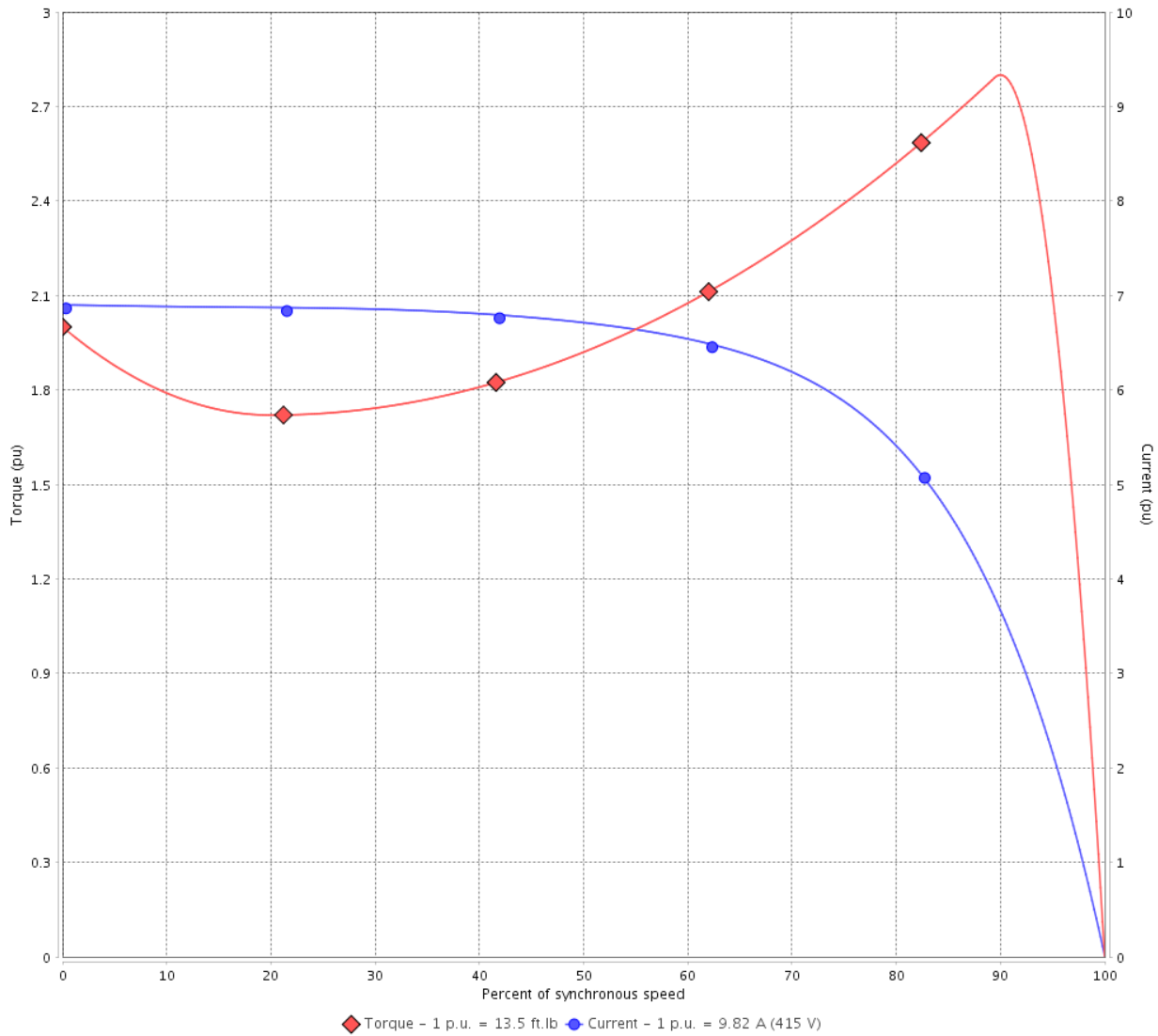
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Product line : NEMA Premium Efficiency Three-Phase

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Catalog # : 00736ET3E213JM-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

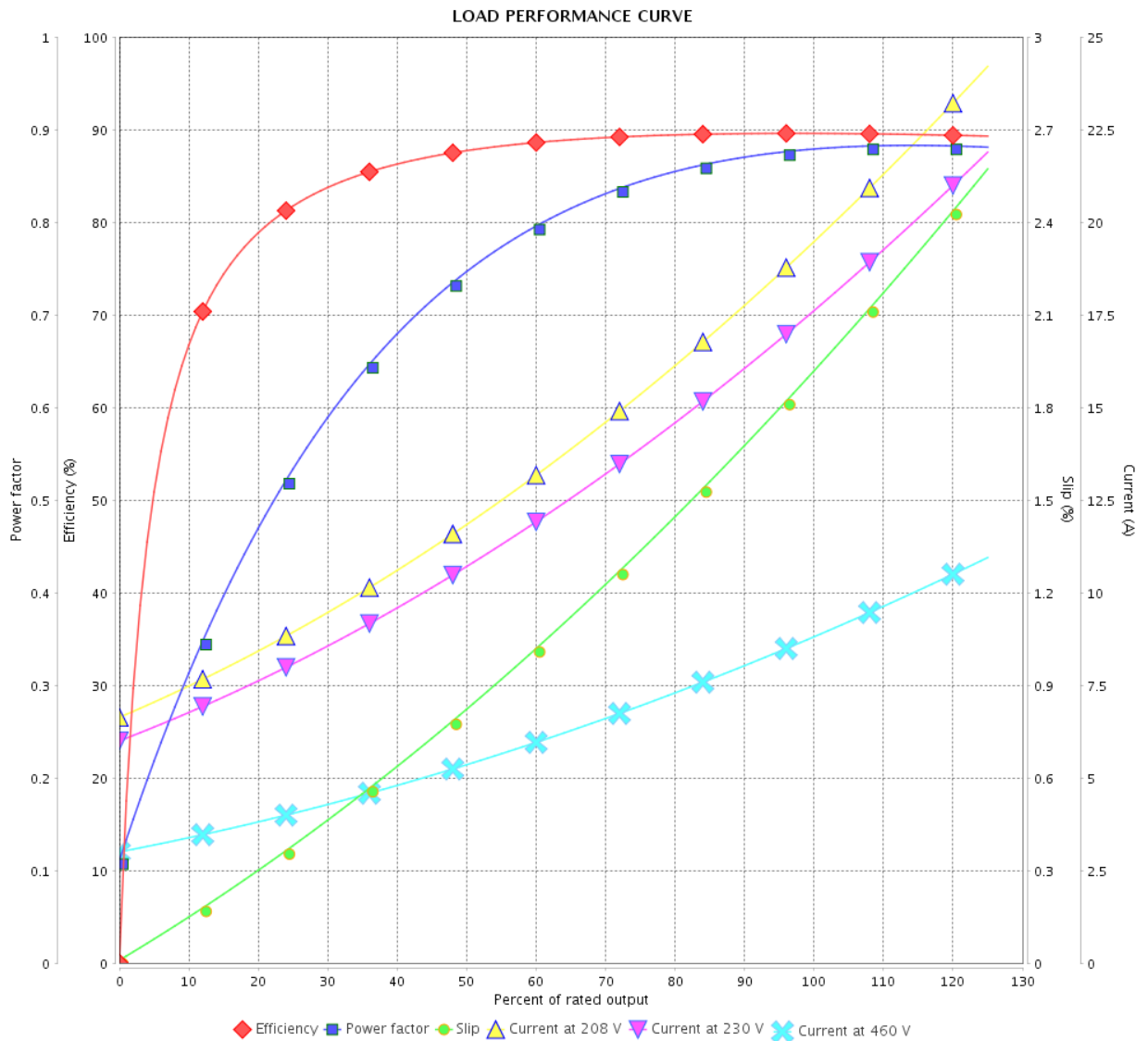


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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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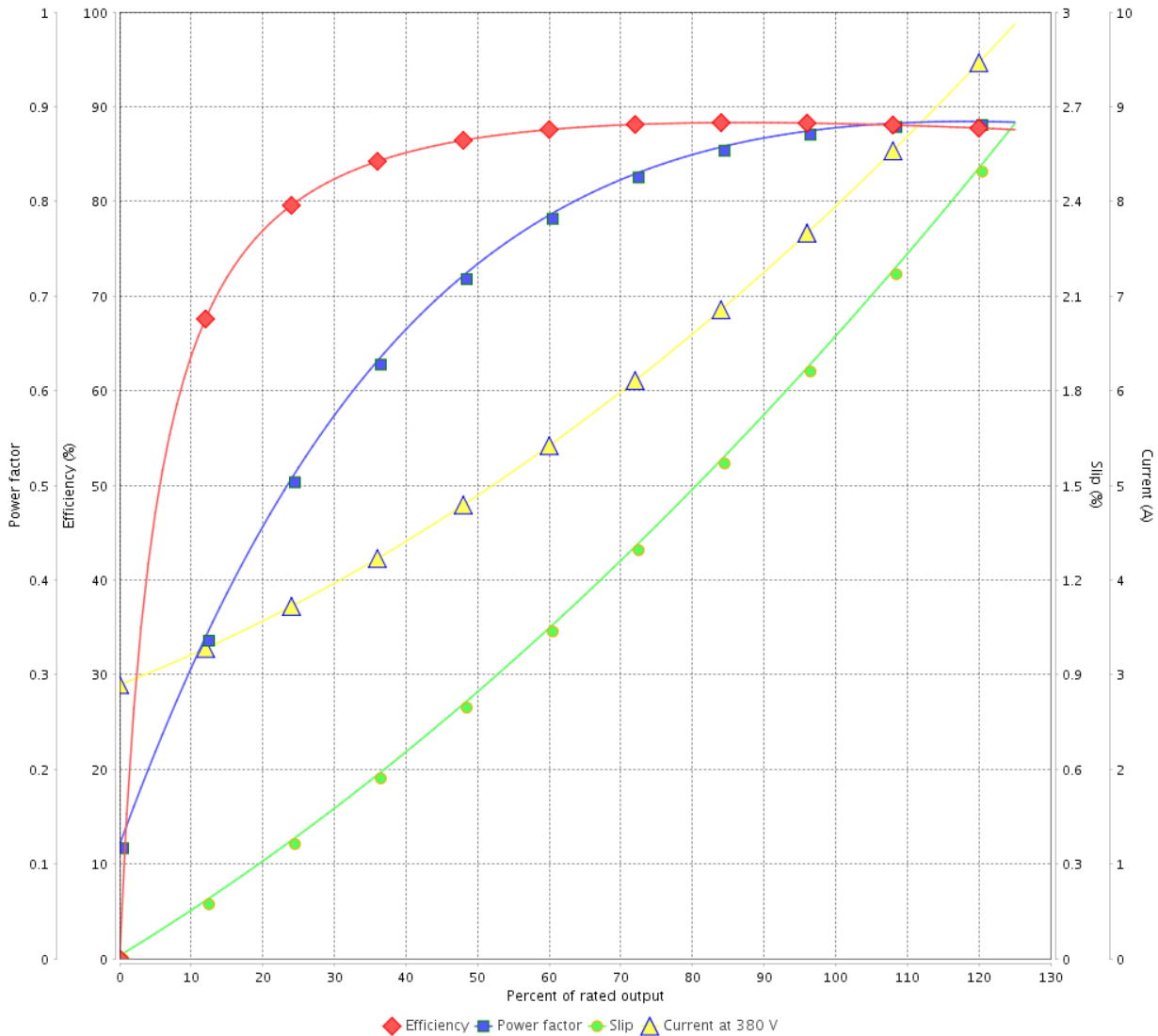
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 12598761
 Catalog # : 00736ET3E213JM-W22

LOAD PERFORMANCE CURVE



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

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Three Phase Induction Motor - Squirrel Cage

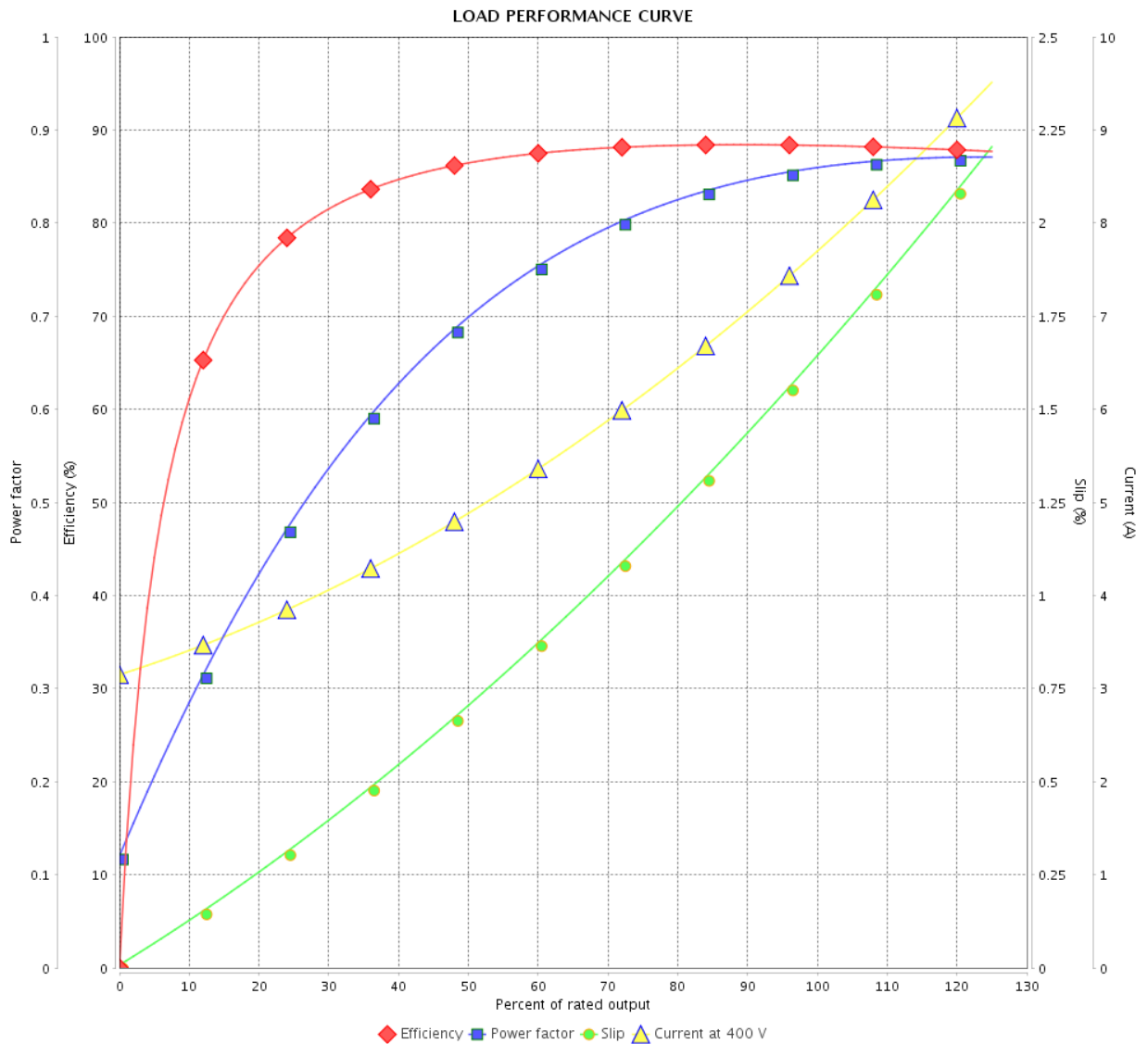


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Product code : 12598761

Catalog # : 00736ET3E213JM-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



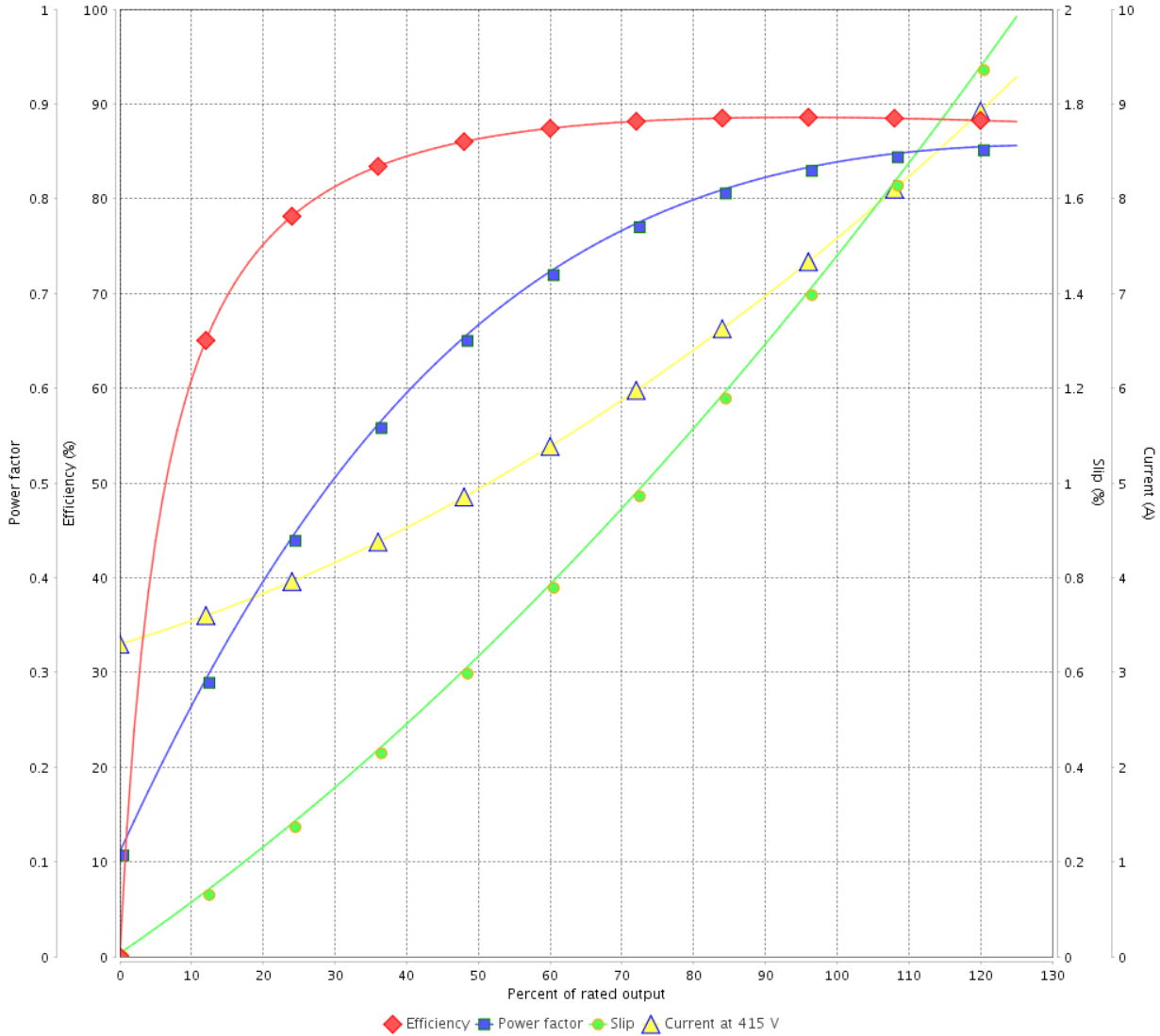
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-W22

LOAD PERFORMANCE CURVE



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

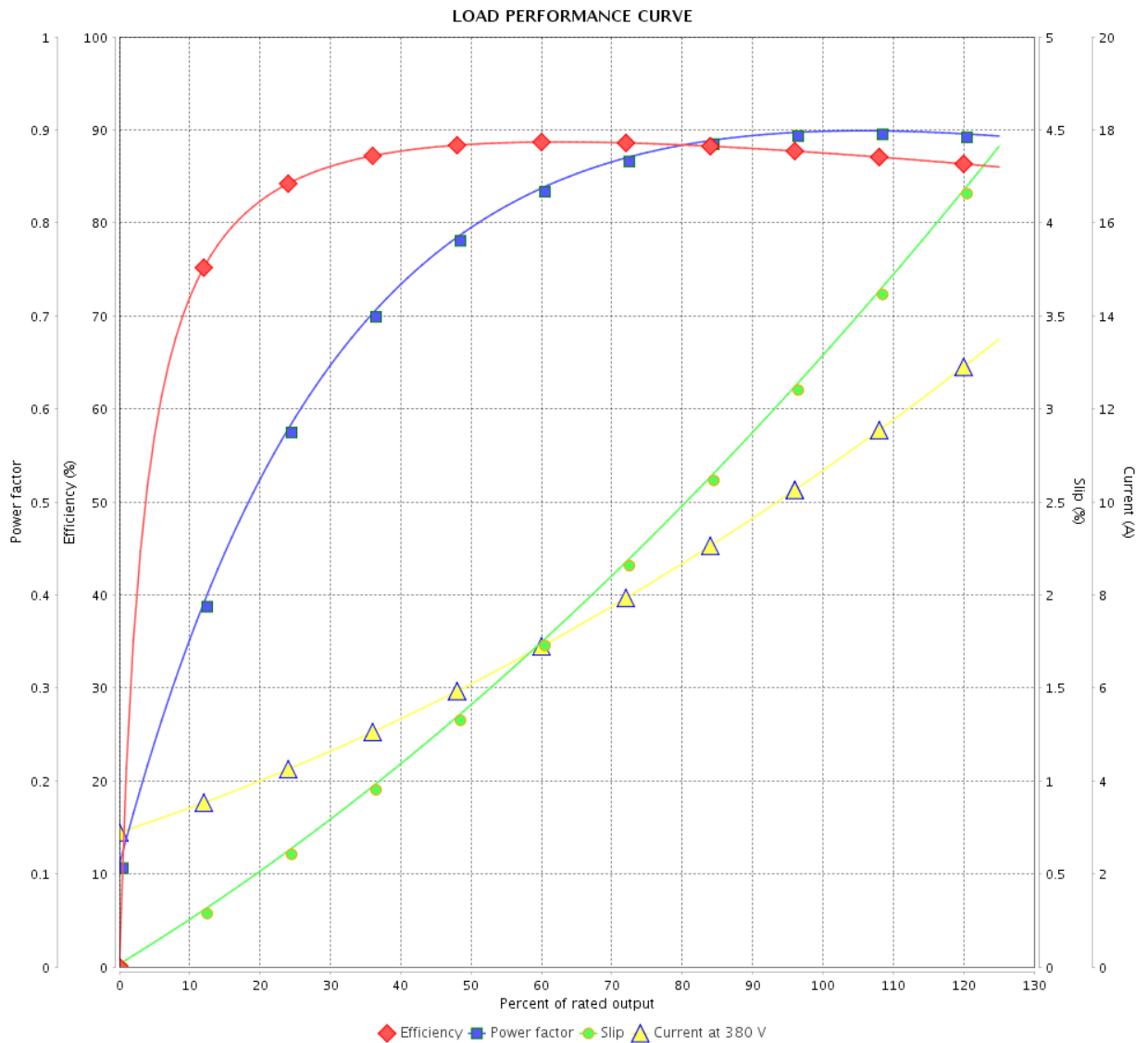


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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



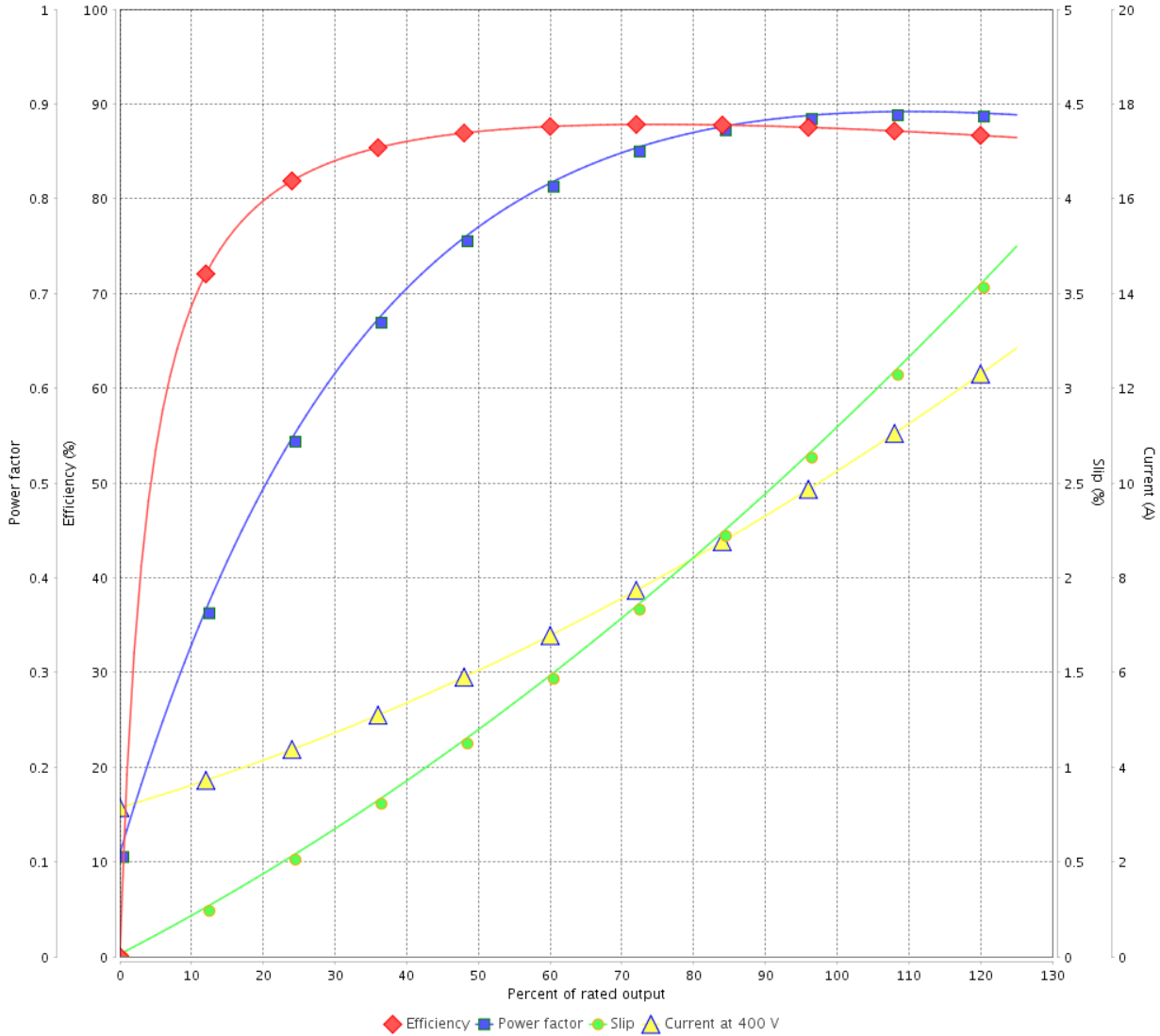
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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

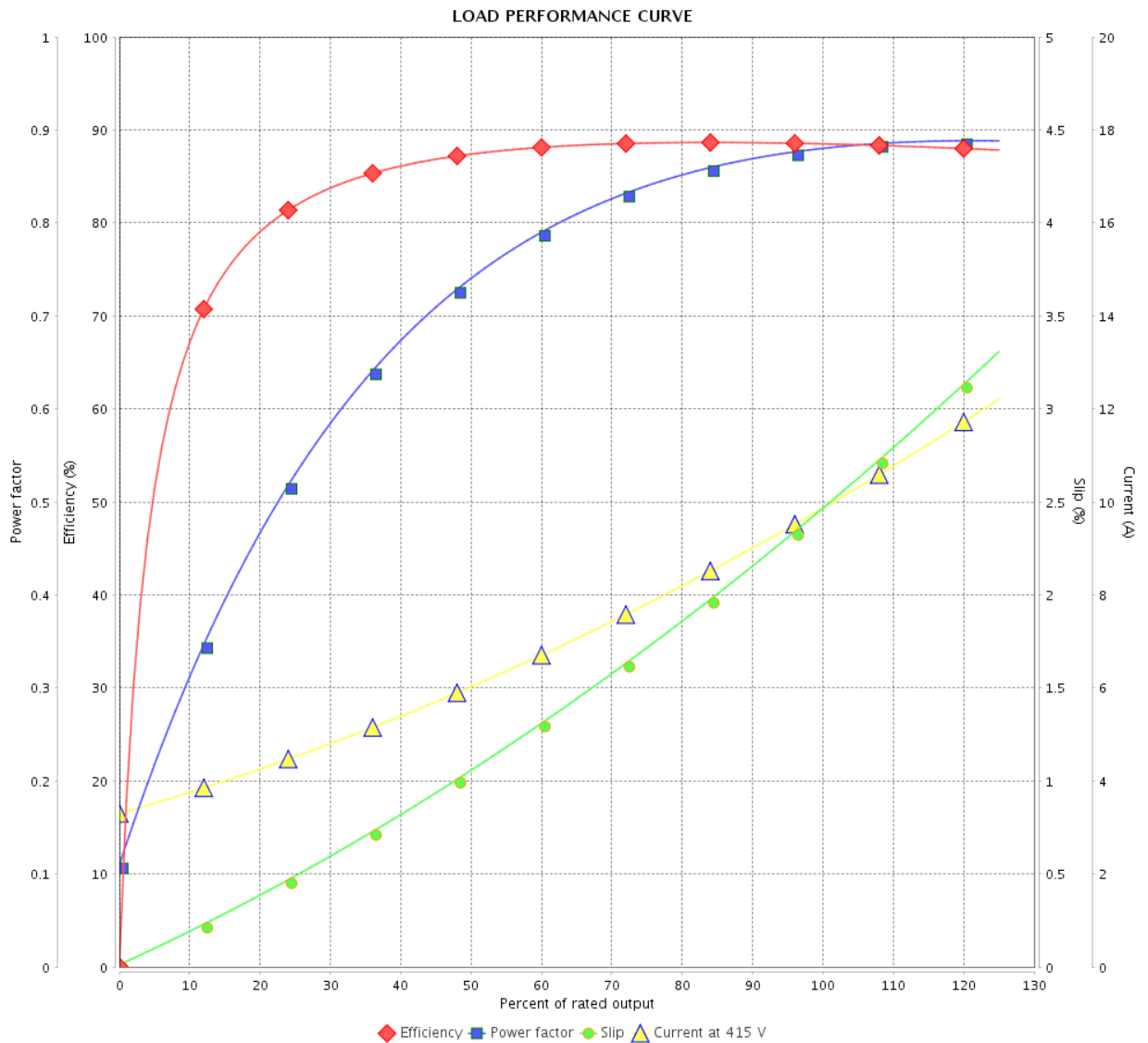


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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 : 12598761
 Catalog # : 00736ET3E213JM-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

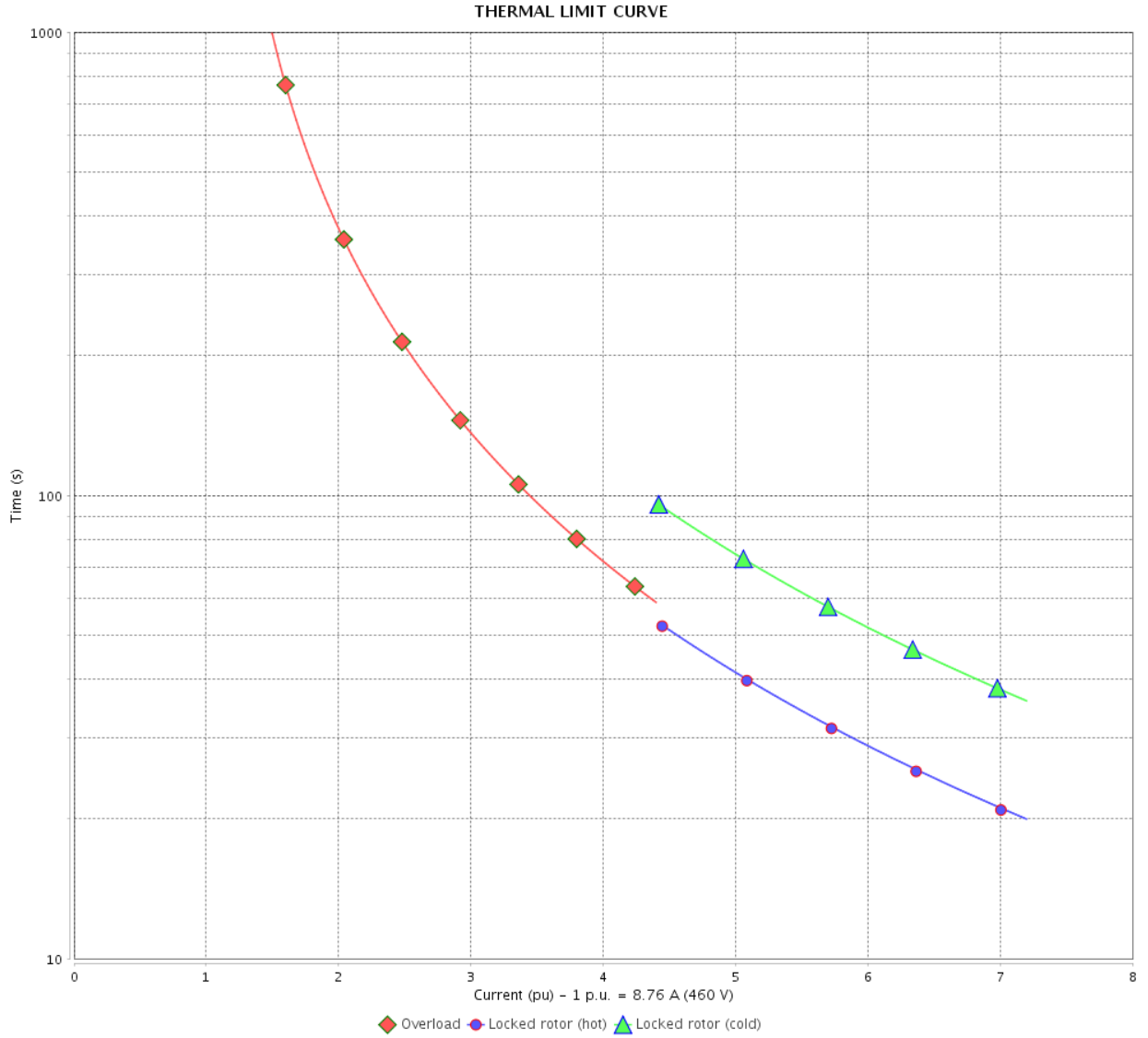
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Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

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Product code : 12598761
Catalog # : 00736ET3E213JM-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

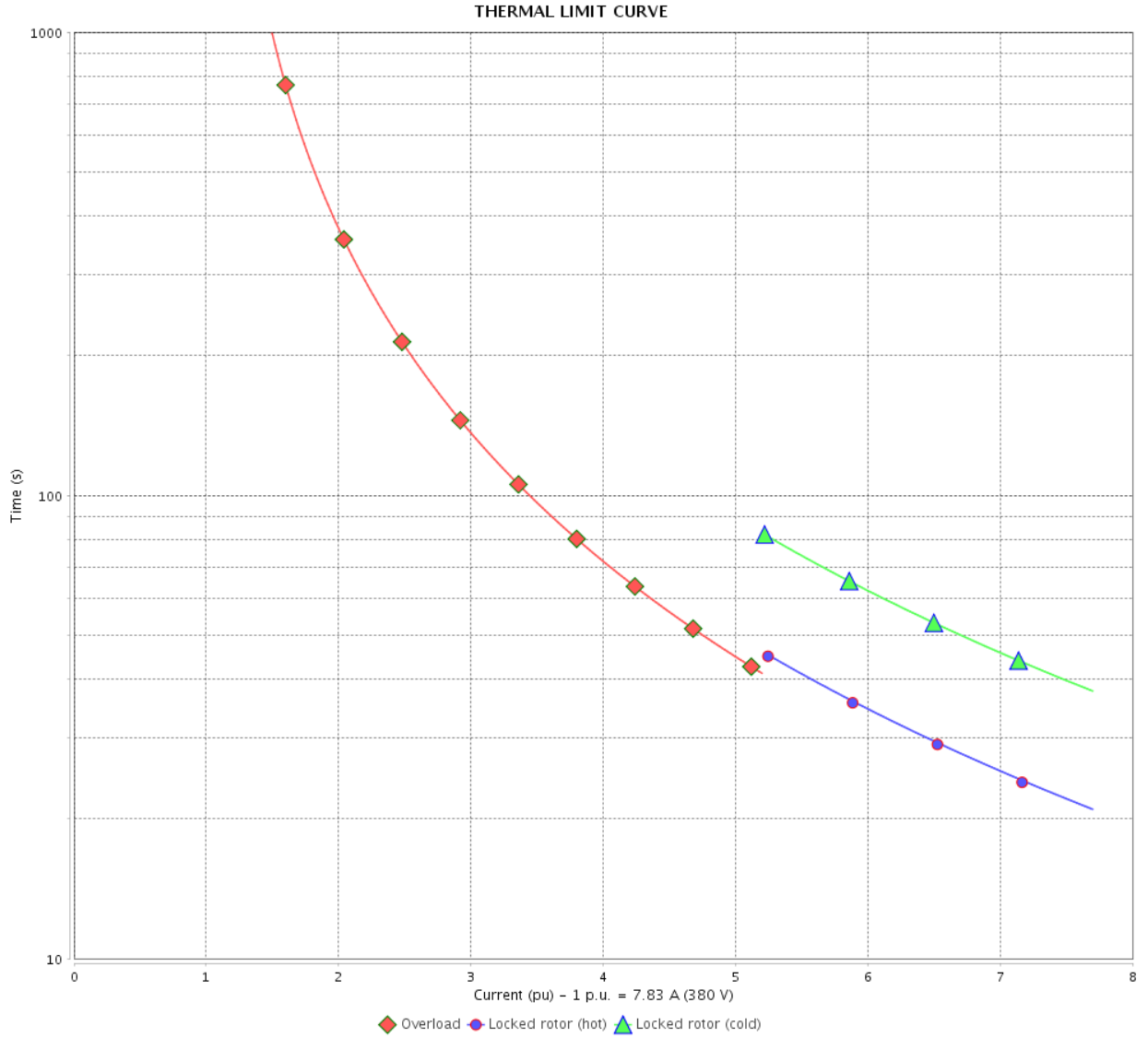
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Three Phase Induction Motor - Squirrel Cage



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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

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Product code : 12598761
Catalog # : 00736ET3E213JM-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

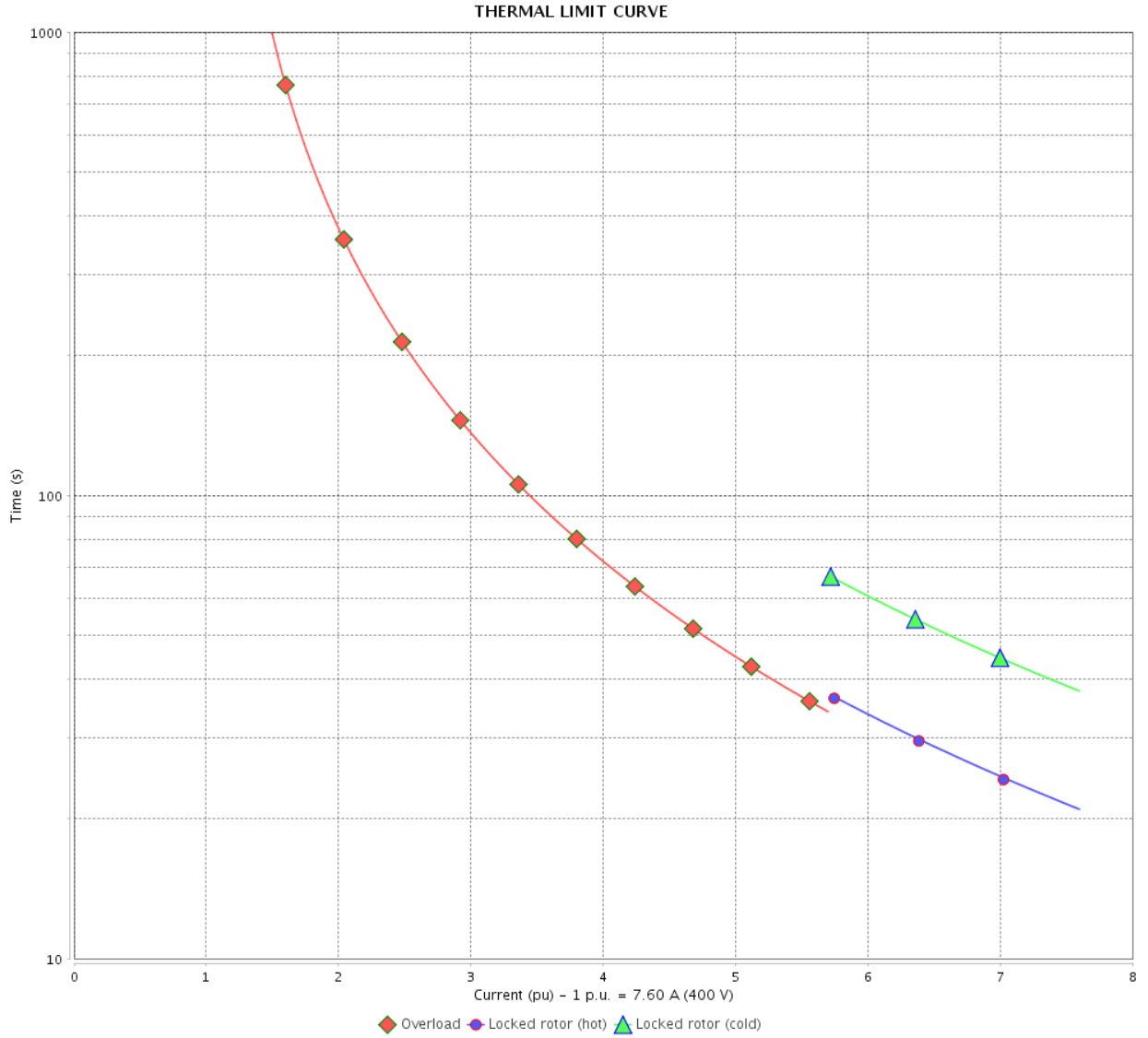
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Product code : 12598761
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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

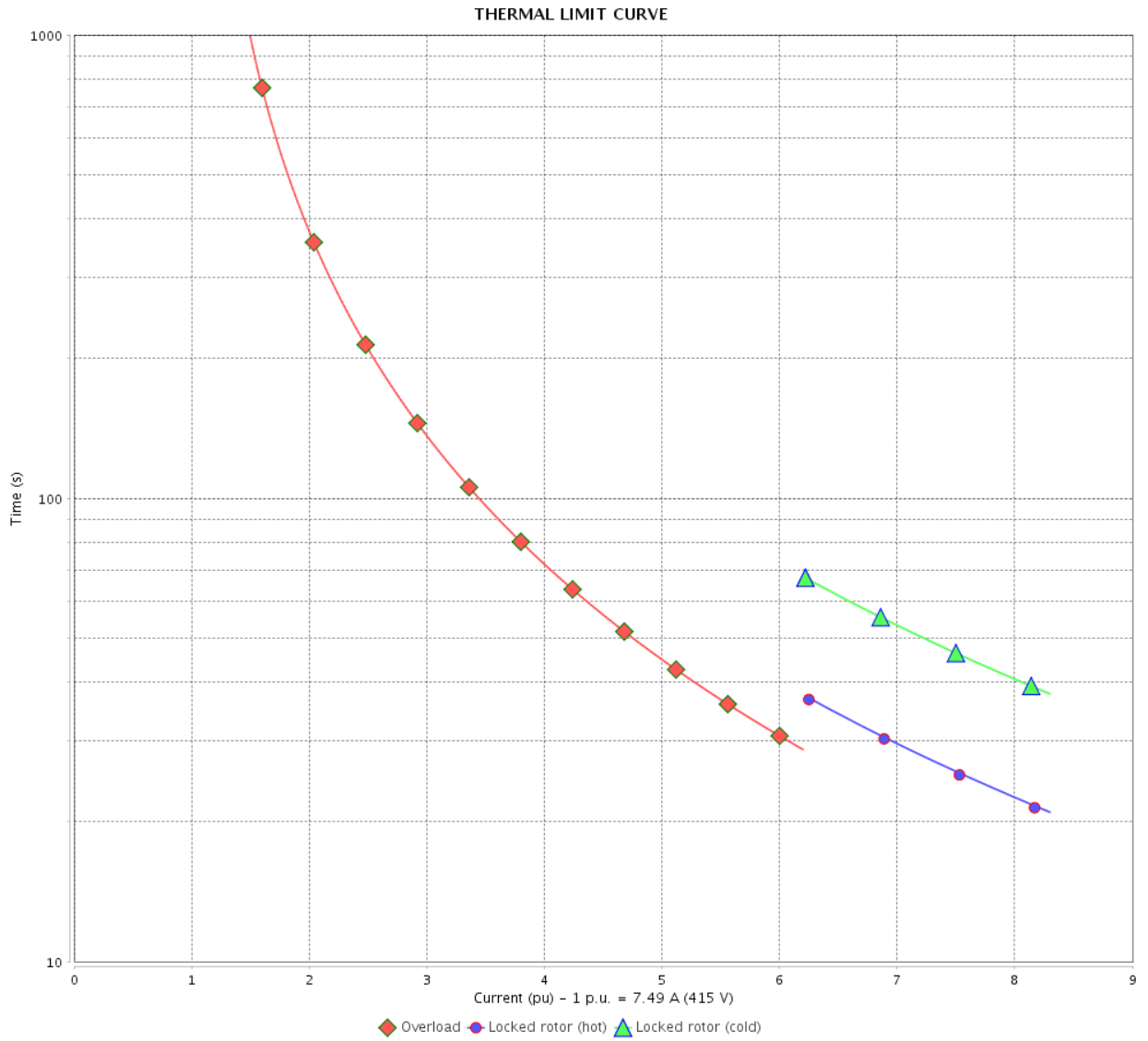
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LRC : 5.7	Duty cycle : Cont.(S1)
Rated torque : 13.6 ft.lb	Insulation class : F
Locked rotor torque : 170 %	Service factor : 1.25
Breakdown torque : 229 %	Temperature rise : 80 K
Rated speed : 2895 rpm	Design : B

Heating constant

Cooling constant

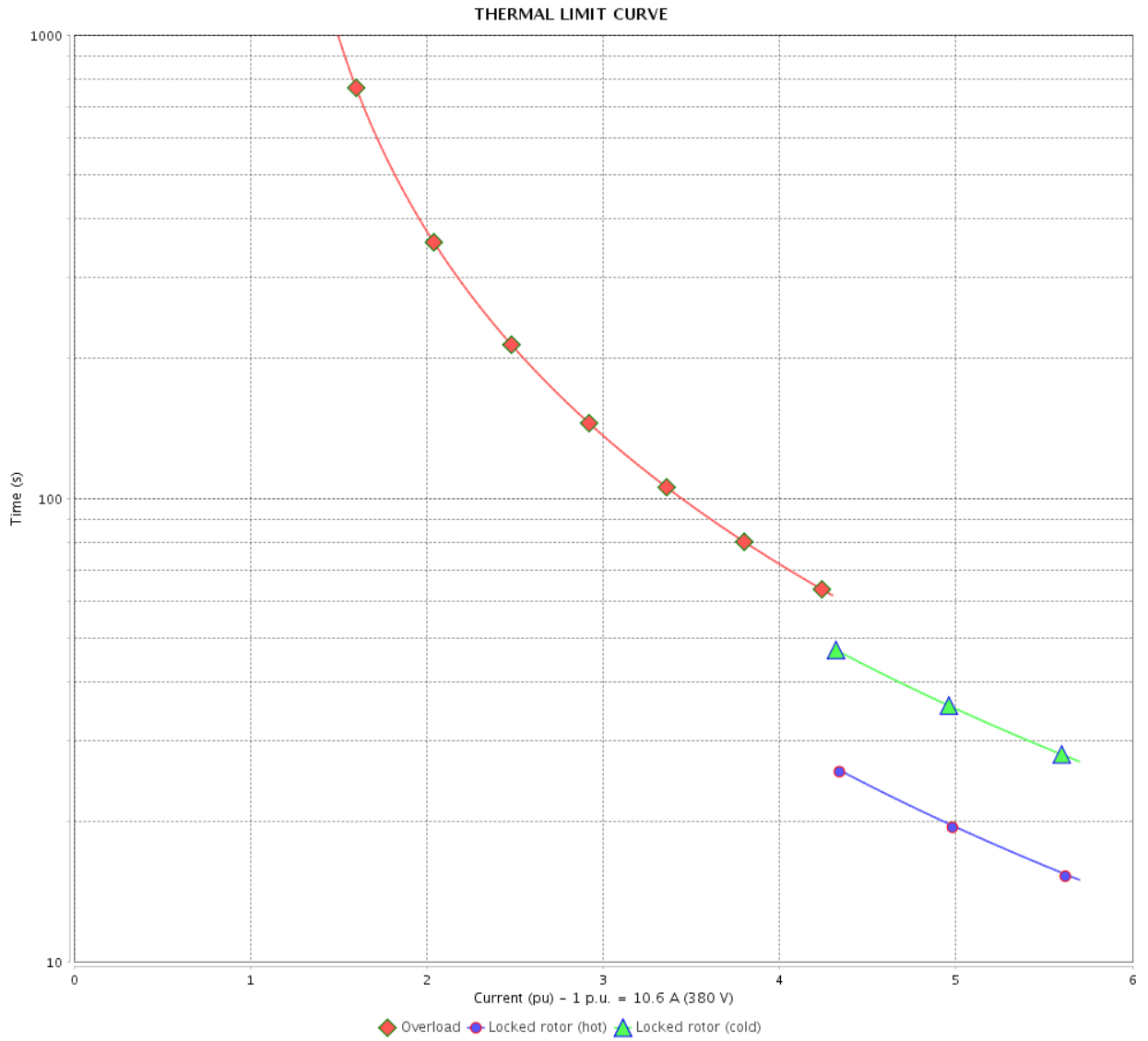
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Product line : NEMA Premium Efficiency Three-Phase
 Product code : 12598761
 Catalog # : 00736ET3E213JM-W22

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

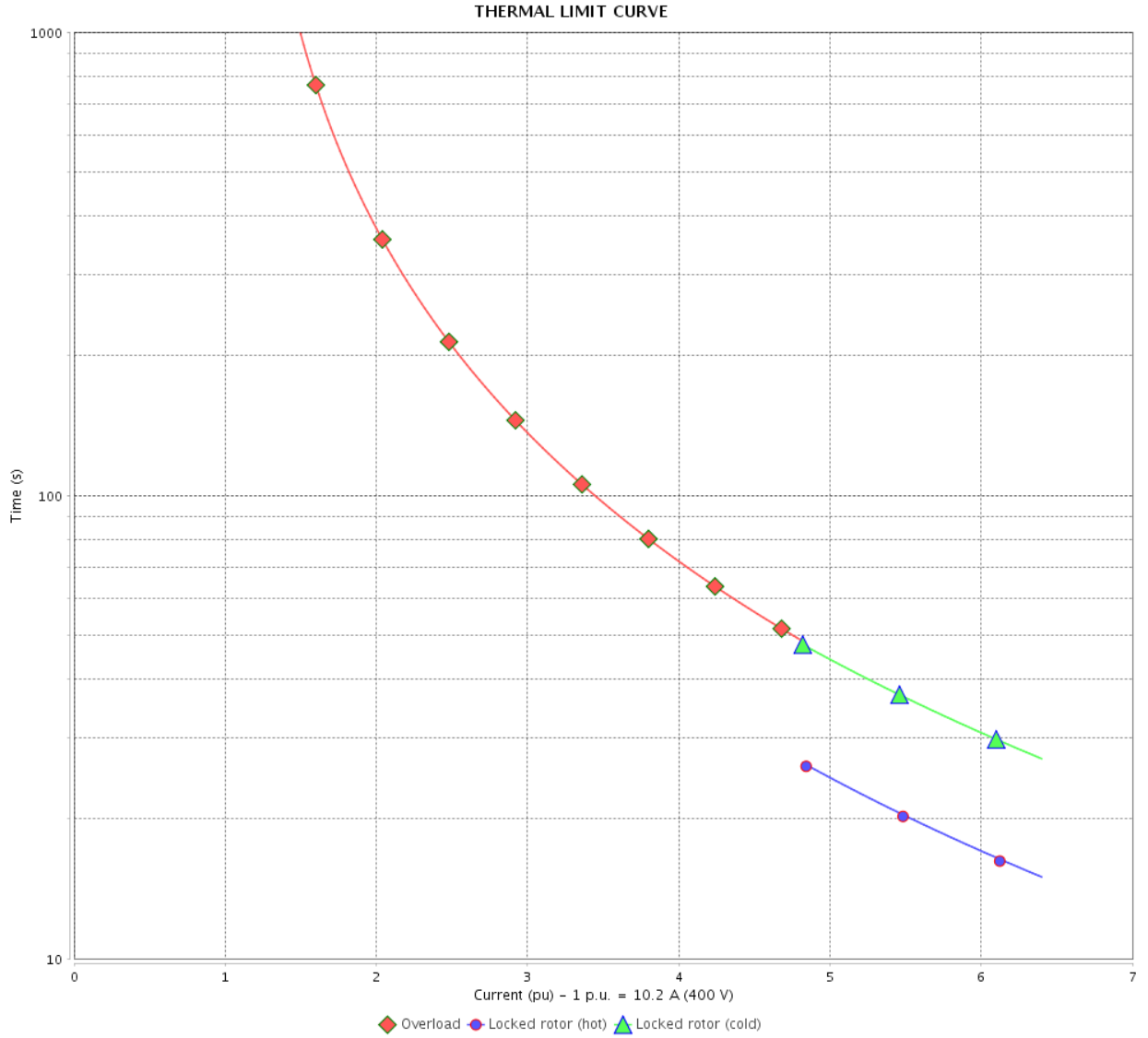
Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 26 / 36	Revision
Checked by				
Date	12/04/2022			

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12598761
Catalog # : 00736ET3E213JM-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

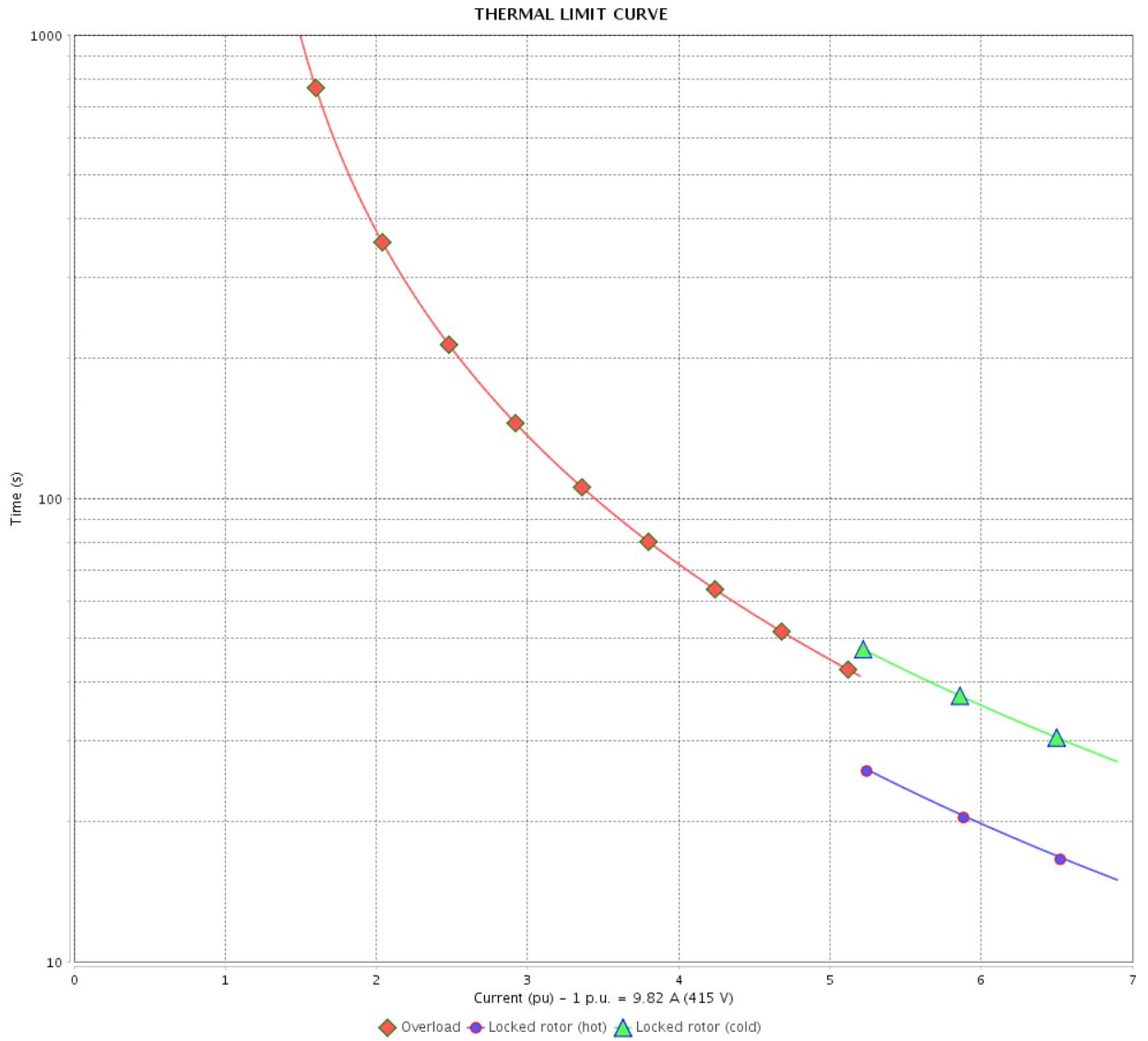
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Performed by				
Checked by			Page	Revision
Date	12/04/2022		28 / 36	

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



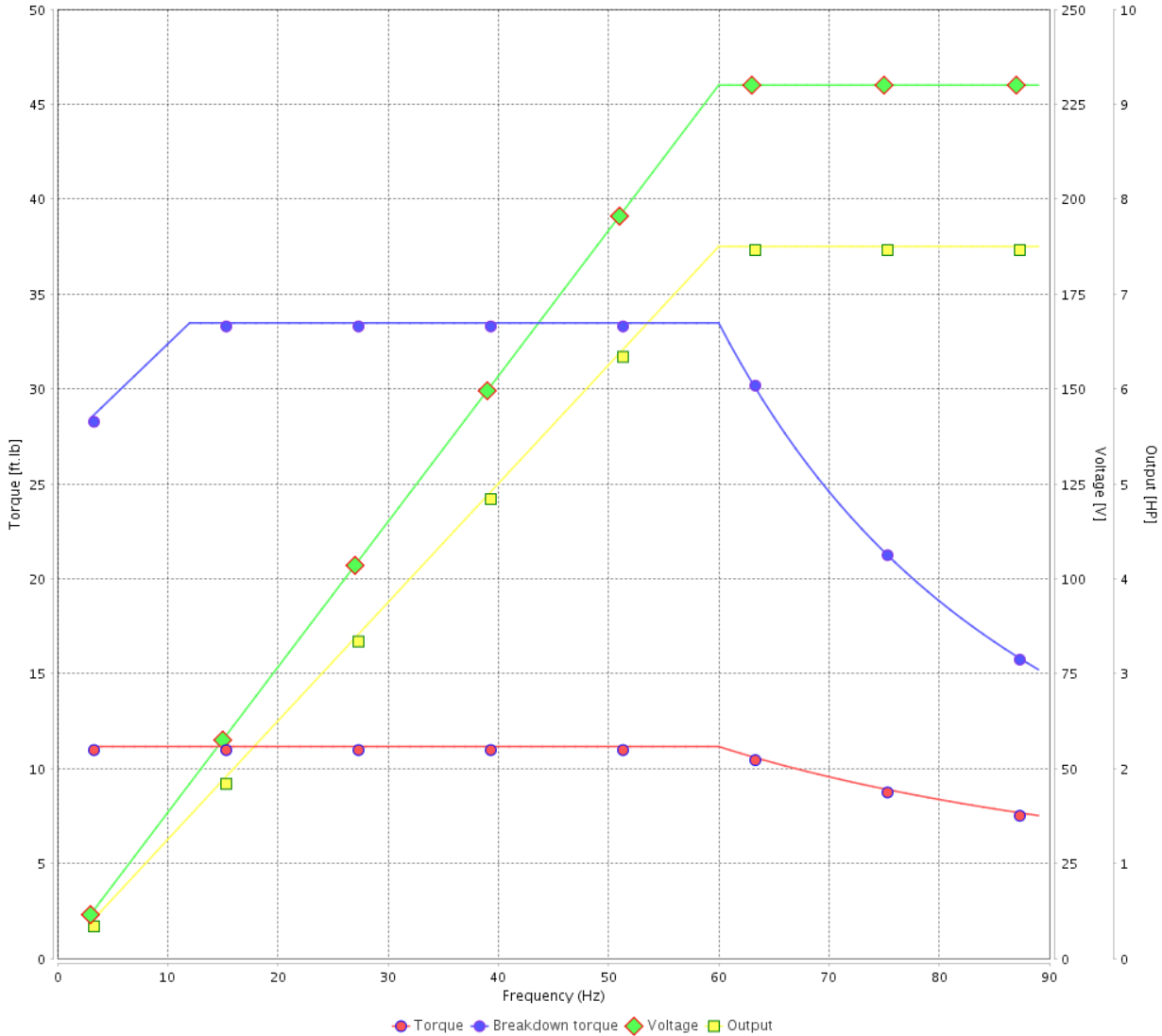
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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

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

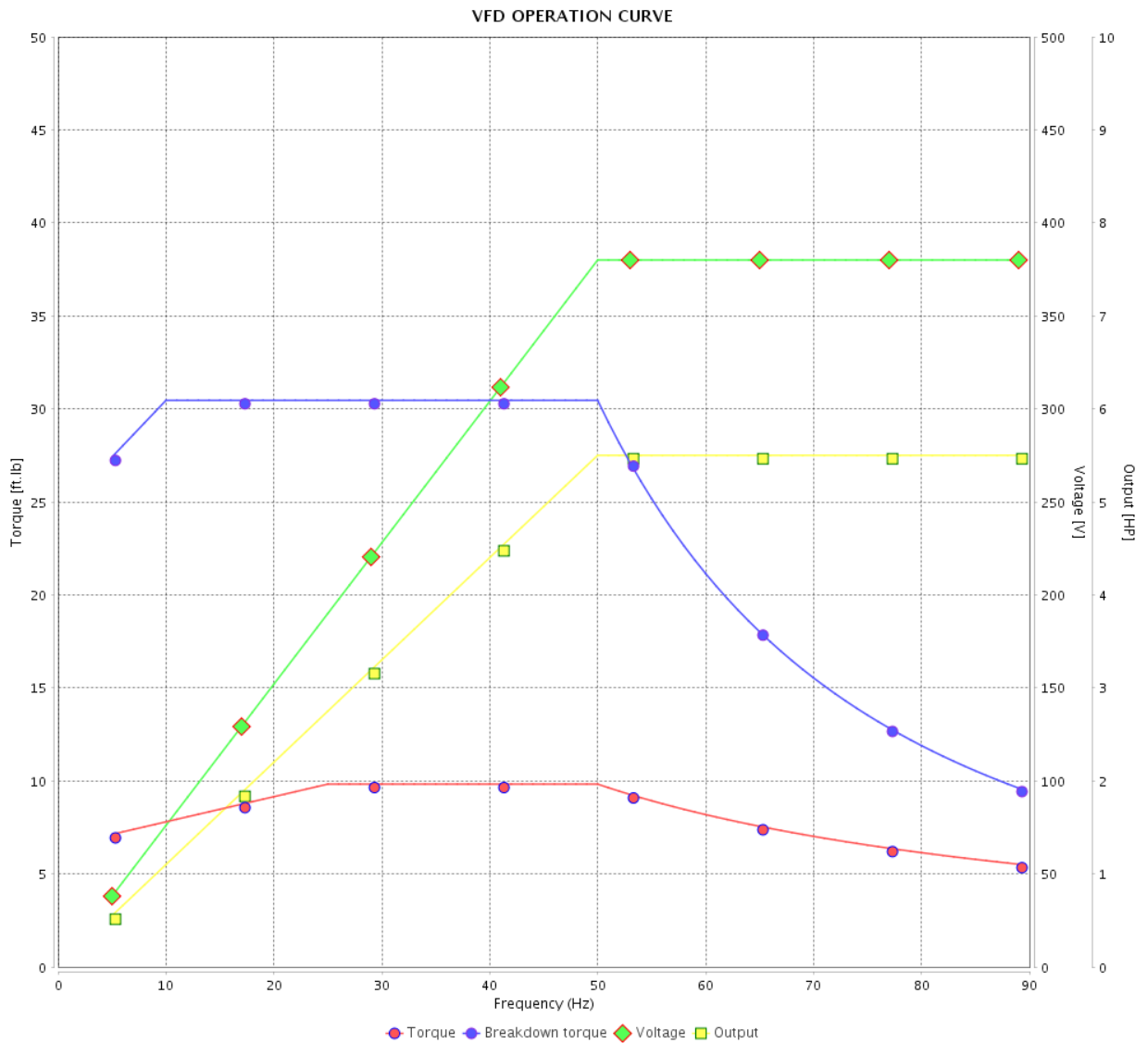


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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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Performed by		Page		Revision
Checked by		31 / 36		
Date		12/04/2022		

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



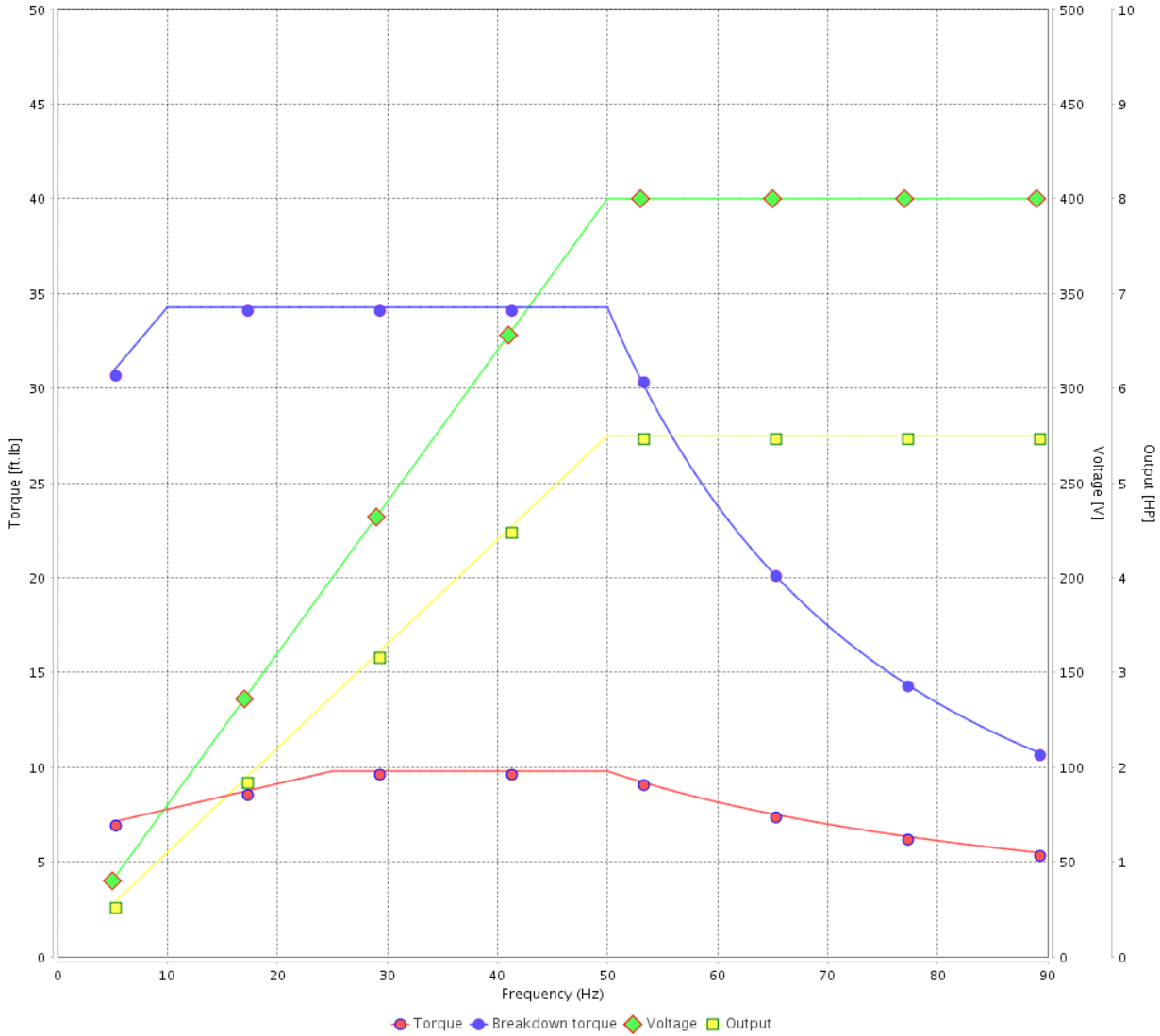
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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

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

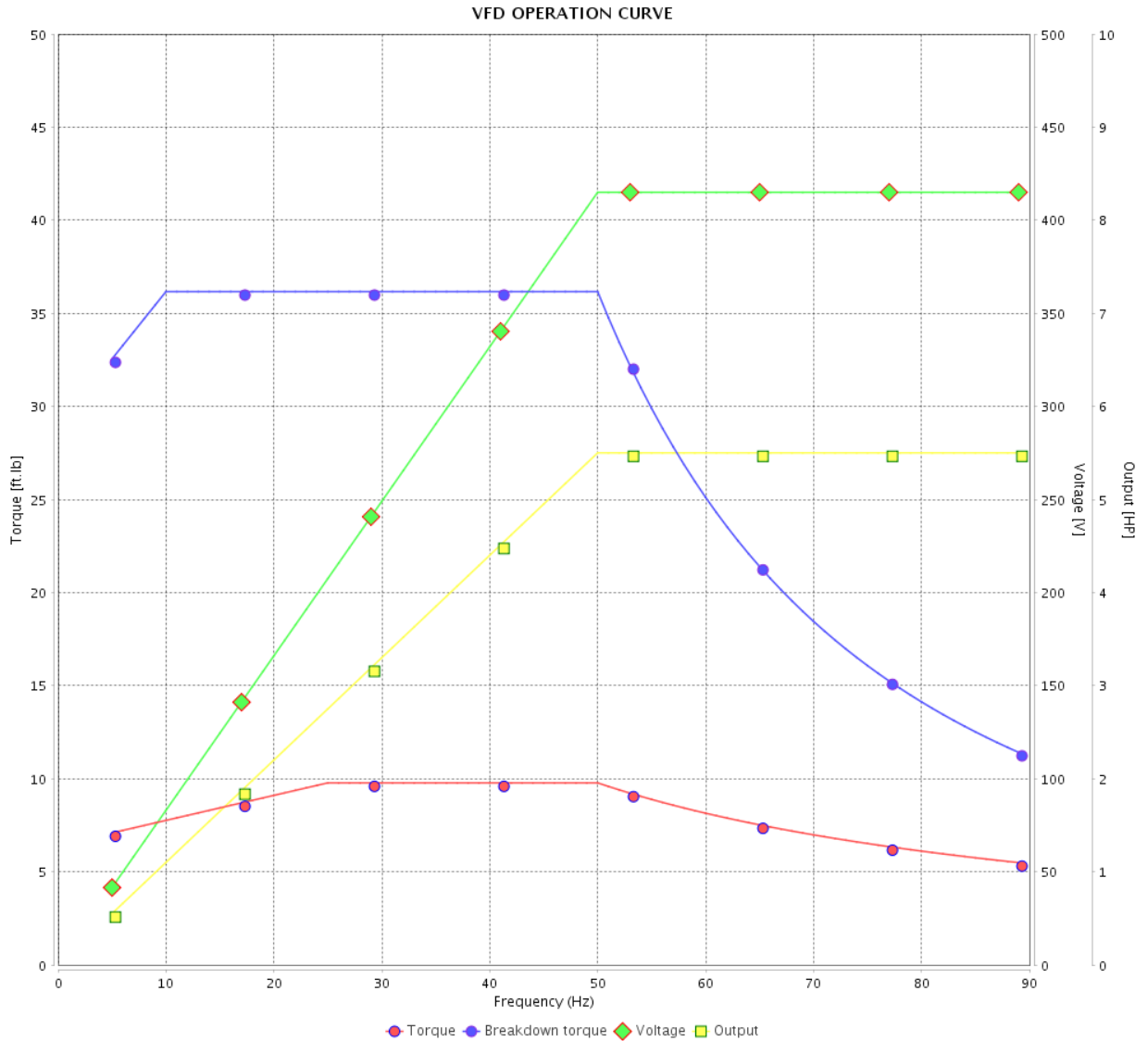
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 12598761
 Catalog # : 00736ET3E213JM-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

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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



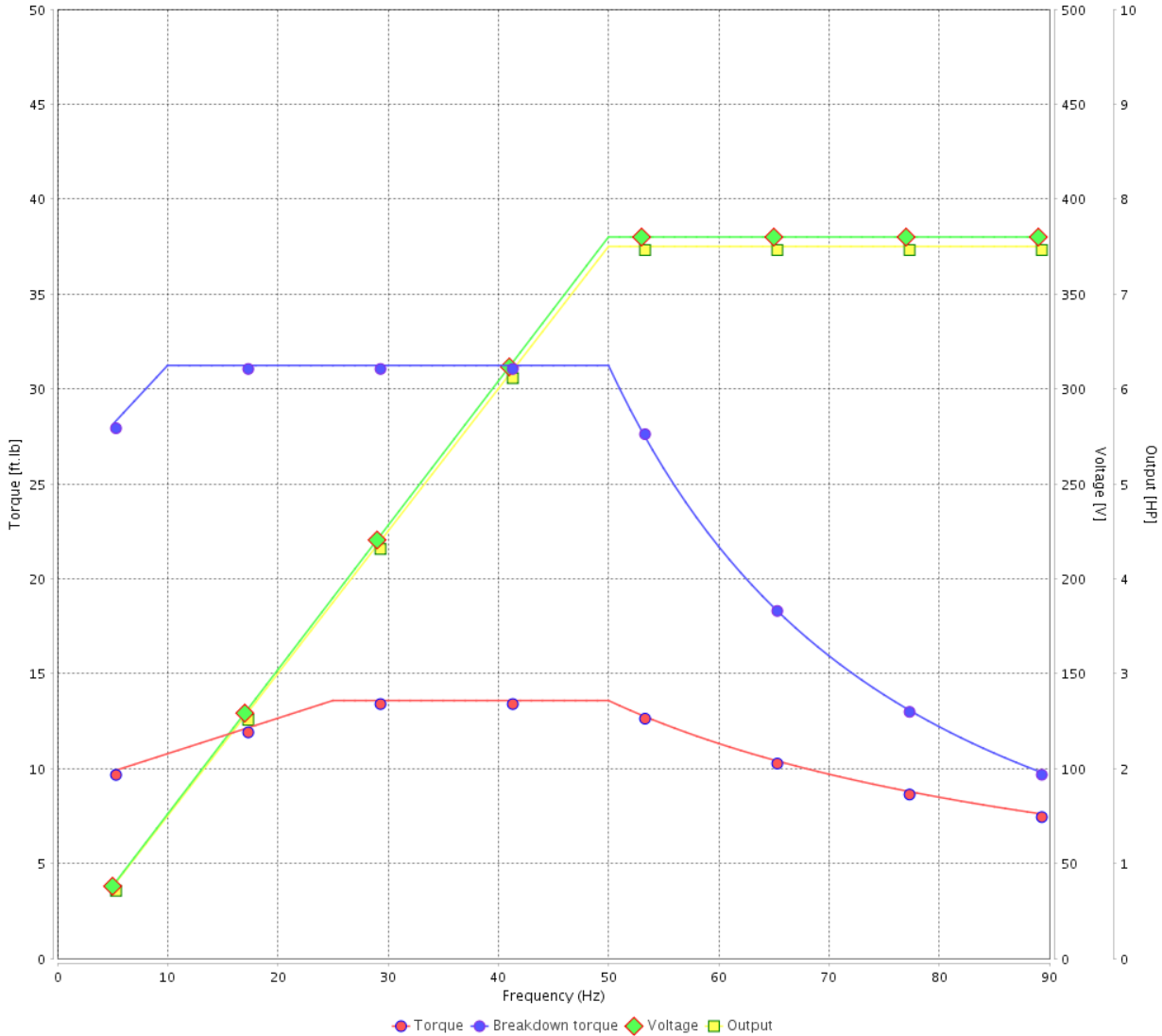
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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

Rev.	Changes Summary	Performed	Checked	Date
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

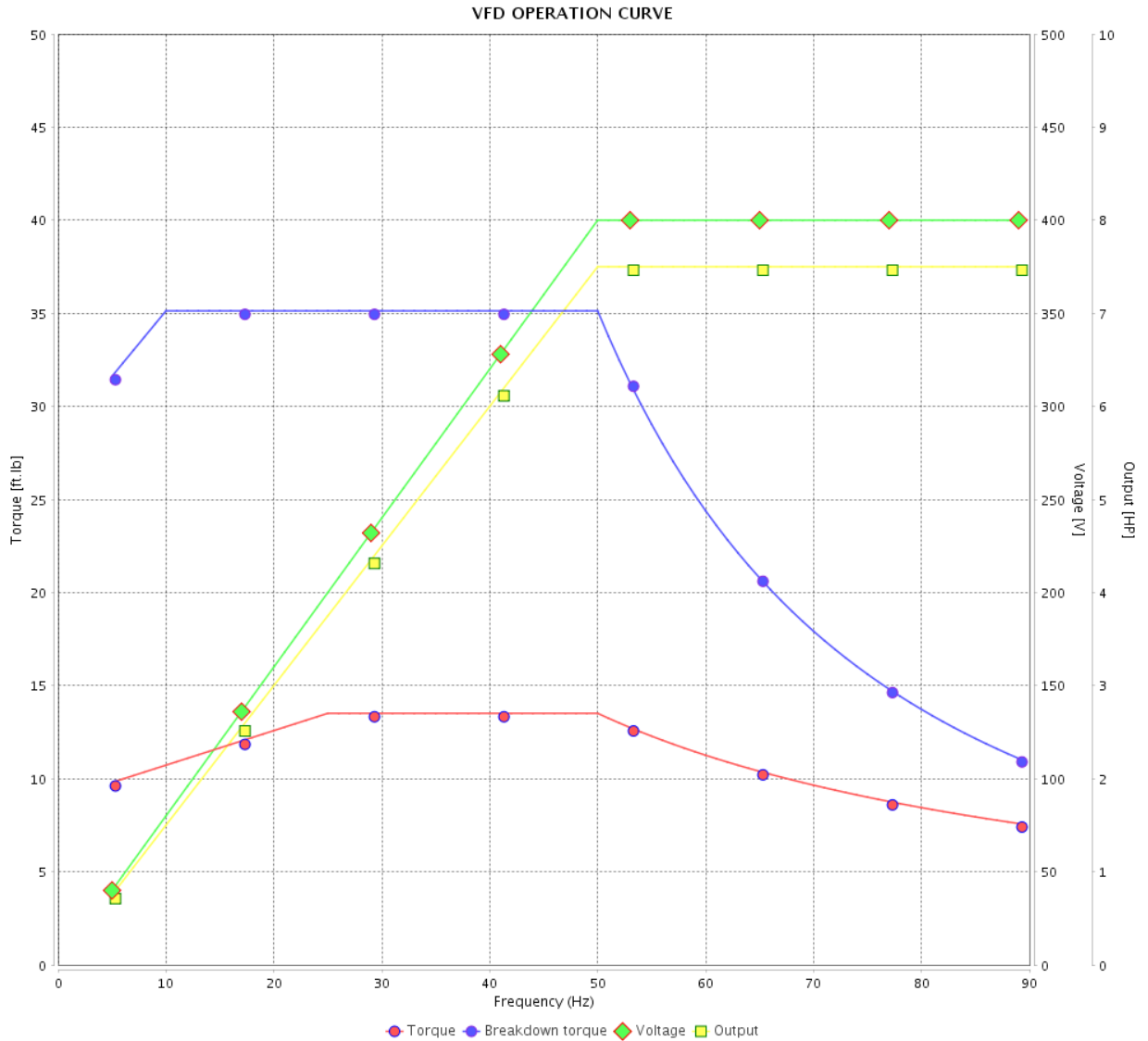


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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

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

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



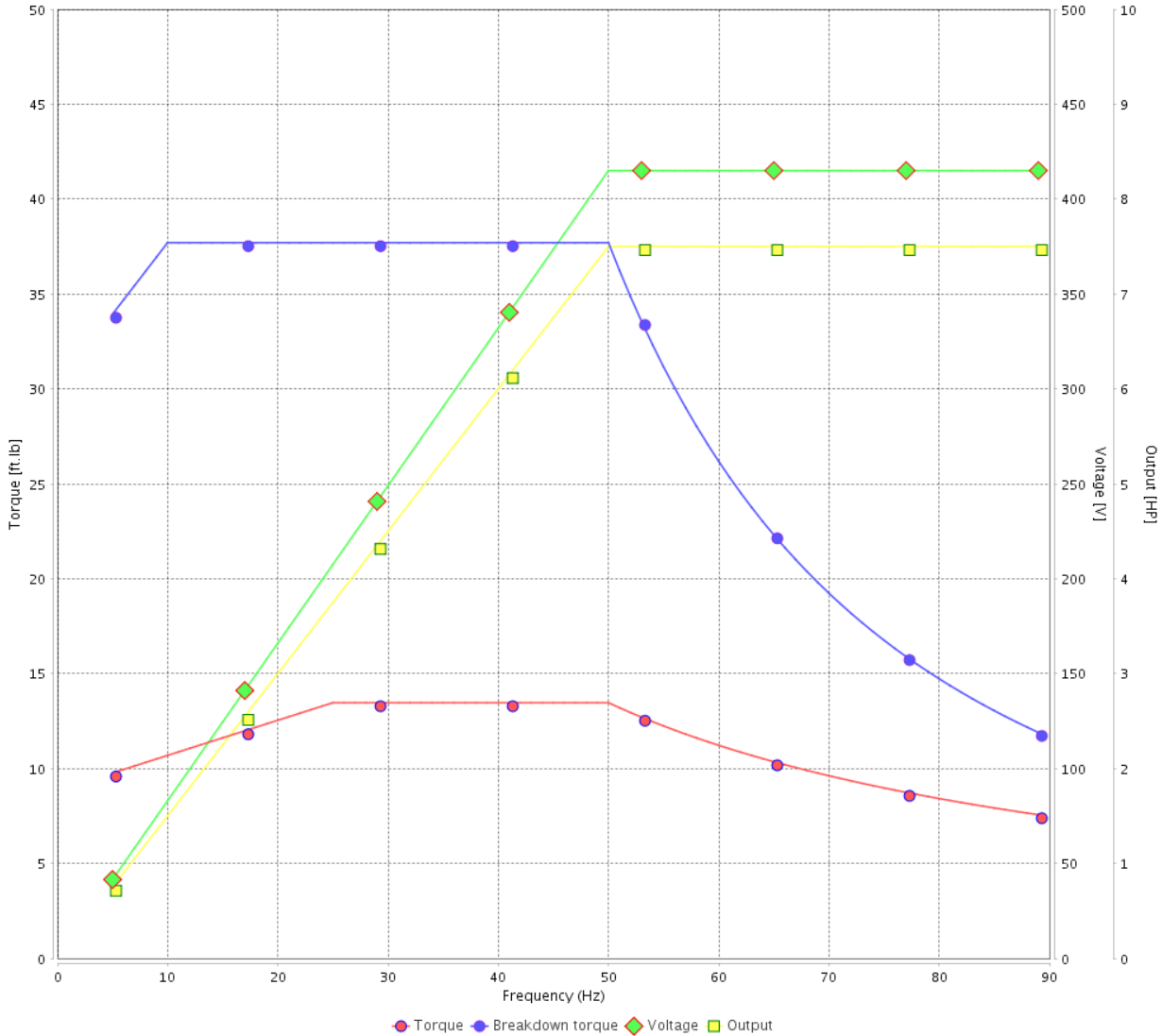
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12598761

Catalog # : 00736ET3E213JM-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

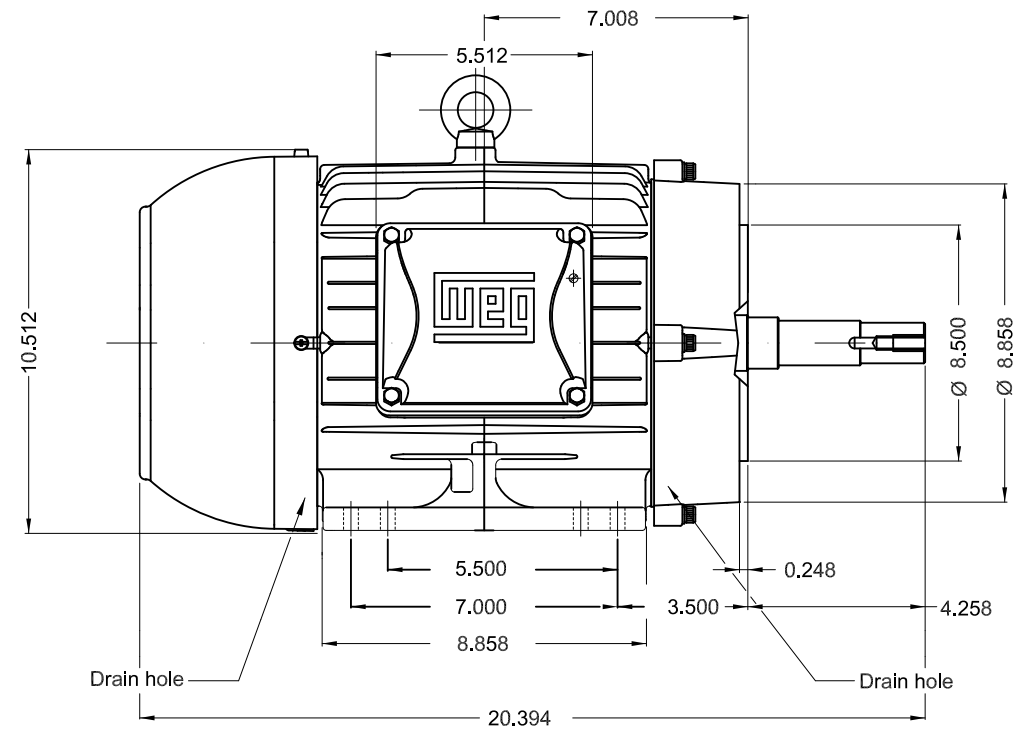
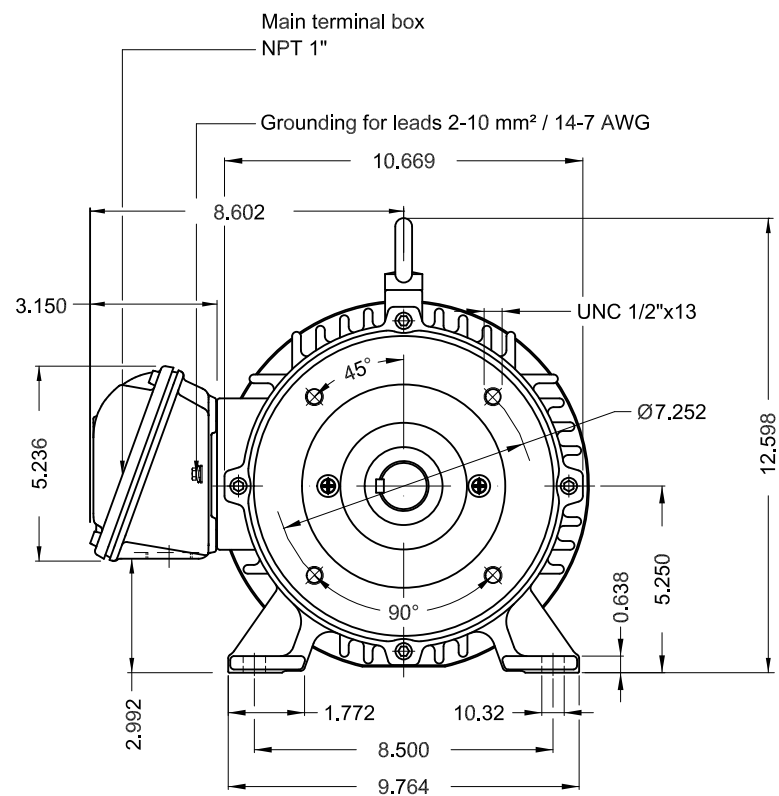
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Checked by				
Date				

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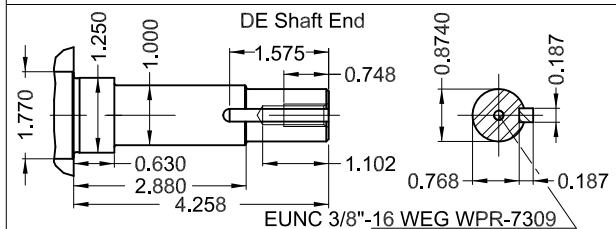
A

B

C



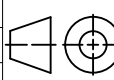

D



E

Color RAL 5009
 Painting plan 207A
 Mounting NEMA F-1
 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 JM/JP/JET PUMP W22 PREM. EFF. FRAME 213/5JM IP55 TEFC	PREVIEW WDD						
CHECKED									
RELEASED									
REL DT.	WMO					Jaragua do Sul	Product Engineering	SHEET	1 / 1

**W22**

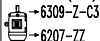
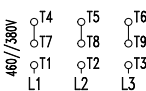
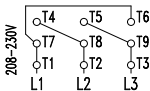
CC029A

® Inverter Duty Motor
Severe Duty

12598761

MADE IN BRAZIL MODEL 00736ET3E213JM-W22

PH 3	FR 213/5JM	HP(kw) 7.5(5.5)	Hz 60	SF 1.25	PF 0.88
V 230/460	A 17.5/8.76	RPM 3530	INS. CL. F	ΔT 80 K	IP55
NEMA NOM EFF 89.5 %			DES B DUTY CONT.		AMB 40°C
ENCL TEFC	SFA 21.9/10.9	USABLE @208V 19.4 A	SF 1.15	SFA 22.3	
7.5HP 5.5kW 50Hz 380V 10.6A 2900RPM SF1.25 EFF 87.5% (IE2)					CODE H



MOBIL POLYREX EM
13 g 19000 h

ALT 1000 m.a.s.l. | 163 Lbs

For 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, 1.0SF, T3A



FOR SAFE AREA
MOD.TE1BFOXON