

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :								
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	11766896					
		Catalog # :	00112ST3QIE145TC-W22					
Frame	: 143/5TC	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	: 63.9 lb					
Protection degree	: IP55	Moment of inertia (J)	: 0.1595 sq.ft.lb					
Design	: B							
Output [HP]	1	0.75	0.75	0.75	1	1	1	
Poles	6	6	6	6	6	6	6	
Frequency [Hz]	60	50	50	50	50	50	50	
Rated voltage [V]	460	380	400	415	380	400	415	
Rated current [A]	1.73	1.60	1.62	1.66	1.96	1.94	1.95	
L. R. Amperes [A]	10.7	9.28	9.88	10.5	9.41	10.1	10.7	
LRC [A]	6.2x(Code K)	5.8x(Code K)	6.1x(Code L)	6.3x(Code M)	4.8x(Code G)	5.2x(Code H)	5.5x(Code J)	
No load current [A]	1.20	1.18	1.28	1.36	1.18	1.28	1.36	
Rated speed [RPM]	1160	960	970	970	940	950	950	
Slip [%]	3.33	4.00	3.00	3.00	6.00	5.00	5.00	
Rated torque [ft.lb]	4.53	4.10	4.06	4.06	5.59	5.53	5.53	
Locked rotor torque [%]	260	280	300	320	200	229	250	
Breakdown torque [%]	300	310	330	340	220	260	280	
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	80 K	80 K	80 K	
Locked rotor time	50s (cold) 28s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (hot)	
Noise level ²	50.0 dB(A)	45.0 dB(A)	45.0 dB(A)	45.0 dB(A)	45.0 dB(A)	45.0 dB(A)	45.0 dB(A)	
Efficiency (%)	25%	76.0	73.6	71.6	68.6	77.6	76.1	73.4
	50%	77.0	74.8	73.2	70.7	77.0	75.5	74.0
	75%	82.0	78.4	77.5	75.8	80.0	80.0	78.5
	100%	82.5	79.3	78.9	77.9	78.5	78.5	78.5
Power Factor	25%	0.25	0.24	0.22	0.21	0.30	0.27	0.25
	50%	0.45	0.44	0.41	0.38	0.53	0.49	0.46
	75%	0.57	0.57	0.53	0.50	0.66	0.62	0.59
	100%	0.66	0.66	0.62	0.59	0.74	0.71	0.68
Bearing type	: Drive end : 6205 C3	Non drive end : 6204 C3	Foundation loads					
Sealing	: Inpro/Seal	Inpro/Seal	Max. traction	: 103 lb				
Lubrication interval	: 20000 h	20000 h	Max. compression	: 166 lb				
Lubricant amount	: 4 g	4 g						
Lubricant type	: Mobil Polyrex EM							
Notes								
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.				
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



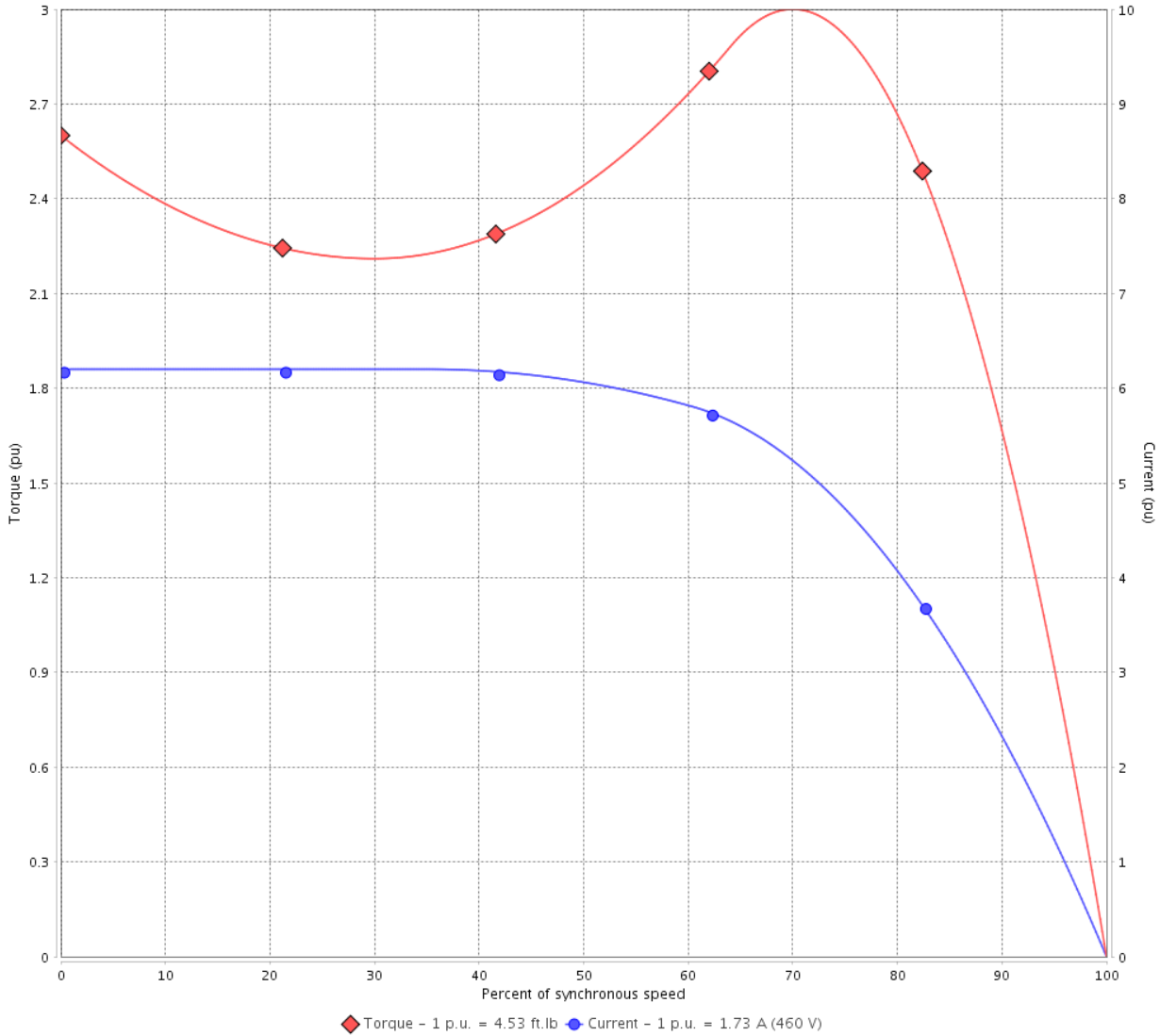
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 460 V 60 Hz 6P

Rated current	: 1.73 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 4.53 ft.lb	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.25
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1160 rpm	Design	: B

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

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TORQUE AND CURRENT VS SPEED CURVE



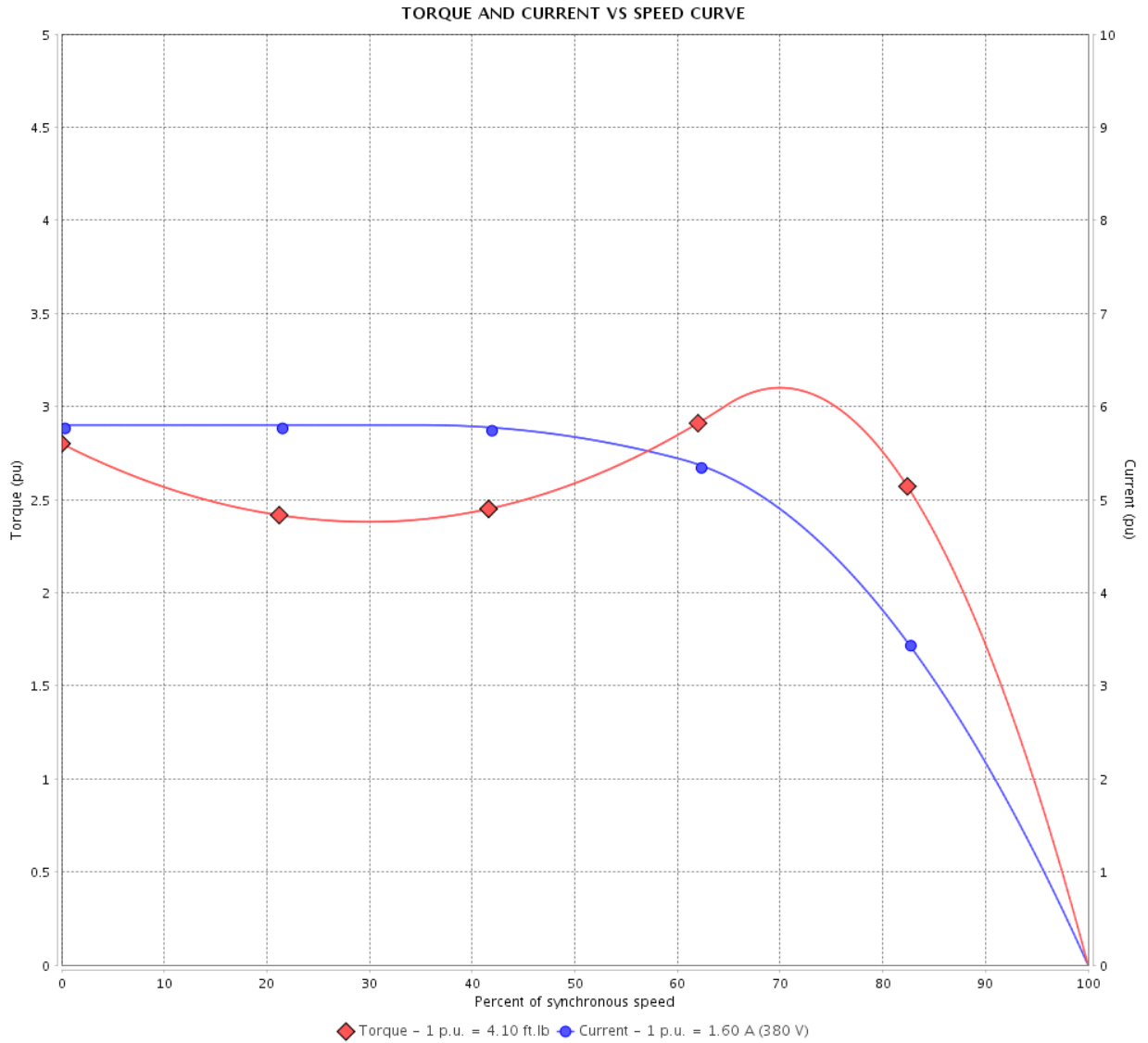
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22



Performance : 380 V 50 Hz 6P IE3

Rated current	: 1.60 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 4.10 ft.lb	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.00
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 960 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



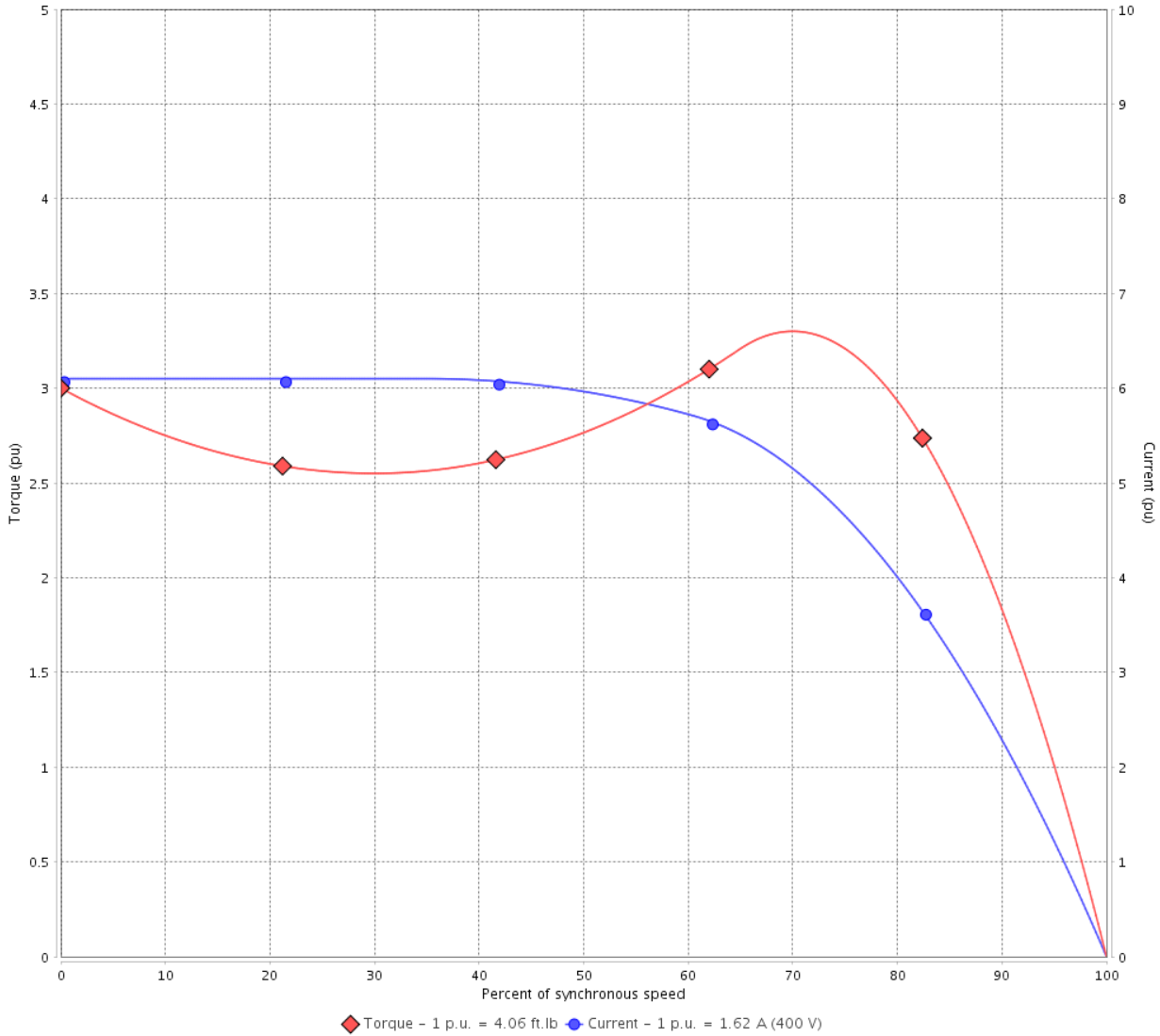
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 400 V 50 Hz 6P IE3

Rated current	: 1.62 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 6.1	Duty cycle	: Cont.(S1)
Rated torque	: 4.06 ft.lb	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	: 1.00
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 970 rpm	Design	: B

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

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TORQUE AND CURRENT VS SPEED CURVE



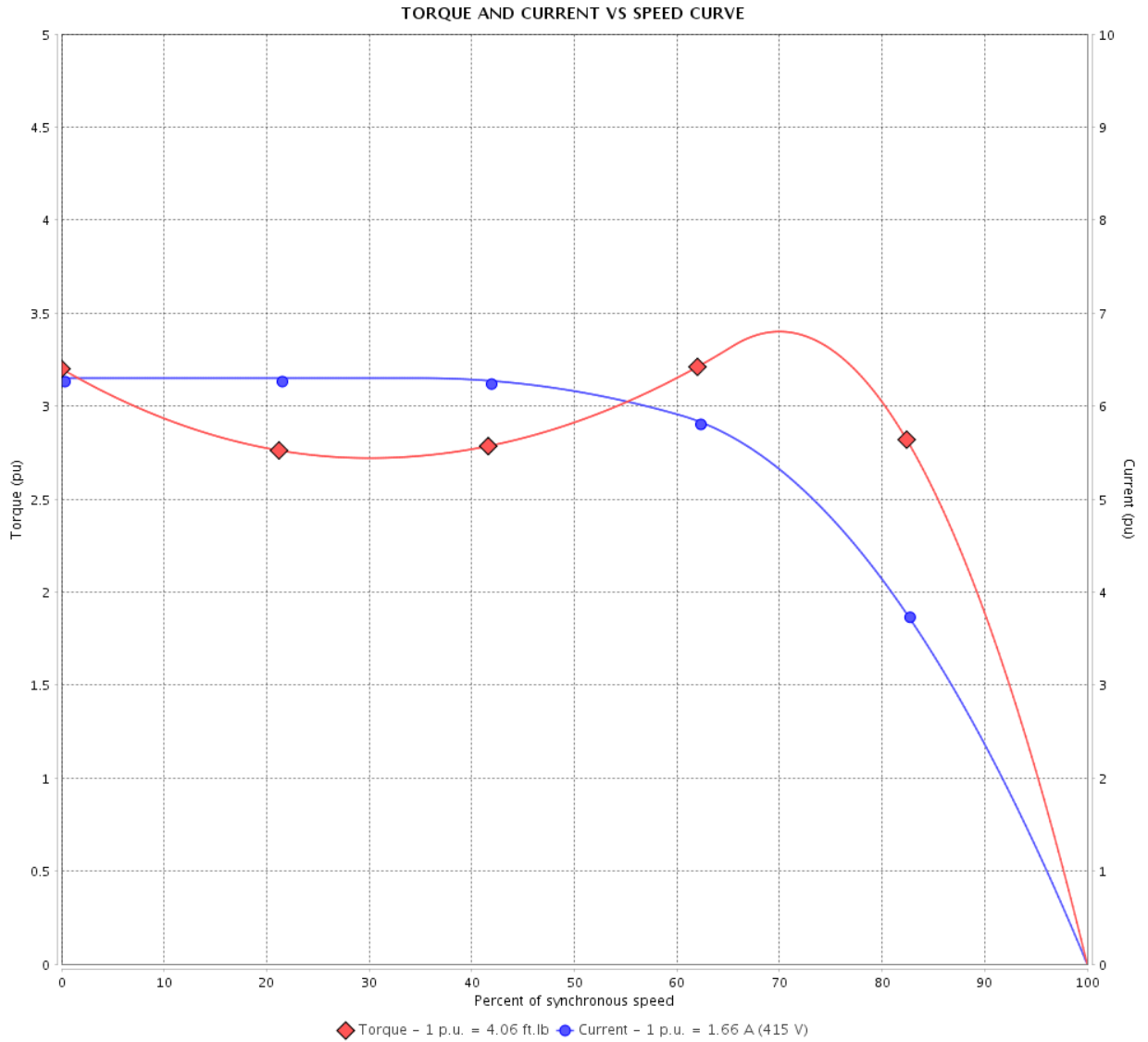
Three Phase Induction Motor - Squirrel Cage

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Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22



Performance : 415 V 50 Hz 6P IE3

Rated current	: 1.66 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 4.06 ft.lb	Insulation class	: F
Locked rotor torque	: 320 %	Service factor	: 1.00
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 970 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



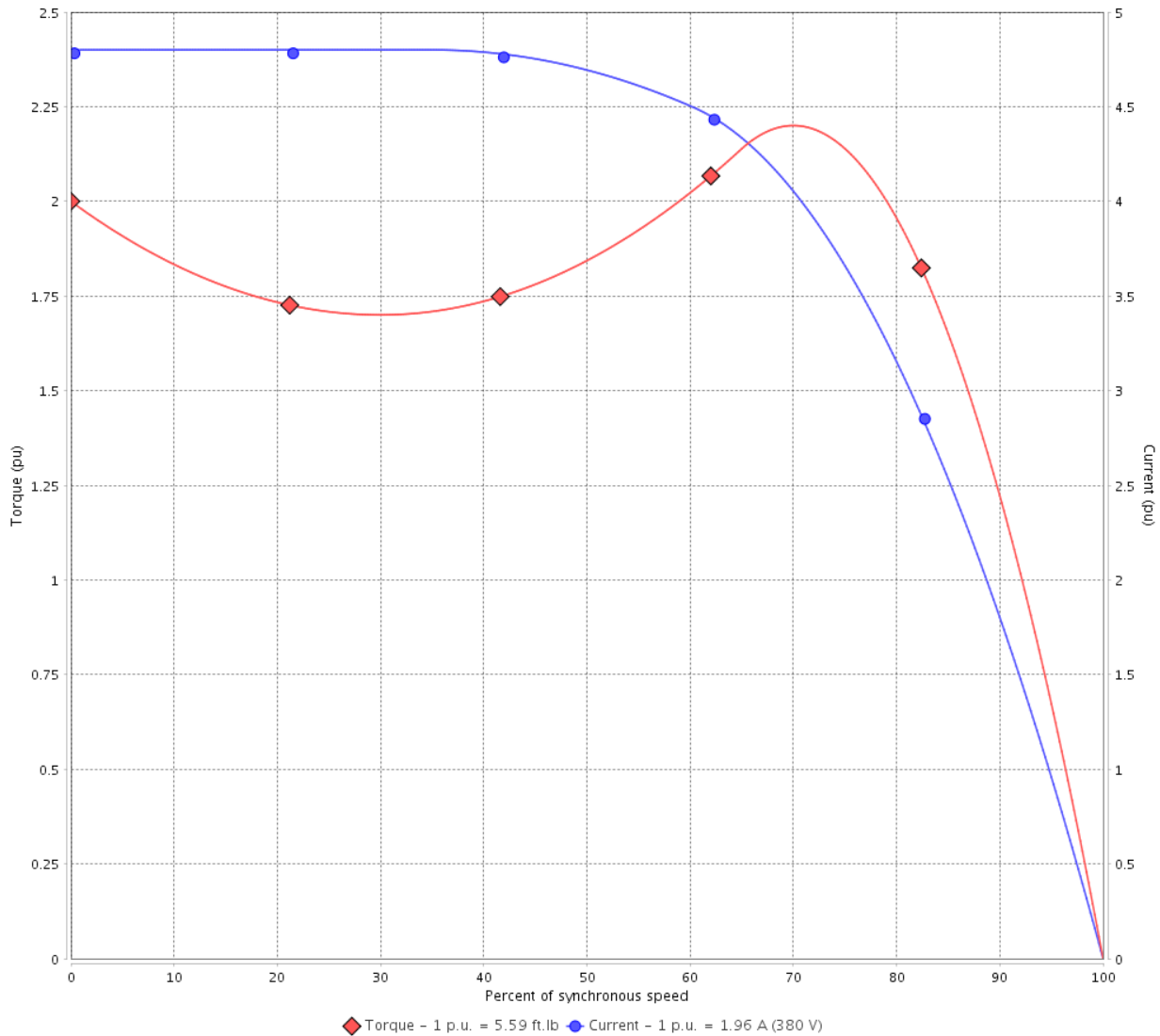
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Catalog # : 00112ST3QIE145TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 380 V 50 Hz 6P IE2

Rated current	: 1.96 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 4.8	Duty cycle	: Cont.(S1)
Rated torque	: 5.59 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 220 %	Temperature rise	: 80 K
Rated speed	: 940 rpm	Design	: B

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

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TORQUE AND CURRENT VS SPEED CURVE



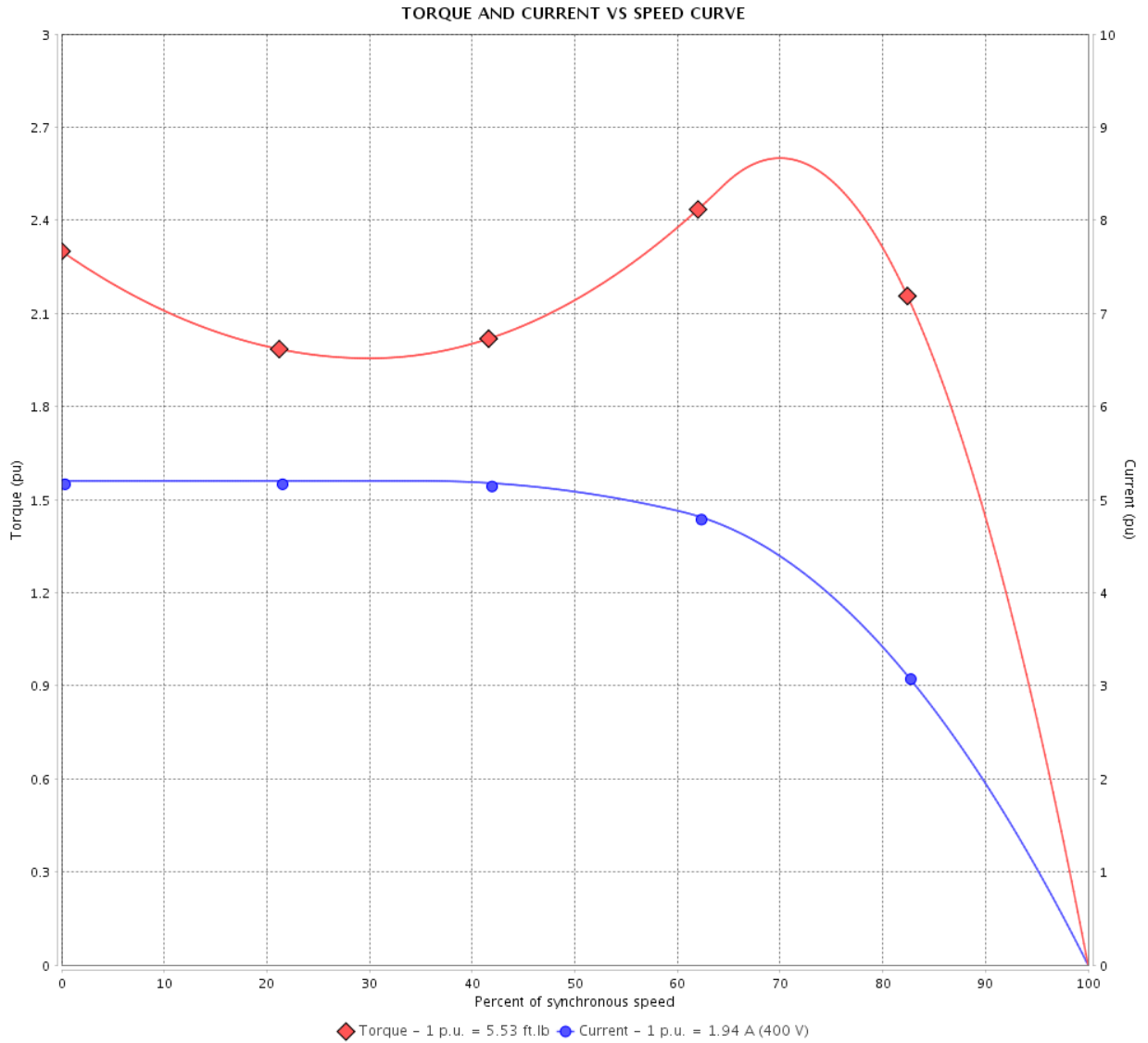
Three Phase Induction Motor - Squirrel Cage

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Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22



Performance : 400 V 50 Hz 6P IE2

Rated current	: 1.94 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 5.2	Duty cycle	: Cont.(S1)
Rated torque	: 5.53 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.00
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 950 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



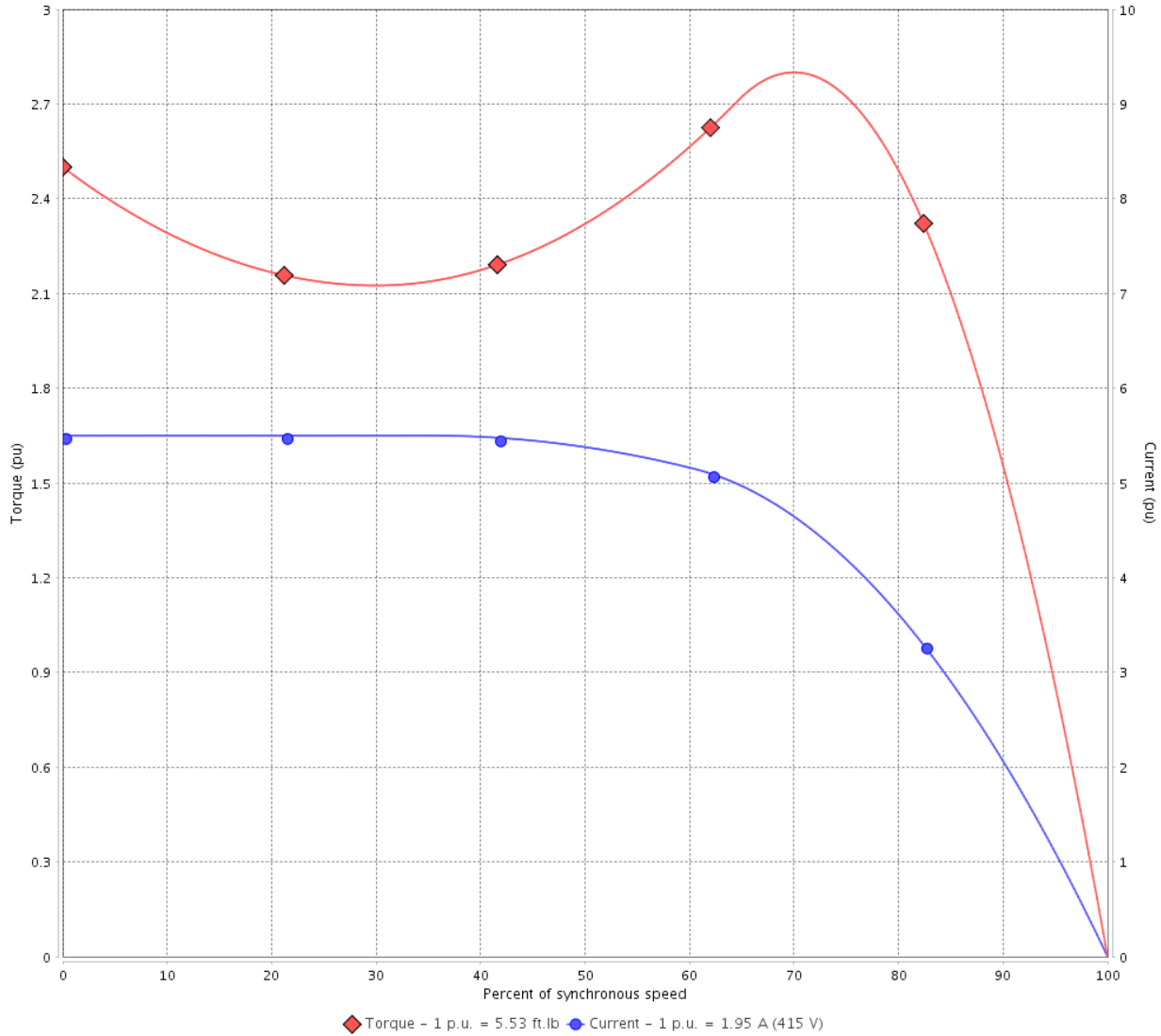
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Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 415 V 50 Hz 6P IE2

Rated current	: 1.95 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 5.5	Duty cycle	: Cont.(S1)
Rated torque	: 5.53 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.00
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 950 rpm	Design	: B

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

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Three Phase Induction Motor - Squirrel Cage

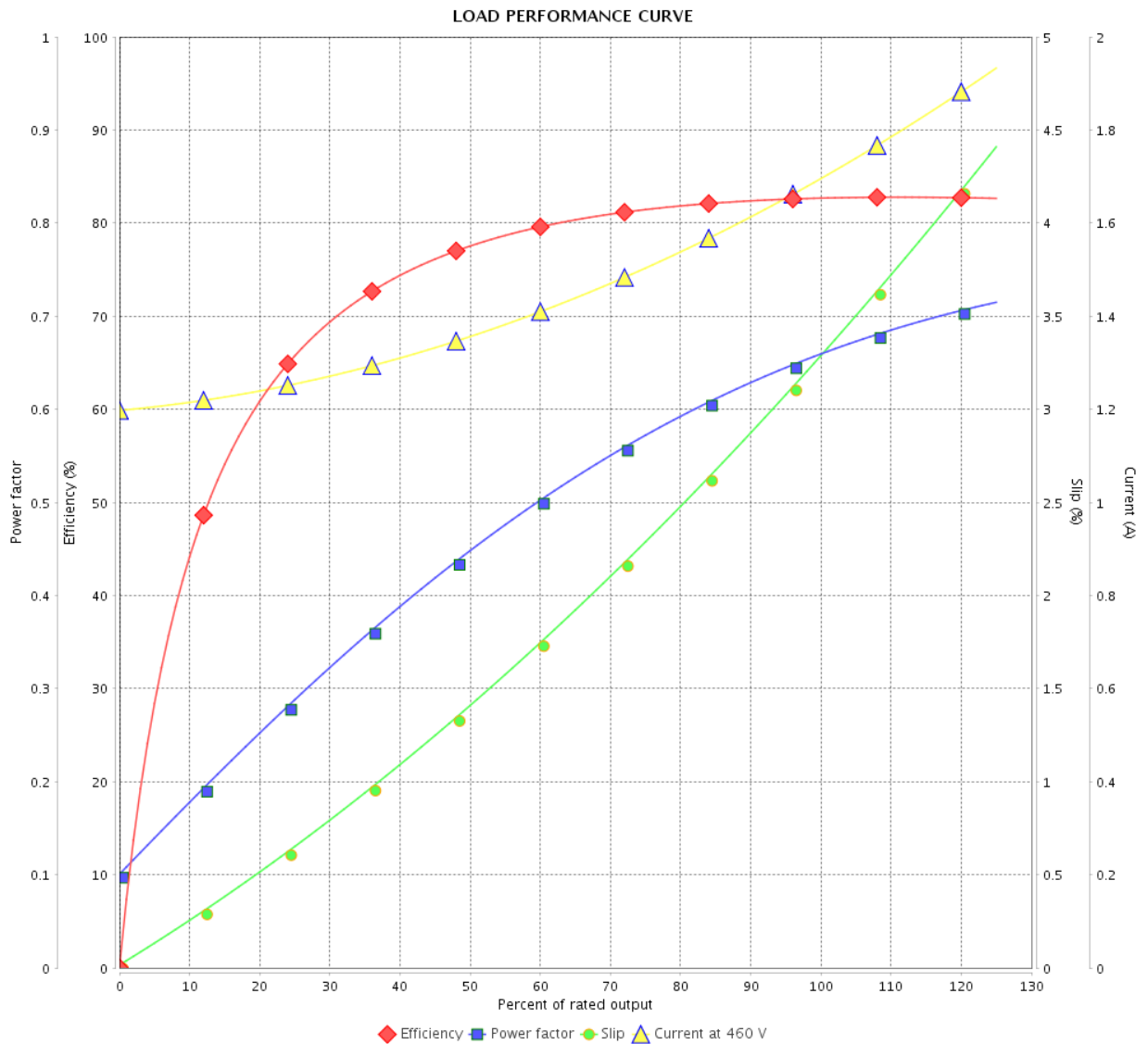


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Catalog # : 00112ST3QIE145TC-W22



Performance : 460 V 60 Hz 6P

Rated current : 1.73 A
 LRC : 6.2
 Rated torque : 4.53 ft.lb
 Locked rotor torque : 260 %
 Breakdown torque : 300 %
 Rated speed : 1160 rpm

Moment of inertia (J) : 0.1595 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



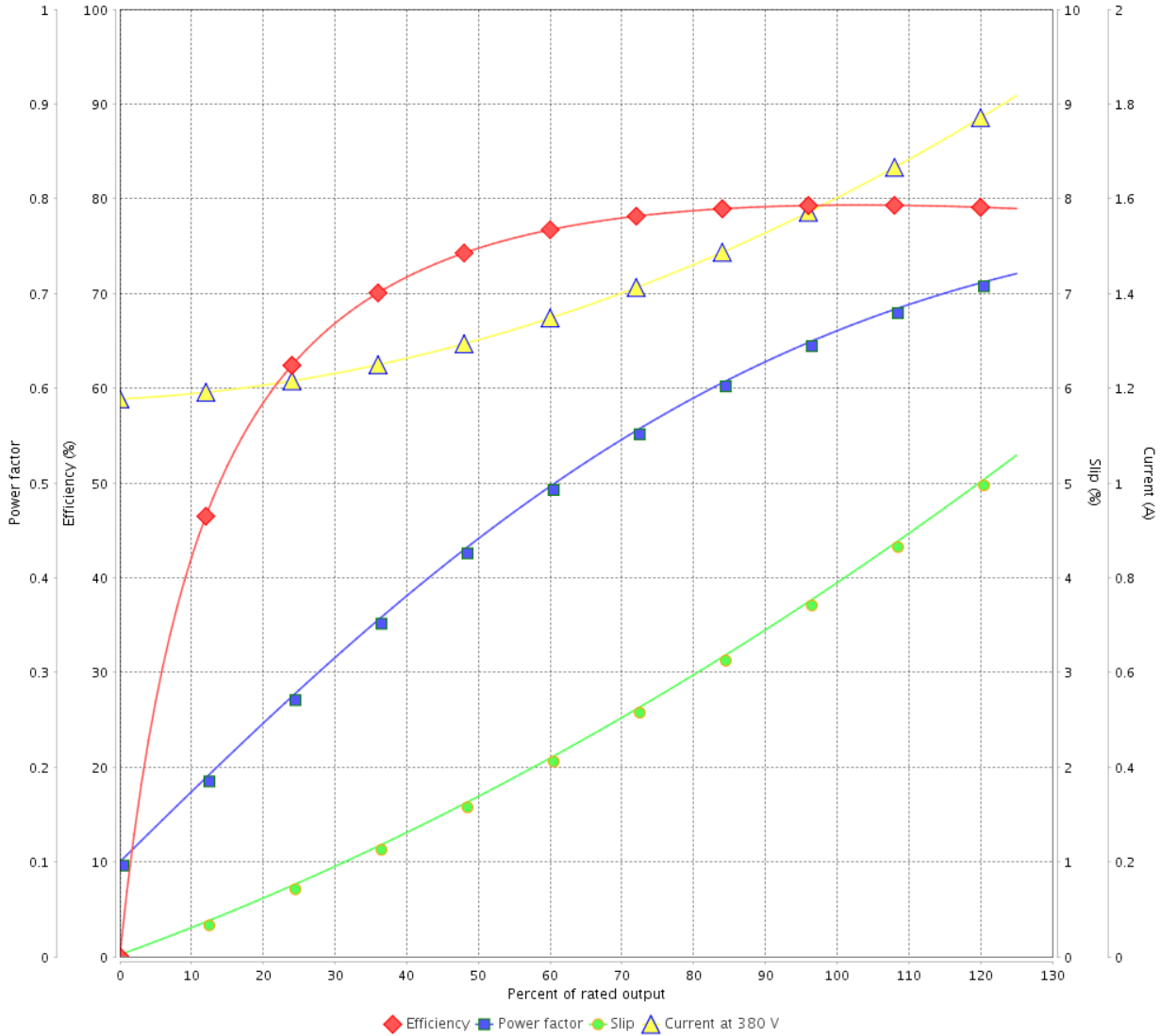
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22

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Performance : 380 V 50 Hz 6P IE3

Rated current : 1.60 A
 LRC : 5.8
 Rated torque : 4.10 ft.lb
 Locked rotor torque : 280 %
 Breakdown torque : 310 %
 Rated speed : 960 rpm

Moment of inertia (J) : 0.1595 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

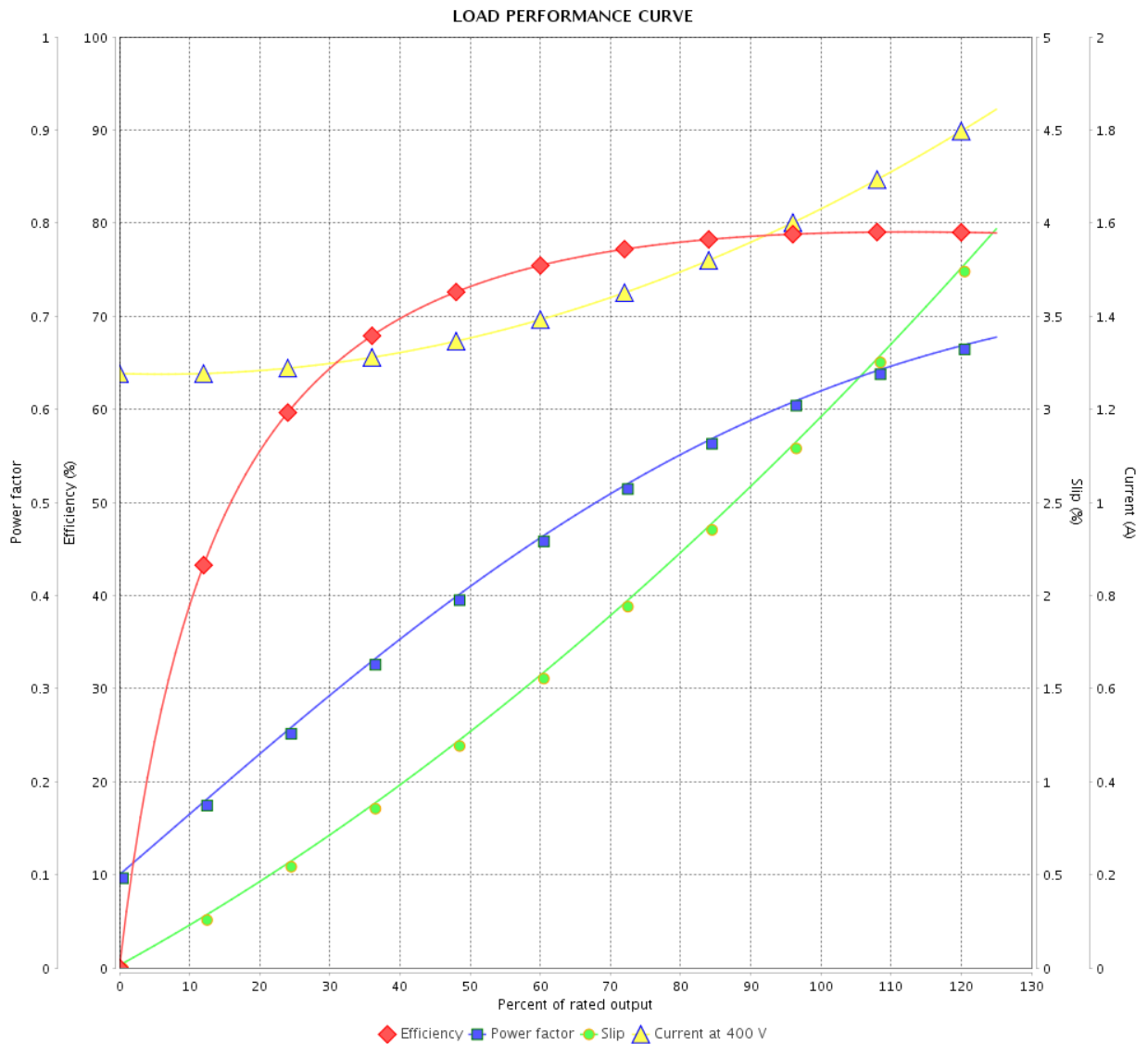


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Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22



Performance : 400 V 50 Hz 6P IE3

Rated current : 1.62 A
 LRC : 6.1
 Rated torque : 4.06 ft.lb
 Locked rotor torque : 300 %
 Breakdown torque : 330 %
 Rated speed : 970 rpm

Moment of inertia (J) : 0.1595 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



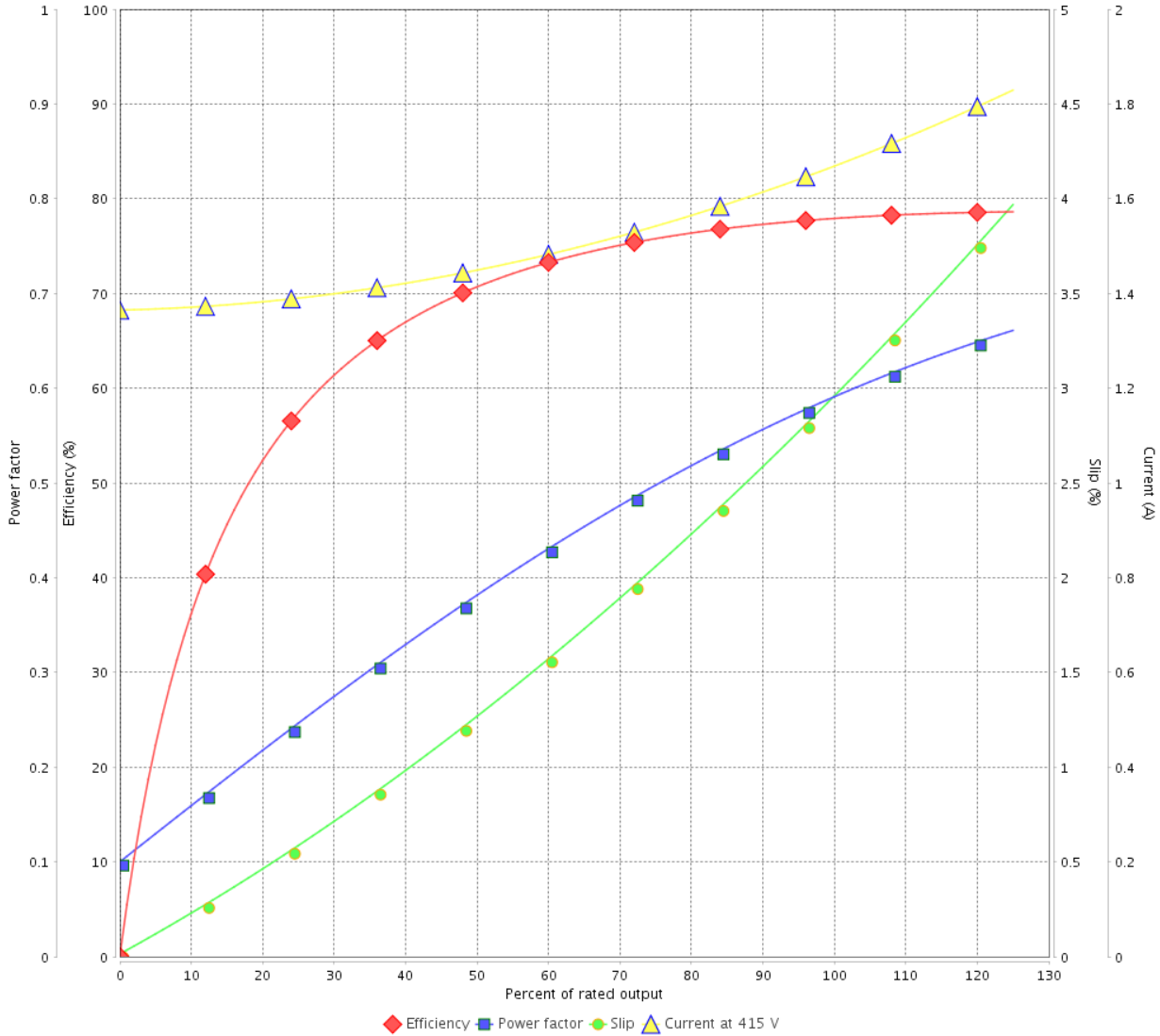
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22

LOAD PERFORMANCE CURVE



Performance : 415 V 50 Hz 6P IE3

Rated current : 1.66 A
 LRC : 6.3
 Rated torque : 4.06 ft.lb
 Locked rotor torque : 320 %
 Breakdown torque : 340 %
 Rated speed : 970 rpm

Moment of inertia (J) : 0.1595 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

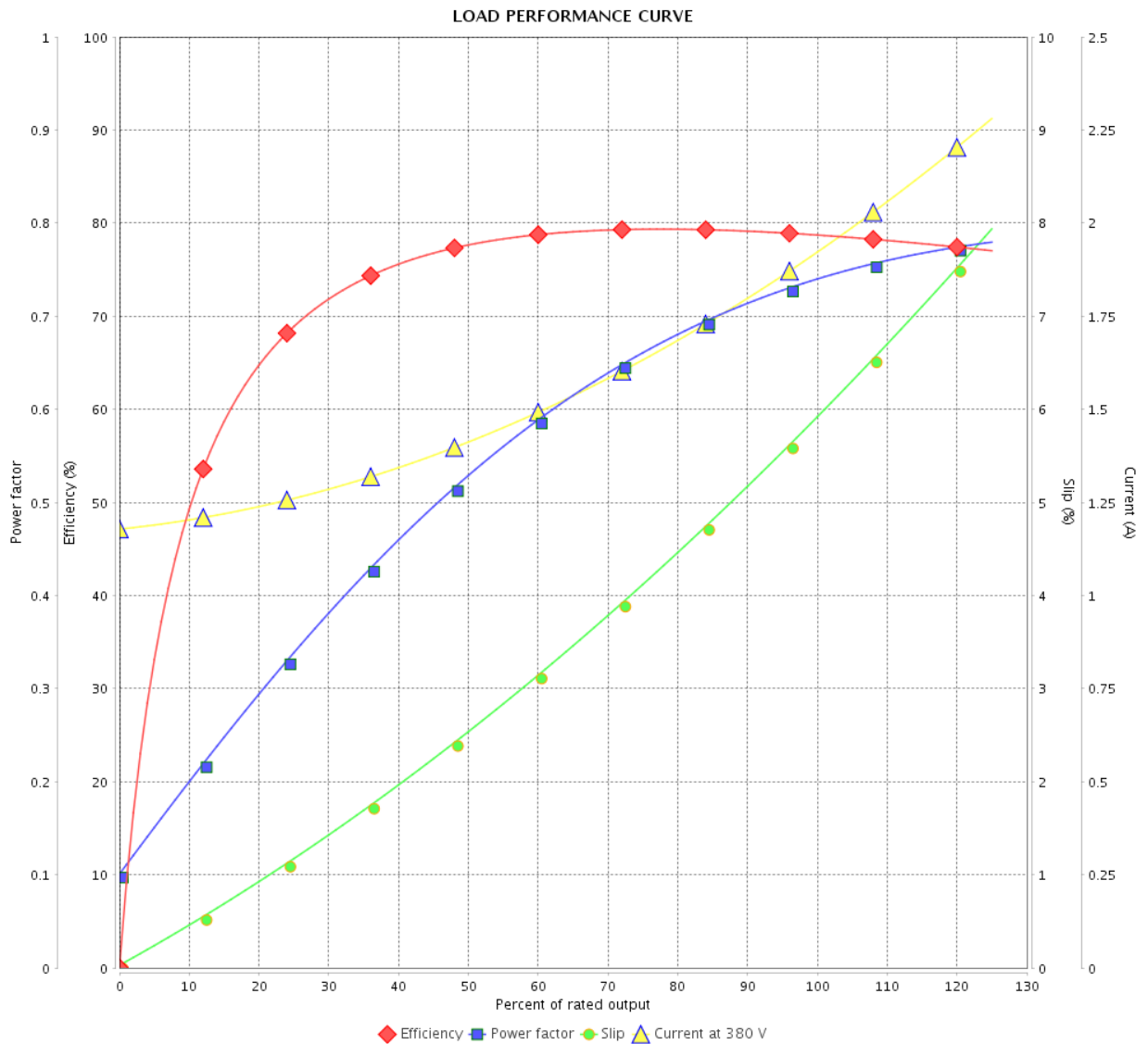


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22



Performance : 380 V 50 Hz 6P IE2

Rated current : 1.96 A
 LRC : 4.8
 Rated torque : 5.59 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 220 %
 Rated speed : 940 rpm

Moment of inertia (J) : 0.1595 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



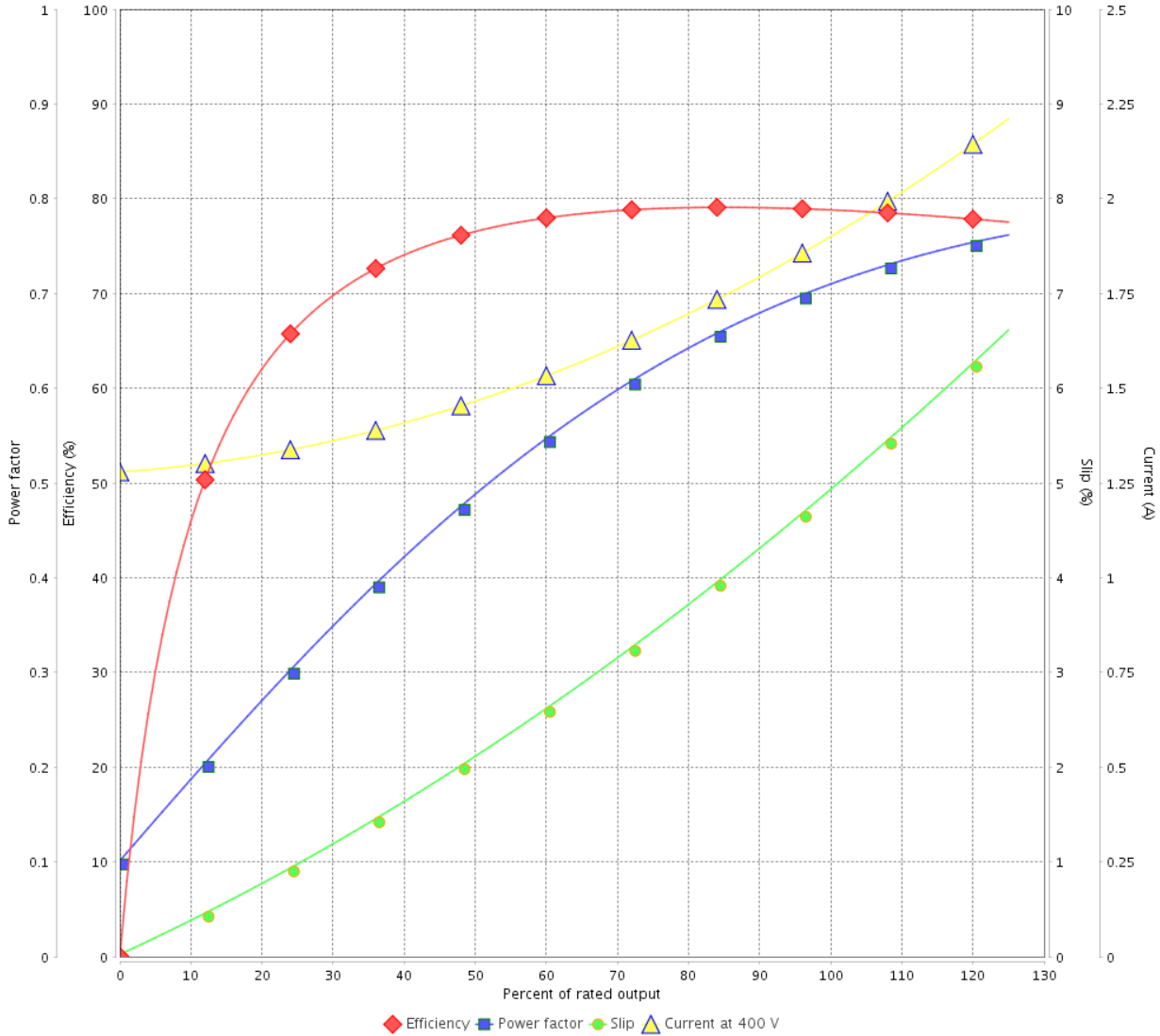
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22

LOAD PERFORMANCE CURVE



Performance : 400 V 50 Hz 6P IE2

Rated current : 1.94 A
 LRC : 5.2
 Rated torque : 5.53 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 260 %
 Rated speed : 950 rpm

Moment of inertia (J) : 0.1595 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

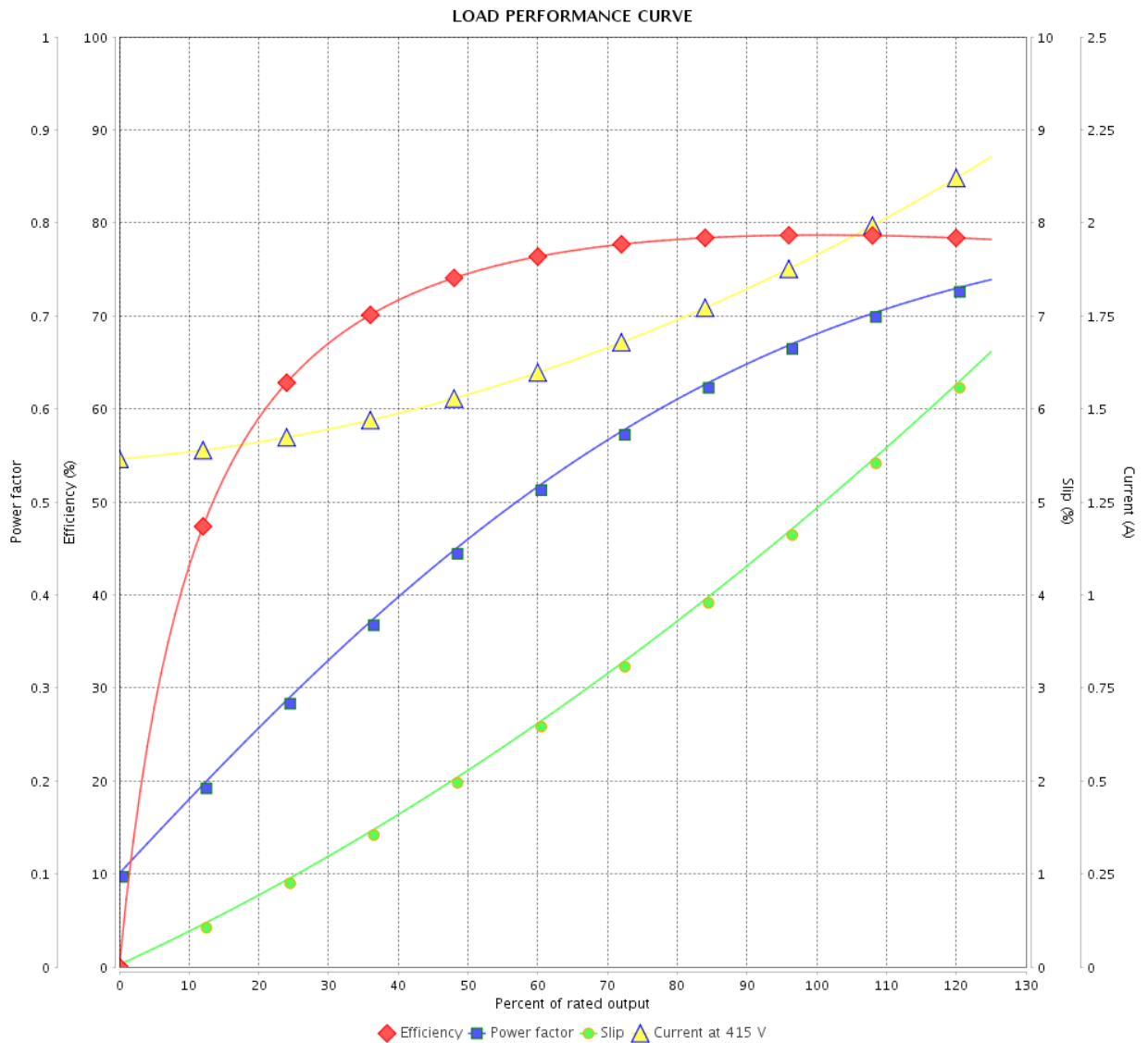


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22



Performance : 415 V 50 Hz 6P IE2

Rated current : 1.95 A
 LRC : 5.5
 Rated torque : 5.53 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 280 %
 Rated speed : 950 rpm

Moment of inertia (J) : 0.1595 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 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 : 11766896
Catalog # : 00112ST3QIE145TC-W22

Performance : 460 V 60 Hz 6P

Rated current	: 1.73 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 4.53 ft.lb	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.25
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1160 rpm	Design	: B

Heating constant

Cooling constant

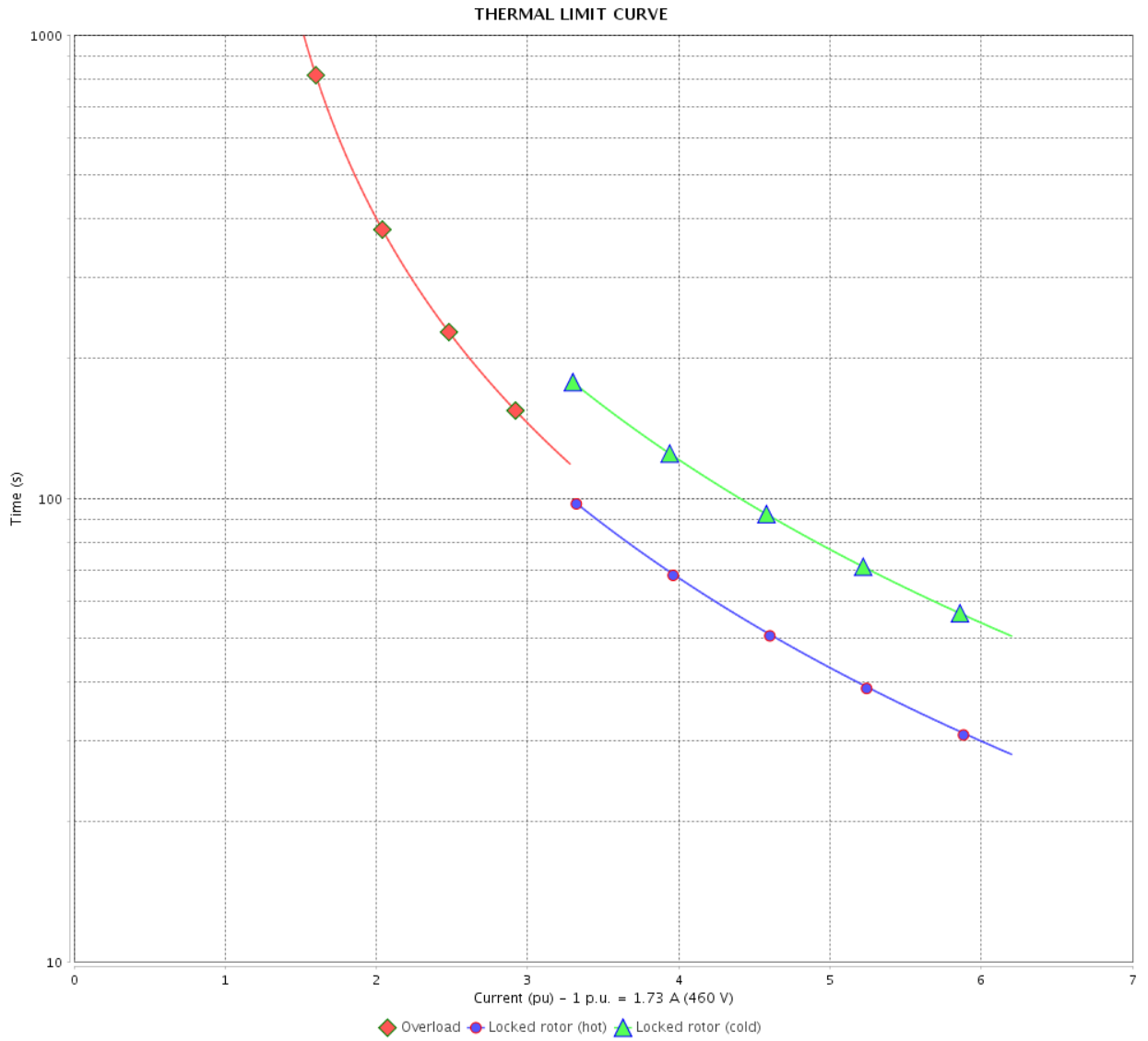
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Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 11766896
Catalog # : 00112ST3QIE145TC-W22

Performance : 380 V 50 Hz 6P IE3

Rated current	: 1.60 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 4.10 ft.lb	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.00
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 960 rpm	Design	: B

Heating constant

Cooling constant

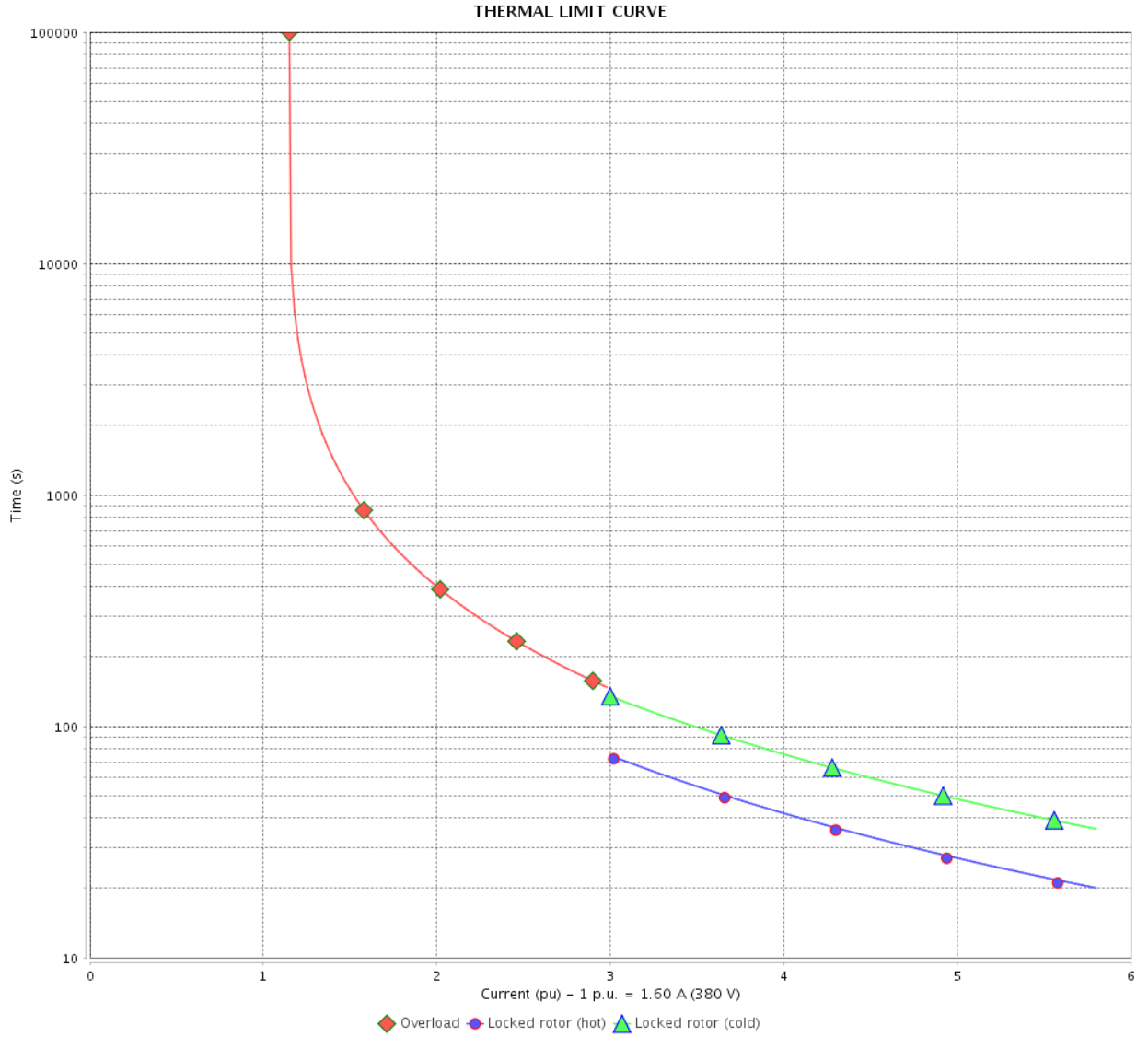
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Three Phase Induction Motor - Squirrel Cage



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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 11766896
Catalog # : 00112ST3QIE145TC-W22

Performance : 400 V 50 Hz 6P IE3

Rated current	: 1.62 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 6.1	Duty cycle	: Cont.(S1)
Rated torque	: 4.06 ft.lb	Insulation class	: F
Locked rotor torque	: 300 %	Service factor	: 1.00
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 970 rpm	Design	: B

Heating constant

Cooling constant

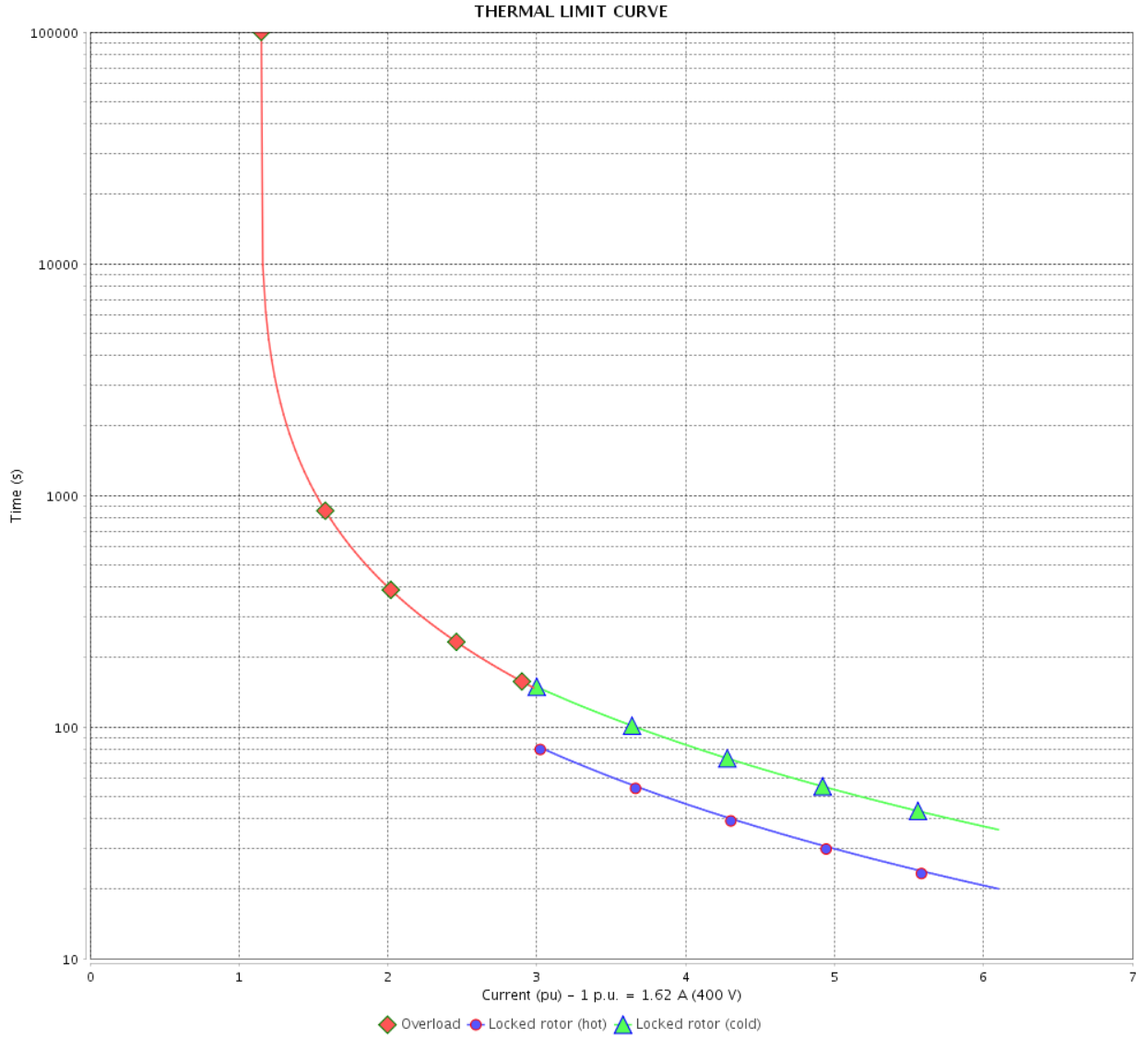
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



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LRC : 6.3	Duty cycle : Cont.(S1)
Rated torque : 4.06 ft.lb	Insulation class : F
Locked rotor torque : 320 %	Service factor : 1.00
Breakdown torque : 340 %	Temperature rise : 80 K
Rated speed : 970 rpm	Design : B

Heating constant

Cooling constant

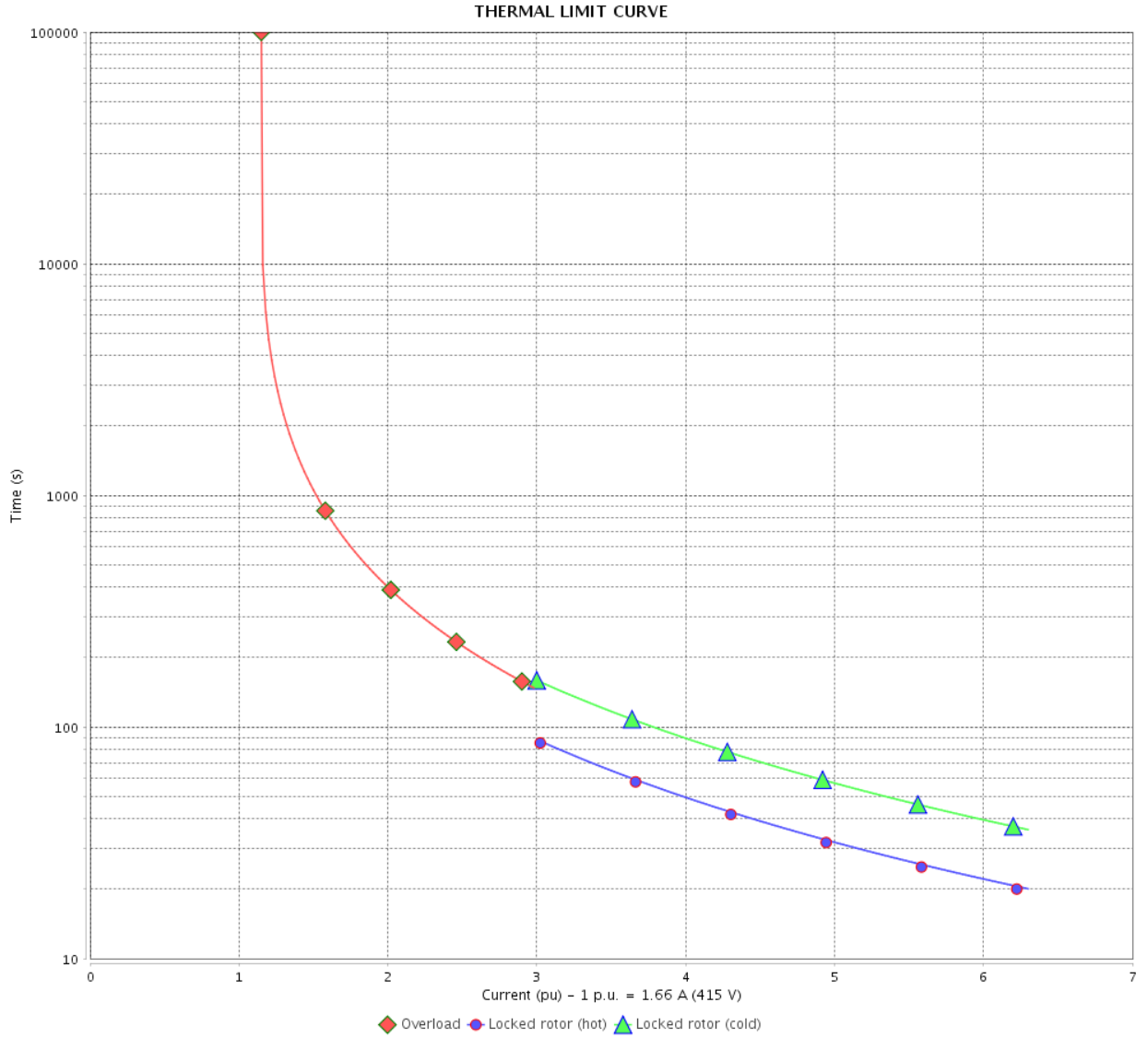
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THERMAL LIMIT CURVE

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Performance : 380 V 50 Hz 6P IE2

Rated current	: 1.96 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 4.8	Duty cycle	: Cont.(S1)
Rated torque	: 5.59 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 220 %	Temperature rise	: 80 K
Rated speed	: 940 rpm	Design	: B

Heating constant

Cooling constant

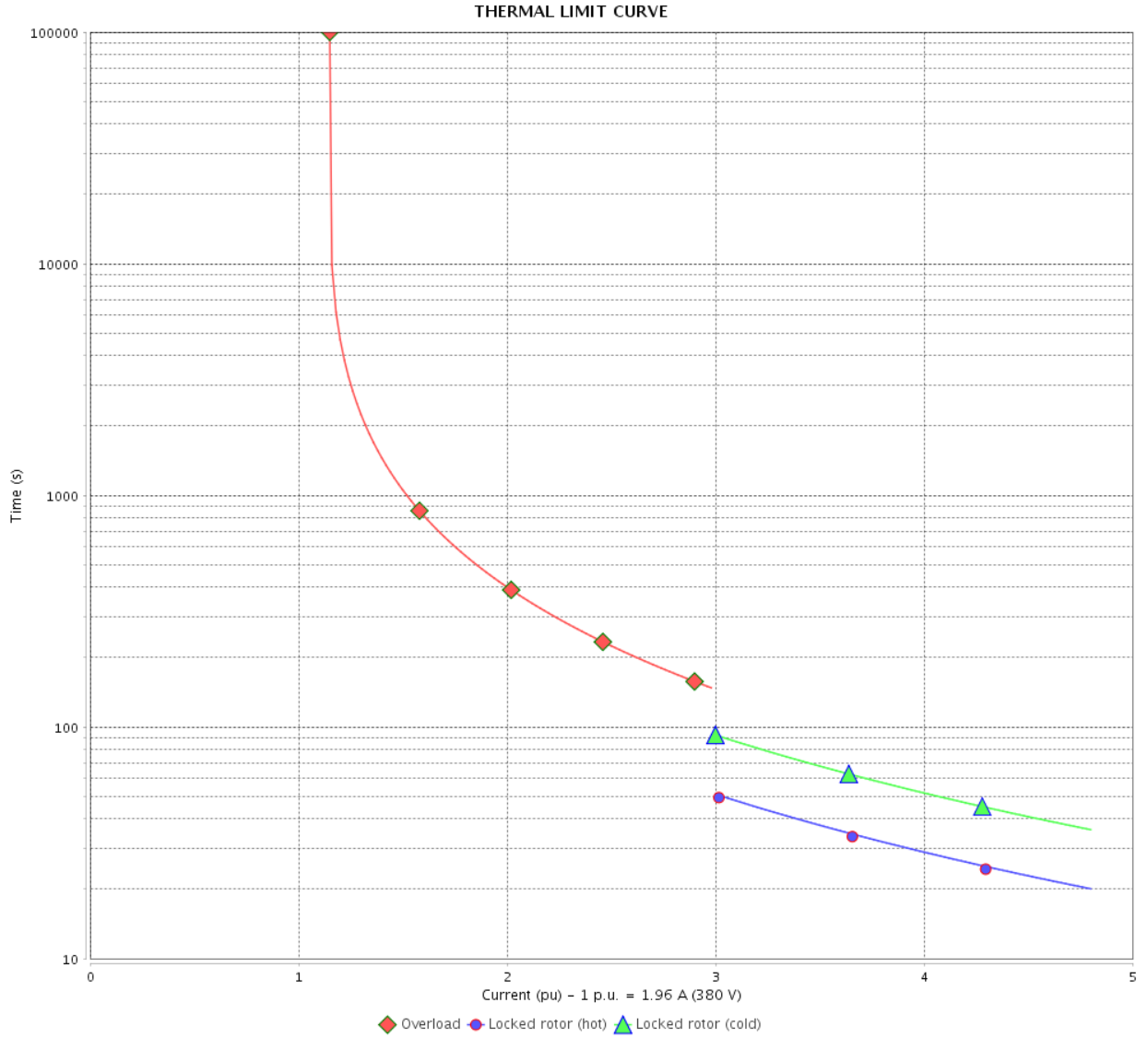
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Catalog # : 00112ST3QIE145TC-W22

Performance : 400 V 50 Hz 6P IE2

Rated current	: 1.94 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 5.2	Duty cycle	: Cont.(S1)
Rated torque	: 5.53 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.00
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 950 rpm	Design	: B

Heating constant

Cooling constant

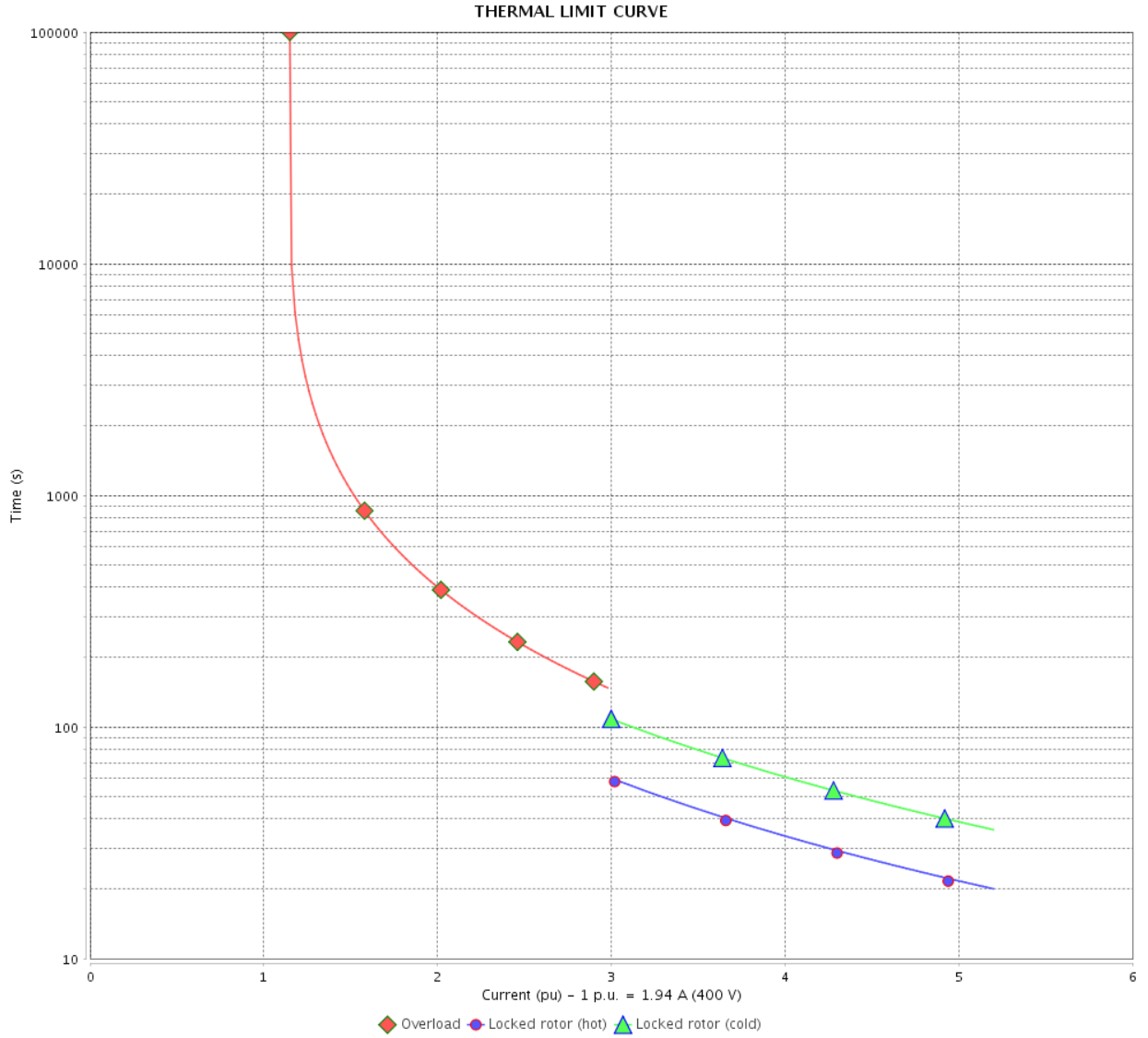
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	11/04/2022		Page 26 / 36	Revision

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Performed by		Page		Revision
Checked by		27 / 36		
Date		11/04/2022		

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 11766896
Catalog # : 00112ST3QIE145TC-W22

Performance : 415 V 50 Hz 6P IE2

Rated current	: 1.95 A	Moment of inertia (J)	: 0.1595 sq.ft.lb
LRC	: 5.5	Duty cycle	: Cont.(S1)
Rated torque	: 5.53 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.00
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 950 rpm	Design	: B

Heating constant

Cooling constant

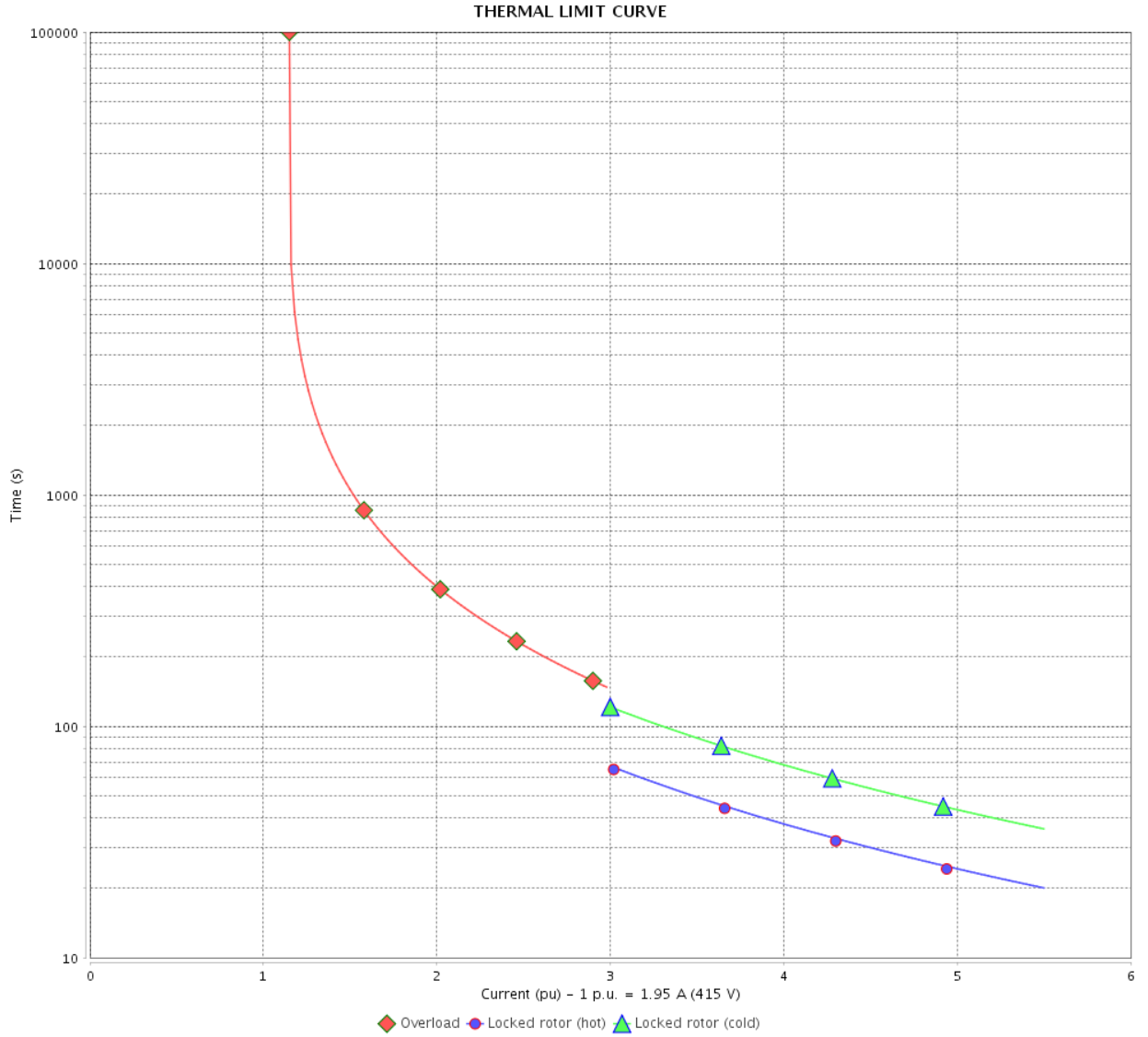
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	11/04/2022		28 / 36	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Performed by		Page 29 / 36		Revision
Checked by				
Date				

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



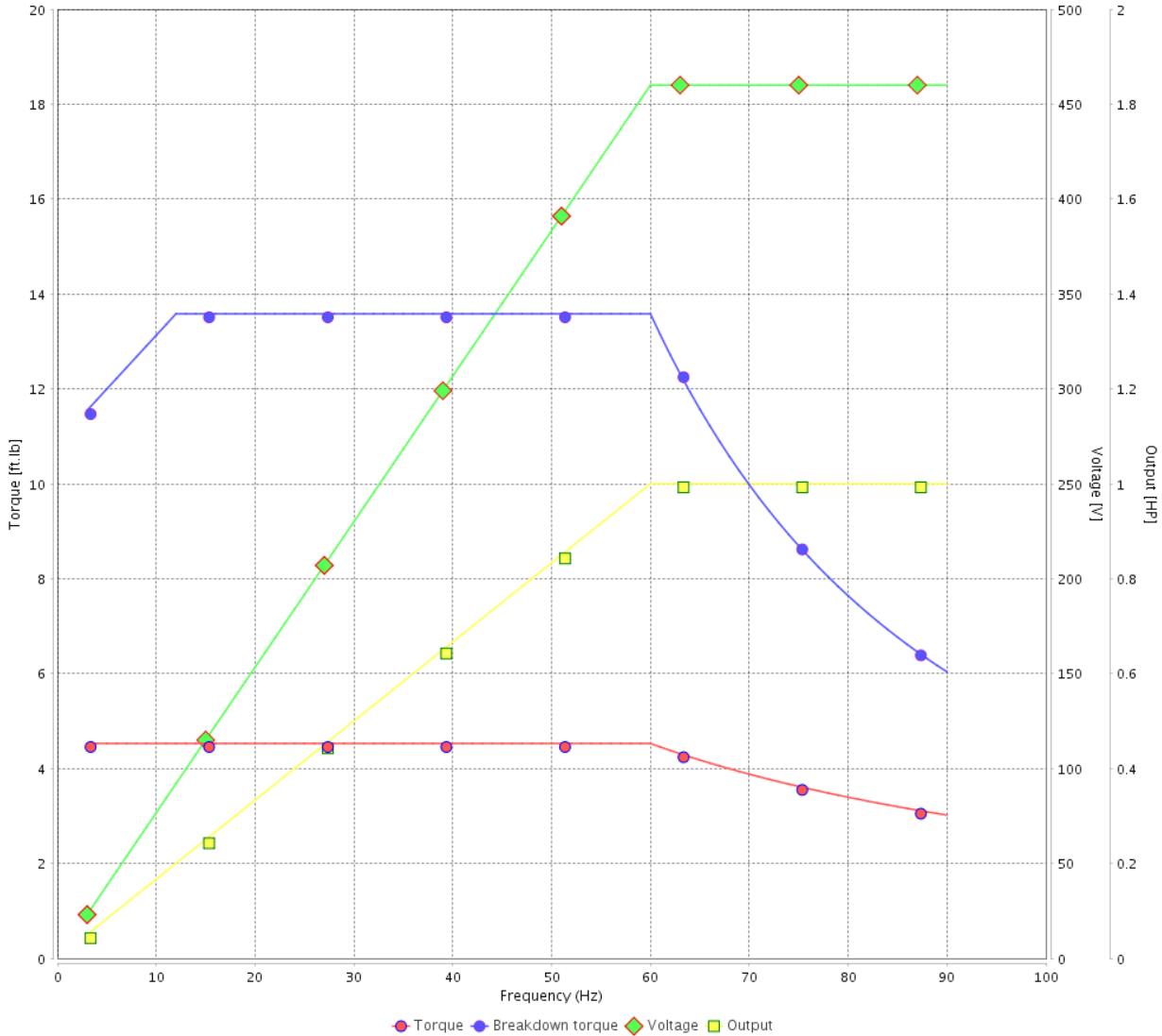
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22

VFD OPERATION CURVE



Performance : 460 V 60 Hz 6P

Rated current : 1.73 A
 LRC : 6.2
 Rated torque : 4.53 ft.lb
 Locked rotor torque : 260 %
 Breakdown torque : 300 %
 Rated speed : 1160 rpm

Moment of inertia (J) : 0.1595 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

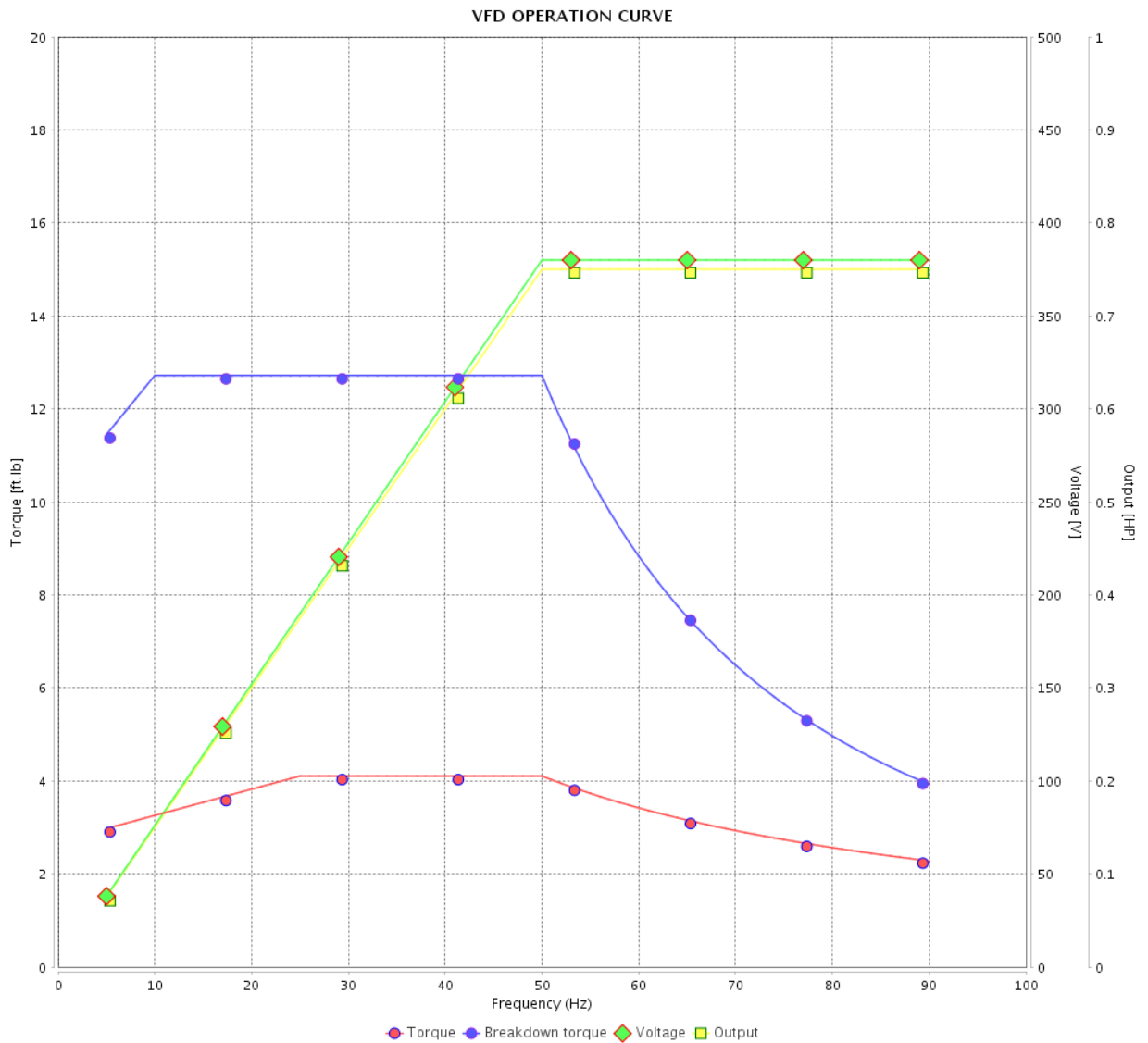


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22



Performance : 380 V 50 Hz 6P IE3

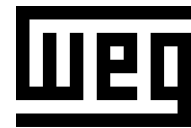
Rated current : 1.60 A
 LRC : 5.8
 Rated torque : 4.10 ft.lb
 Locked rotor torque : 280 %
 Breakdown torque : 310 %
 Rated speed : 960 rpm

Moment of inertia (J) : 0.1595 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		31 / 36		
Date		11/04/2022		

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

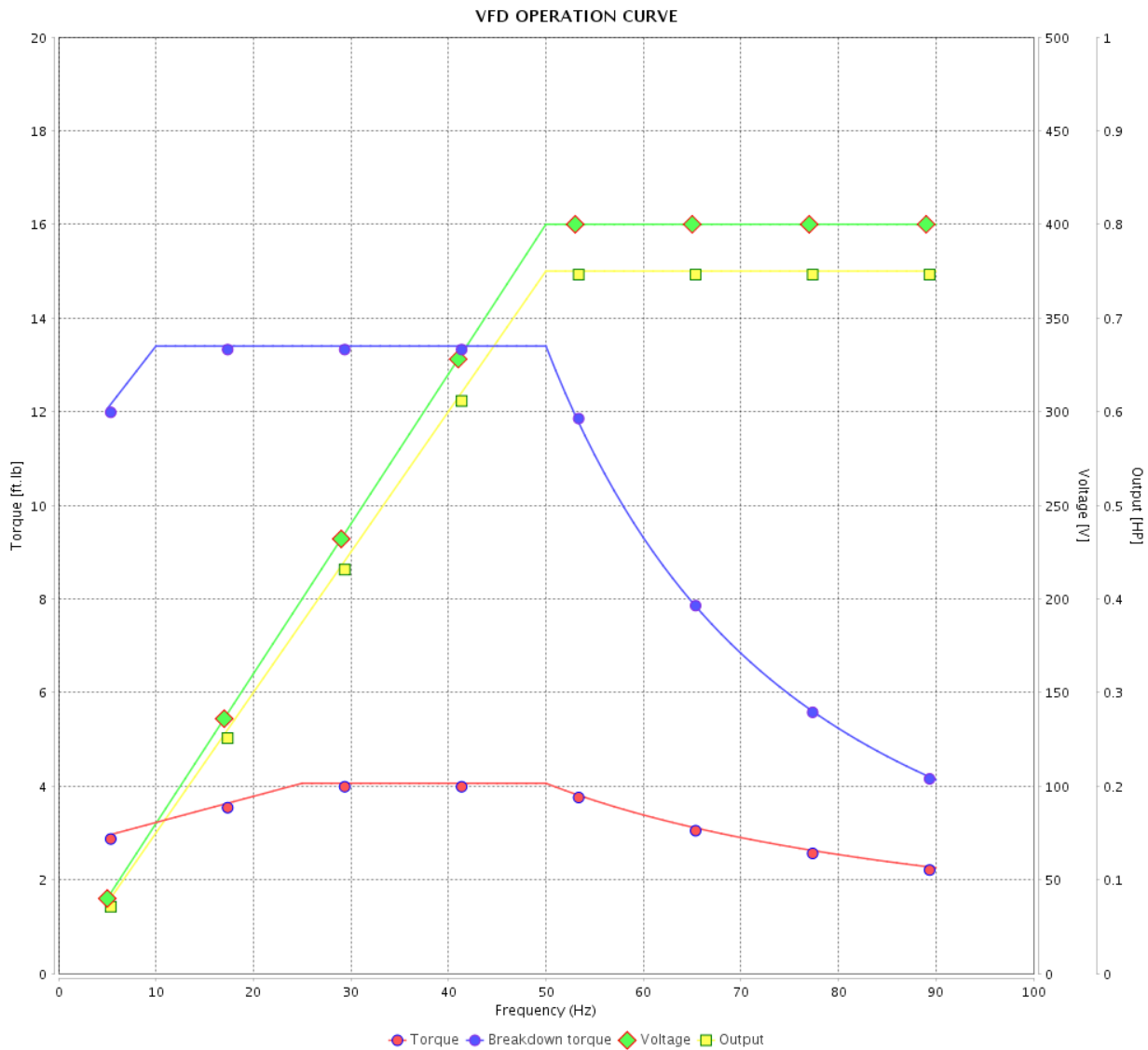


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22



Performance : 400 V 50 Hz 6P IE3

Rated current : 1.62 A
 LRC : 6.1
 Rated torque : 4.06 ft.lb
 Locked rotor torque : 300 %
 Breakdown torque : 330 %
 Rated speed : 970 rpm

Moment of inertia (J) : 0.1595 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

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Performed by			Page 32 / 36	Revision
Checked by				
Date	11/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

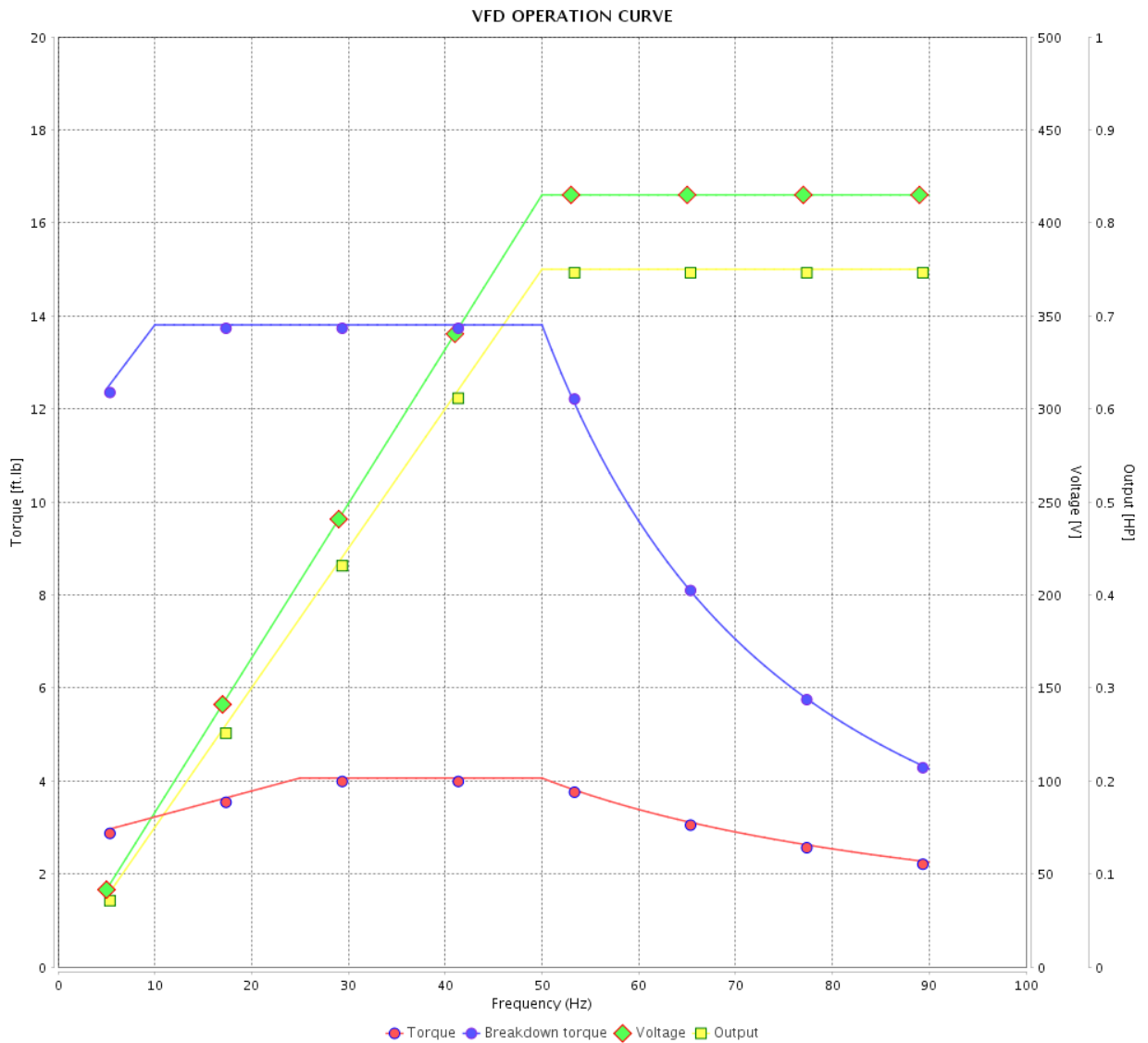


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22



Performance : 415 V 50 Hz 6P IE3

Rated current : 1.66 A
 LRC : 6.3
 Rated torque : 4.06 ft.lb
 Locked rotor torque : 320 %
 Breakdown torque : 340 %
 Rated speed : 970 rpm

Moment of inertia (J) : 0.1595 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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Date		11/04/2022		

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



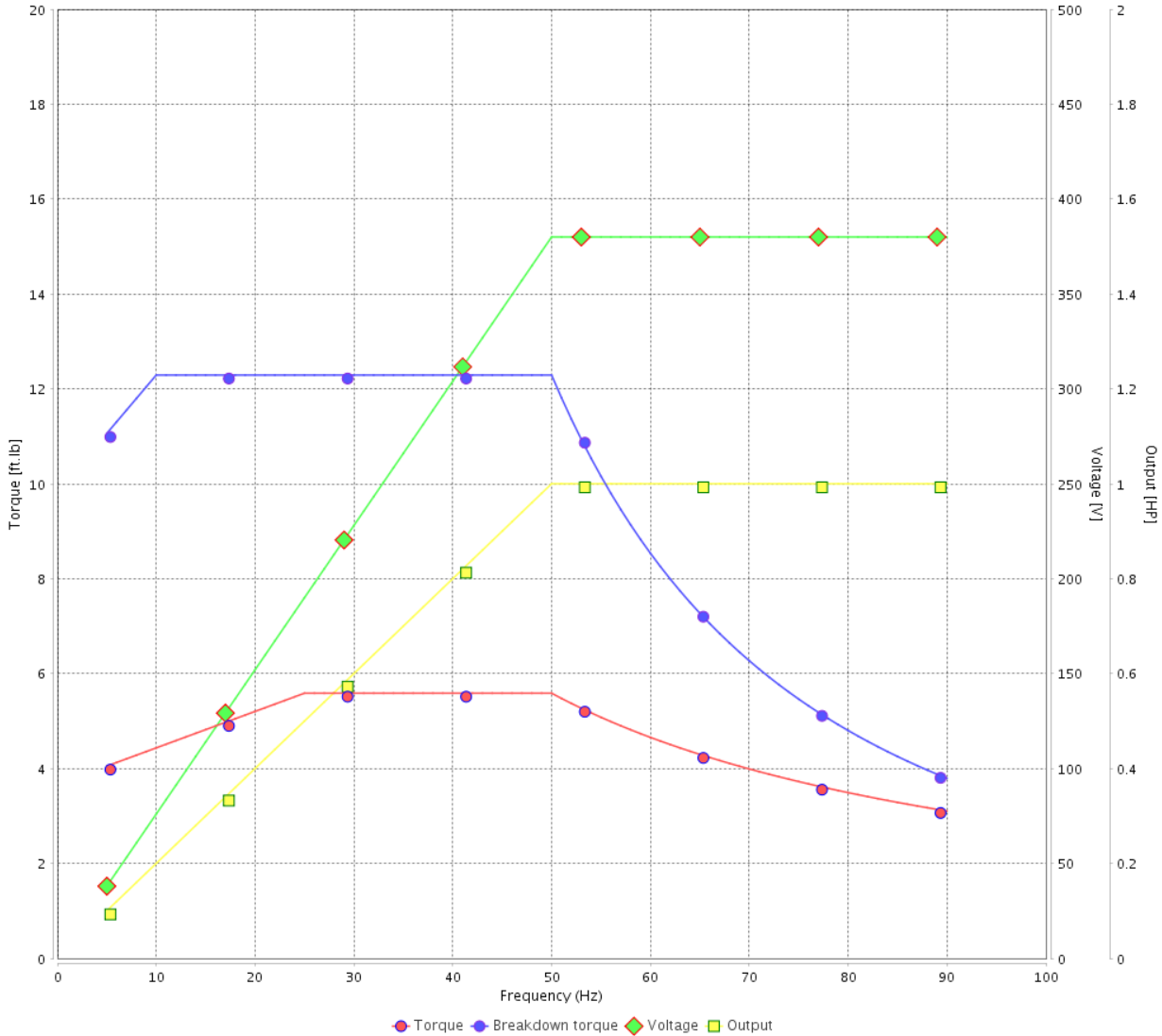
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22

VFD OPERATION CURVE



Performance : 380 V 50 Hz 6P IE2

Rated current : 1.96 A
 LRC : 4.8
 Rated torque : 5.59 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 220 %
 Rated speed : 940 rpm

Moment of inertia (J) : 0.1595 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 34 / 36	Revision
Checked by				
Date	11/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

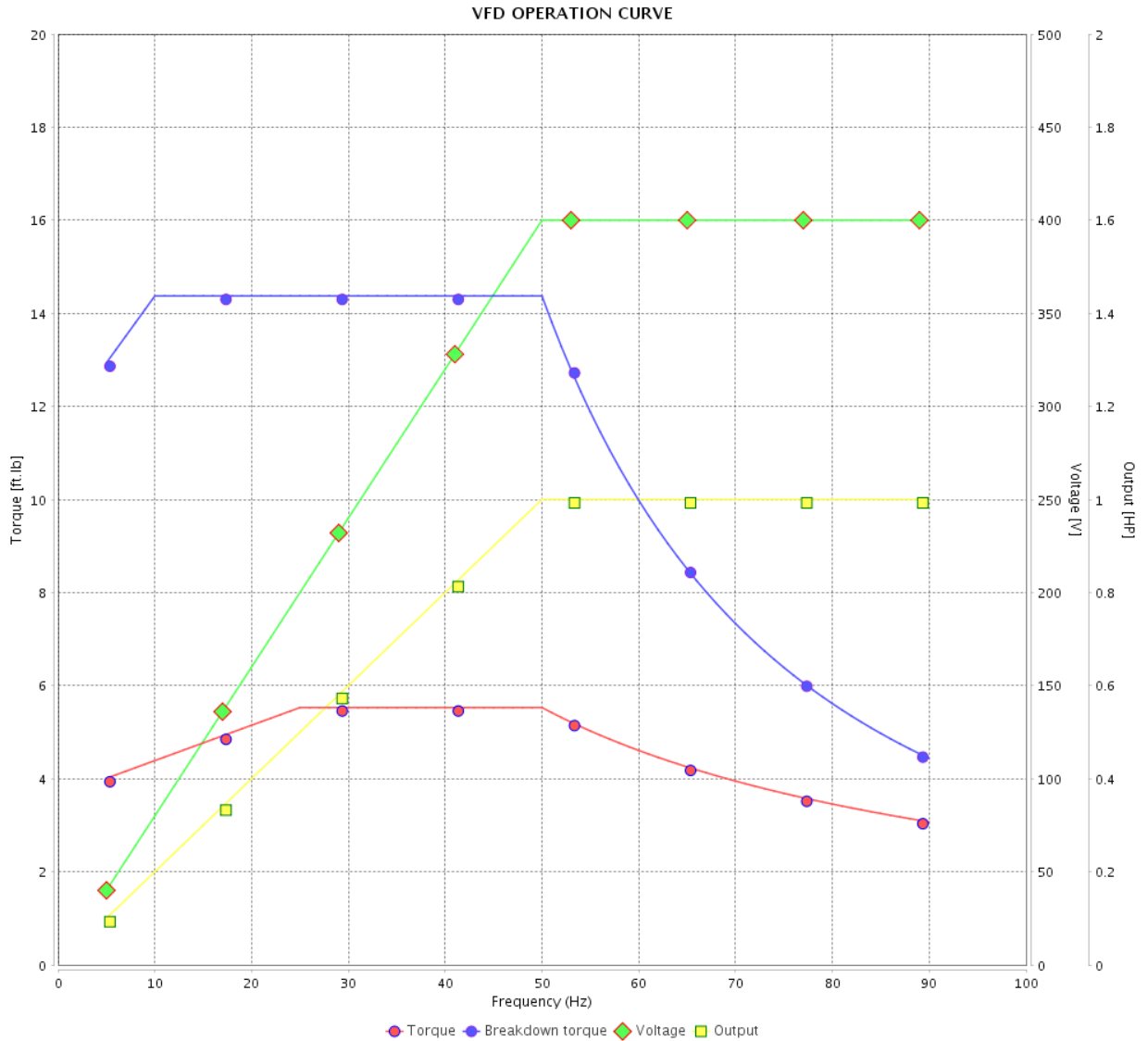


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22



Performance : 400 V 50 Hz 6P IE2

Rated current : 1.94 A
 LRC : 5.2
 Rated torque : 5.53 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 260 %
 Rated speed : 950 rpm

Moment of inertia (J) : 0.1595 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 35 / 36
Checked by				
Date	11/04/2022			
				Revision

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



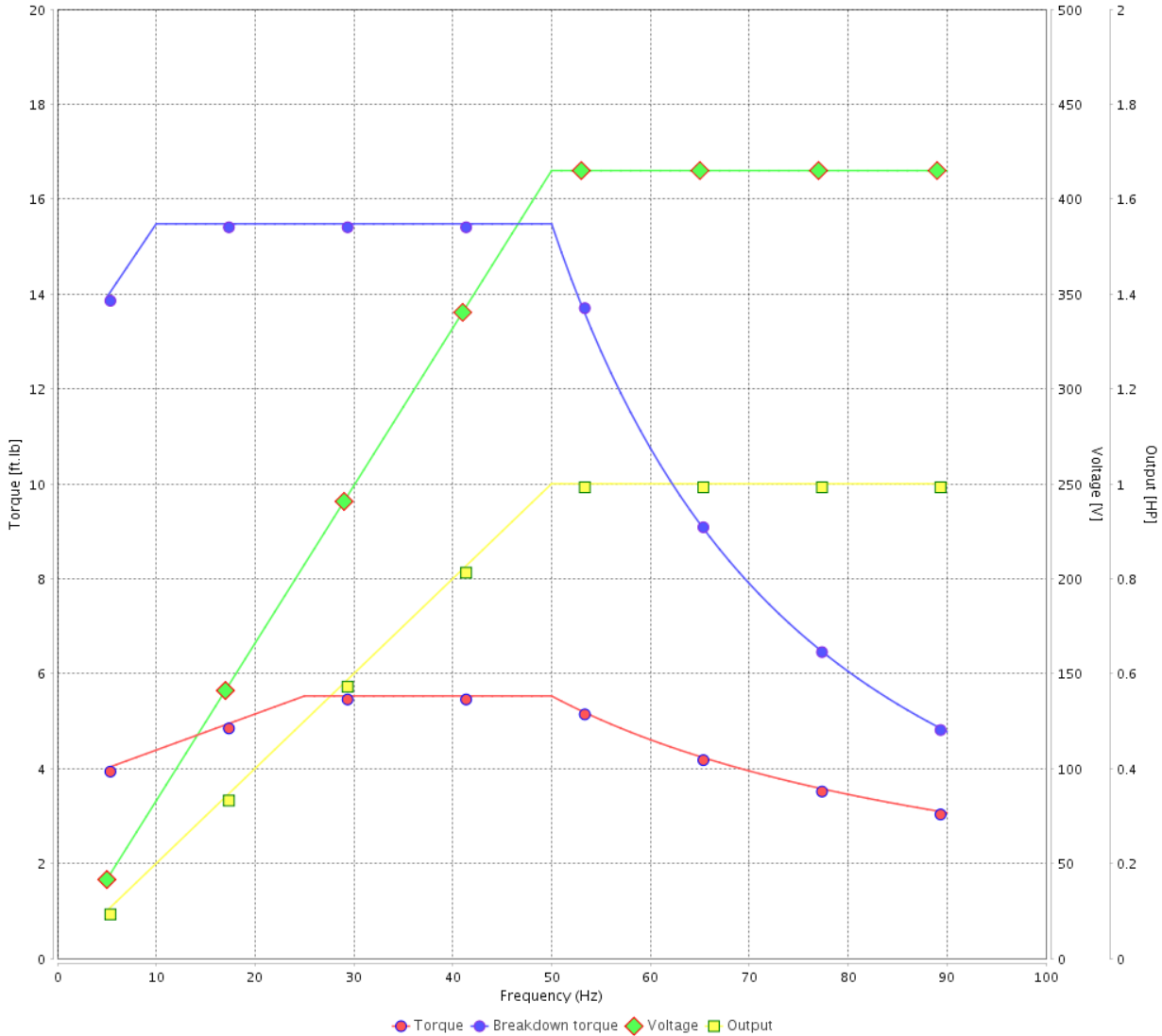
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11766896

Catalog # : 00112ST3QIE145TC-W22

VFD OPERATION CURVE

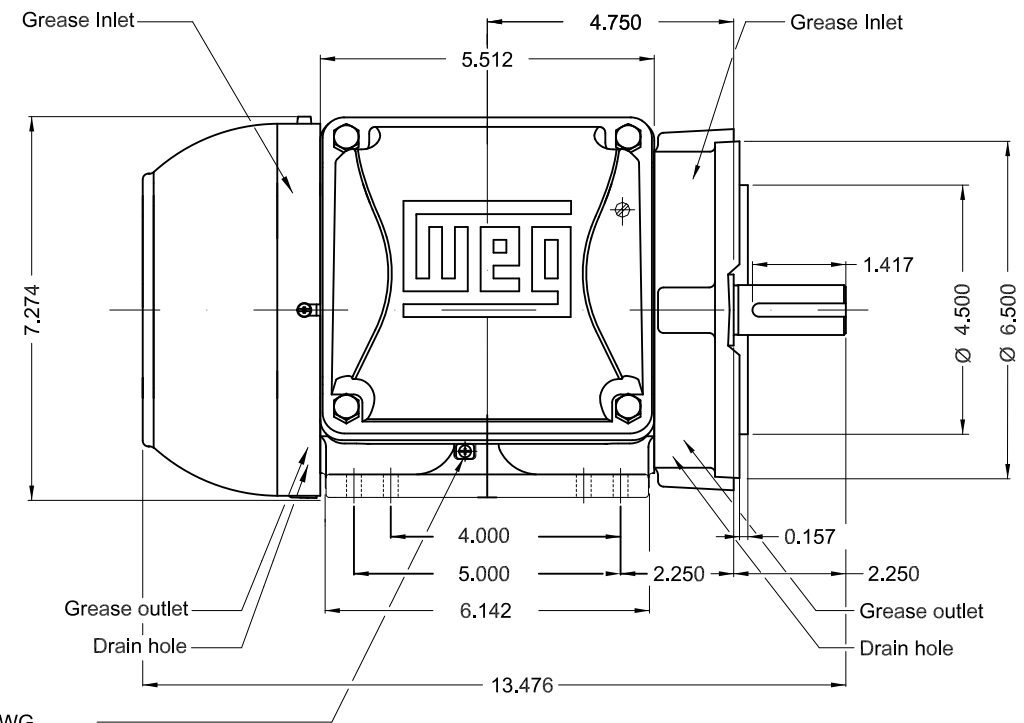
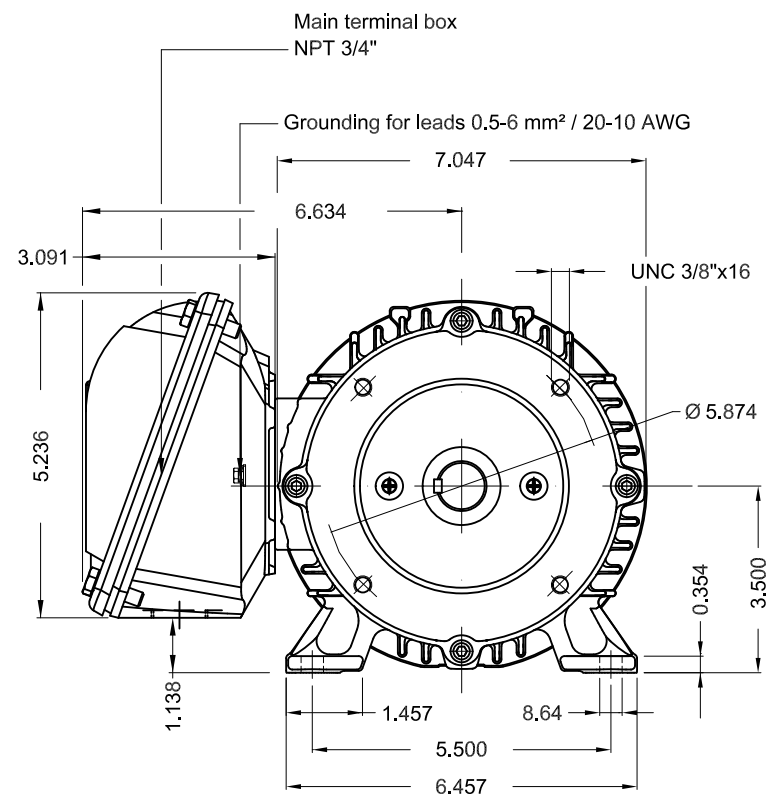


Performance : 415 V 50 Hz 6P IE2

Rated current : 1.95 A
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 Rated torque : 5.53 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 280 %
 Rated speed : 950 rpm

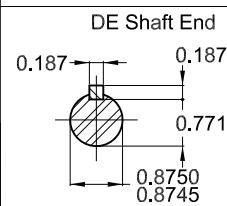
Moment of inertia (J) : 0.1595 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
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Date	11/04/2022			



Grounding for leads 0.5-6 mm² / 20-10 AWG

Color RAL 5009
 Painting plan 202E
 Mounting B34R(D)



1 HP 06 Poles 60 Hz

A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER	THREE PH. MOTOR IEEE 841 W22 PREM. EFF.					
CHECKED		FRAME 143/5TC IP55 TEFC					
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1		

PREVIEW
WDD



MADE IN BRAZIL
11766896



NEMA
Premium



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 - T5
For use on PWM: Gr. A, B, C, D, F and G,
VT 1000:1, CT 20:1, 1.00SF - T4A

MODEL 00112ST3QIE145TC-W22

Inverter Duty Motor
Severe Duty

IEEE
841-2009



FOR SAFE AREA
Mod. TE1BFOXON
CC029A

PH3 60Hz Fr. 143/5TC 1000m.a.s.l. IP55 TEFC 64lb

V 460

A 1.73

HP 1.0

kW 0.75

SF 1.25

SFA 2.16

RPM 1160

PF 0.66

AMB 40°C

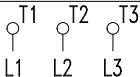
INS cl. F DT80K

NEMA NOM EFF 82.5%

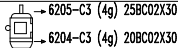
DUTY CONT.

DES B Code K

GUARANT. EFF 80.0%



460V



MOBIL POLYREX EM (20000h)

