

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :								
Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	11437961					
		Catalog # :	01018ET3E215T-W22					
Frame	: 213/5T	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	: 176 lb					
Protection degree	: IP55	Moment of inertia (J)	: 1.51 sq.ft.lb					
Design	: B							
Output [HP]	10	7.5	7.5	7.5	10	10	10	
Poles	4	4	4	4	4	4	4	
Frequency [Hz]	60	50	50	50	50	50	50	
Rated voltage [V]	230/460	380	400	415	380	400	415	
Rated current [A]	24.8/12.4	11.2	11.0	10.9	15.0	14.2	13.8	
L. R. Amperes [A]	159/79.4	75.0	78.1	81.7	76.5	79.5	82.8	
LRC [A]	6.4x(Code H)	6.7x(Code H)	7.1x(Code J)	7.5x(Code J)	5.1x(Code F)	5.6x(Code F)	6.0x(Code G)	
No load current [A]	11.3/5.65	5.60	6.00	6.35	5.60	6.00	6.35	
Rated speed [RPM]	1765	1465	1470	1470	1450	1455	1460	
Slip [%]	1.94	2.33	2.00	2.00	3.33	3.00	2.67	
Rated torque [ft.lb]	29.8	26.9	26.8	26.8	36.2	36.1	36.0	
Locked rotor torque [%]	200	200	240	260	150	180	190	
Breakdown torque [%]	295	300	340	360	220	250	270	
Service factor	1.25	1.15	1.15	1.15	1.15	1.15	1.15	
Temperature rise	80 K	80 K	80 K	80 K	80 K	80 K	80 K	
Locked rotor time	30s (cold) 17s (hot)	25s (cold) 14s (hot)	25s (cold) 14s (hot)	25s (cold) 14s (hot)	25s (cold) 14s (hot)	25s (cold) 14s (hot)	25s (cold) 14s (hot)	
Noise level ²	58.0 dB(A)	56.0 dB(A)	56.0 dB(A)	56.0 dB(A)	56.0 dB(A)	56.0 dB(A)	56.0 dB(A)	
Efficiency (%)	25%	90.8	90.0	88.8	88.0	91.6	90.7	90.1
	50%	91.0	90.0	89.2	88.7	90.3	90.3	90.3
	75%	91.7	90.0	89.9	89.8	90.2	90.2	90.2
	100%	91.7	89.8	90.1	90.3	88.5	89.5	90.2
Power Factor	25%	0.40	0.37	0.34	0.32	0.46	0.43	0.40
	50%	0.66	0.62	0.58	0.55	0.73	0.69	0.66
	75%	0.77	0.76	0.73	0.70	0.82	0.80	0.78
	100%	0.83	0.83	0.80	0.78	0.86	0.85	0.84
Bearing type	: Drive end : 6308 ZZ Non drive end : 6207 ZZ	Foundation loads		Max. traction : 460 lb Max. compression : 636 lb				
Sealing	: V'Ring	V'Ring						
Lubrication interval	: -	-						
Lubricant amount	: -	-						
Lubricant type	: Mobil Polyrex EM							
Notes USABLE @208V 27.4A SF 1.15 SFA 31.5A								
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.				
Rev.	Changes Summary			Performed	Checked	Date		
Performed by								
Checked by					Page	Revision		
Date	22/03/2021				1 / 36			

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

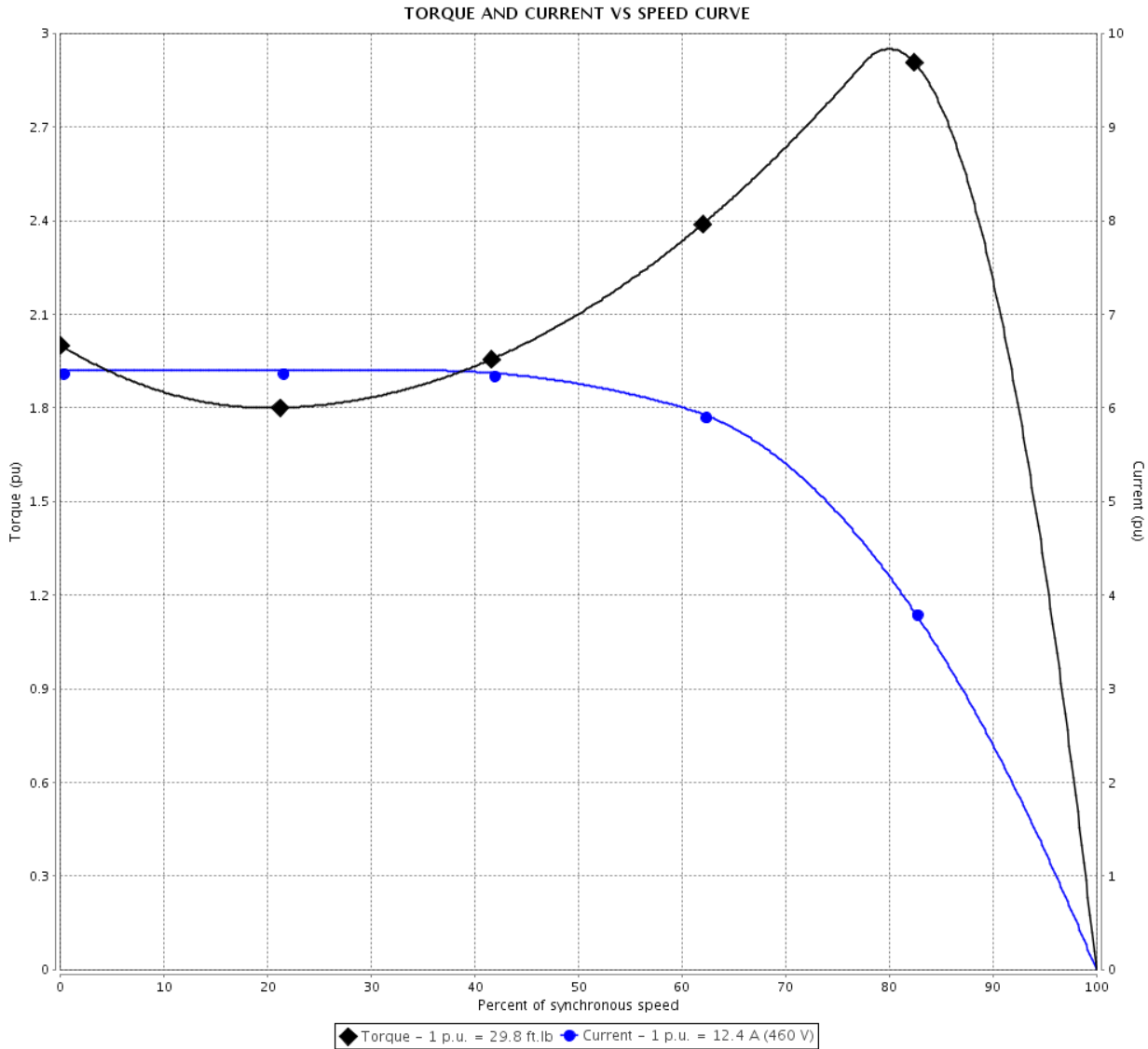


Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 230/460 V 60 Hz 4P

Rated current : 24.8/12.4 A
LRC : 6.4
Rated torque : 29.8 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 295 %
Rated speed : 1765 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

Locked rotor time : 30s (cold) 17s (hot)

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 36	Revision
Checked by				
Date	22/03/2021			

TORQUE AND CURRENT VS SPEED CURVE



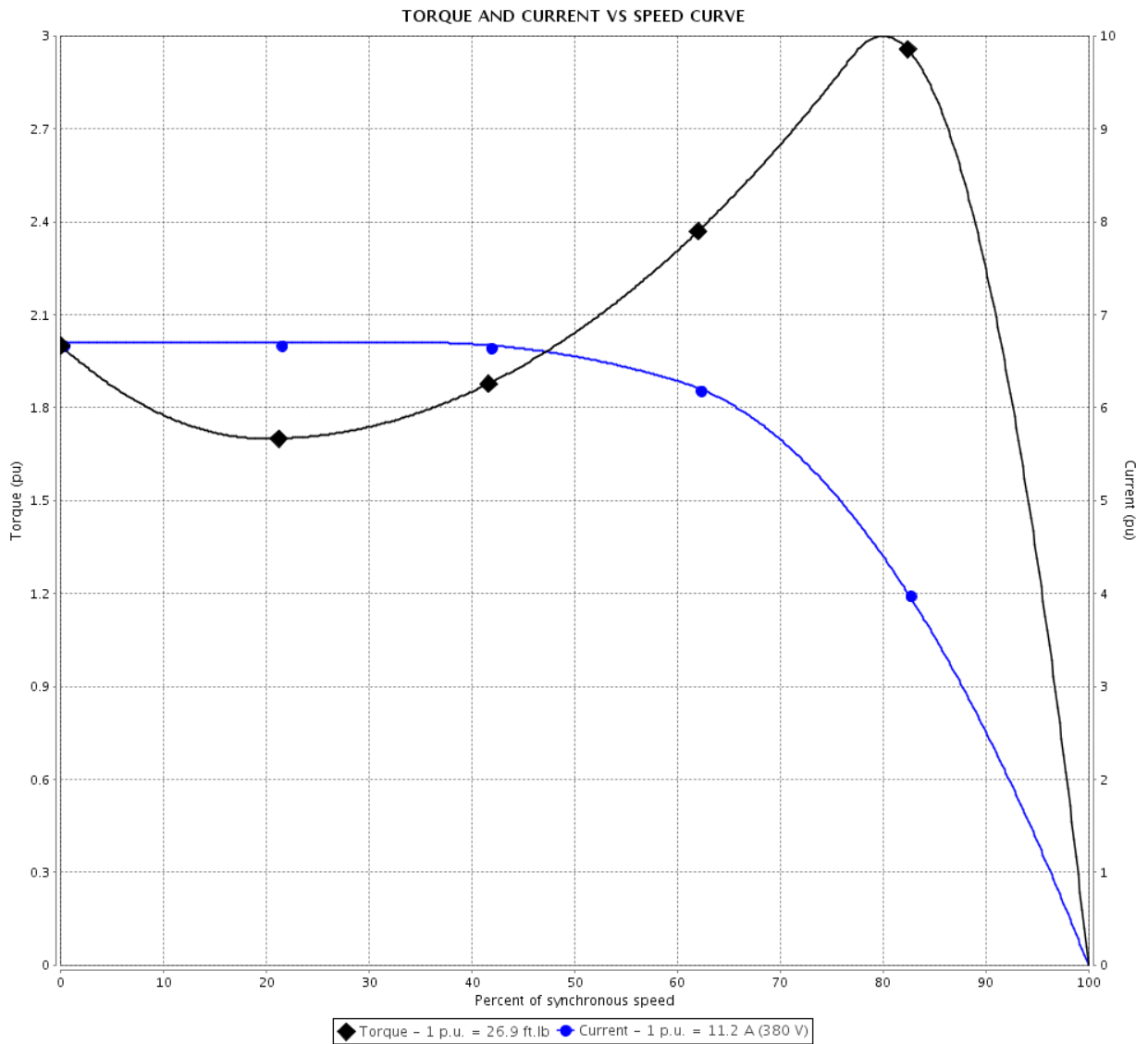
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 380 V 50 Hz 4P IE3

Rated current	: 11.2 A	Moment of inertia (J)	: 1.51 sq.ft.lb
LRC	: 6.7	Duty cycle	: Cont.(S1)
Rated torque	: 26.9 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1465 rpm	Design	: B

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 3 / 36	Revision
Checked by				
Date	22/03/2021			

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



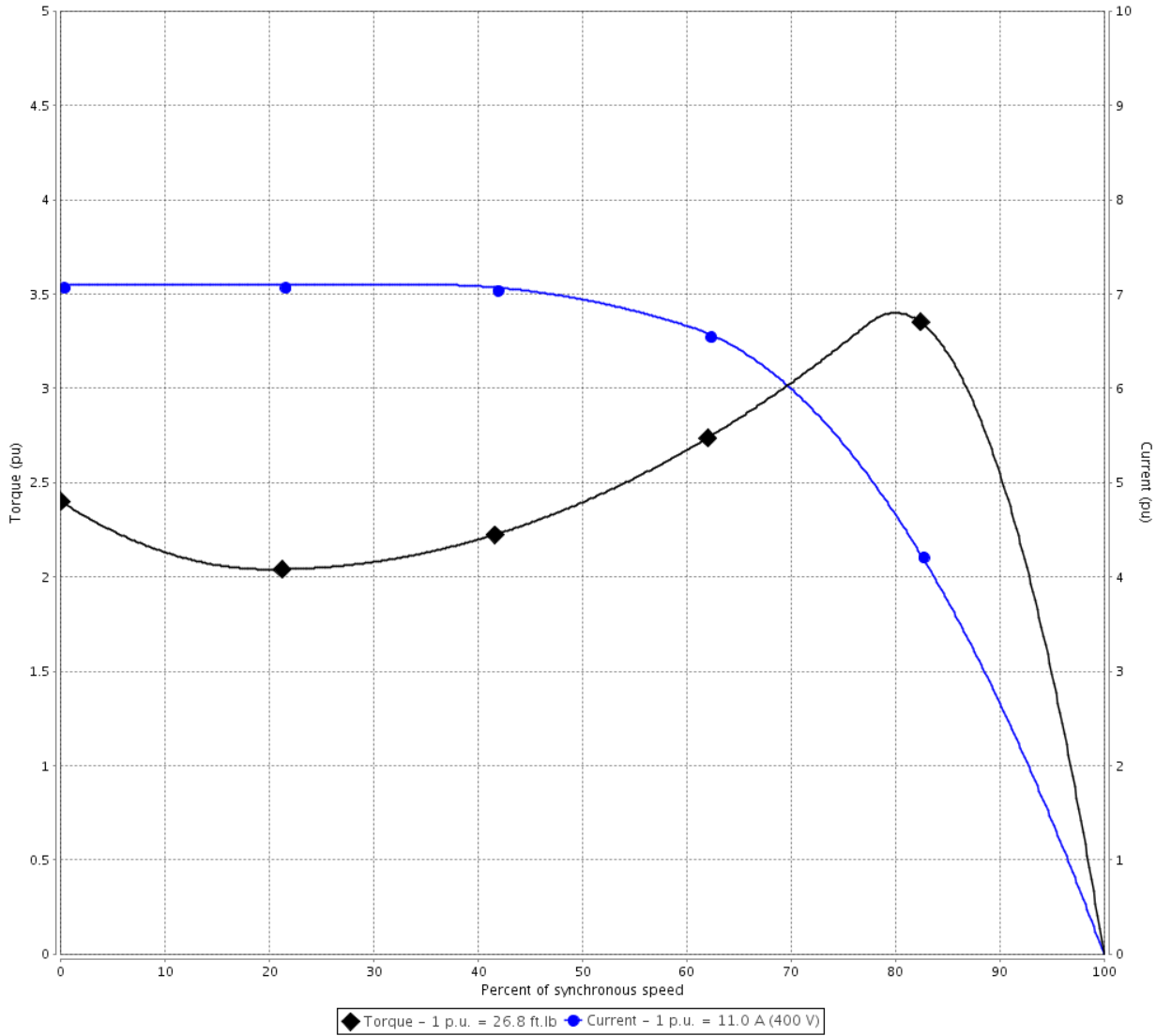
Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 400 V 50 Hz 4P IE3

Rated current	: 11.0 A	Moment of inertia (J)	: 1.51 sq.ft.lb
LRC	: 7.1	Duty cycle	: Cont.(S1)
Rated torque	: 26.8 ft.lb	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 1470 rpm	Design	: B

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 4 / 36	Revision
Checked by				
Date	22/03/2021			

TORQUE AND CURRENT VS SPEED CURVE



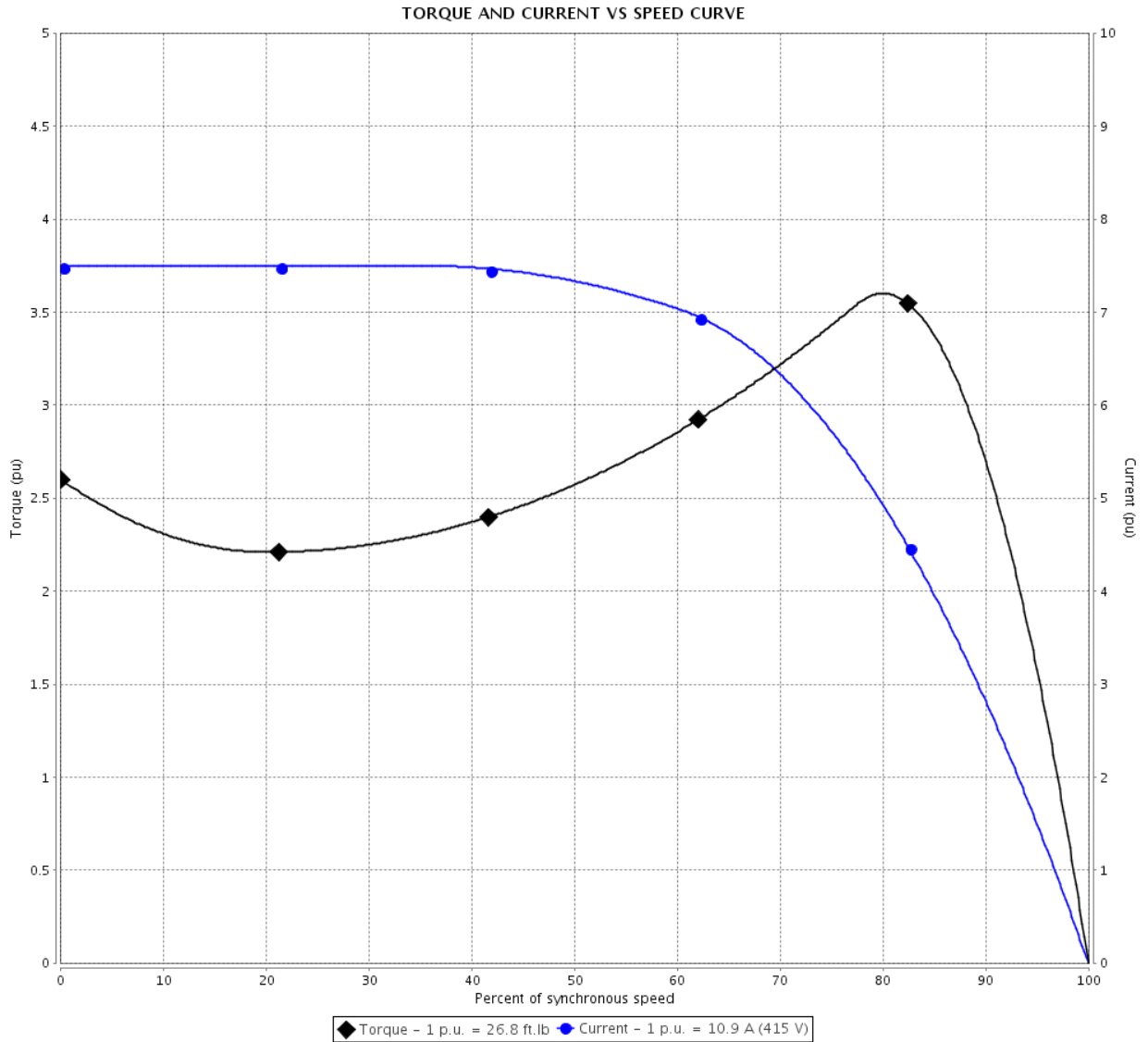
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 415 V 50 Hz 4P IE3

Rated current	: 10.9 A	Moment of inertia (J)	: 1.51 sq.ft.lb
LRC	: 7.5	Duty cycle	: Cont.(S1)
Rated torque	: 26.8 ft.lb	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 360 %	Temperature rise	: 80 K
Rated speed	: 1470 rpm	Design	: B

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 5 / 36	Revision
Checked by				
Date	22/03/2021			

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



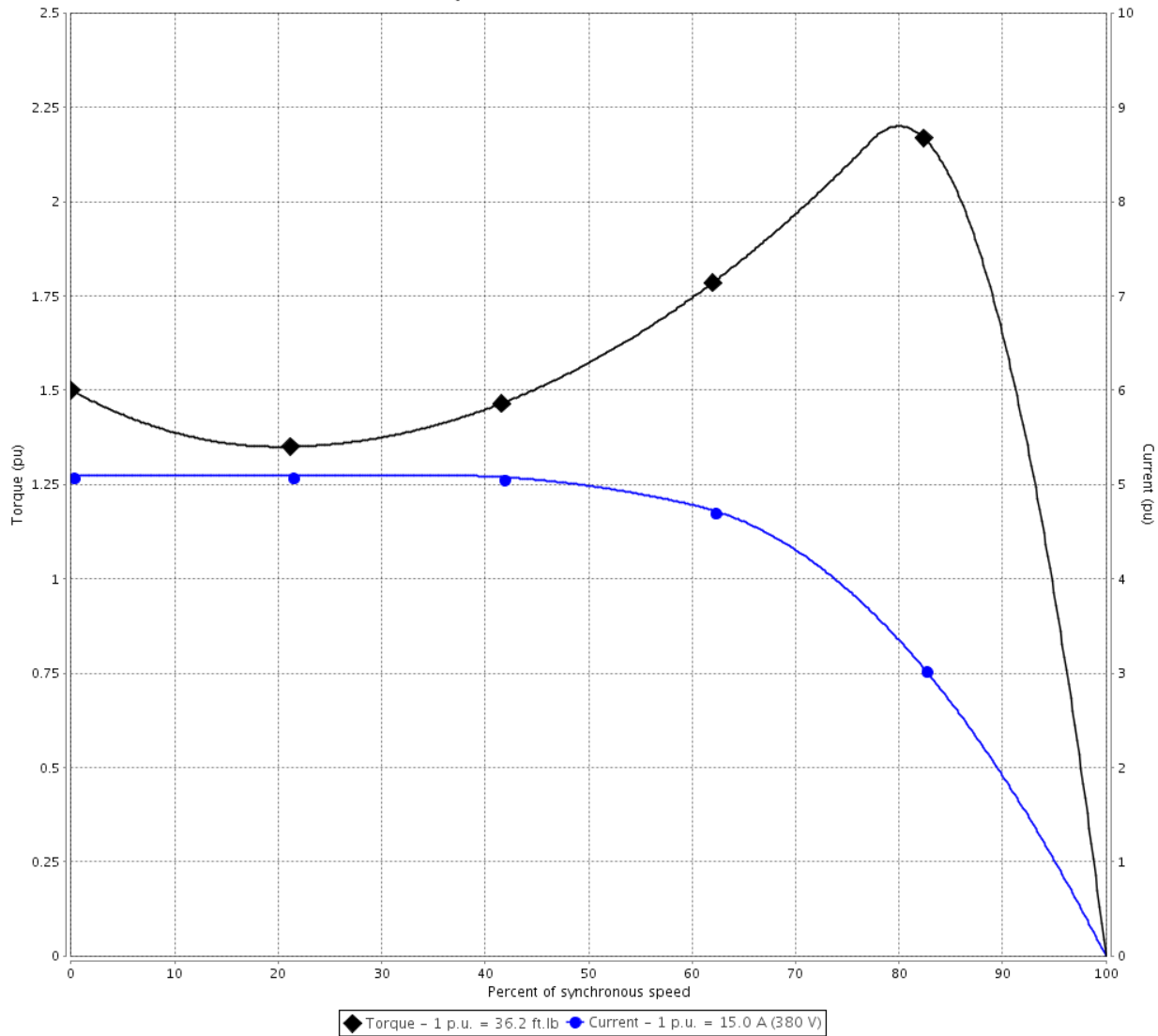
Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 380 V 50 Hz 4P IE1

Rated current	: 15.0 A	Moment of inertia (J)	: 1.51 sq.ft.lb
LRC	: 5.1	Duty cycle	: Cont.(S1)
Rated torque	: 36.2 ft.lb	Insulation class	: F
Locked rotor torque	: 150 %	Service factor	: 1.15
Breakdown torque	: 220 %	Temperature rise	: 80 K
Rated speed	: 1450 rpm	Design	: B

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 6 / 36	Revision
Checked by				
Date	22/03/2021			

TORQUE AND CURRENT VS SPEED CURVE



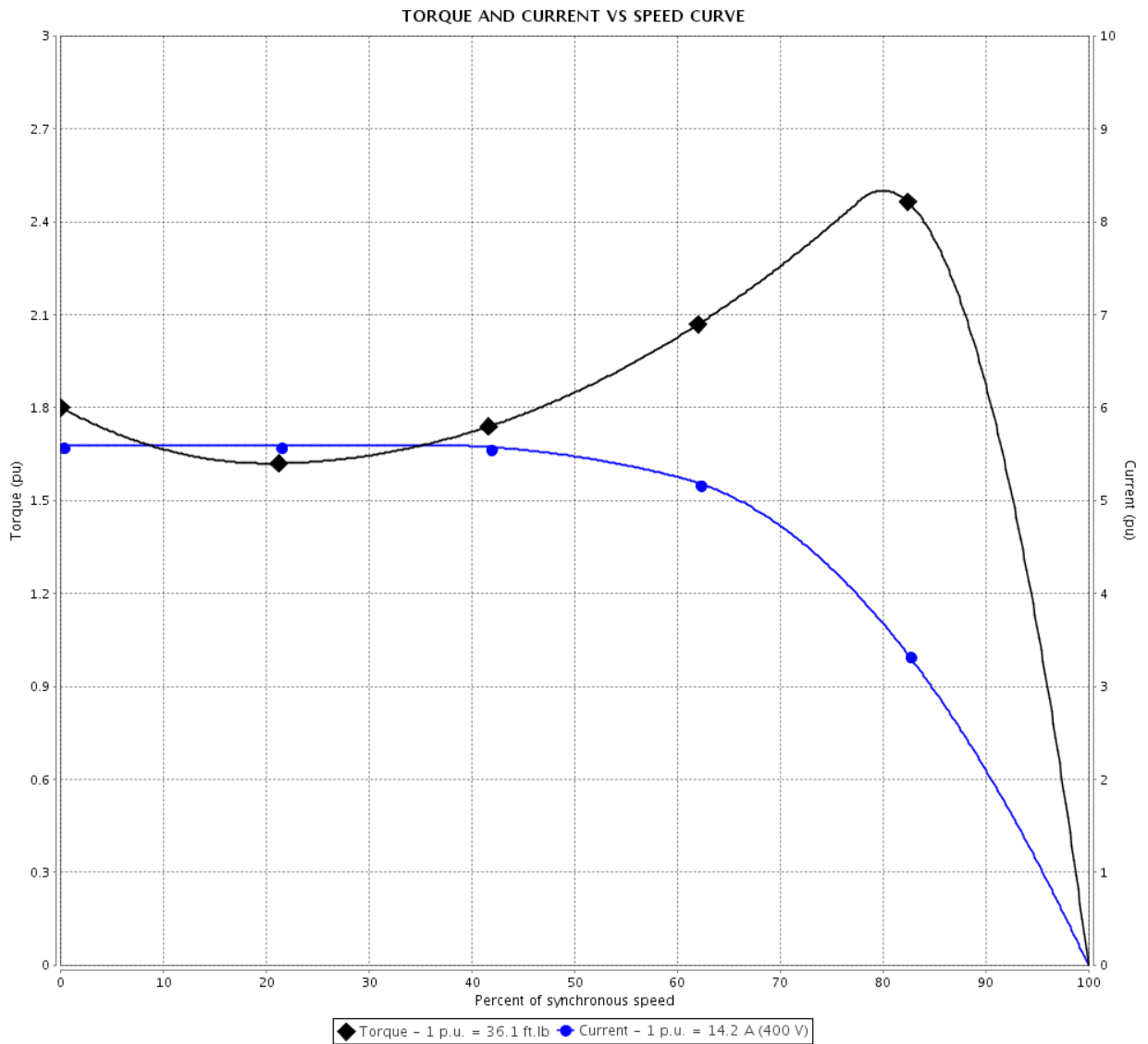
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 400 V 50 Hz 4P IE2

Rated current	: 14.2 A	Moment of inertia (J)	: 1.51 sq.ft.lb
LRC	: 5.6	Duty cycle	: Cont.(S1)
Rated torque	: 36.1 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 1455 rpm	Design	: B

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 7 / 36	Revision
Checked by				
Date	22/03/2021			

TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



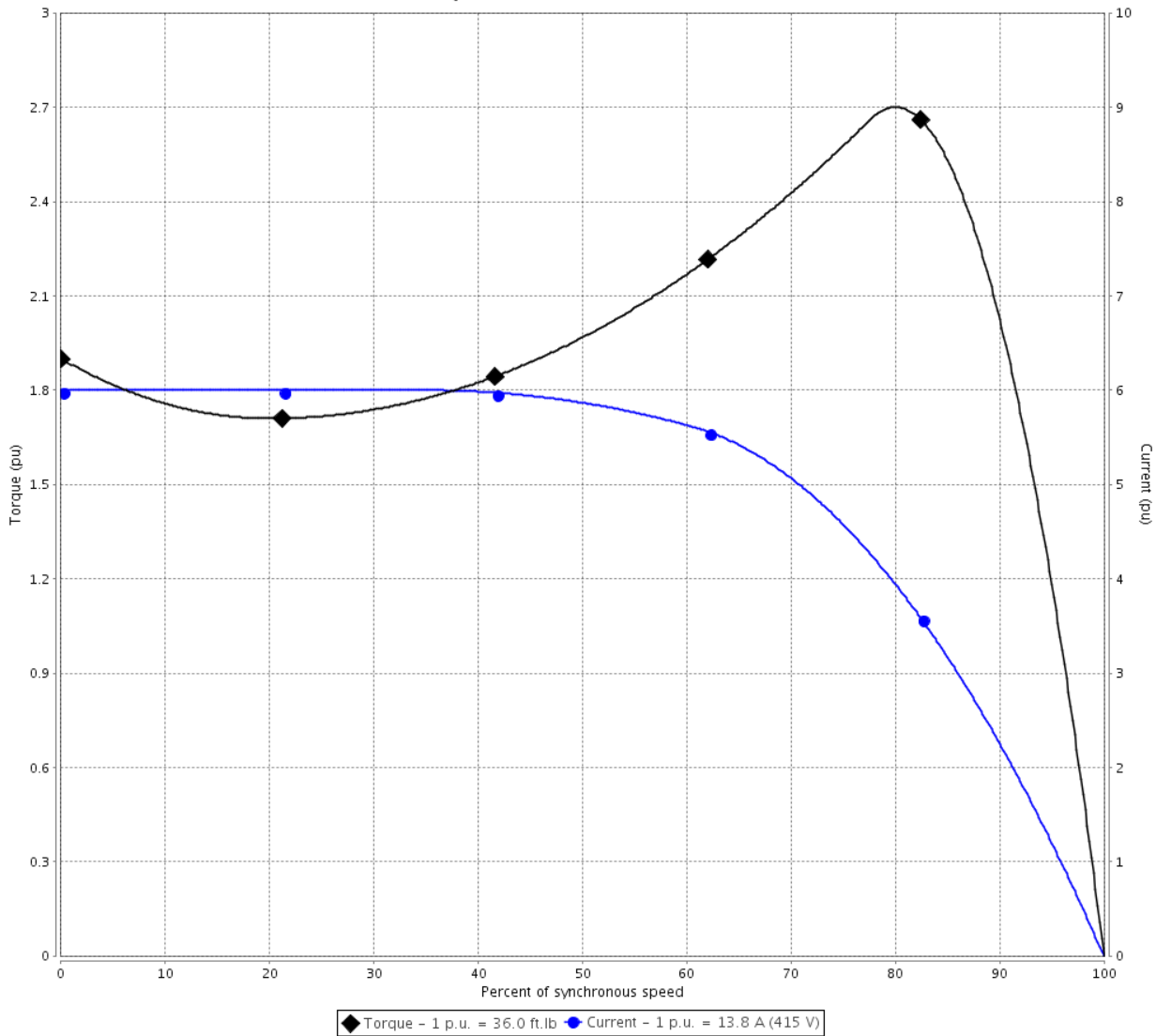
Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 415 V 50 Hz 4P IE2

Rated current	: 13.8 A	Moment of inertia (J)	: 1.51 sq.ft.lb
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 36.0 ft.lb	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1460 rpm	Design	: B

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

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 8 / 36	Revision
Checked by				
Date	22/03/2021			

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

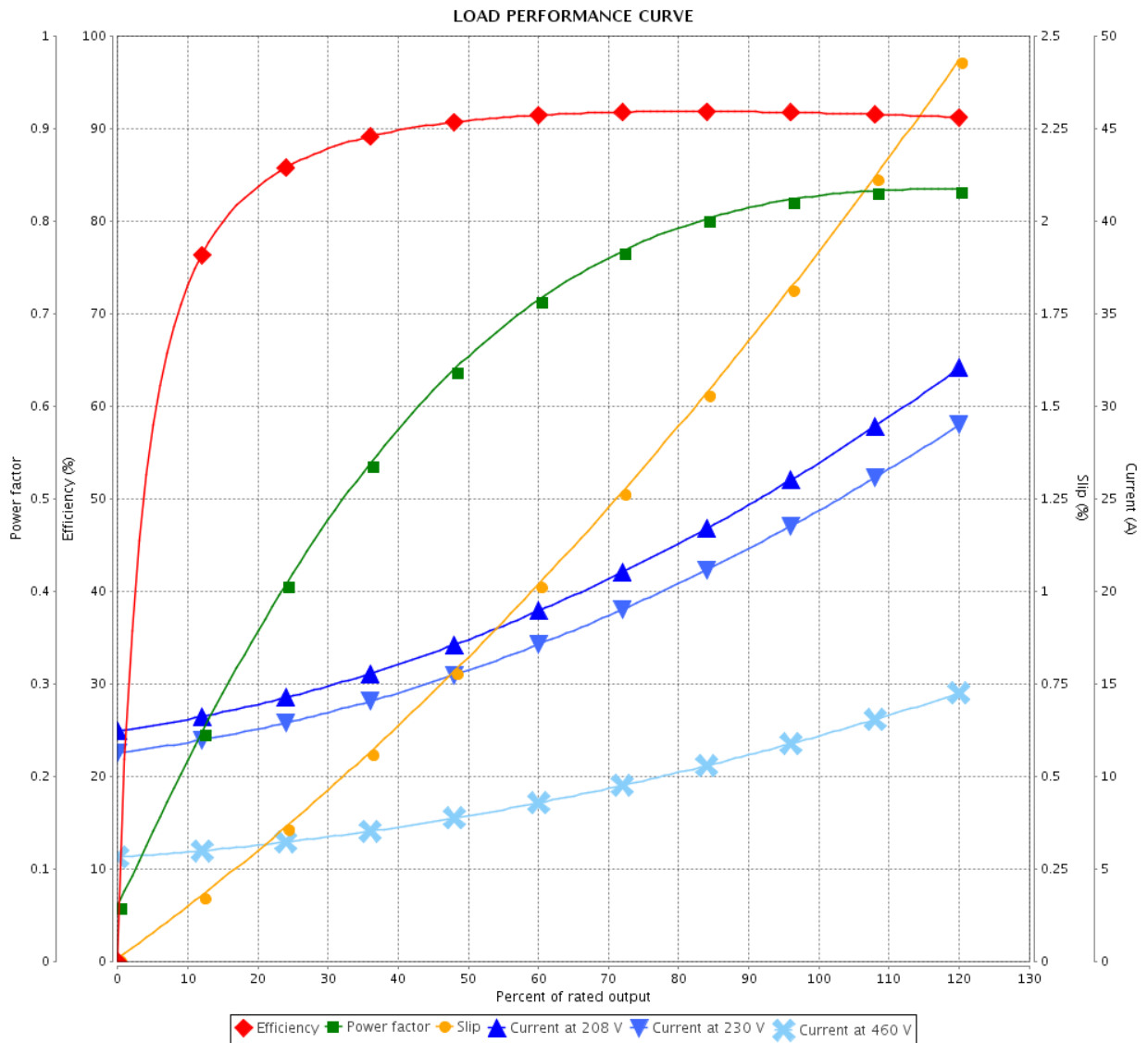


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 230/460 V 60 Hz 4P

Rated current : 24.8/12.4 A
 LRC : 6.4
 Rated torque : 29.8 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 295 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 1.51 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				

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

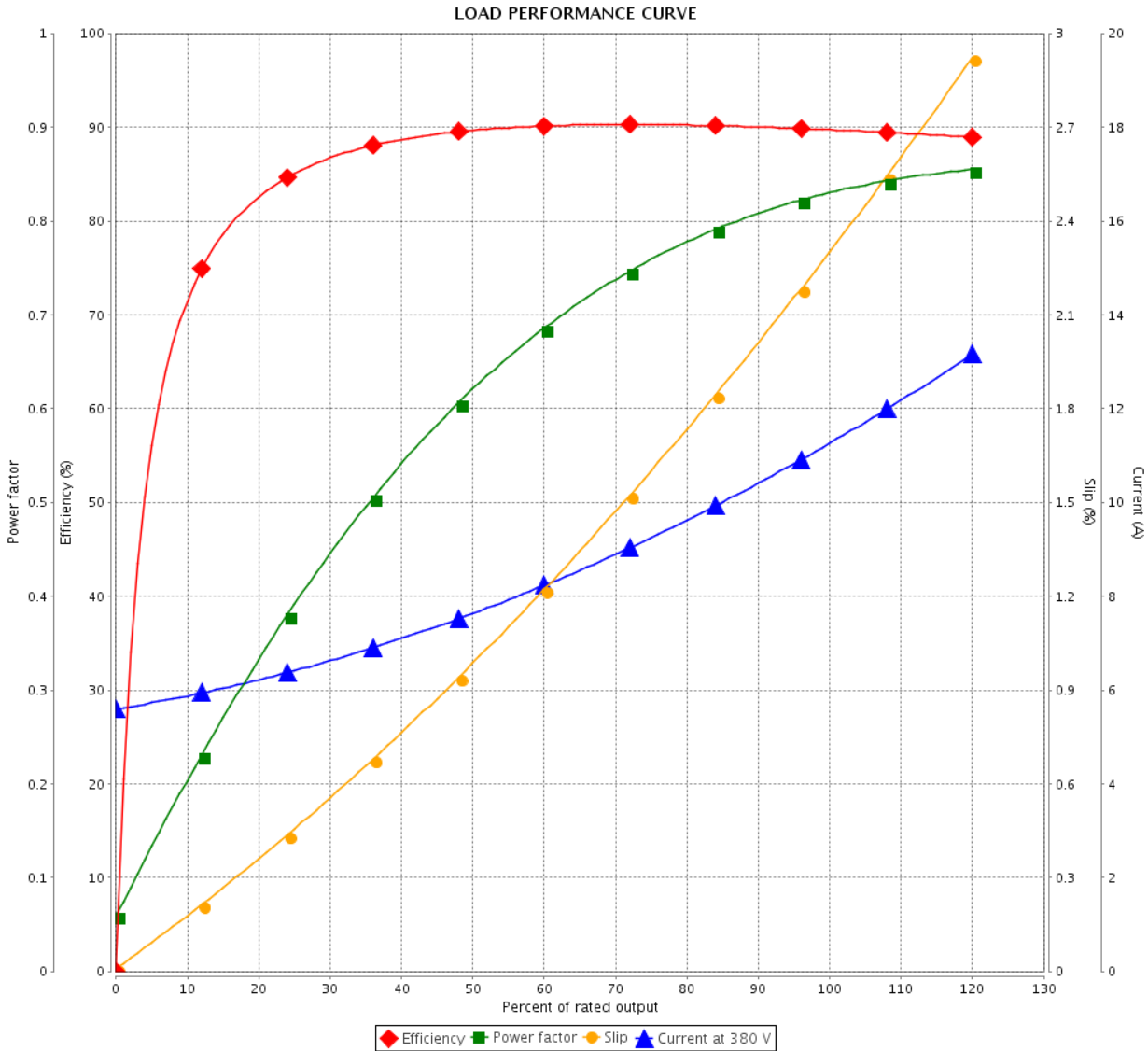


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 380 V 50 Hz 4P IE3

Rated current : 11.2 A
 LRC : 6.7
 Rated torque : 26.9 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 300 %
 Rated speed : 1465 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 10 / 36	Revision
Checked by				
Date	22/03/2021			

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

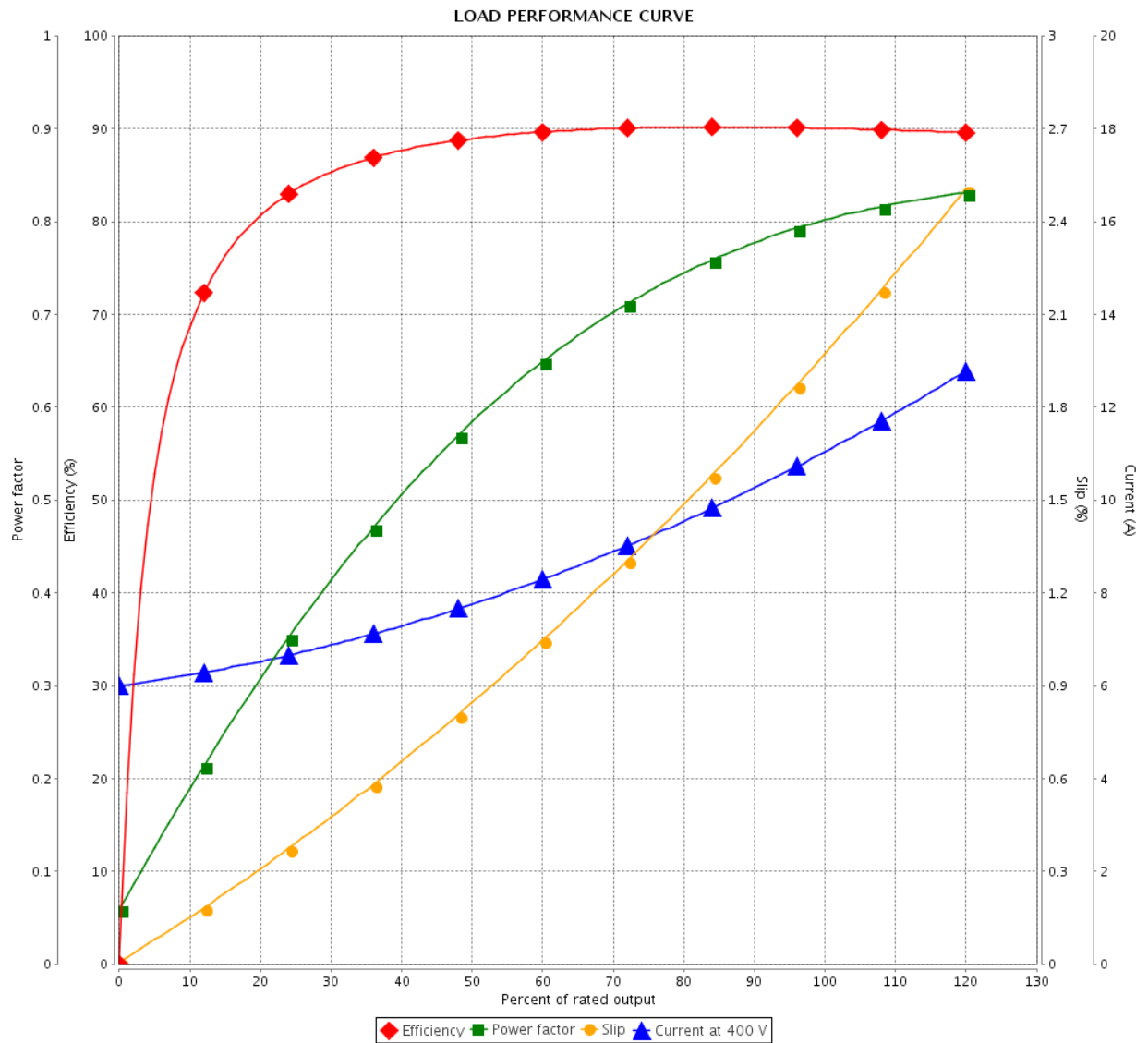


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 400 V 50 Hz 4P IE3

Rated current : 11.0 A
 LRC : 7.1
 Rated torque : 26.8 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 340 %
 Rated speed : 1470 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by			11 / 36	
Date	22/03/2021			

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

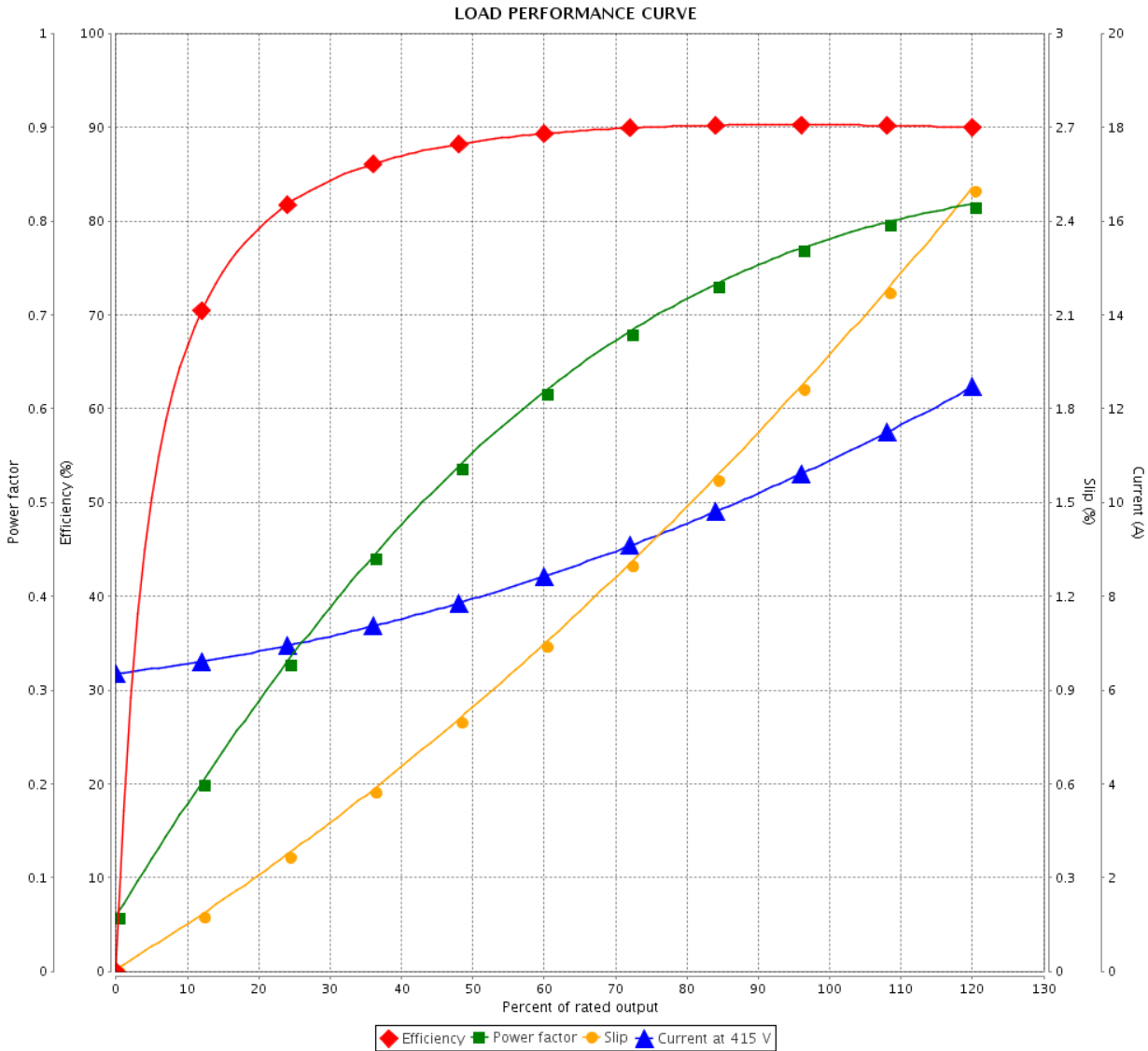


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 415 V 50 Hz 4P IE3

Rated current	: 10.9 A	Moment of inertia (J)	: 1.51 sq.ft.lb
LRC	: 7.5	Duty cycle	: Cont.(S1)
Rated torque	: 26.8 ft.lb	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.15
Breakdown torque	: 360 %	Temperature rise	: 80 K
Rated speed	: 1470 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		12 / 36		
Date	22/03/2021			

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

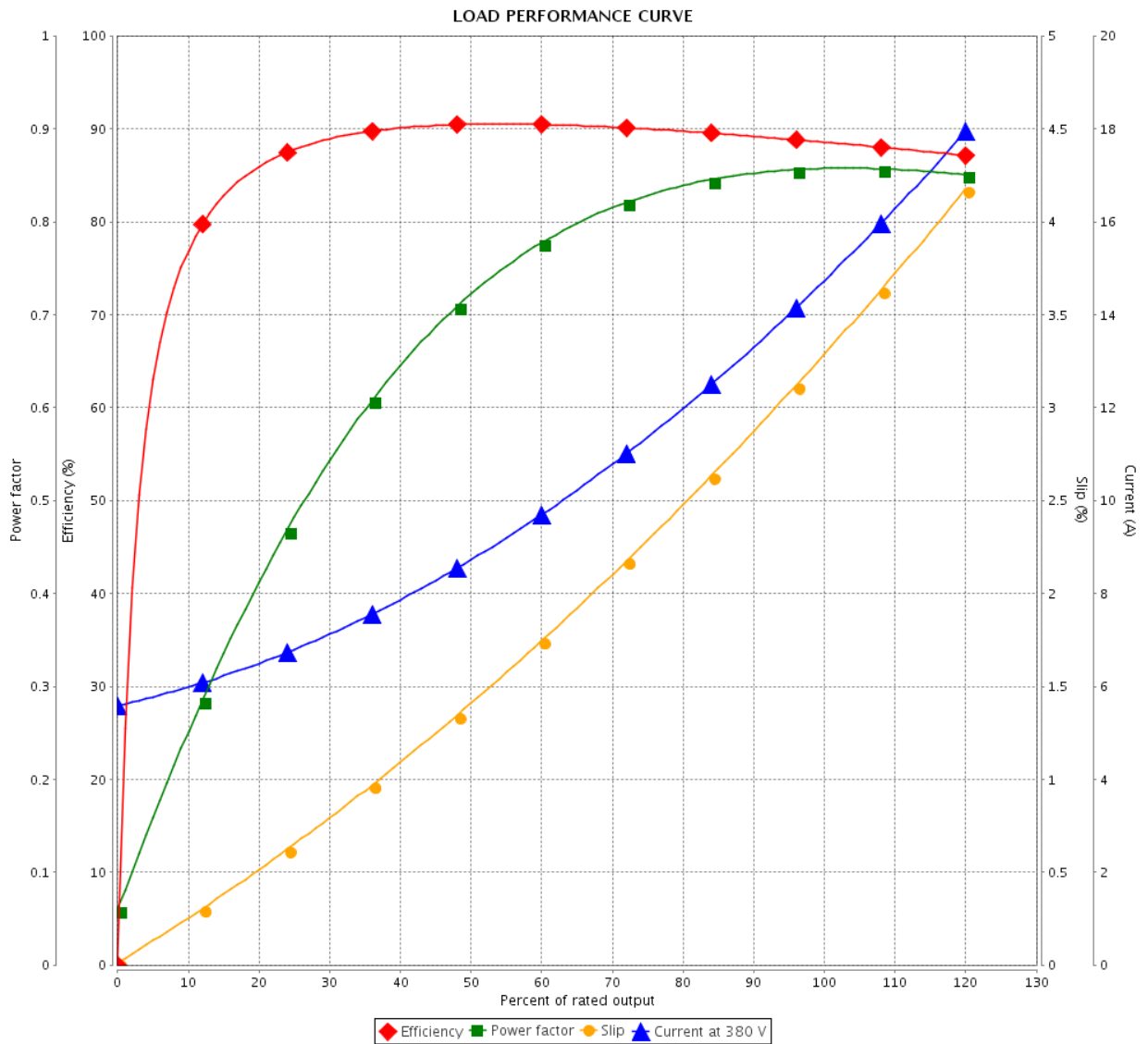


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 380 V 50 Hz 4P IE1

Rated current : 15.0 A
 LRC : 5.1
 Rated torque : 36.2 ft.lb
 Locked rotor torque : 150 %
 Breakdown torque : 220 %
 Rated speed : 1450 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		13 / 36		
Date		22/03/2021		

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

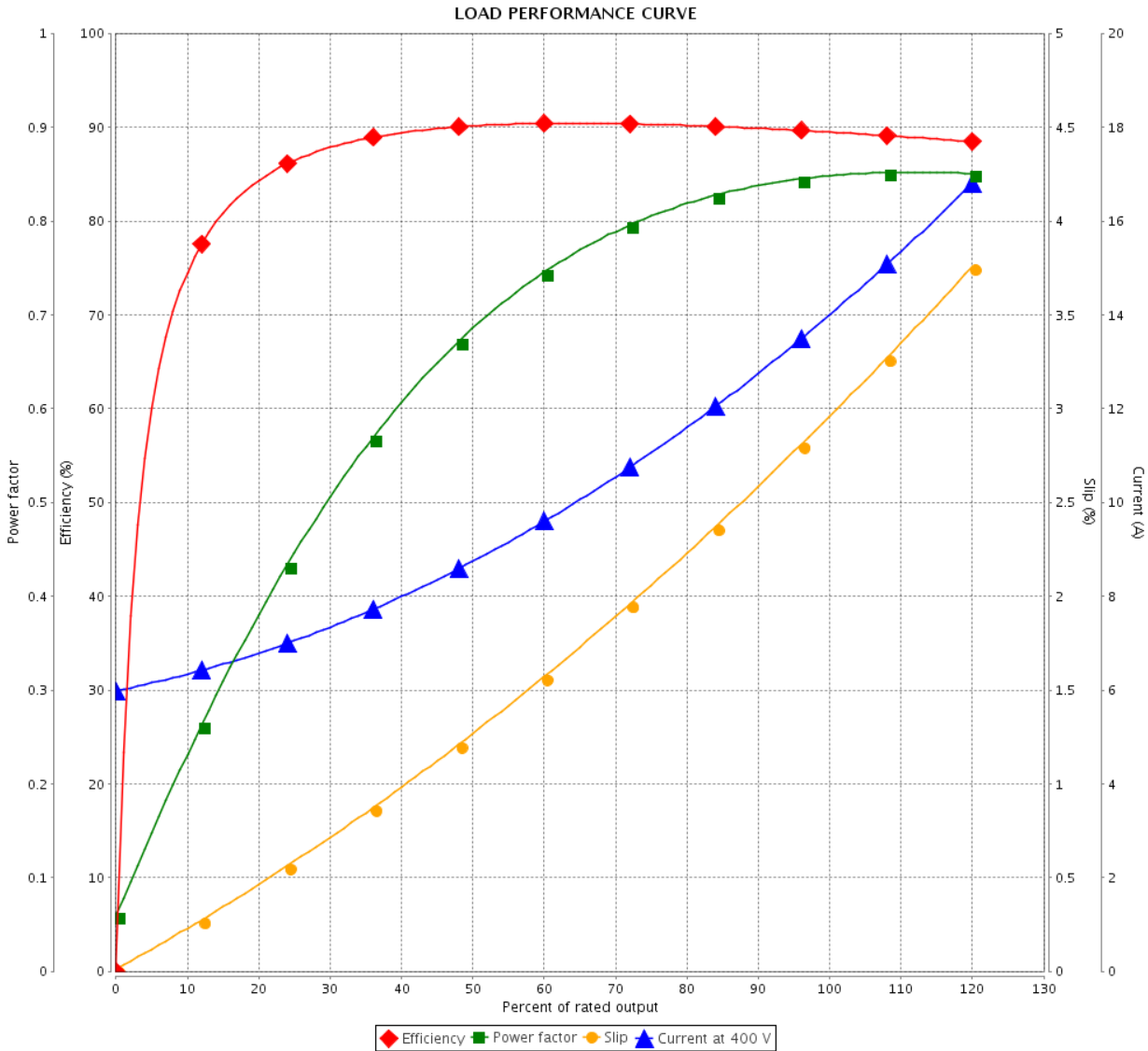


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 400 V 50 Hz 4P IE2

Rated current : 14.2 A
 LRC : 5.6
 Rated torque : 36.1 ft.lb
 Locked rotor torque : 180 %
 Breakdown torque : 250 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 14 / 36	Revision
Checked by				
Date	22/03/2021			

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

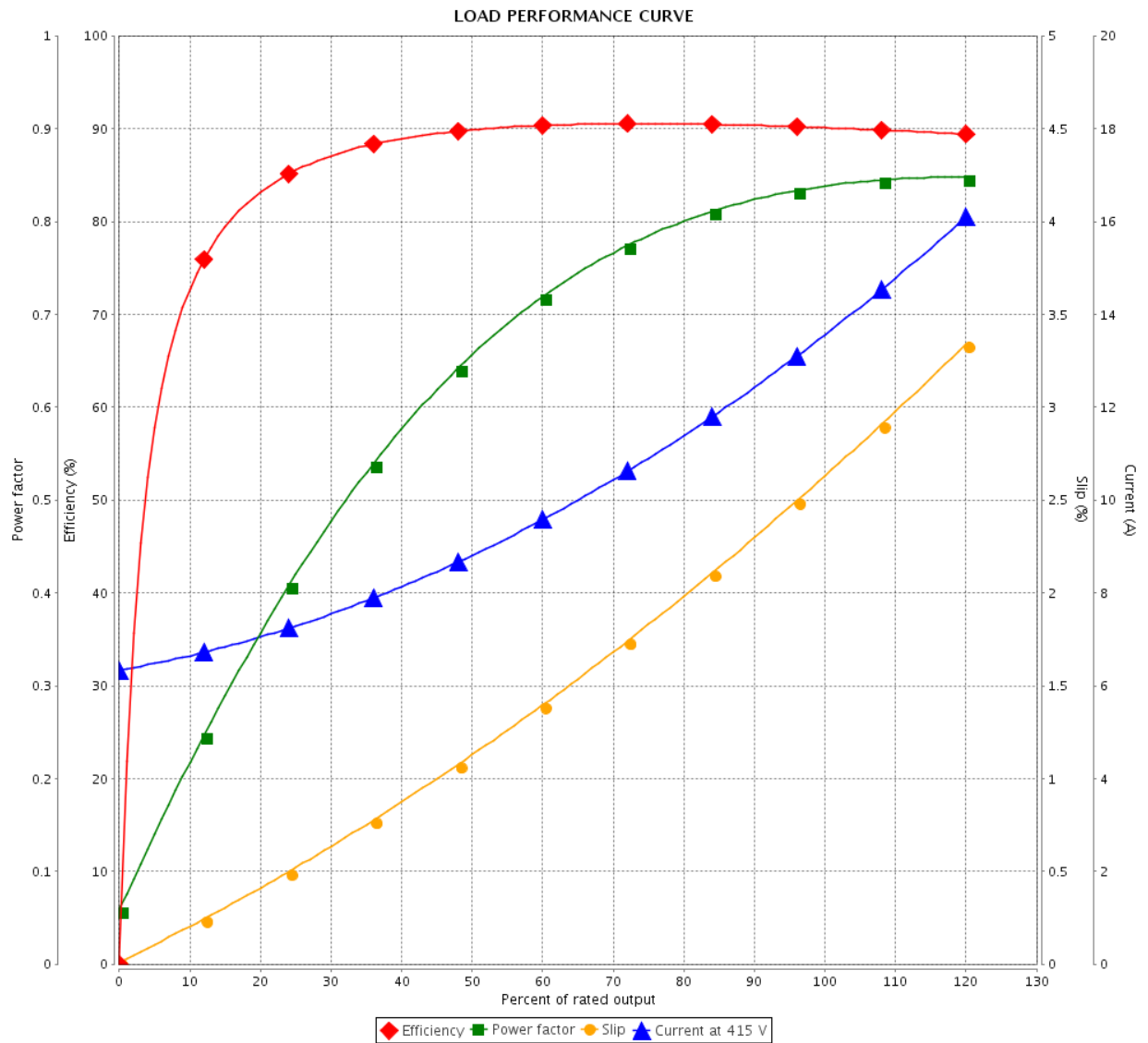


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 415 V 50 Hz 4P IE2

Rated current : 13.8 A
 LRC : 6.0
 Rated torque : 36.0 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 270 %
 Rated speed : 1460 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		15 / 36		
Date		22/03/2021		

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22

Performance : 230/460 V 60 Hz 4P

Rated current : 24.8/12.4 A
LRC : 6.4
Rated torque : 29.8 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 295 %
Rated speed : 1765 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

Heating constant

Cooling constant

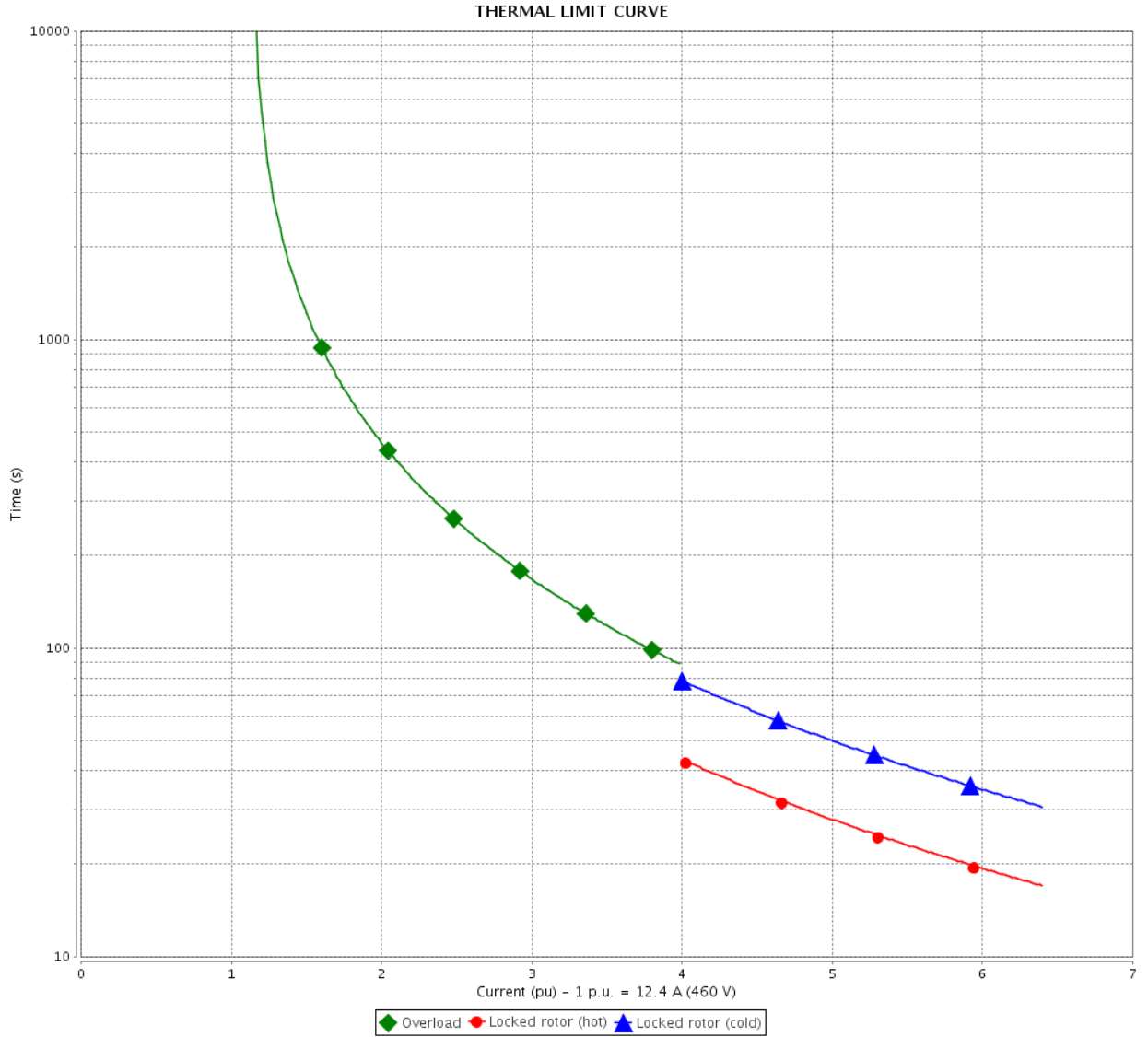
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	22/03/2021		16 / 36	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 17 / 36		Revision
Checked by				
Date				

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22

Performance : 380 V 50 Hz 4P IE3

Rated current : 11.2 A
LRC : 6.7
Rated torque : 26.9 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 300 %
Rated speed : 1465 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Heating constant

Cooling constant

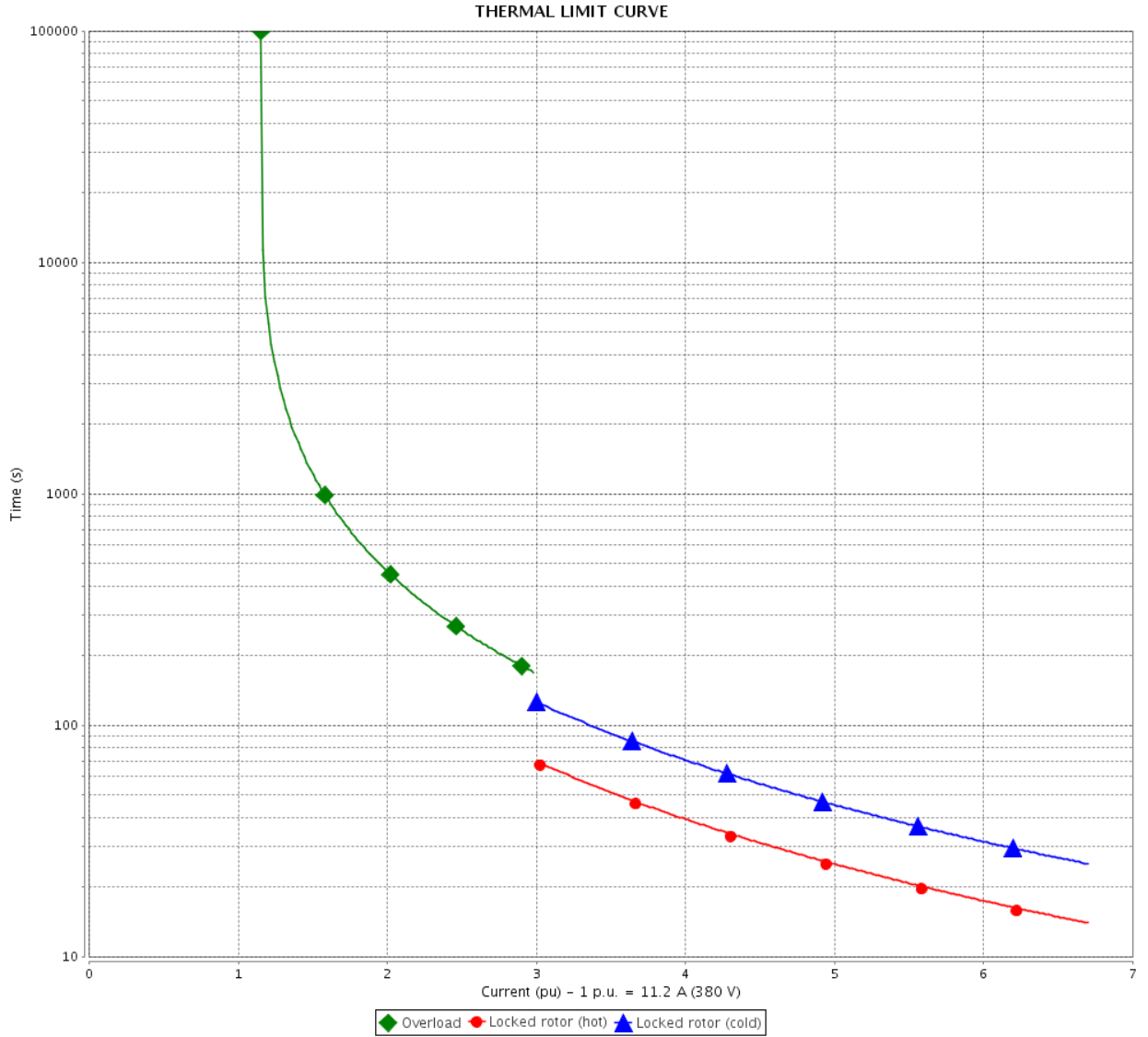
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	22/03/2021		18 / 36	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 19 / 36		Revision
Checked by				
Date				

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22

Performance : 400 V 50 Hz 4P IE3

Rated current	: 11.0 A	Moment of inertia (J)	: 1.51 sq.ft.lb
LRC	: 7.1	Duty cycle	: Cont.(S1)
Rated torque	: 26.8 ft.lb	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 1470 rpm	Design	: B

Heating constant

Cooling constant

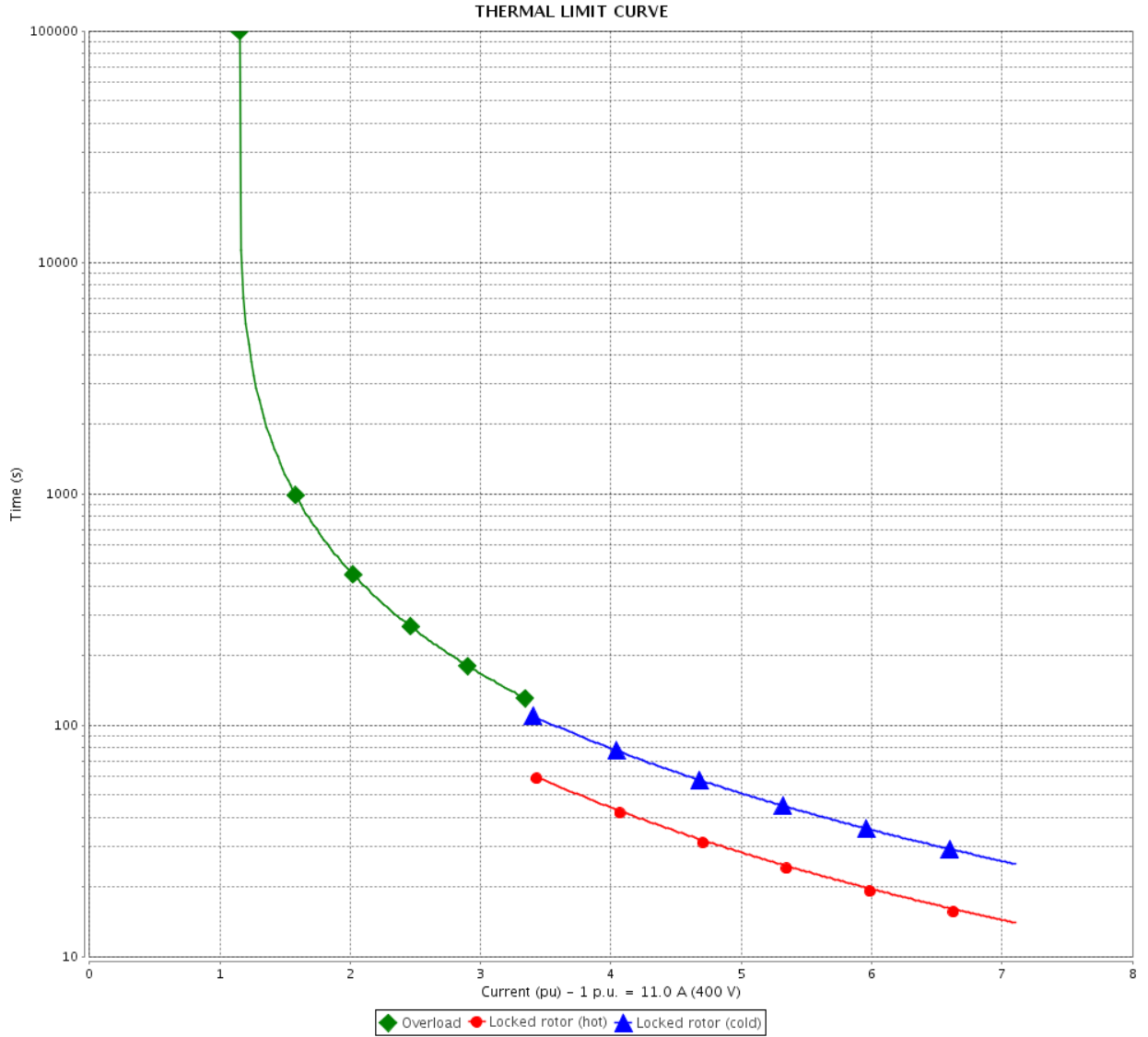
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	22/03/2021		20 / 36	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 21 / 36		Revision
Checked by				
Date				

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22

Performance : 415 V 50 Hz 4P IE3

Rated current : 10.9 A
LRC : 7.5
Rated torque : 26.8 ft.lb
Locked rotor torque : 260 %
Breakdown torque : 360 %
Rated speed : 1470 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Heating constant

Cooling constant

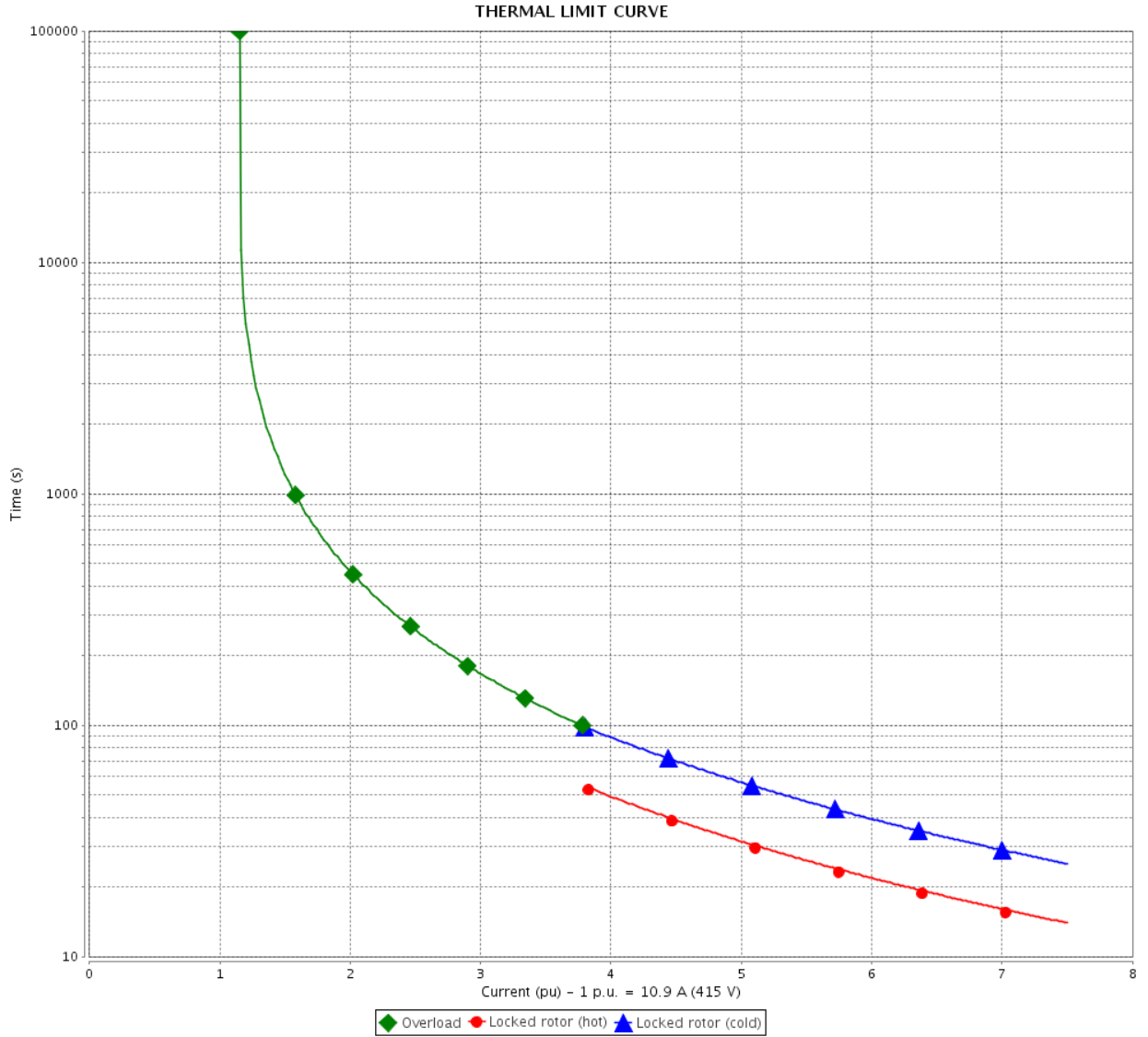
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	22/03/2021		22 / 36	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		23 / 36		
Date		22/03/2021		

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22

Performance : 380 V 50 Hz 4P IE1

Rated current : 15.0 A	Moment of inertia (J) : 1.51 sq.ft.lb
LRC : 5.1	Duty cycle : Cont.(S1)
Rated torque : 36.2 ft.lb	Insulation class : F
Locked rotor torque : 150 %	Service factor : 1.15
Breakdown torque : 220 %	Temperature rise : 80 K
Rated speed : 1450 rpm	Design : B

Heating constant

Cooling constant

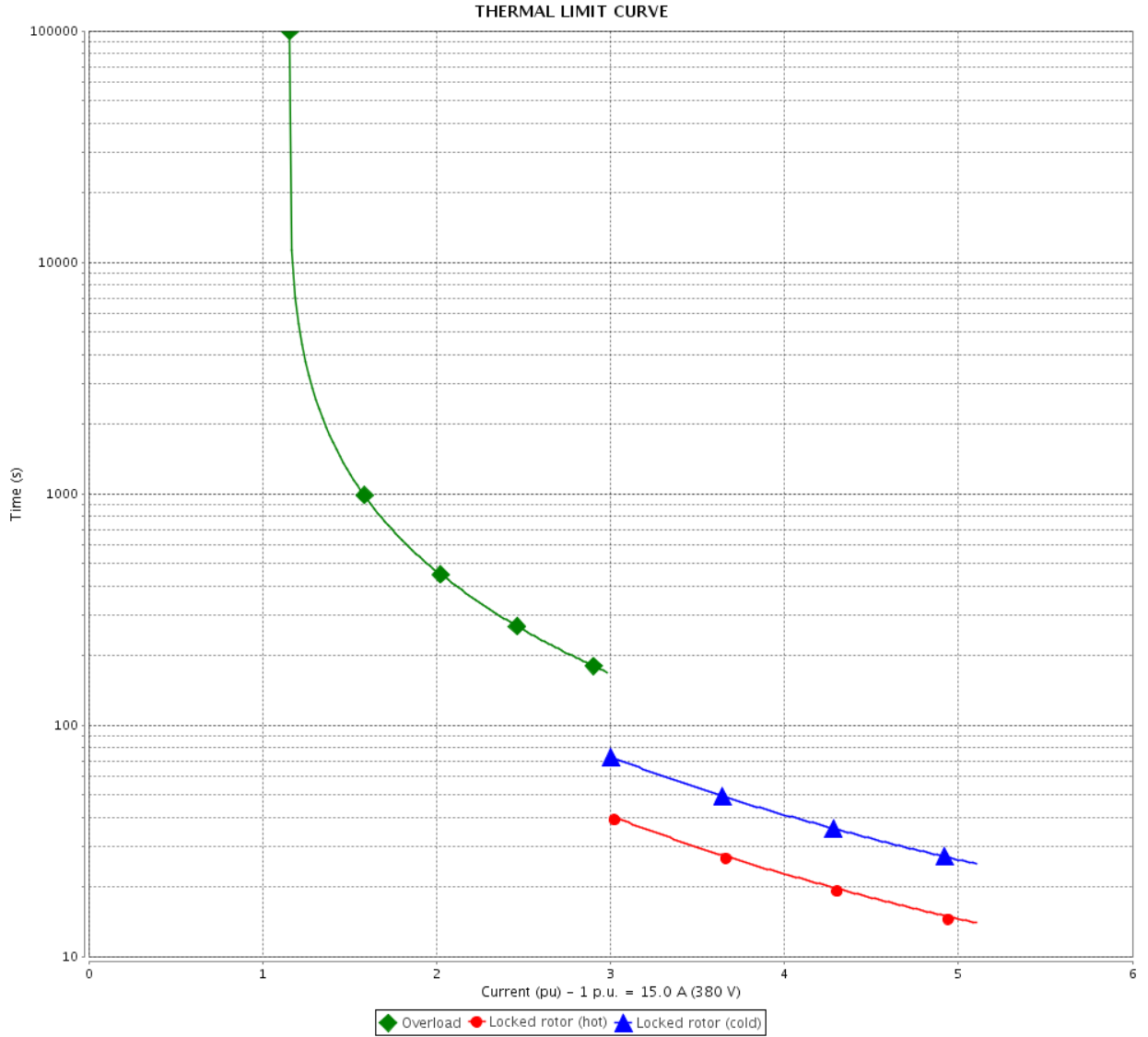
Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 24 / 36	Revision
Checked by				
Date	22/03/2021			

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 25 / 36 Revision		
Checked by				
Date				

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22

Performance : 400 V 50 Hz 4P IE2

Rated current	: 14.2 A	Moment of inertia (J)	: 1.51 sq.ft.lb
LRC	: 5.6	Duty cycle	: Cont.(S1)
Rated torque	: 36.1 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 1455 rpm	Design	: B

Heating constant

Cooling constant

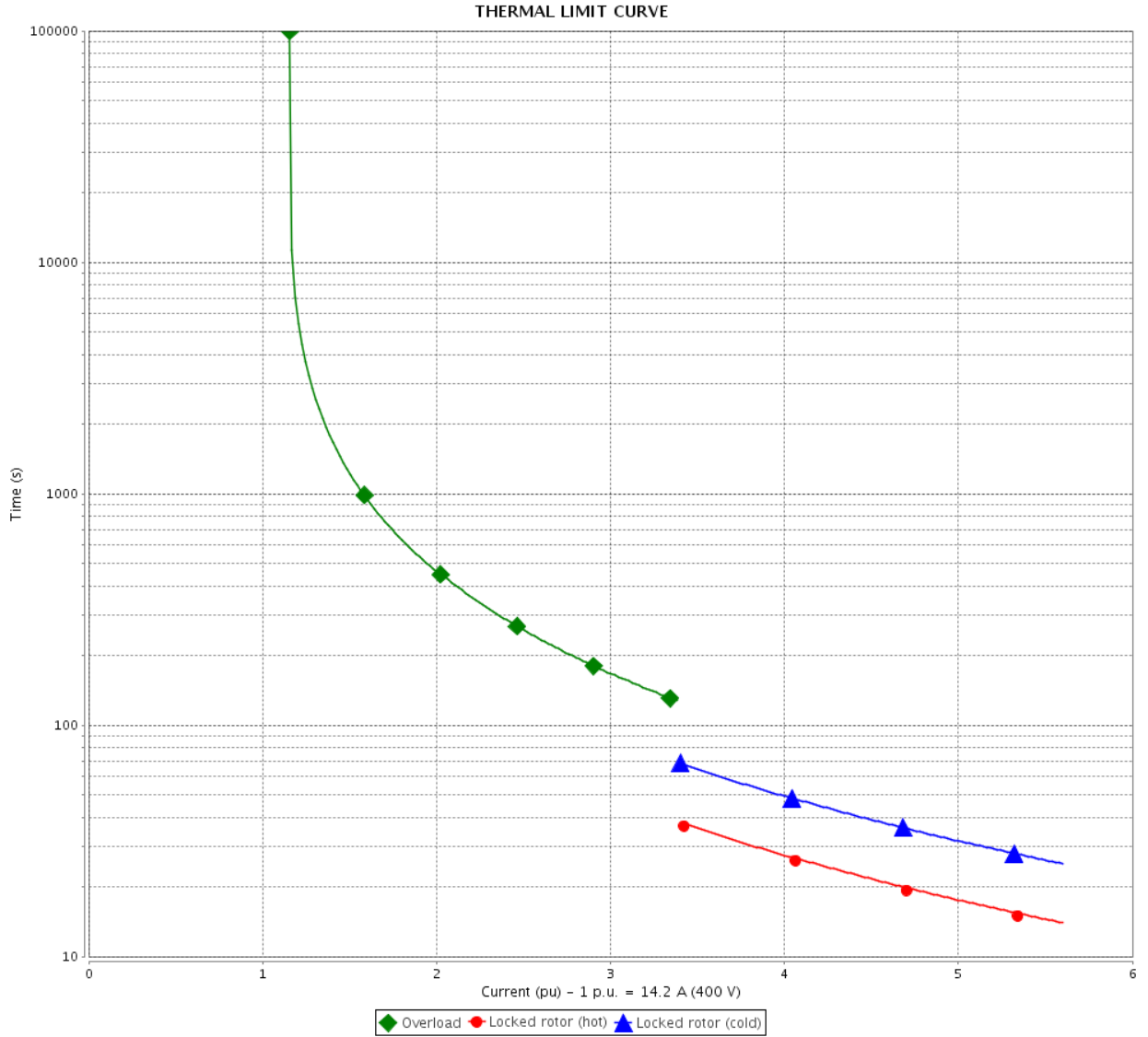
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	22/03/2021		26 / 36	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22

Performance : 415 V 50 Hz 4P IE2

Rated current	: 13.8 A	Moment of inertia (J)	: 1.51 sq.ft.lb
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 36.0 ft.lb	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.15
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1460 rpm	Design	: B

Heating constant

Cooling constant

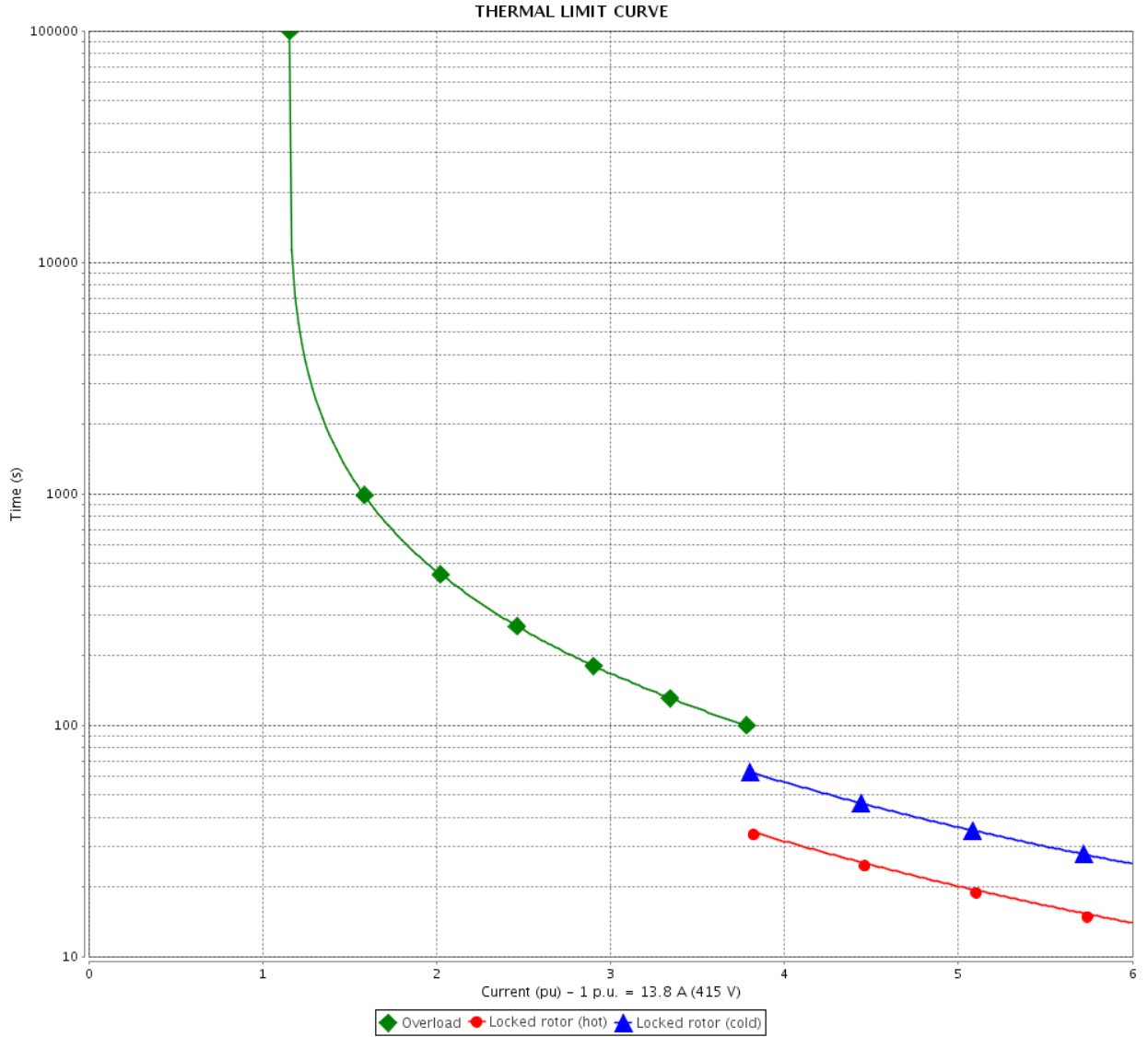
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	22/03/2021		28 / 36	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

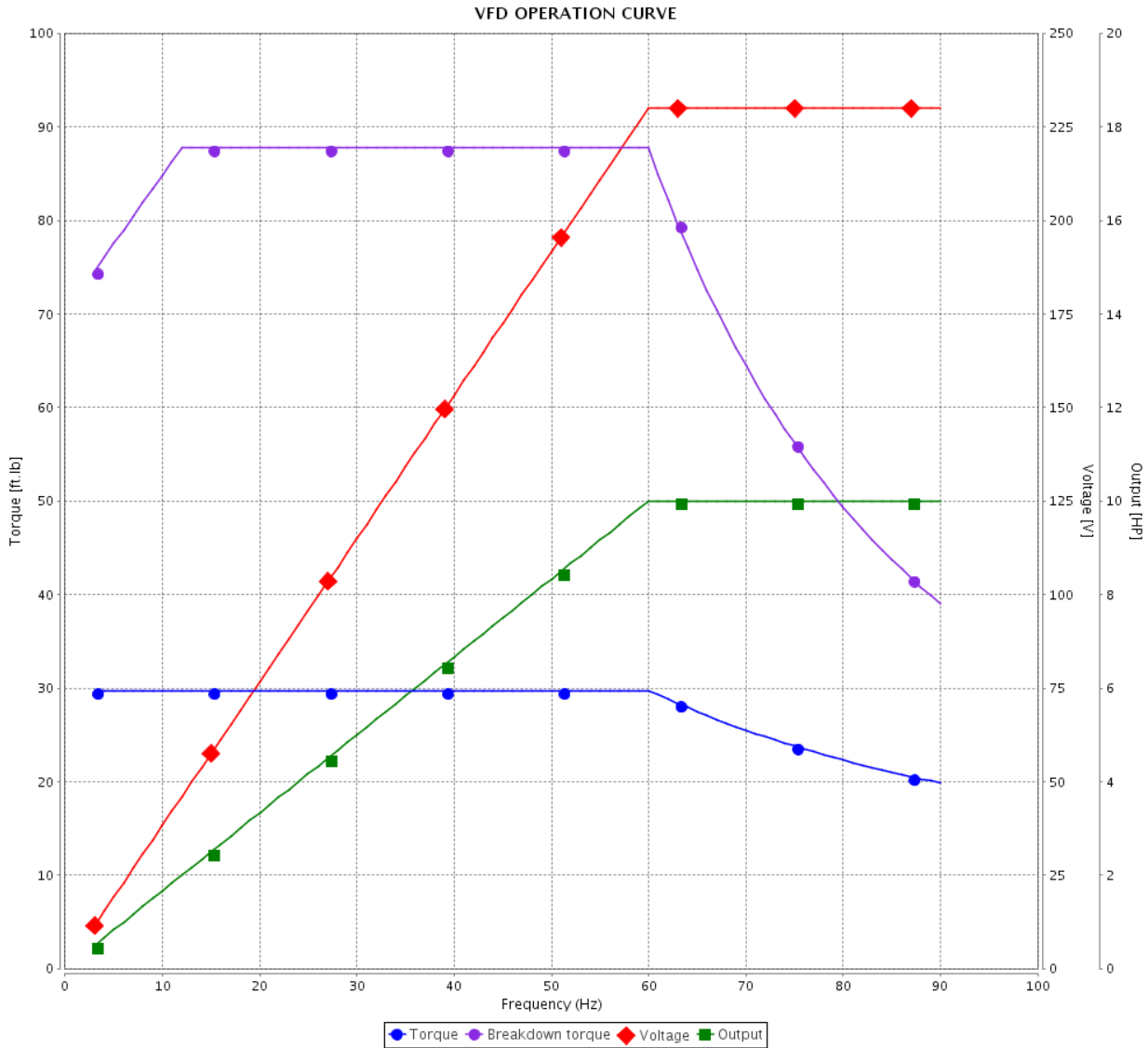


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 230/460 V 60 Hz 4P

Rated current : 24.8/12.4 A
 LRC : 6.4
 Rated torque : 29.8 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 295 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 1.51 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	22/03/2021			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

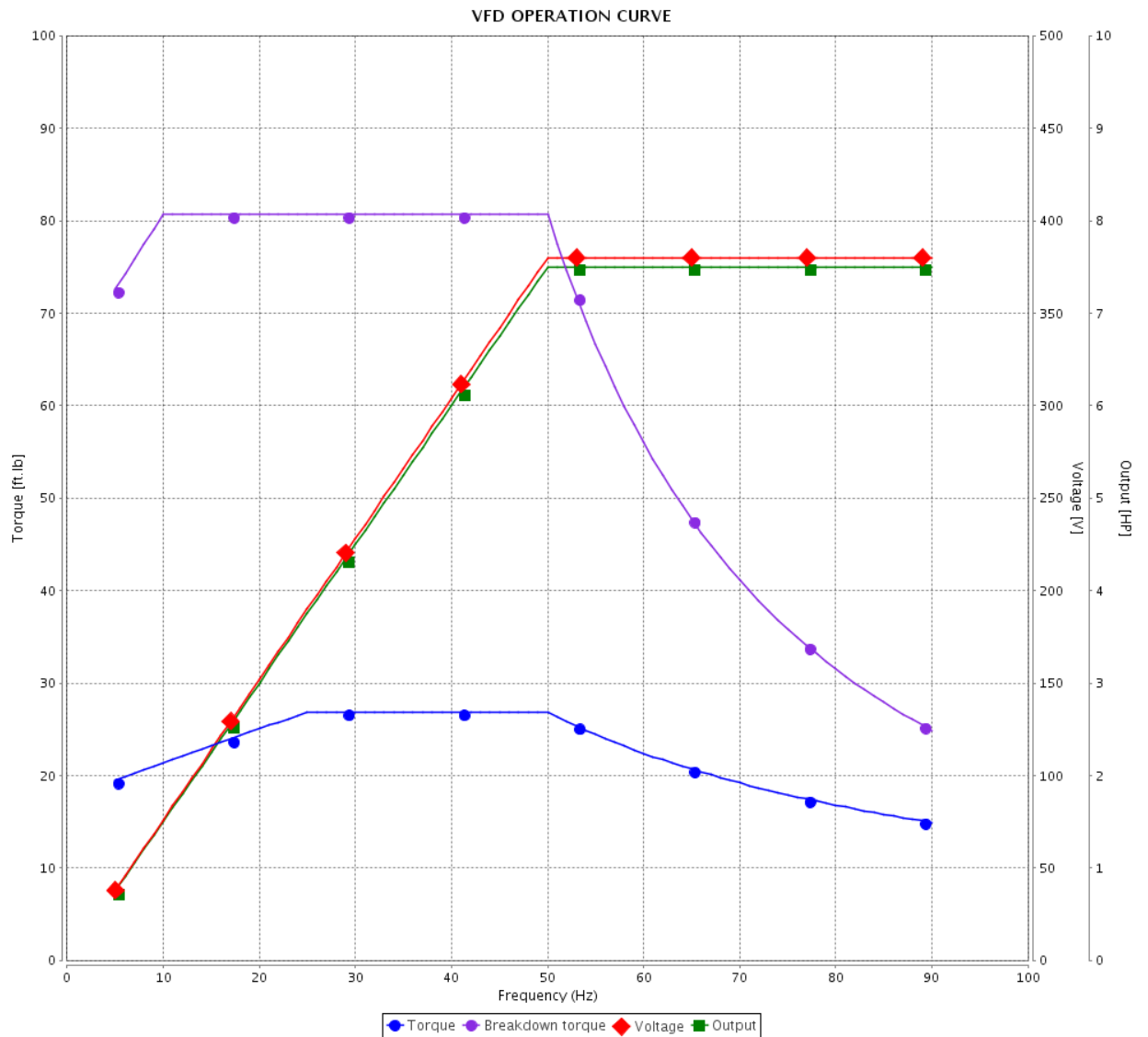


Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 380 V 50 Hz 4P IE3

Rated current : 11.2 A
 LRC : 6.7
 Rated torque : 26.9 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 300 %
 Rated speed : 1465 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 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

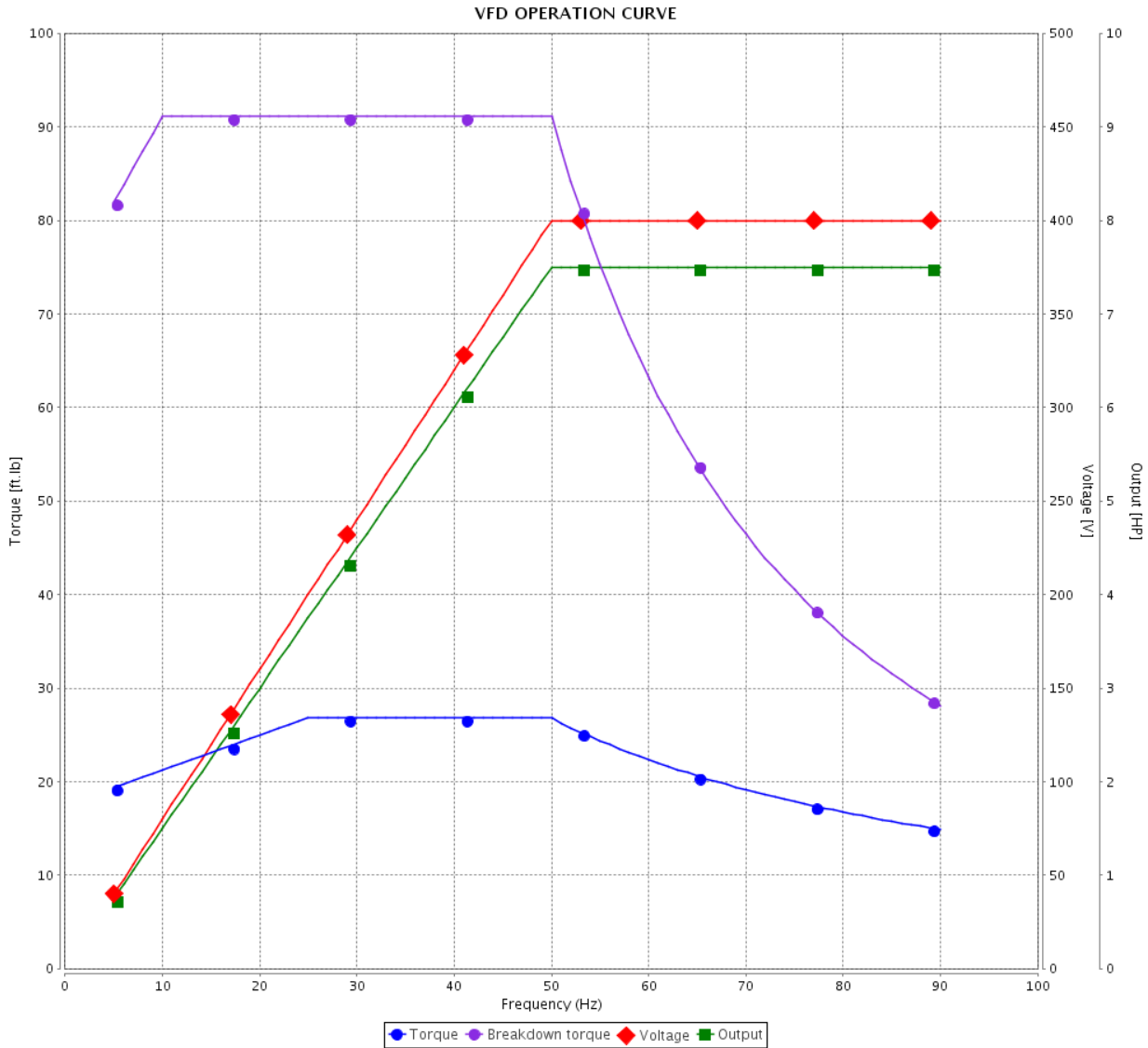


Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 400 V 50 Hz 4P IE3

Rated current : 11.0 A
 LRC : 7.1
 Rated torque : 26.8 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 340 %
 Rated speed : 1470 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 32 / 36	Revision
Checked by				
Date	22/03/2021			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

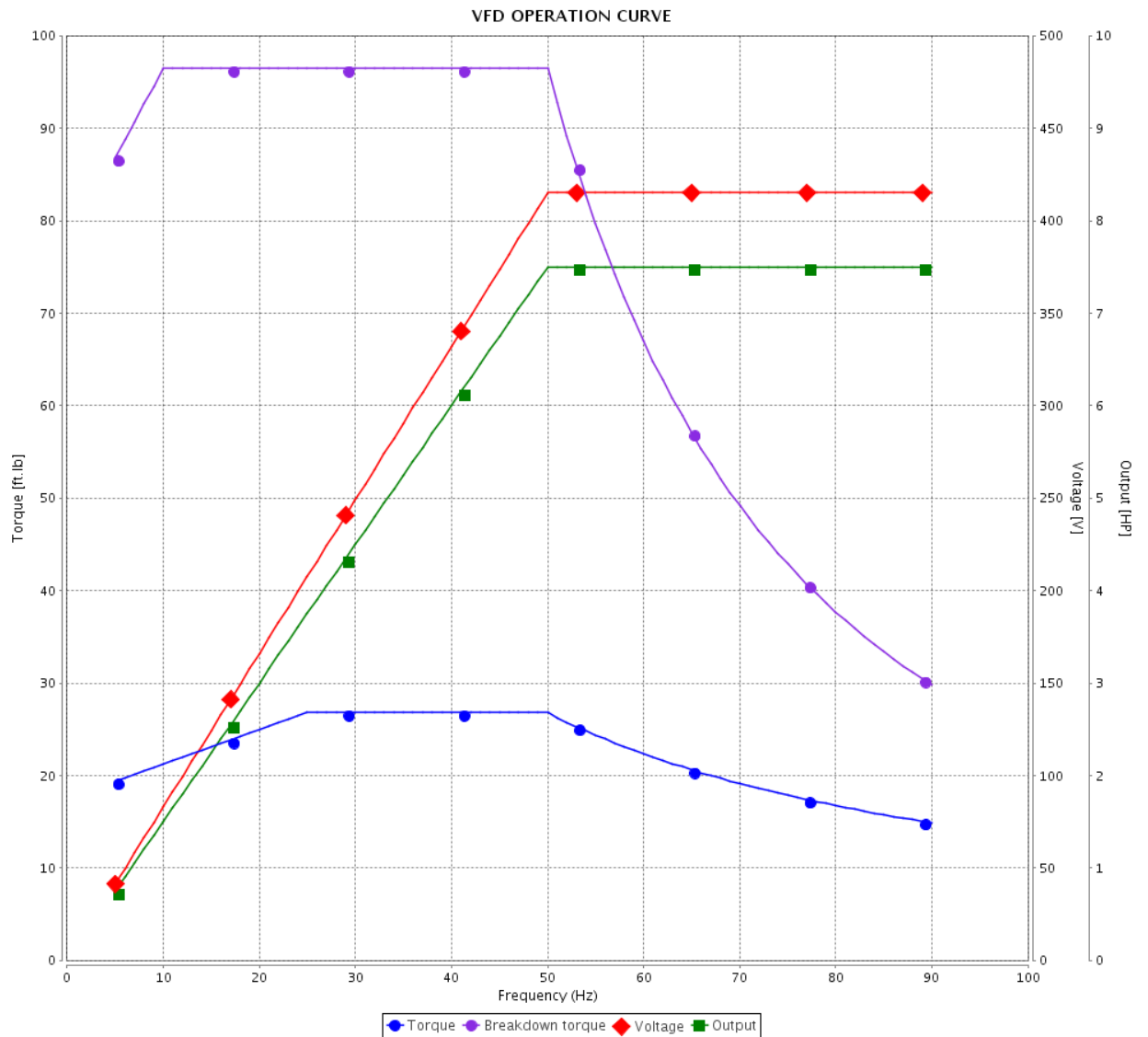


Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 415 V 50 Hz 4P IE3

Rated current : 10.9 A
LRC : 7.5
Rated torque : 26.8 ft.lb
Locked rotor torque : 260 %
Breakdown torque : 360 %
Rated speed : 1470 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by			33 / 36	
Date	22/03/2021			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

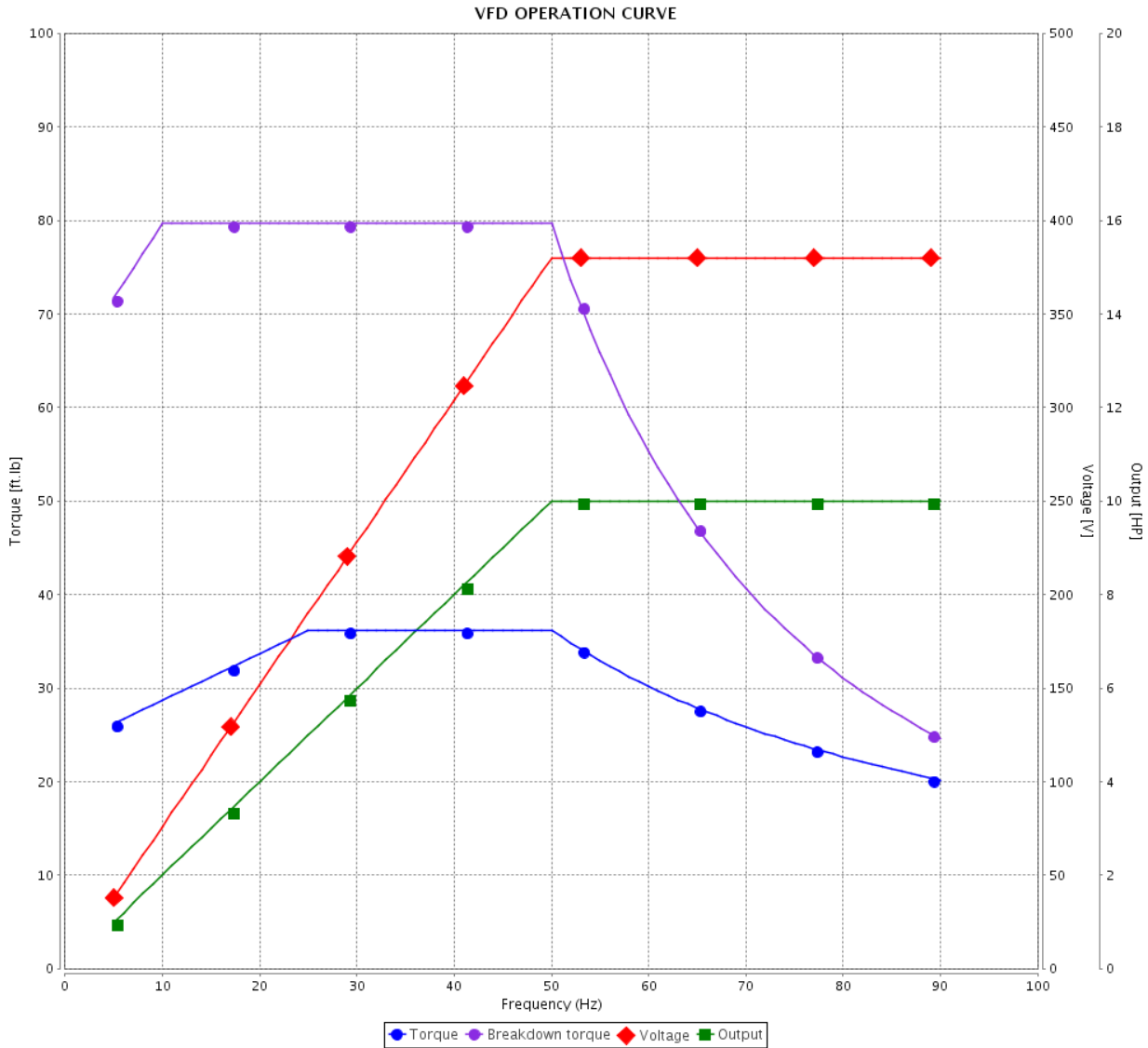


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 380 V 50 Hz 4P IE1

Rated current : 15.0 A
 LRC : 5.1
 Rated torque : 36.2 ft.lb
 Locked rotor torque : 150 %
 Breakdown torque : 220 %
 Rated speed : 1450 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 34 / 36	Revision
Checked by				
Date	22/03/2021			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

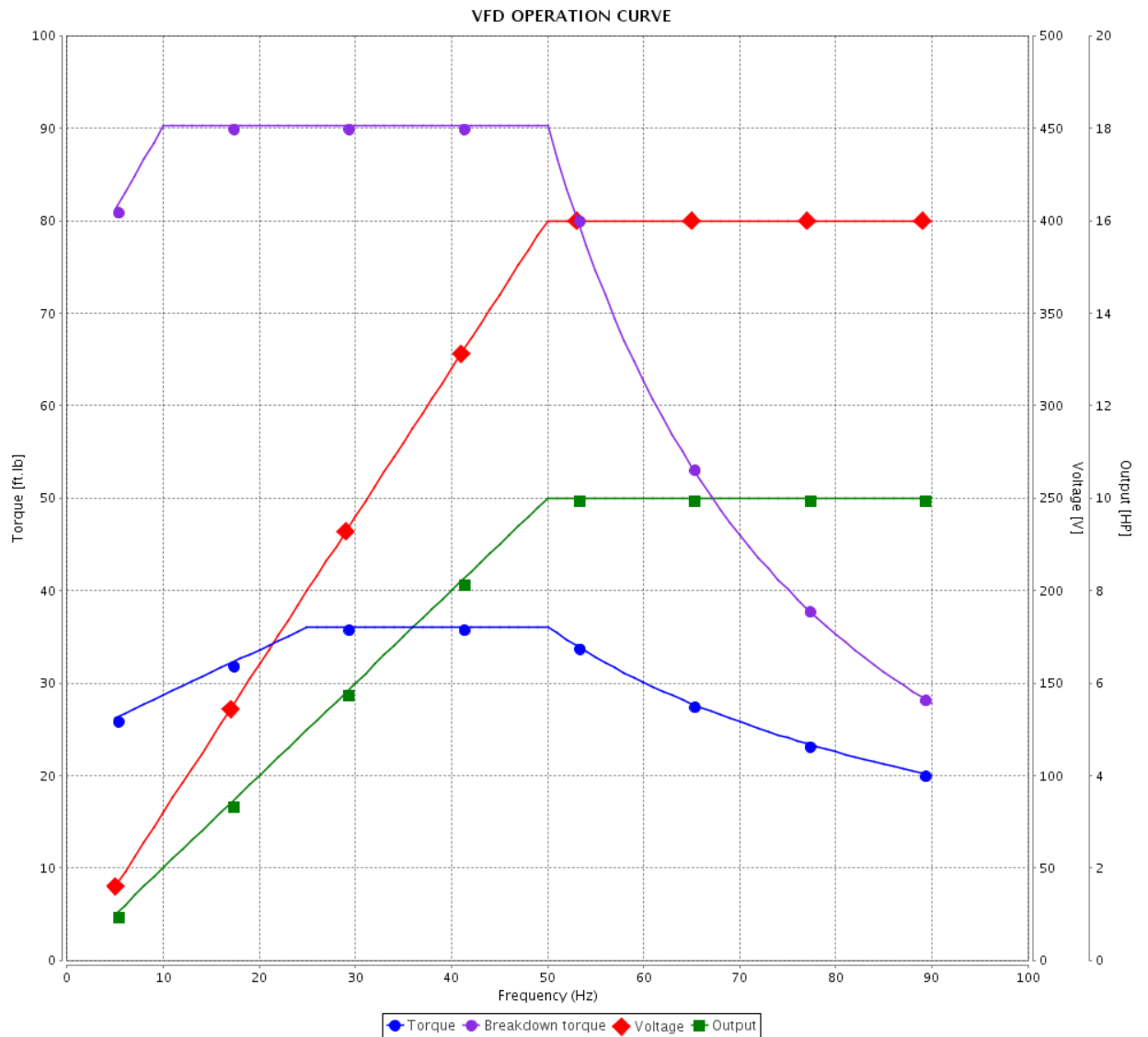


Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 400 V 50 Hz 4P IE2

Rated current : 14.2 A
 LRC : 5.6
 Rated torque : 36.1 ft.lb
 Locked rotor torque : 180 %
 Breakdown torque : 250 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		35 / 36		
Date	22/03/2021			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

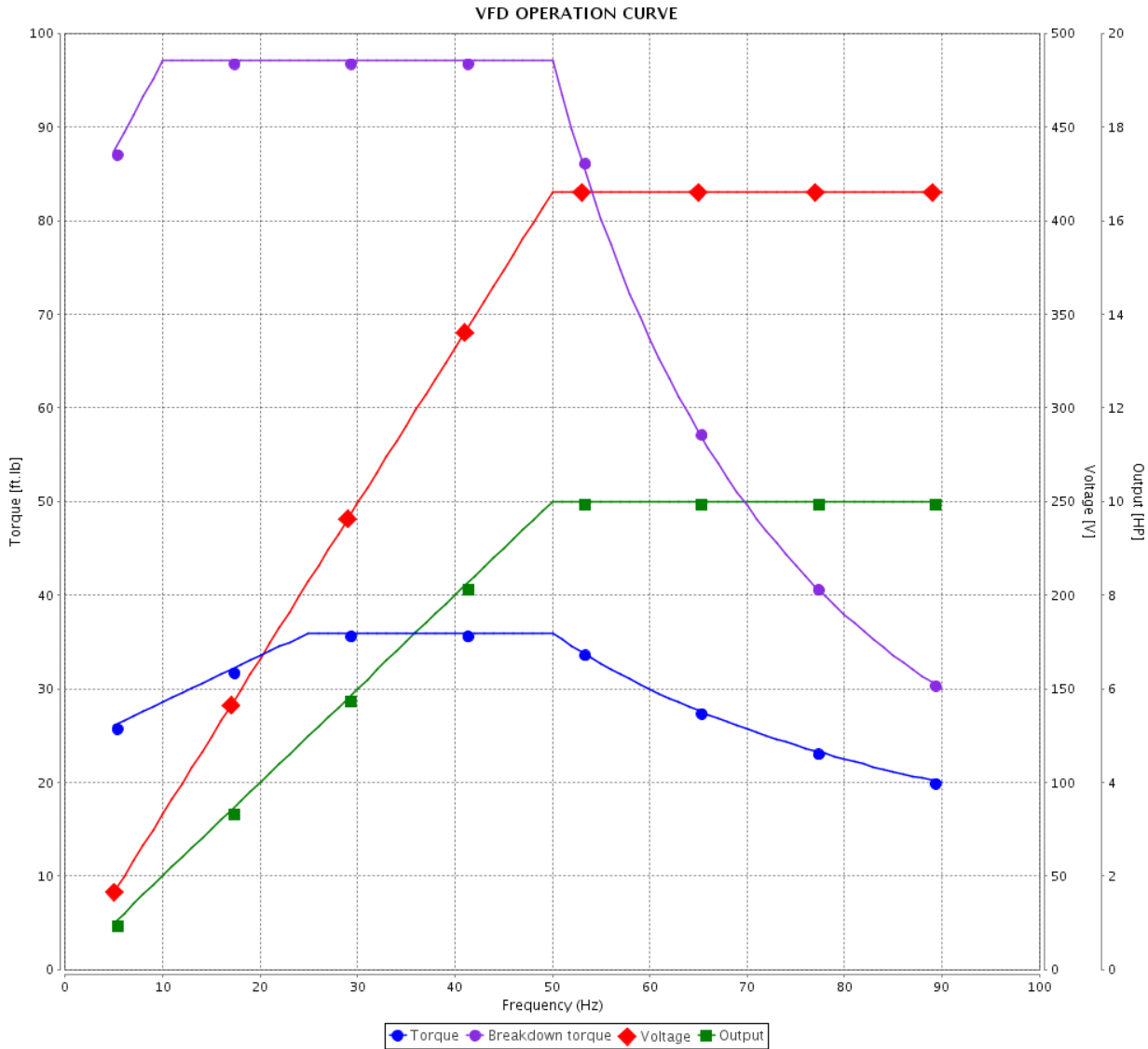


Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11437961

Catalog # : 01018ET3E215T-W22



Performance : 415 V 50 Hz 4P IE2

Rated current : 13.8 A
 LRC : 6.0
 Rated torque : 36.0 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 270 %
 Rated speed : 1460 rpm

Moment of inertia (J) : 1.51 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

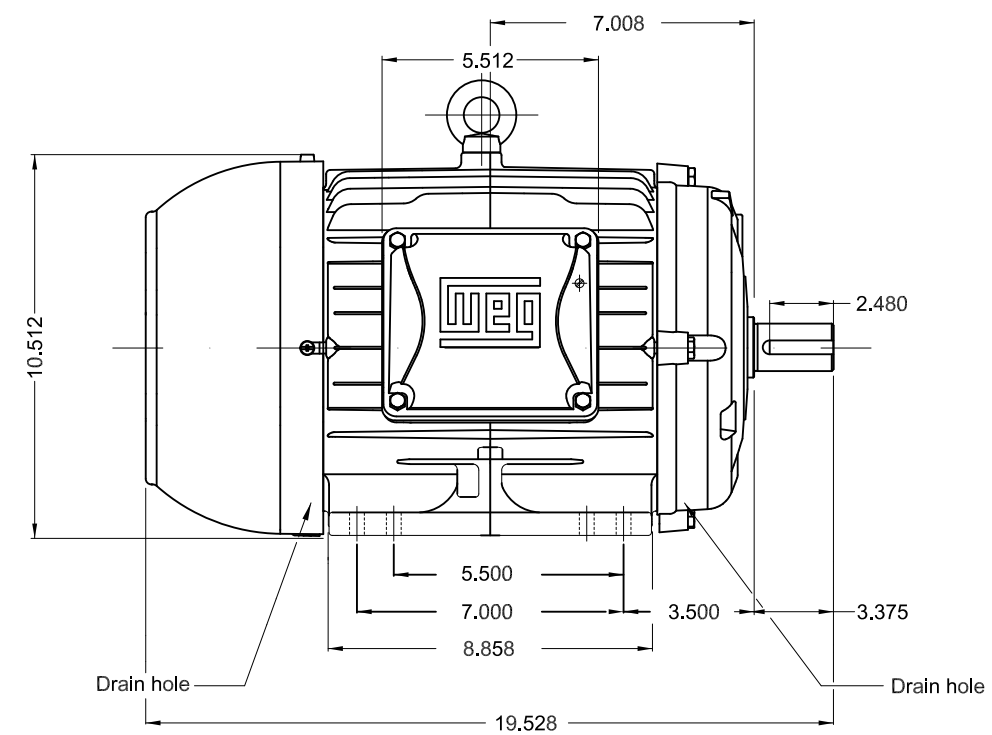
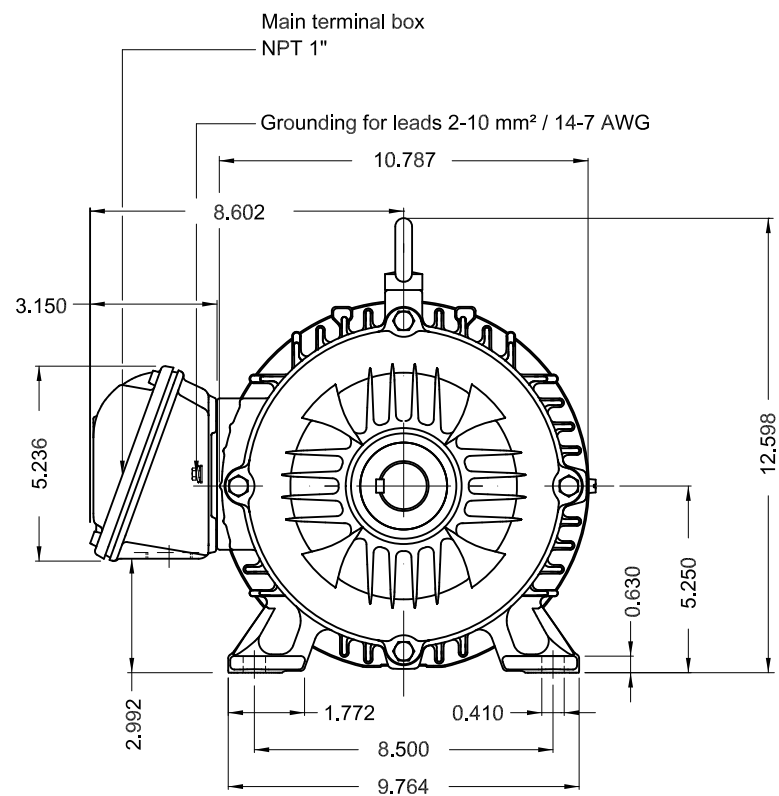
Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 36 / 36	Revision
Checked by				
Date	22/03/2021			

1 2 3 4 5 6

A

B

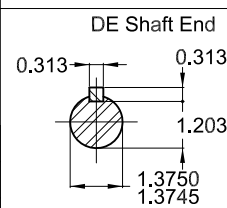
C



D

E

Color RAL 5009
 Painting plan 207A
 Mounting B3R(D)



10 HP 04 Poles 60Hz A

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER	THREE PHASE W22 MOTOR - NEMA PREMIUM EFF					
CHECKED		FRAME 213/5T IP55 TEFC					
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering				

PREVIEW
 WDD



SHEET 1 / 1

Dimensions in inches XME A3

**W22**

CC029A

® Inverter Duty Motor
Severe Duty

11437961

MADE IN BRAZIL MODEL 01018ET3E215T-W22

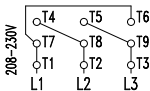
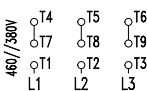
PH 3 | FR 213/5T | HP(kW) 10.0(7.5) | Hz 60 | SF 1.25 | PF 0.83

V 230/460 | A 24.8/12.4 | RPM 1765 | INS. CL. F Δ T 80 K | IP55

NEMA NOM EFF 91.7 % | DES B | DUTY CONT. | AMB 40°C

ENCL TEFC | SFA 31.0/15.5 | USABLE @208V 27.4 A | SF 1.15 | SFA 31.5

10HP 7.5kW 50Hz 380V 15.0A 1450RPM SF1.15 EFF 88.5% (IE1) | CODE H

 Δ  Δ 

→ 6308-ZZ

→ 6207-ZZ

MOBIL POLYREX EM

ALT 1000 m.a.s.l. | 176 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