

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer								
Product line	: NEMA Premium Efficiency Three-Phase	Product code	: 12769895					
		Catalog #	: 02512ET3E324T-W22G					
Frame	: 324/6T	Cooling method	: IC411 - TEFC					
Insulation class	: F	Mounting	: F-1					
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)					
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line					
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>2</sup>	: 545 lb					
Protection degree	: IP55	Moment of inertia (J)	: 11.5 sq.ft.lb					
Design	: B							
Output [HP]	25	20	20	20	25	25	25	
Poles	6	6	6	6	6	6	6	
Frequency [Hz]	60	50	50	50	50	50	50	
Rated voltage [V]	230/460	380	400	415	380	400	415	
Rated current [A]	61.6/30.8	30.3	29.4	28.6	36.8	35.1	34.2	
L. R. Amperes [A]	382/191	182	191	200	180	190	198	
LRC [A]	6.2x(Code G)	6.0x(Code G)	6.5x(Code H)	7.0x(Code J)	4.9x(Code E)	5.4x(Code F)	5.8x(Code G)	
No load current [A]	28.0/14.0	13.2	14.2	14.9	13.2	14.2	14.9	
Rated speed [RPM]	1180	980	985	985	975	980	980	
Slip [%]	1.67	2.00	1.50	1.50	2.50	2.00	2.00	
Rated torque [ft.lb]	111	107	107	107	135	134	134	
Locked rotor torque [%]	210	200	229	250	160	180	200	
Breakdown torque [%]	260	250	290	310	200	229	250	
Service factor	1.25	1.00	1.15	1.15	1.00	1.15	1.15	
Temperature rise	80 K	80 K	80 K	80 K	80 K	80 K	80 K	
Locked rotor time	46s (cold) 26s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	
Noise level <sup>2</sup>	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)	60.0 dB(A)	60.0 dB(A)	60.0 dB(A)	60.0 dB(A)	
Efficiency (%)	25%	92.2	91.1	90.9	90.9	92.7	92.1	92.1
	50%	92.4	91.1	91.1	91.1	91.7	91.7	91.7
	75%	93.0	91.8	92.2	92.2	92.4	92.4	92.4
	100%	93.0	91.6	92.2	92.2	91.0	91.7	91.7
Power Factor	25%	0.40	0.39	0.36	0.34	0.46	0.43	0.40
	50%	0.65	0.63	0.60	0.57	0.71	0.68	0.65
	75%	0.77	0.76	0.74	0.71	0.81	0.79	0.77
	100%	0.81	0.82	0.80	0.79	0.84	0.83	0.82
Bearing type	: 6312 C3	6212 C3	Foundation loads					
Sealing	: V'Ring	V'Ring	Max. traction	: 1013 lb				
Lubrication interval	: 20000 h	20000 h	Max. compression	: 1558 lb				
Lubricant amount	: 21 g	13 g						
Lubricant type	: Mobil Polyrex EM							
Notes								
USABLE @208V 67.2A SF 1.15 SFA 77.3A								
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



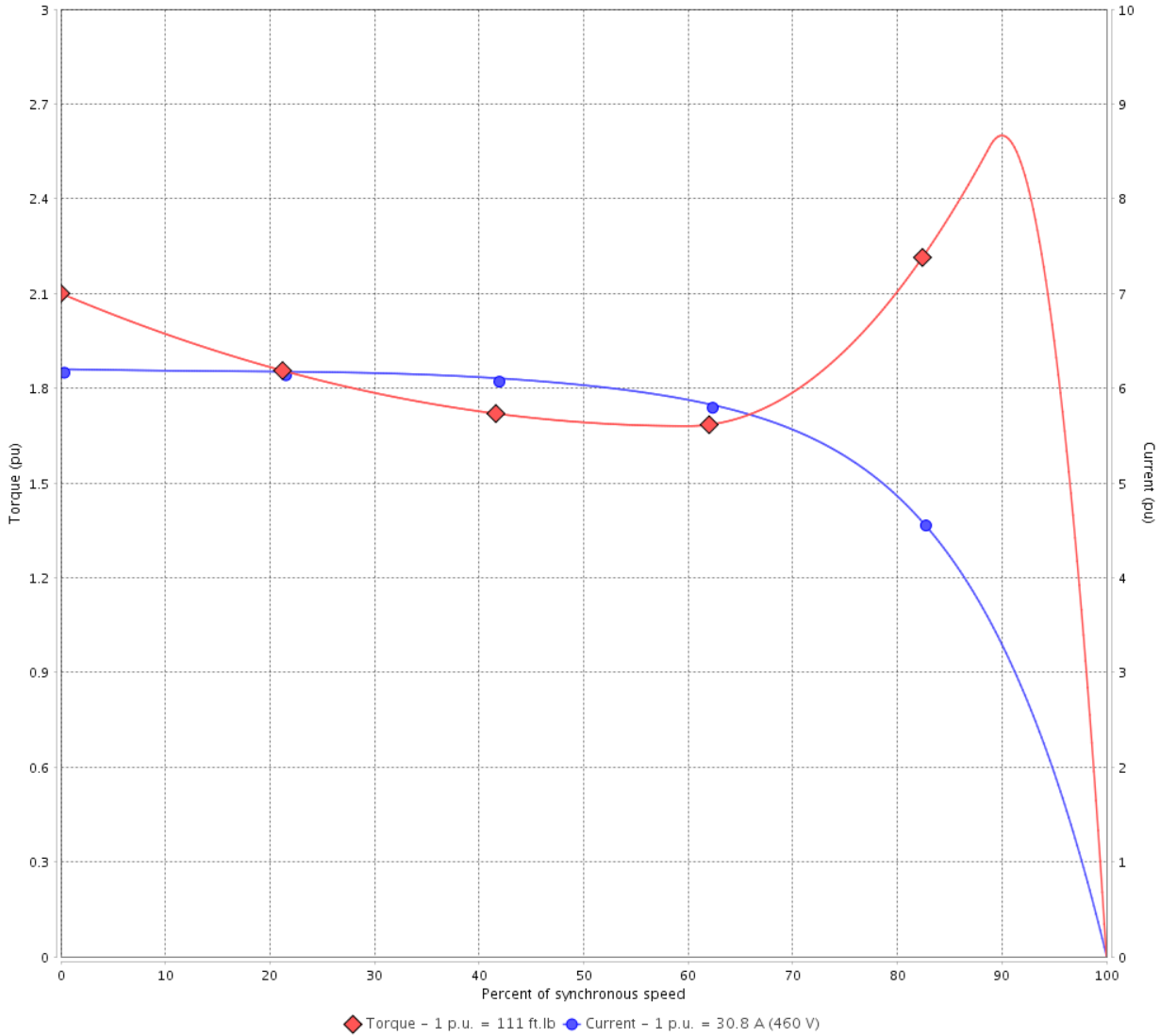
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G

TORQUE AND CURRENT VS SPEED CURVE



Performance : 230/460 V 60 Hz 6P

Rated current	: 61.6/30.8 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 111 ft.lb	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.25
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 1180 rpm	Design	: B

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

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# TORQUE AND CURRENT VS SPEED CURVE



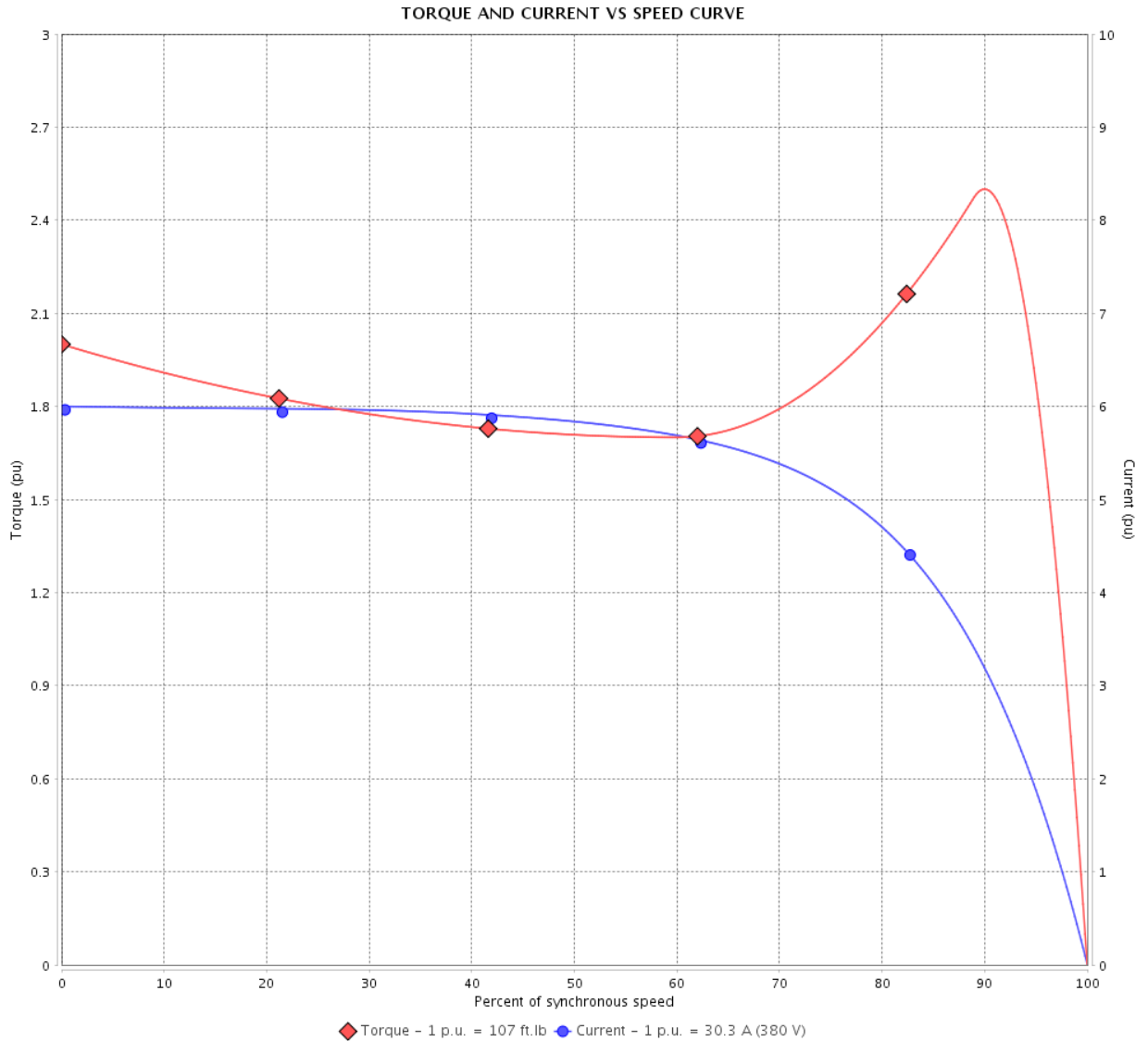
## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 380 V 50 Hz 6P IE3

Rated current	: 30.3 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 980 rpm	Design	: B

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

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# TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



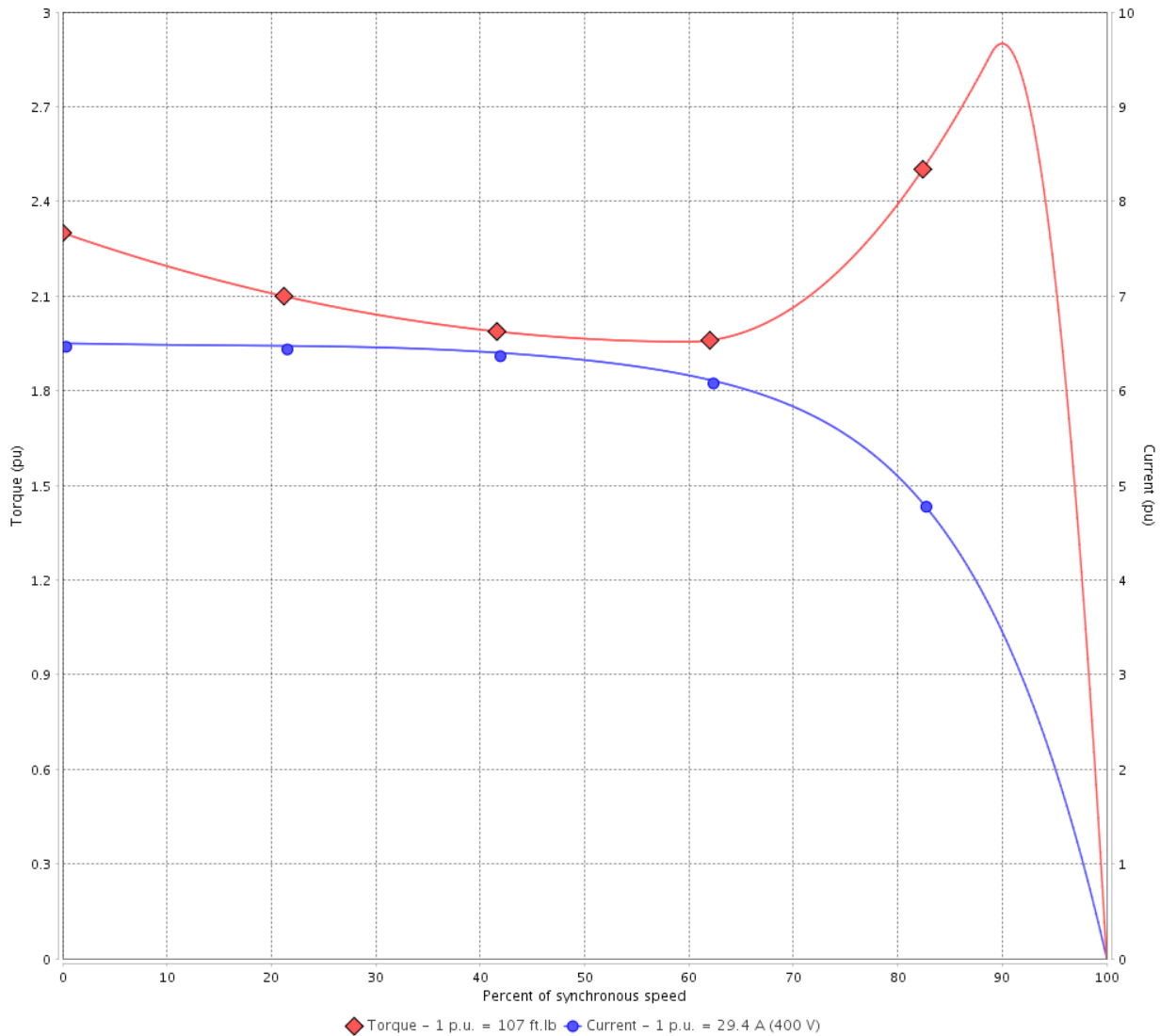
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G

TORQUE AND CURRENT VS SPEED CURVE



Performance : 400 V 50 Hz 6P IE3

Rated current	: 29.4 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B

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

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# TORQUE AND CURRENT VS SPEED CURVE



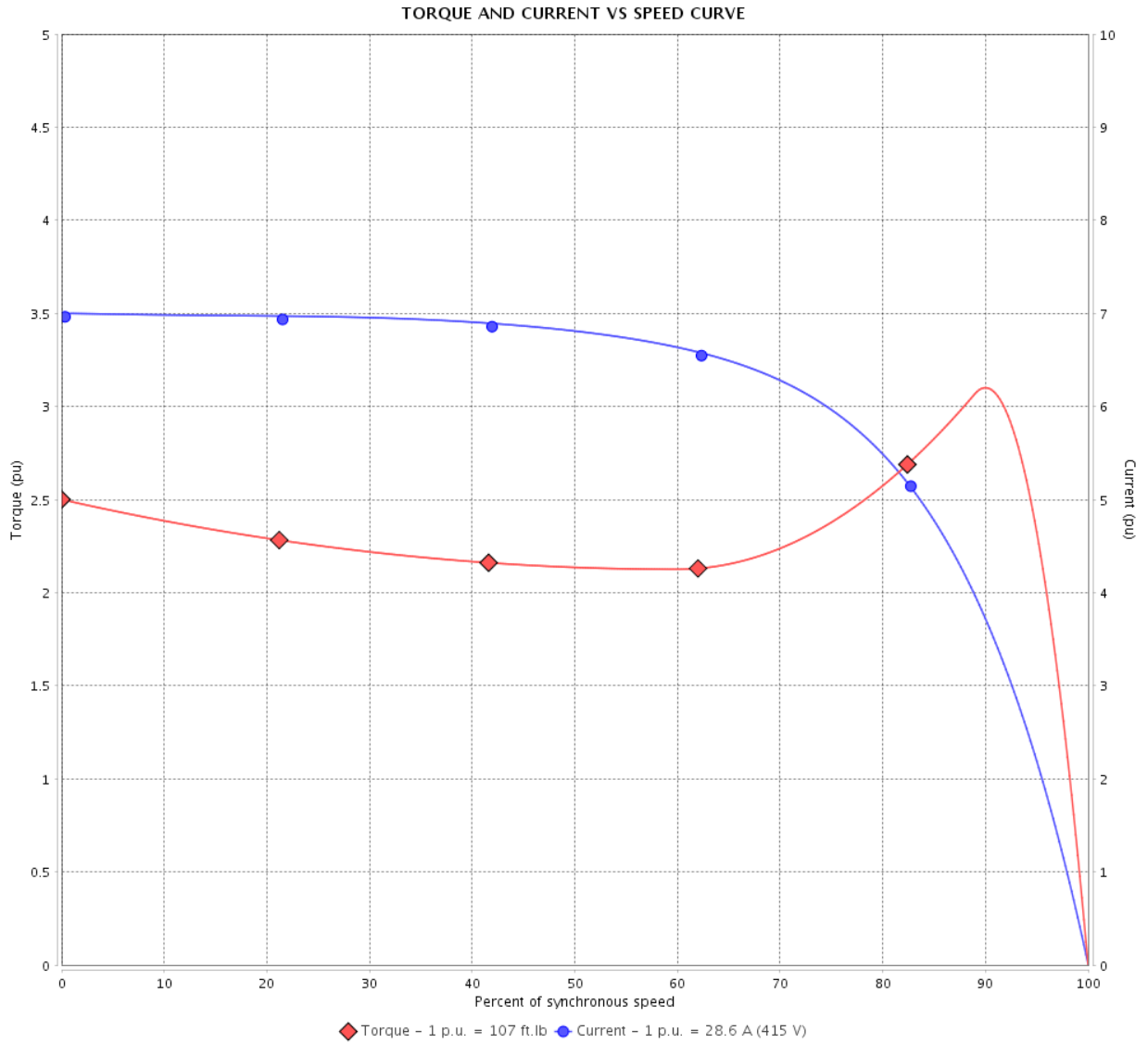
## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 415 V 50 Hz 6P IE3

Rated current	: 28.6 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B

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

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# TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

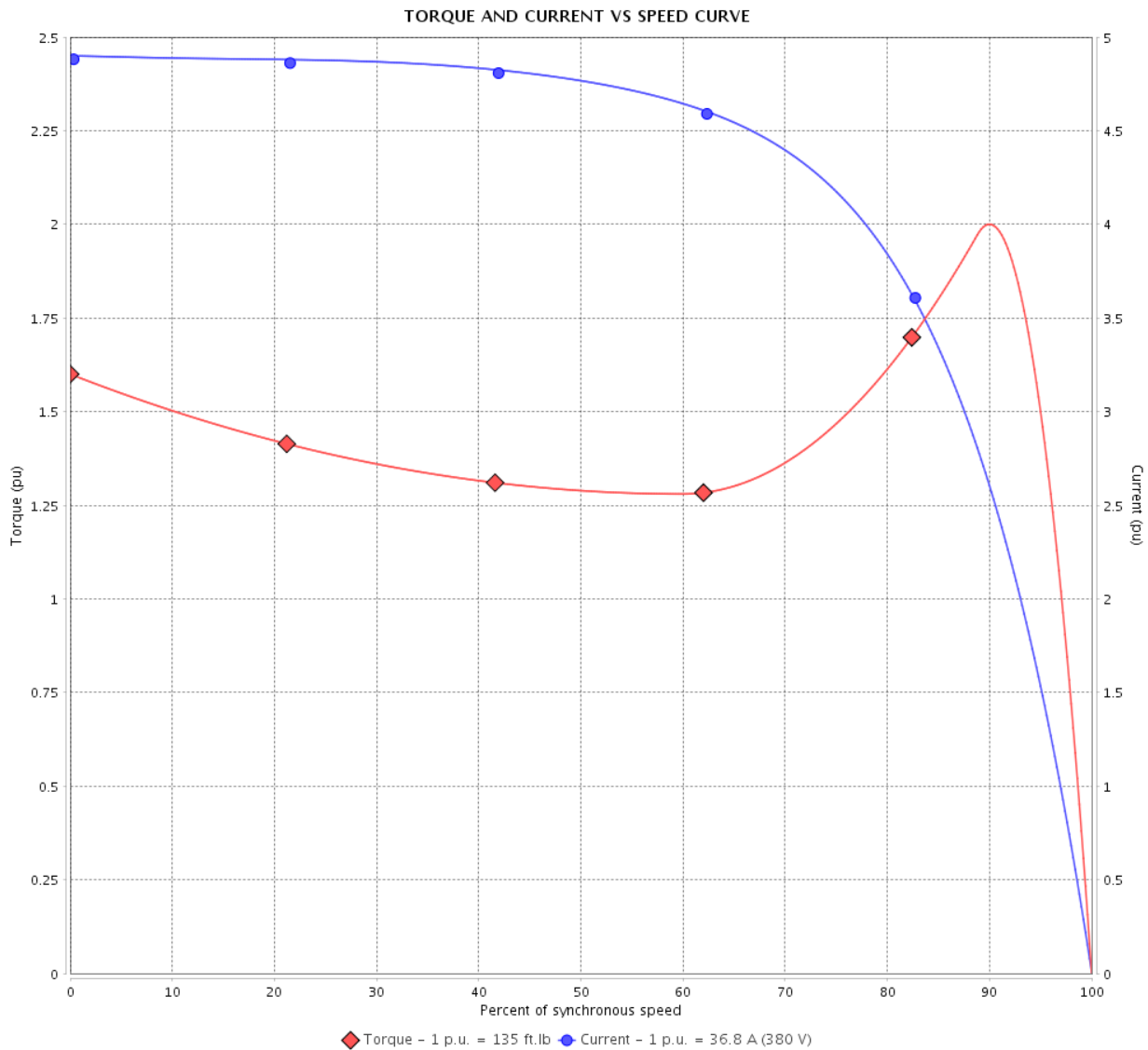


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 380 V 50 Hz 6P IE2

Rated current	: 36.8 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 4.9	Duty cycle	: Cont.(S1)
Rated torque	: 135 ft.lb	Insulation class	: F
Locked rotor torque	: 160 %	Service factor	: 1.00
Breakdown torque	: 200 %	Temperature rise	: 80 K
Rated speed	: 975 rpm	Design	: B

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

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# TORQUE AND CURRENT VS SPEED CURVE



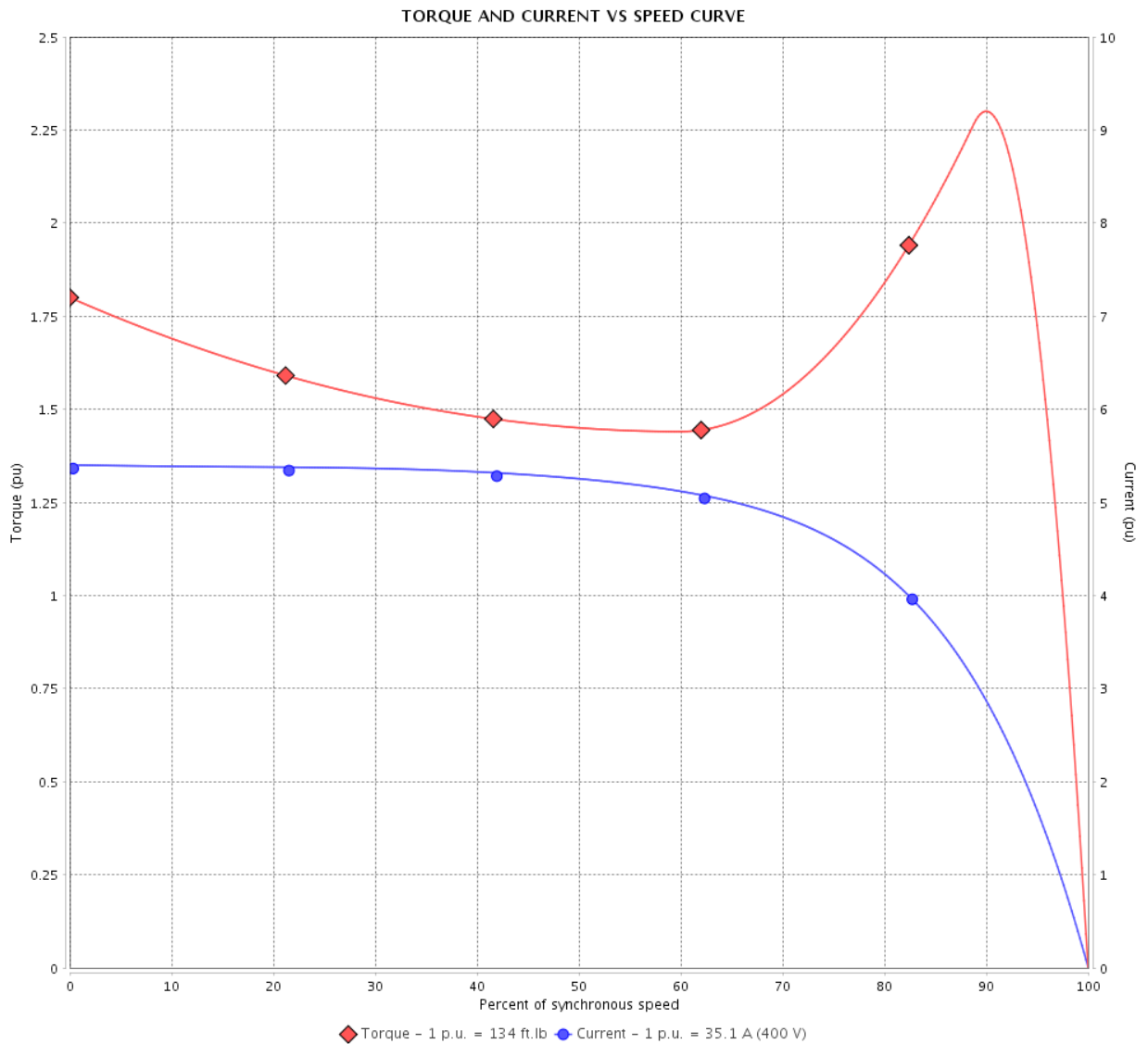
## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 400 V 50 Hz 6P IE3

Rated current	: 35.1 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 5.4	Duty cycle	: Cont.(S1)
Rated torque	: 134 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 980 rpm	Design	: B

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

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# TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



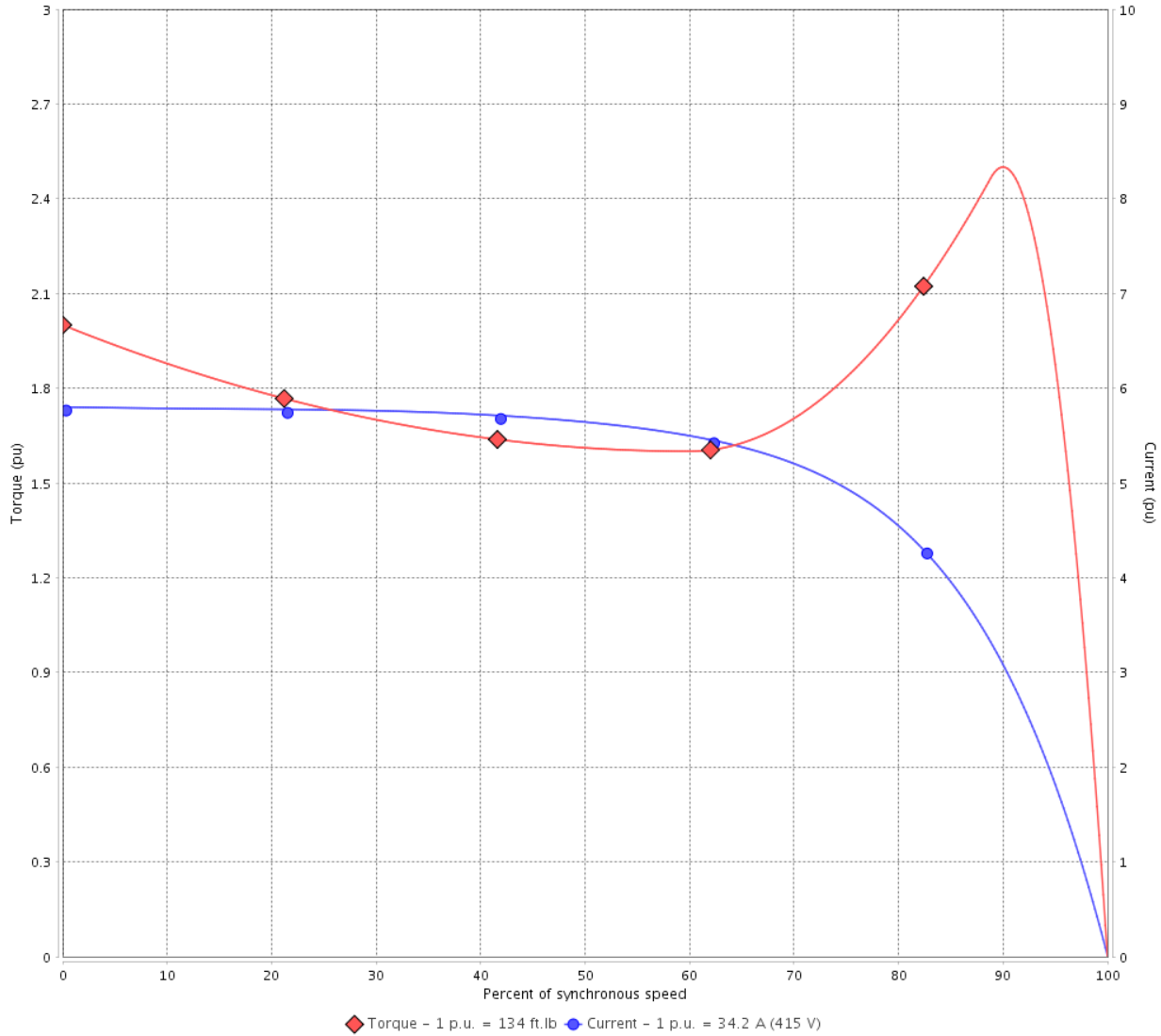
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G

TORQUE AND CURRENT VS SPEED CURVE



Performance : 415 V 50 Hz 6P IE3

Rated current	: 34.2 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 134 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 980 rpm	Design	: B

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

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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

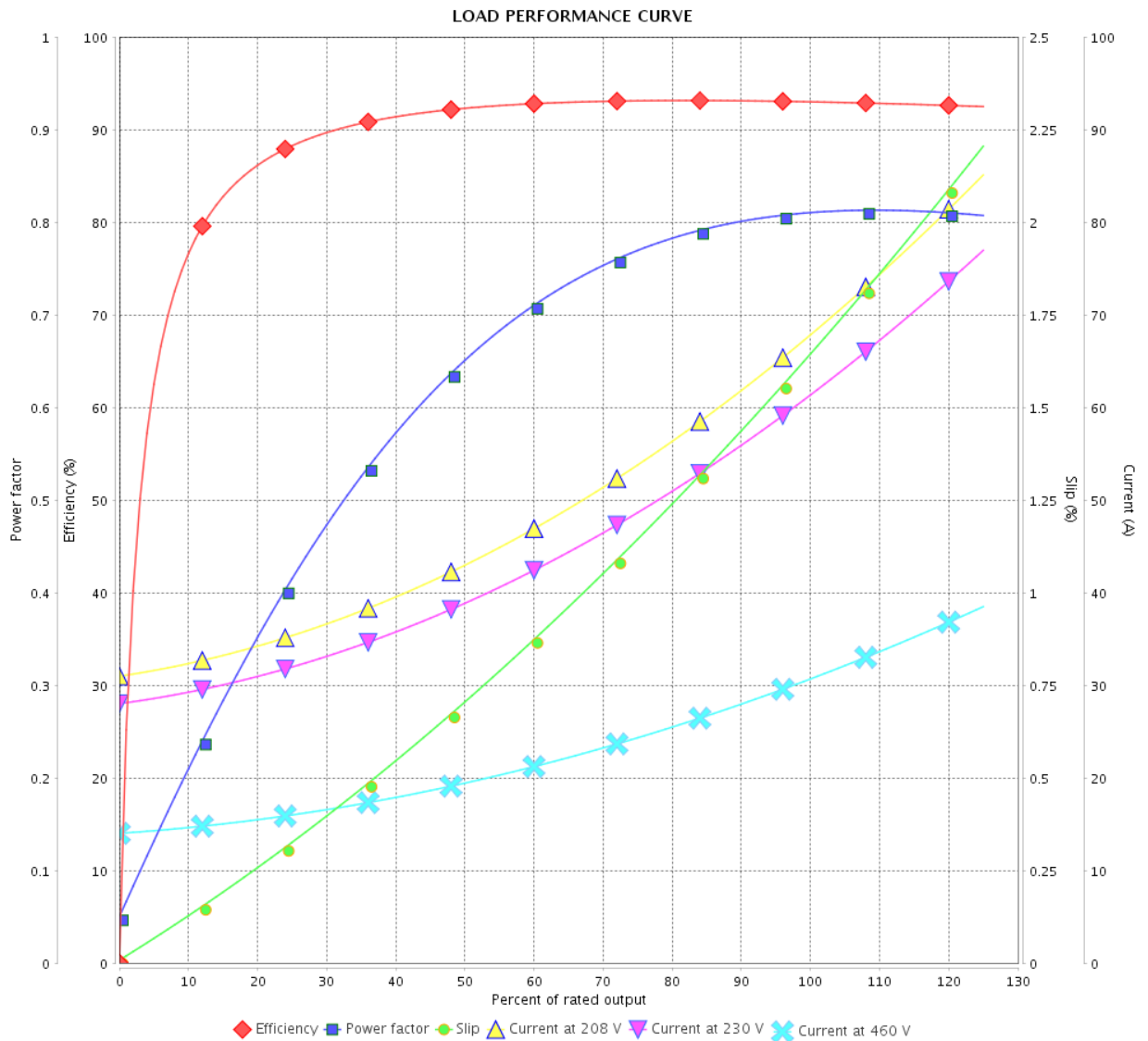


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 230/460 V 60 Hz 6P

Rated current : 61.6/30.8 A  
 LRC : 6.2  
 Rated torque : 111 ft.lb  
 Locked rotor torque : 210 %  
 Breakdown torque : 260 %  
 Rated speed : 1180 rpm

Moment of inertia (J) : 11.5 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.25  
 Temperature rise : 80 K  
 Design : B

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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



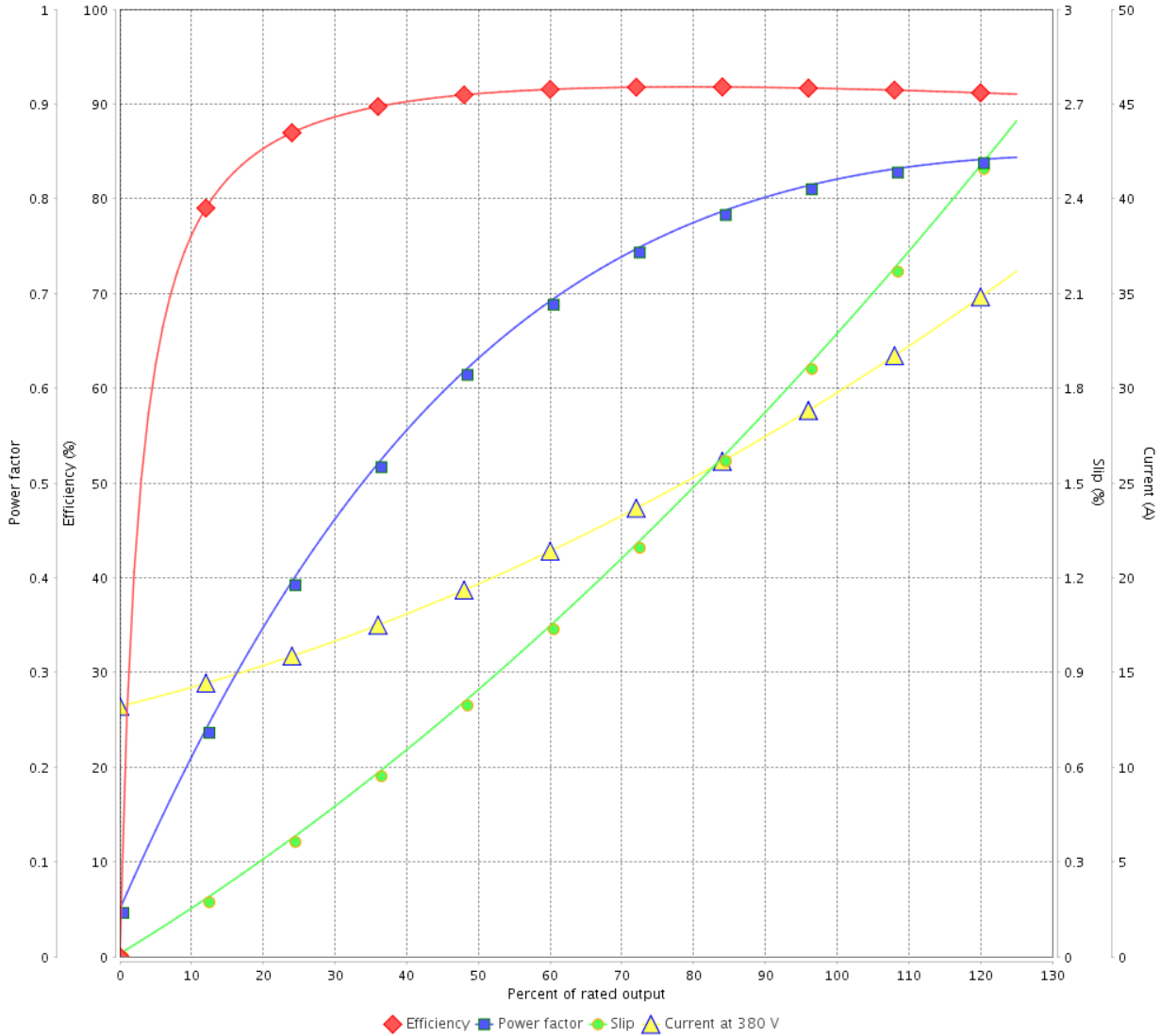
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G

LOAD PERFORMANCE CURVE



Performance : 380 V 50 Hz 6P IE3

Rated current : 30.3 A  
 LRC : 6.0  
 Rated torque : 107 ft.lb  
 Locked rotor torque : 200 %  
 Breakdown torque : 250 %  
 Rated speed : 980 rpm

Moment of inertia (J) : 11.5 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 80 K  
 Design : B

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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

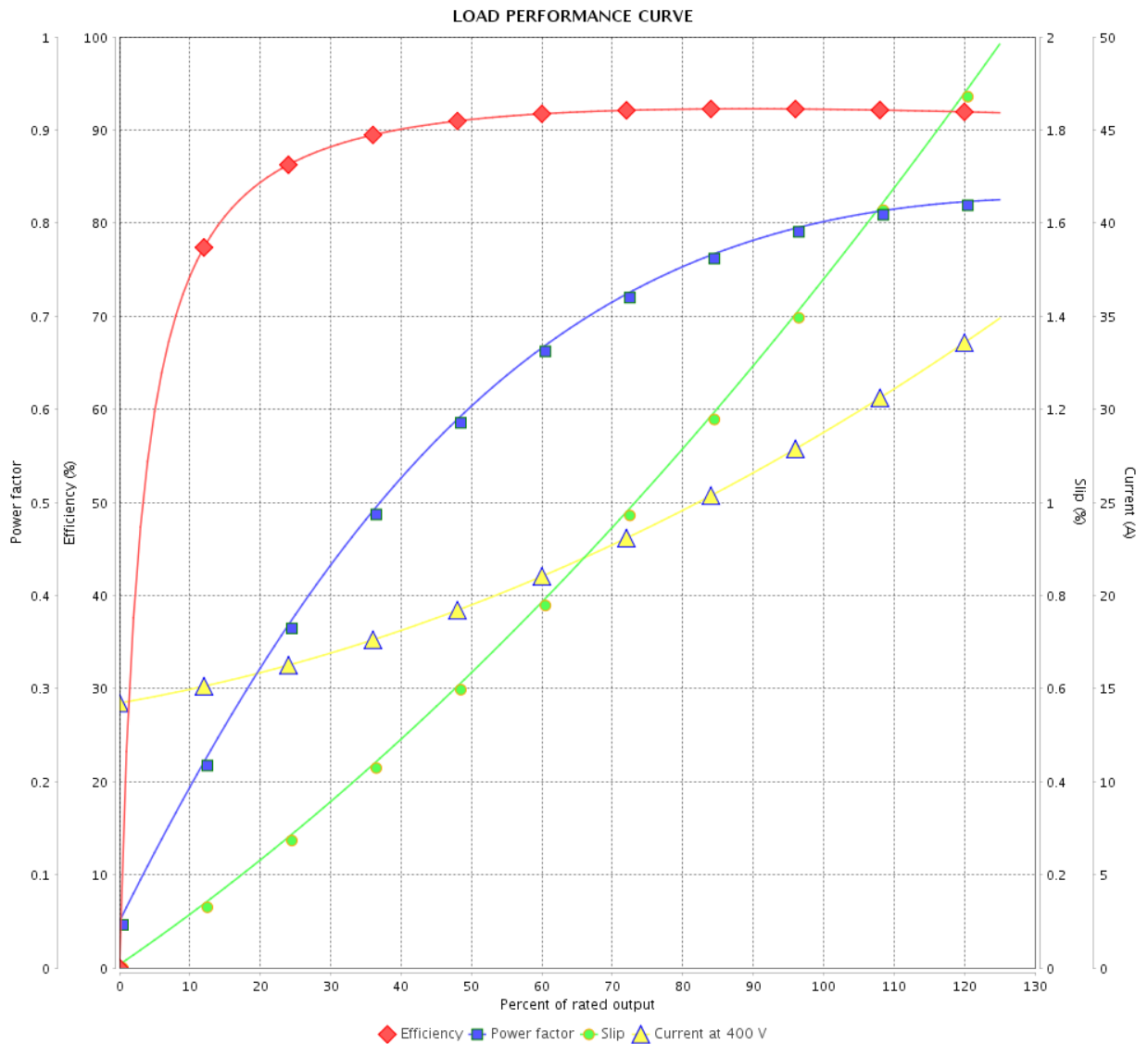


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 400 V 50 Hz 6P IE3

Rated current : 29.4 A  
 LRC : 6.5  
 Rated torque : 107 ft.lb  
 Locked rotor torque : 229 %  
 Breakdown torque : 290 %  
 Rated speed : 985 rpm

Moment of inertia (J) : 11.5 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



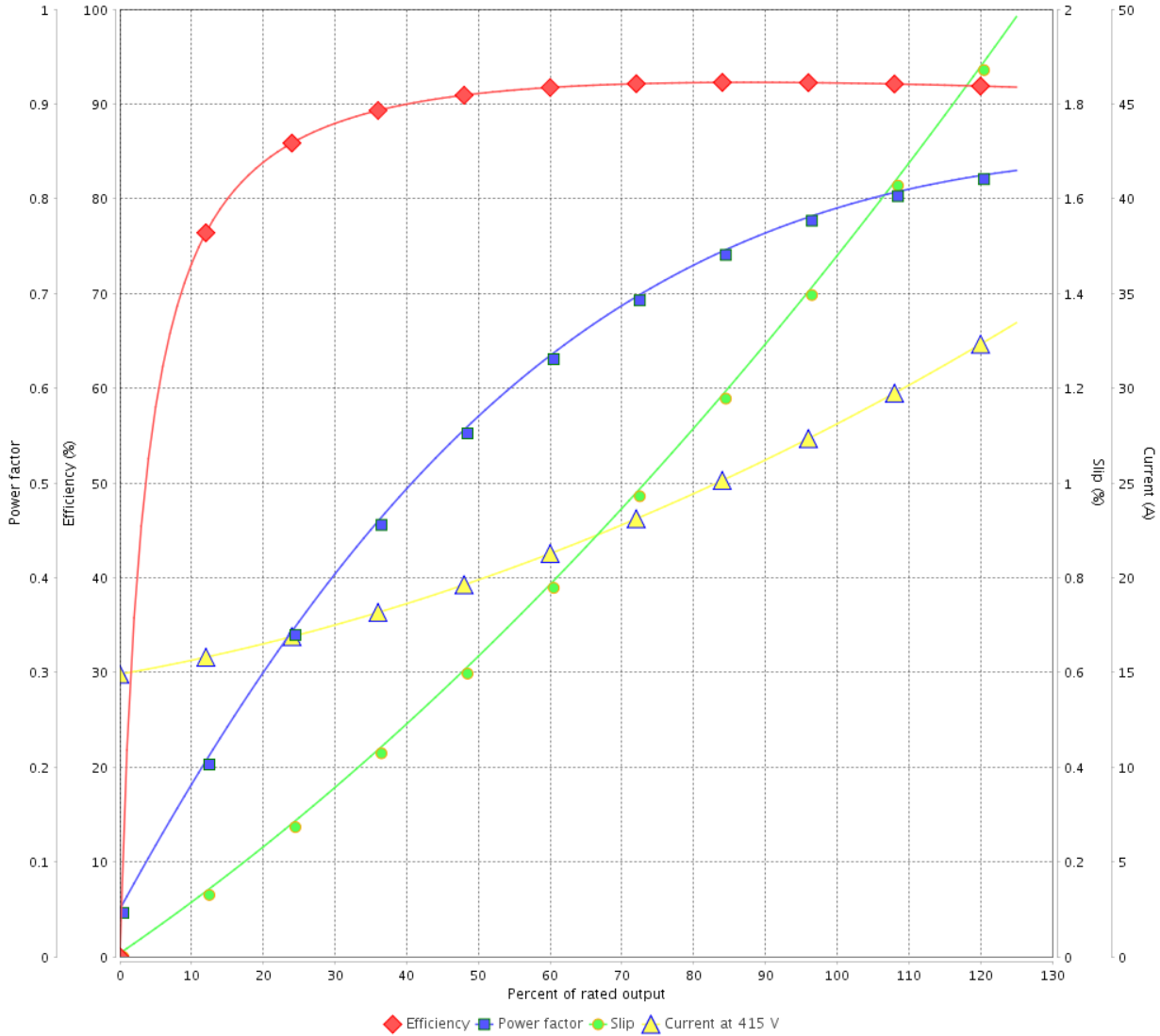
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G

LOAD PERFORMANCE CURVE



Performance : 415 V 50 Hz 6P IE3

Rated current : 28.6 A  
 LRC : 7.0  
 Rated torque : 107 ft.lb  
 Locked rotor torque : 250 %  
 Breakdown torque : 310 %  
 Rated speed : 985 rpm

Moment of inertia (J) : 11.5 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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## Three Phase Induction Motor - Squirrel Cage

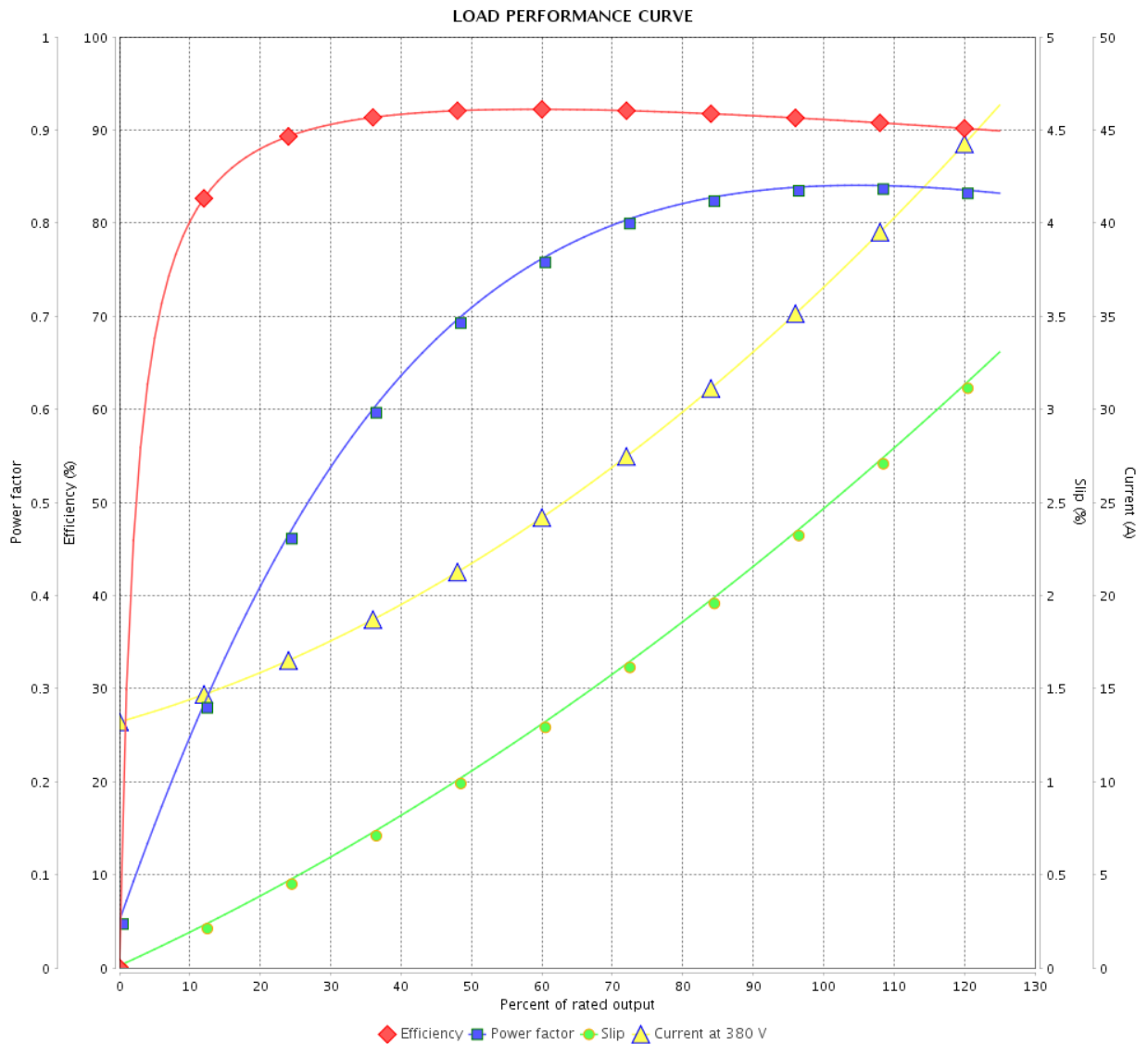


Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 380 V 50 Hz 6P IE2

Rated current : 36.8 A  
 LRC : 4.9  
 Rated torque : 135 ft.lb  
 Locked rotor torque : 160 %  
 Breakdown torque : 200 %  
 Rated speed : 975 rpm

Moment of inertia (J) : 11.5 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 80 K  
 Design : B

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# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



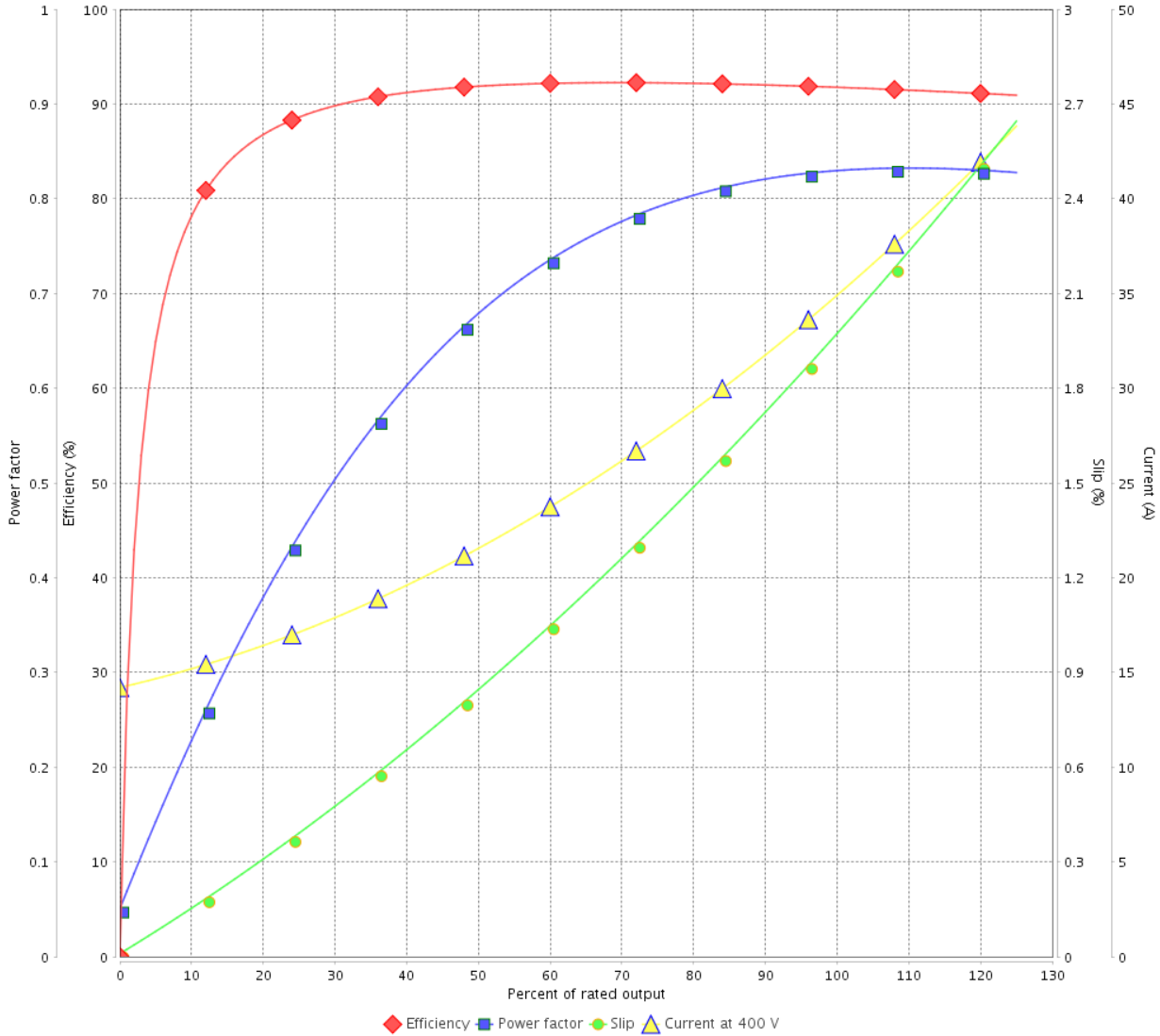
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G

LOAD PERFORMANCE CURVE



Performance : 400 V 50 Hz 6P IE3

Rated current : 35.1 A  
 LRC : 5.4  
 Rated torque : 134 ft.lb  
 Locked rotor torque : 180 %  
 Breakdown torque : 229 %  
 Rated speed : 980 rpm

Moment of inertia (J) : 11.5 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

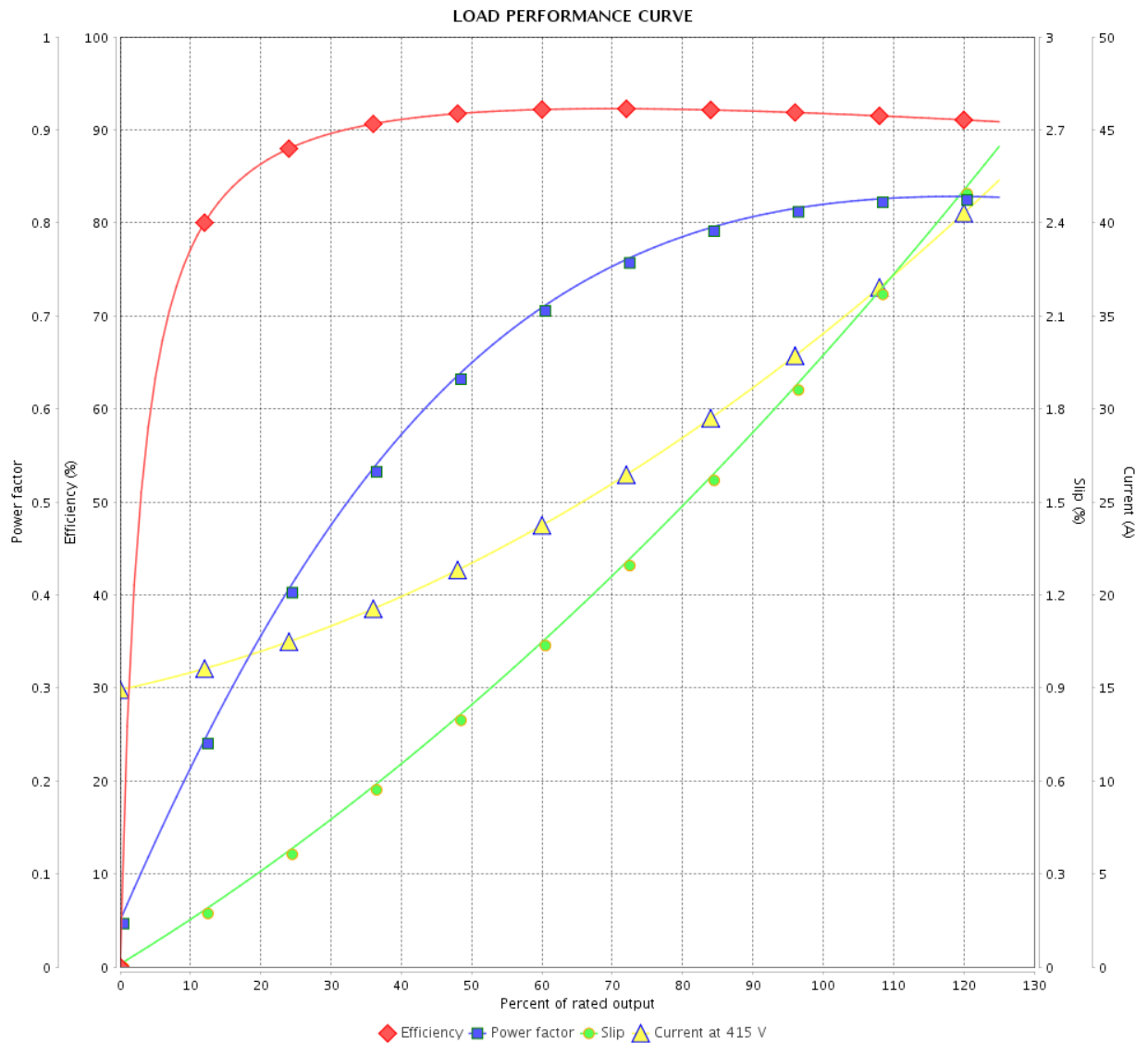


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 415 V 50 Hz 6P IE3

Rated current : 34.2 A  
 LRC : 5.8  
 Rated torque : 134 ft.lb  
 Locked rotor torque : 200 %  
 Breakdown torque : 250 %  
 Rated speed : 980 rpm

Moment of inertia (J) : 11.5 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 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 : 12769895  
Catalog # : 02512ET3E324T-W22G

Performance : 230/460 V 60 Hz 6P

Rated current	: 61.6/30.8 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 111 ft.lb	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.25
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 1180 rpm	Design	: B

Heating constant

Cooling constant

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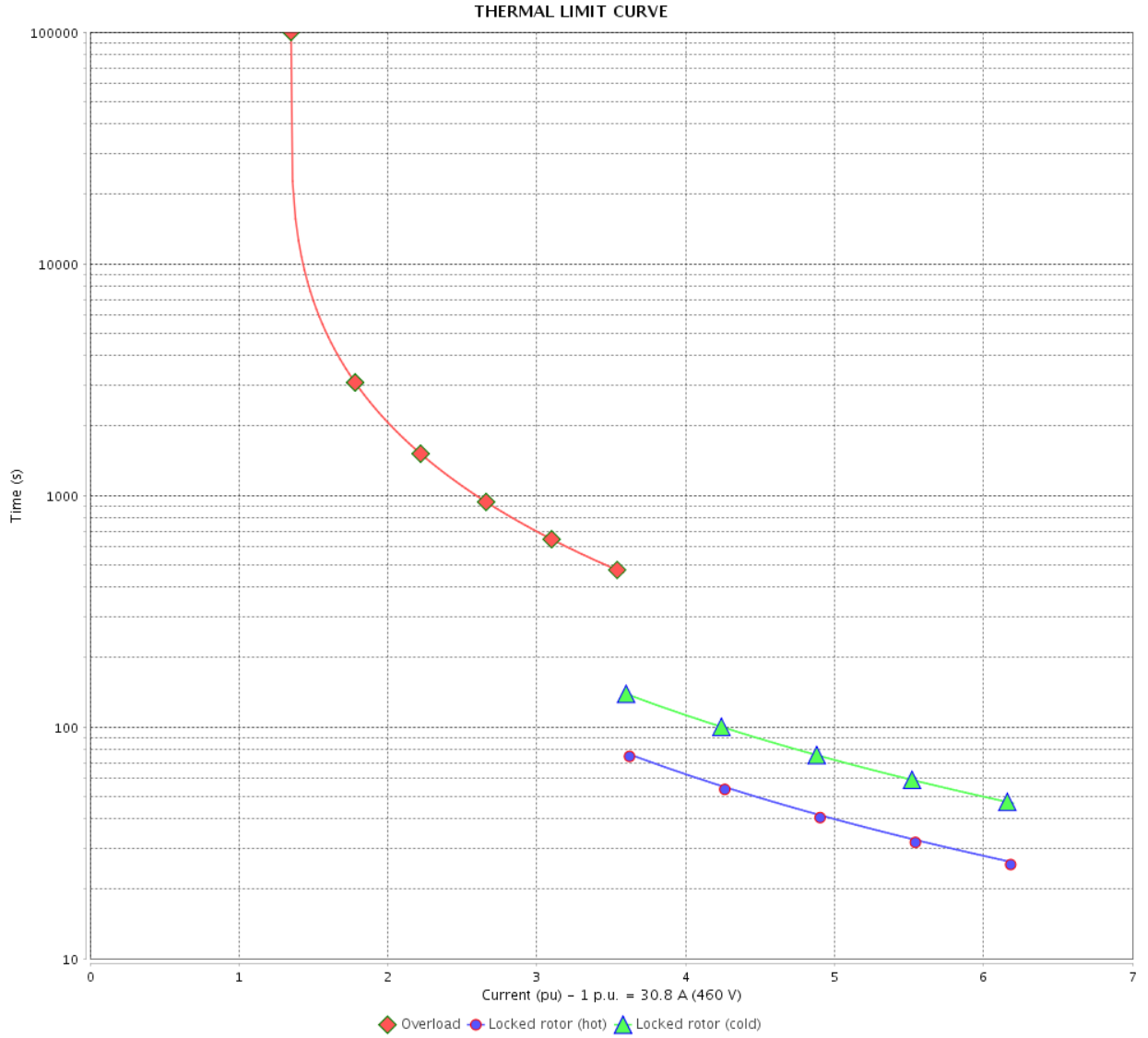


# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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# THERMAL LIMIT CURVE



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase  
Product code : 12769895  
Catalog # : 02512ET3E324T-W22G

Performance : 380 V 50 Hz 6P IE3

Rated current	: 30.3 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.00
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 980 rpm	Design	: B

Heating constant

Cooling constant

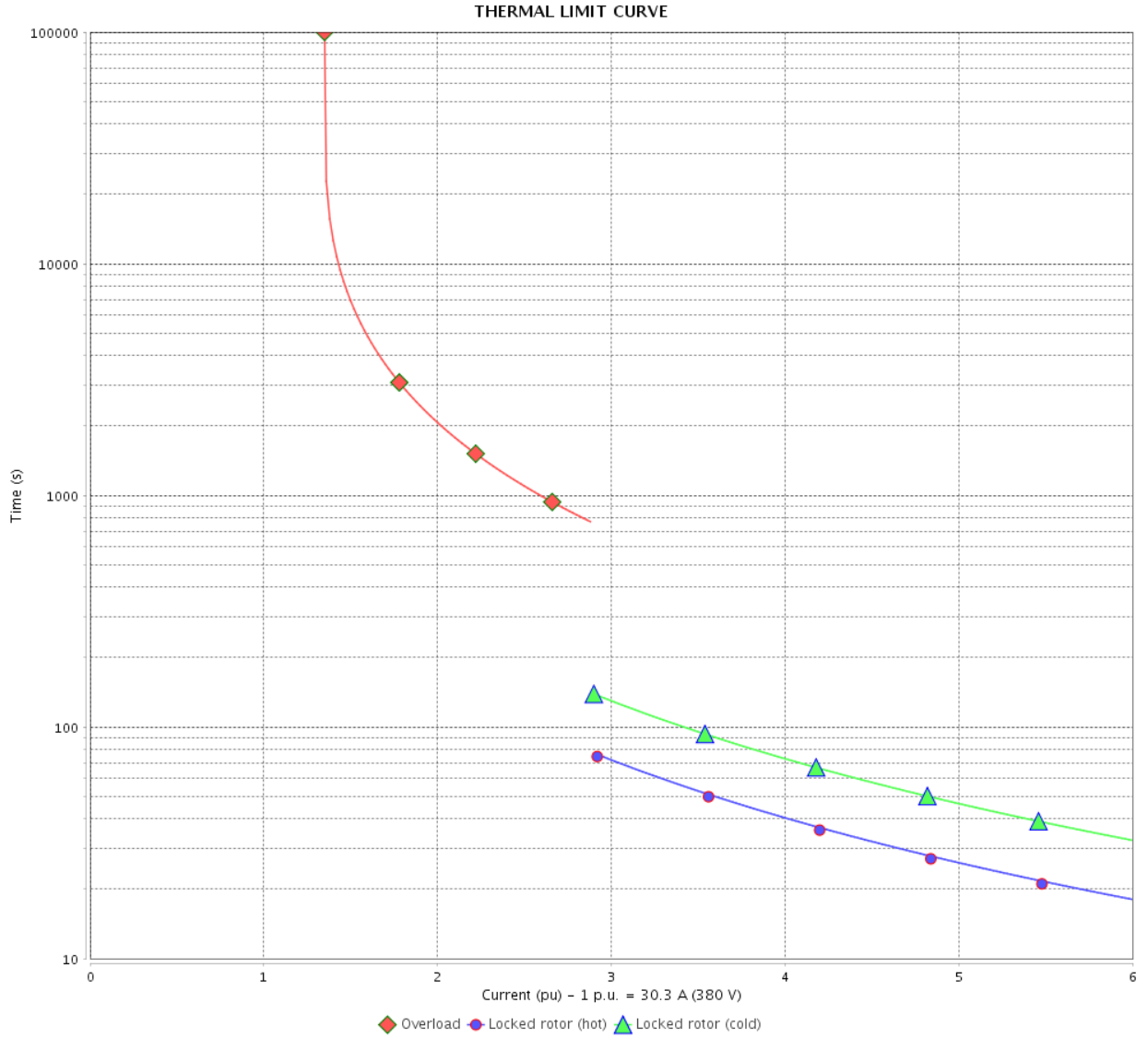
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# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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# THERMAL LIMIT CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase  
Product code : 12769895  
Catalog # : 02512ET3E324T-W22G

Performance : 400 V 50 Hz 6P IE3

Rated current	: 29.4 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B

Heating constant

Cooling constant

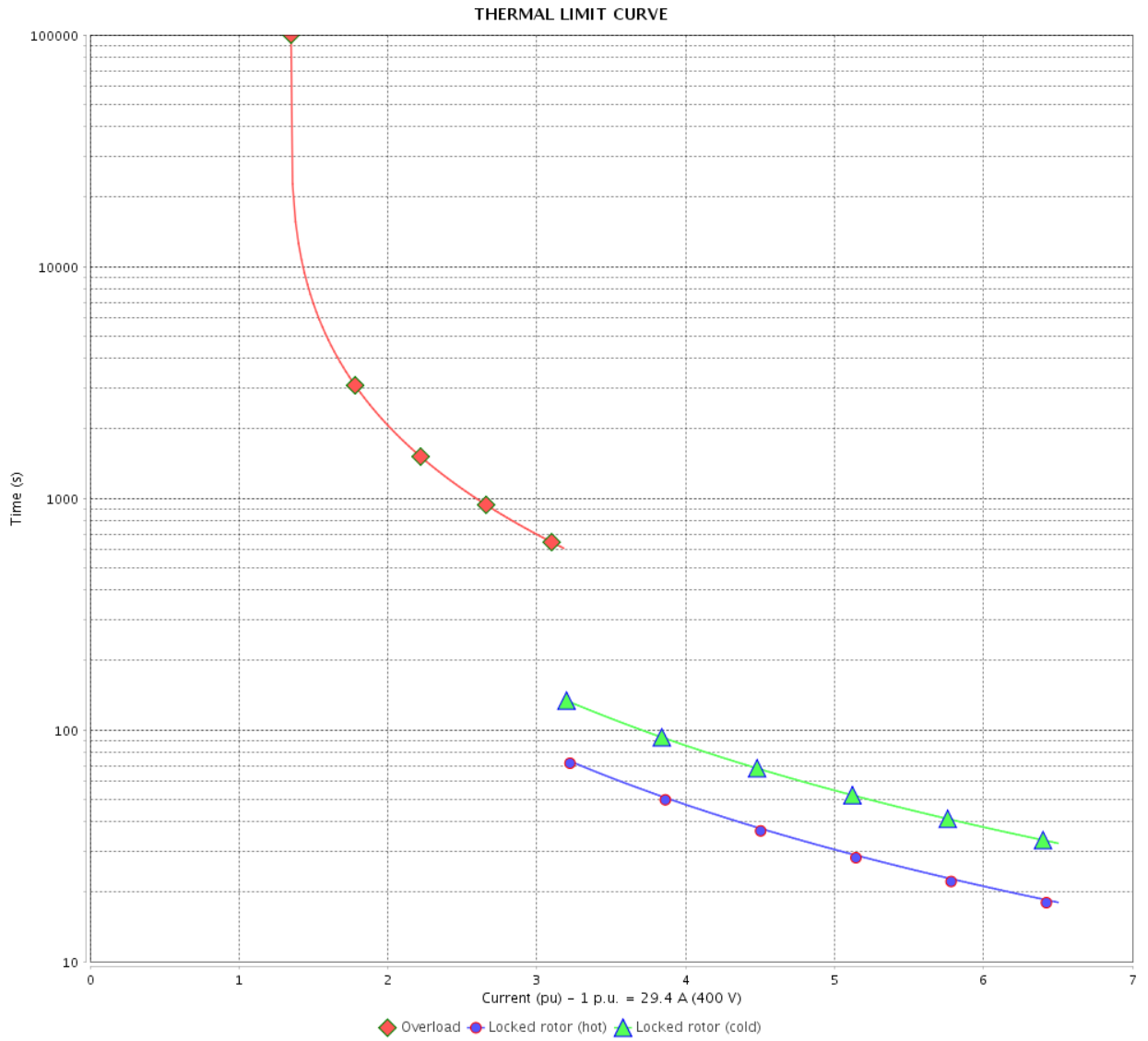
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# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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# THERMAL LIMIT CURVE

## Three Phase Induction Motor - Squirrel Cage



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Performance : 415 V 50 Hz 6P IE3

Rated current	: 28.6 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 107 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B

Heating constant

Cooling constant

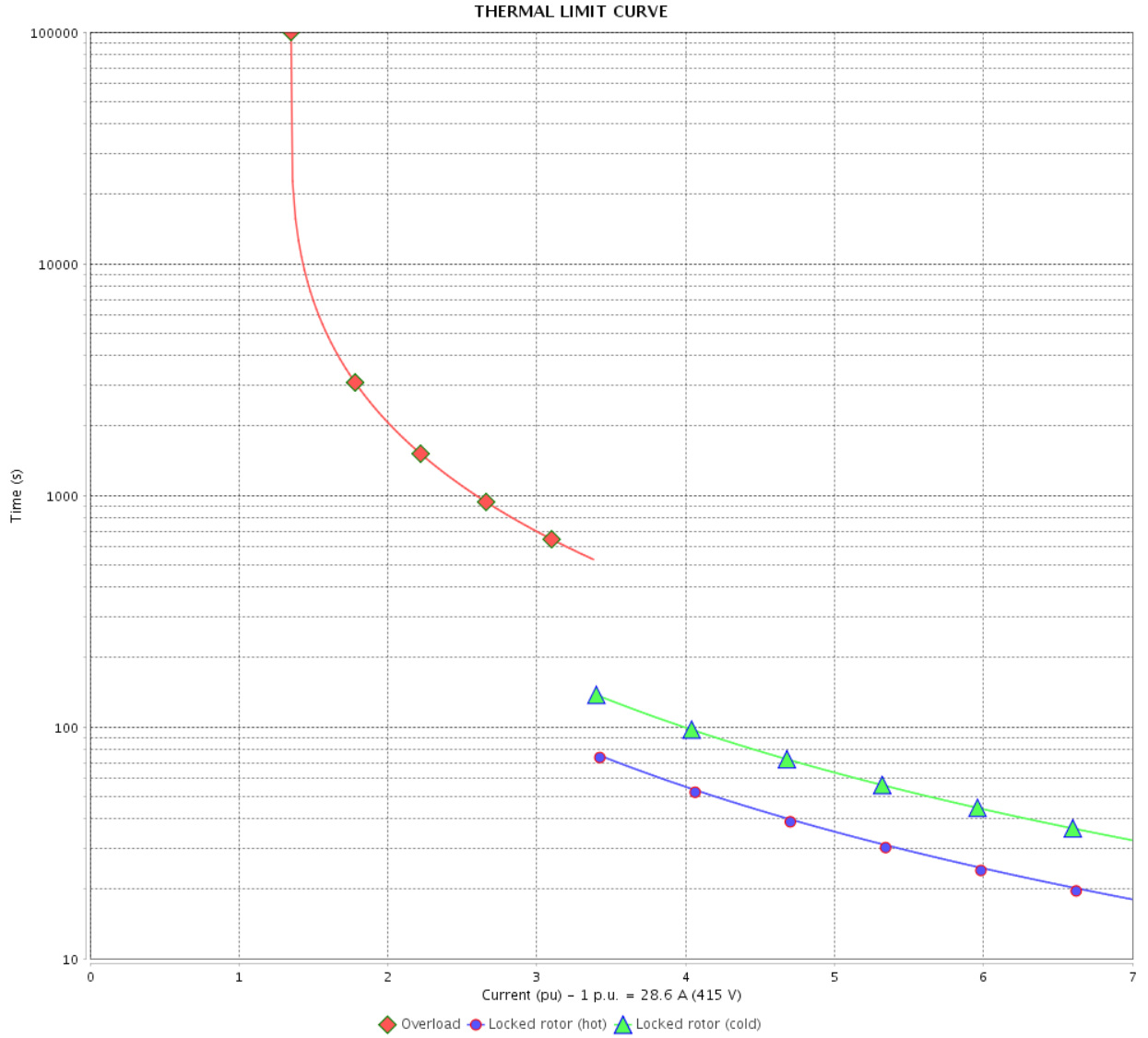
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Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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Date				

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## Three Phase Induction Motor - Squirrel Cage

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Catalog # : 02512ET3E324T-W22G

Performance : 380 V 50 Hz 6P IE2

Rated current	: 36.8 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 4.9	Duty cycle	: Cont.(S1)
Rated torque	: 135 ft.lb	Insulation class	: F
Locked rotor torque	: 160 %	Service factor	: 1.00
Breakdown torque	: 200 %	Temperature rise	: 80 K
Rated speed	: 975 rpm	Design	: B

Heating constant

Cooling constant

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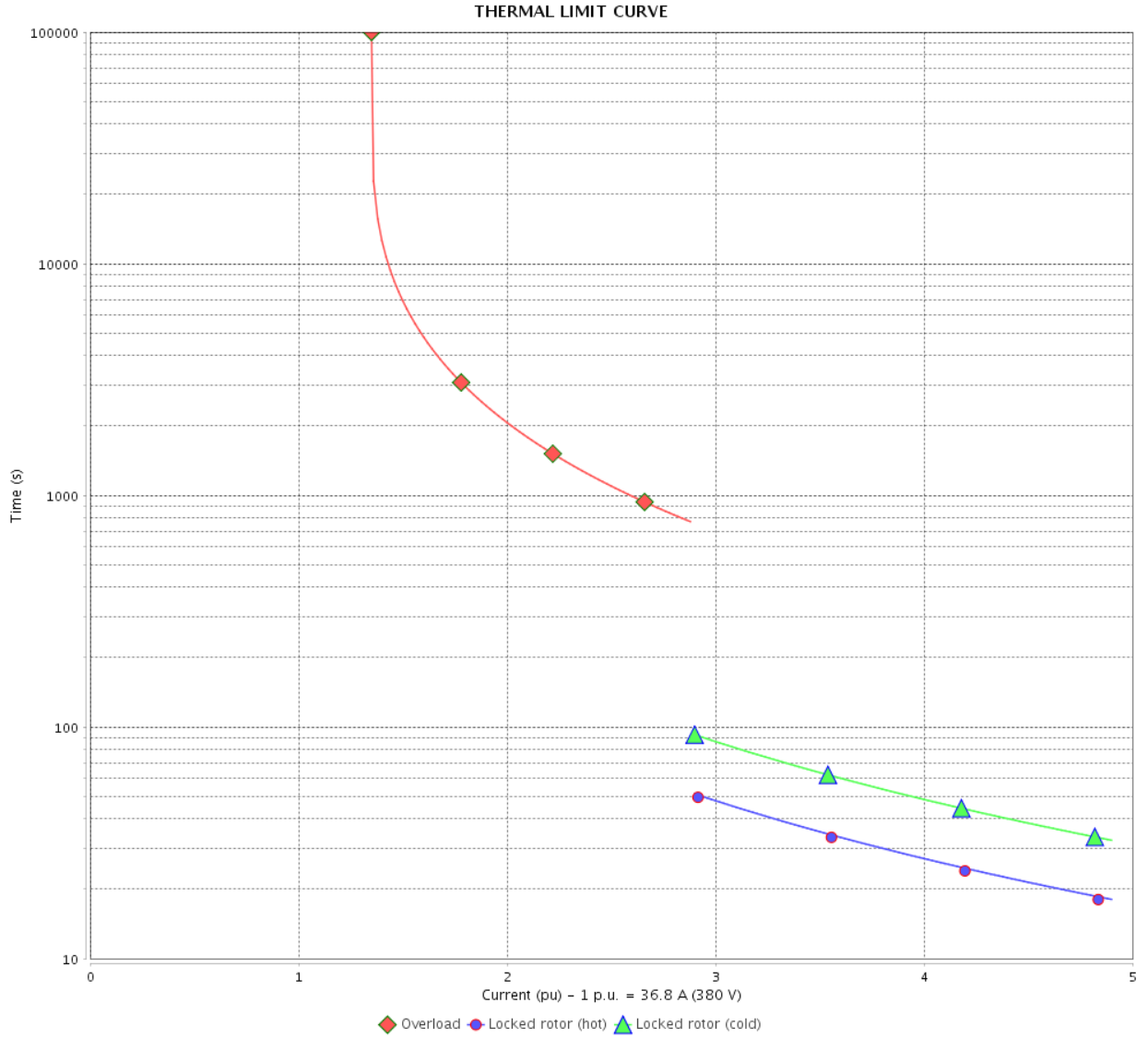


# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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Checked by				
Date				
			Page	Revision
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# THERMAL LIMIT CURVE



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase  
Product code : 12769895  
Catalog # : 02512ET3E324T-W22G

Performance : 400 V 50 Hz 6P IE3

Rated current	: 35.1 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 5.4	Duty cycle	: Cont.(S1)
Rated torque	: 134 ft.lb	Insulation class	: F
Locked rotor torque	: 180 %	Service factor	: 1.15
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 980 rpm	Design	: B

Heating constant

Cooling constant

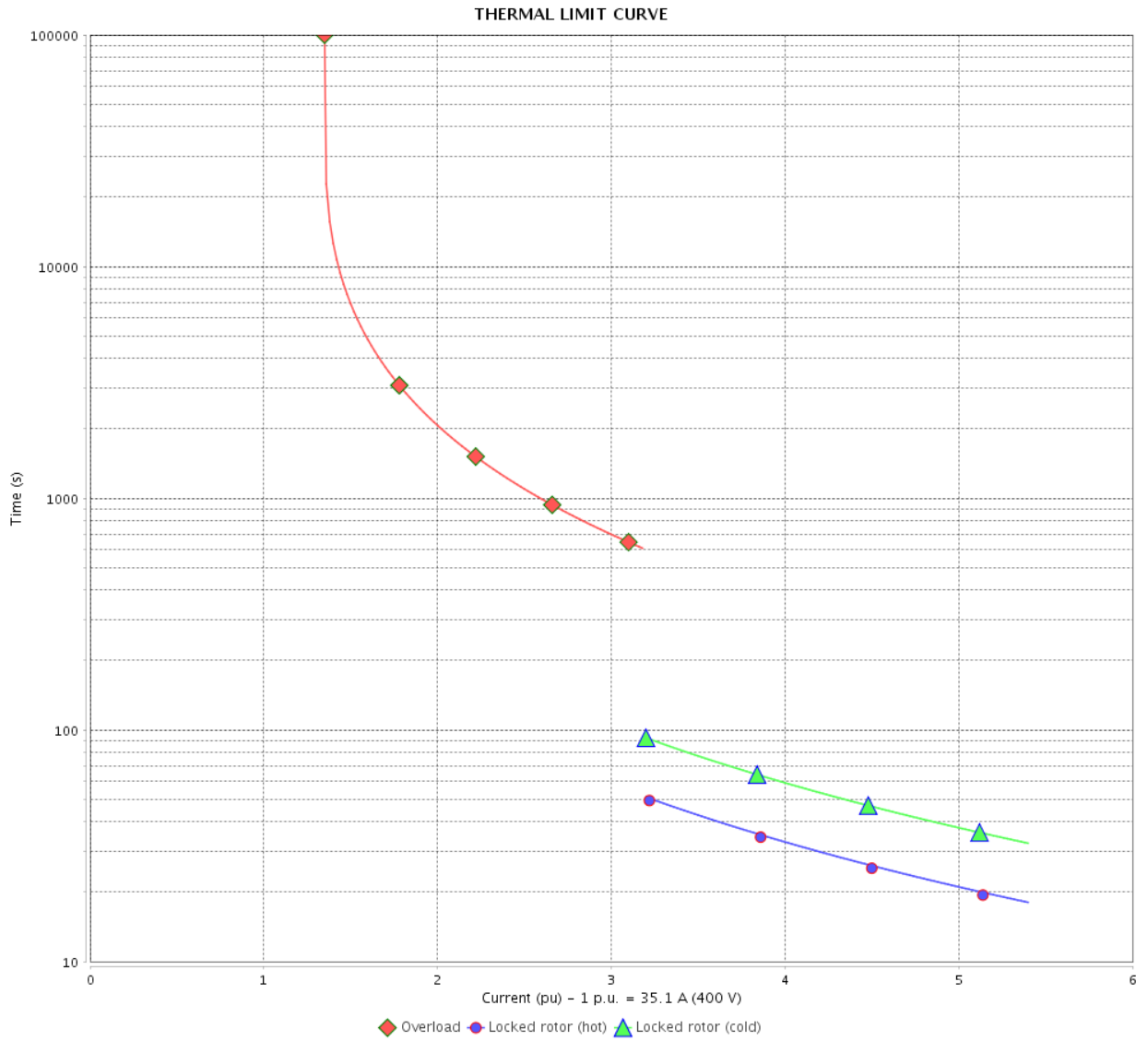
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	13/04/2022		26 / 36	

# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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Date		13/04/2022		

# THERMAL LIMIT CURVE



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase  
Product code : 12769895  
Catalog # : 02512ET3E324T-W22G

Performance : 415 V 50 Hz 6P IE3

Rated current	: 34.2 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 134 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.15
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 980 rpm	Design	: B

Heating constant

Cooling constant

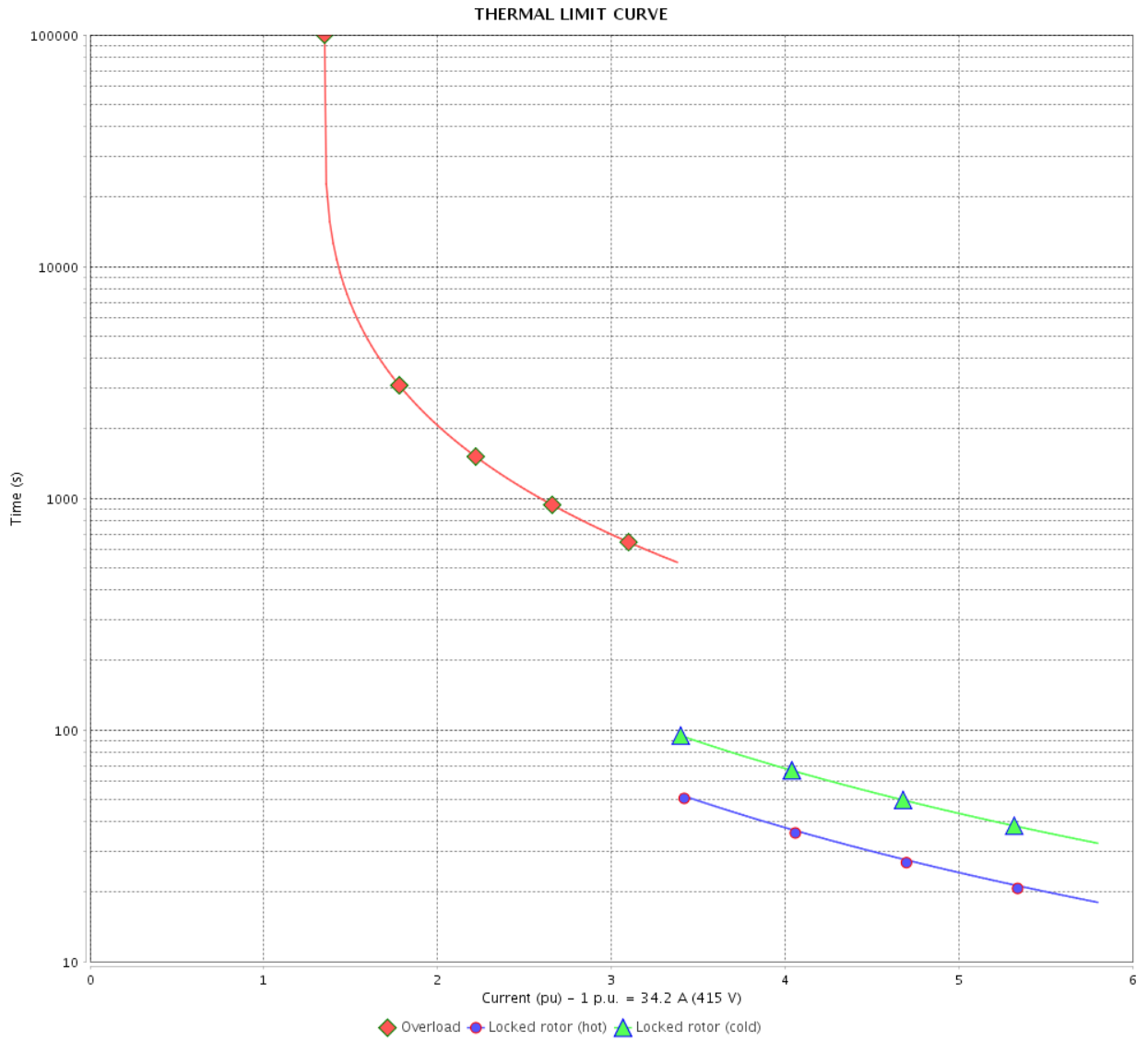
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	13/04/2022		Page 28 / 36	Revision

# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_



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Checked by				
Date				

# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

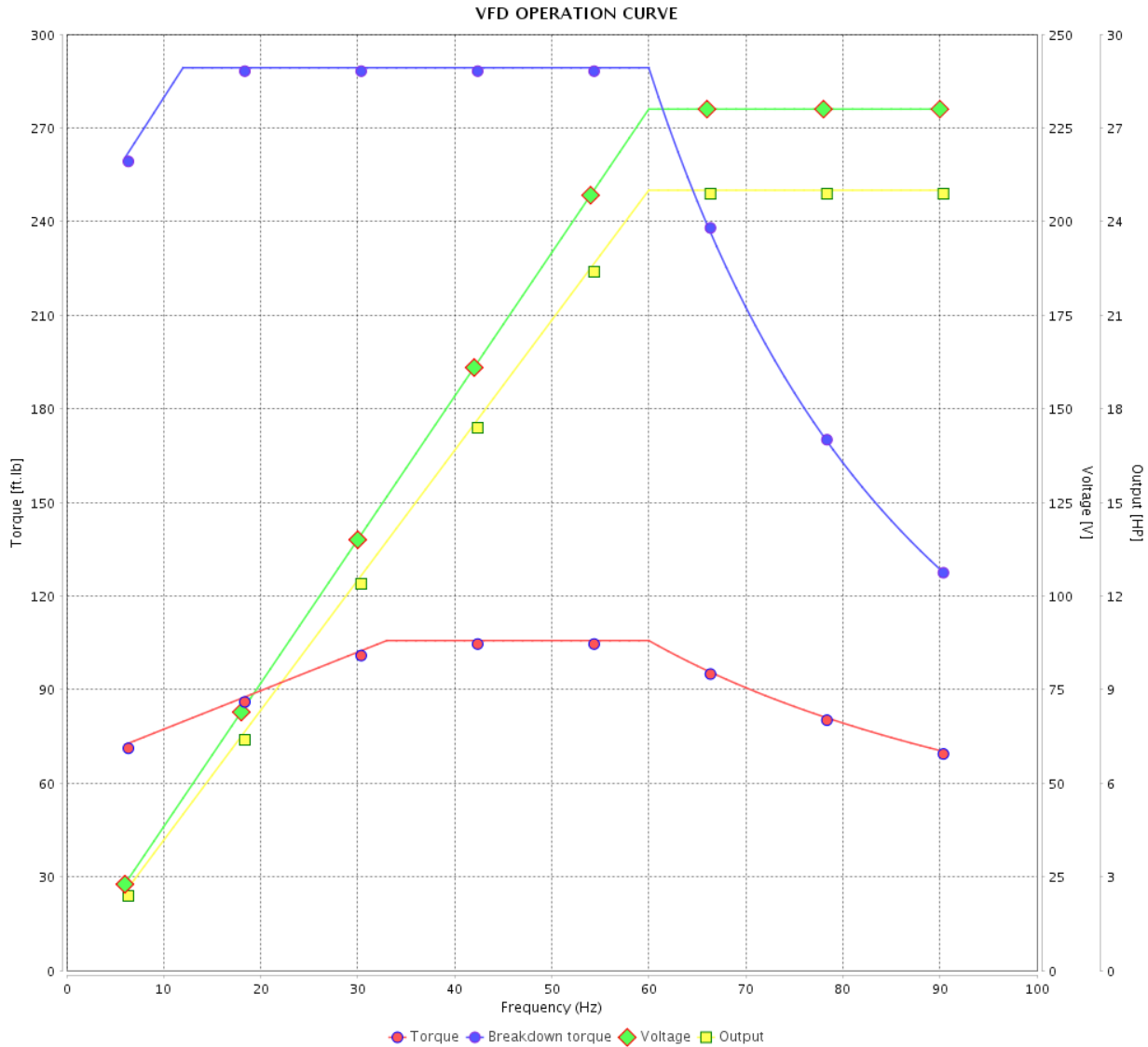


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 230/460 V 60 Hz 6P

Rated current : 61.6/30.8 A  
 LRC : 6.2  
 Rated torque : 111 ft.lb  
 Locked rotor torque : 210 %  
 Breakdown torque : 260 %  
 Rated speed : 1180 rpm

Moment of inertia (J) : 11.5 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

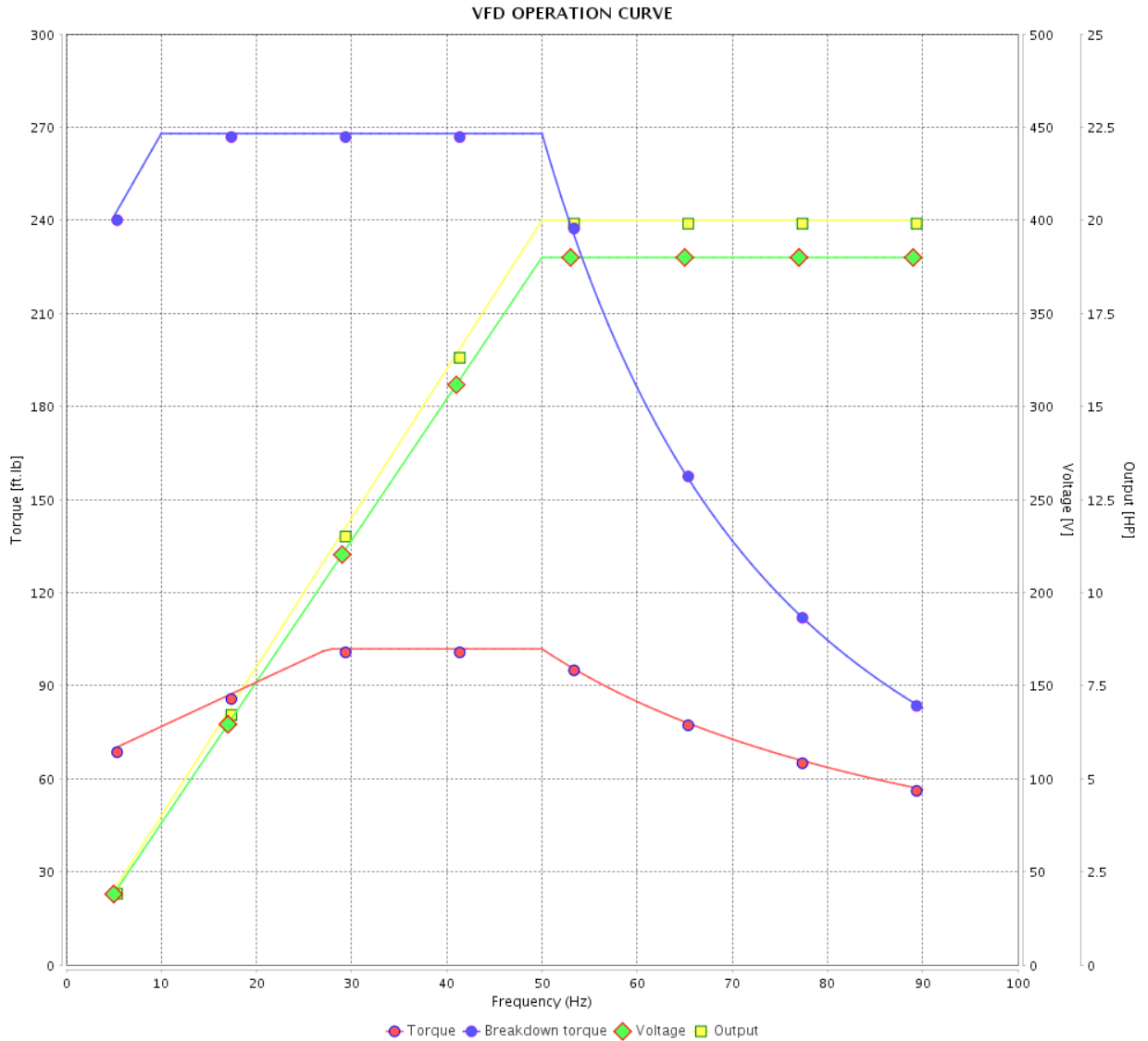


Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 380 V 50 Hz 6P IE3

Rated current : 30.3 A  
 LRC : 6.0  
 Rated torque : 107 ft.lb  
 Locked rotor torque : 200 %  
 Breakdown torque : 250 %  
 Rated speed : 980 rpm

Moment of inertia (J) : 11.5 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.00  
 Temperature rise : 80 K  
 Design : B

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Date	13/04/2022			
				Revision

# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

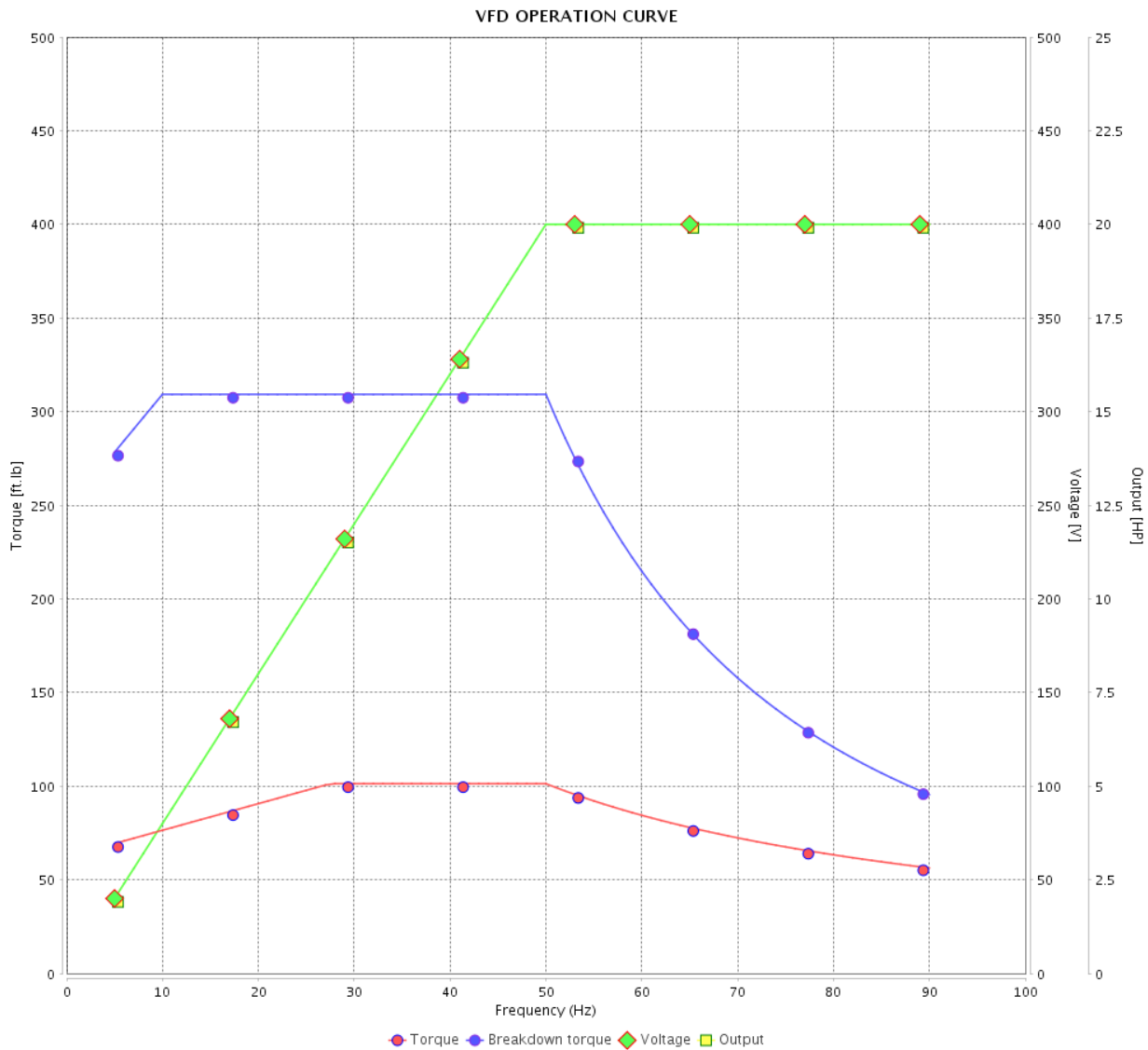


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 400 V 50 Hz 6P IE3

Rated current : 29.4 A  
 LRC : 6.5  
 Rated torque : 107 ft.lb  
 Locked rotor torque : 229 %  
 Breakdown torque : 290 %  
 Rated speed : 985 rpm

Moment of inertia (J) : 11.5 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
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Checked by				
Date				



# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

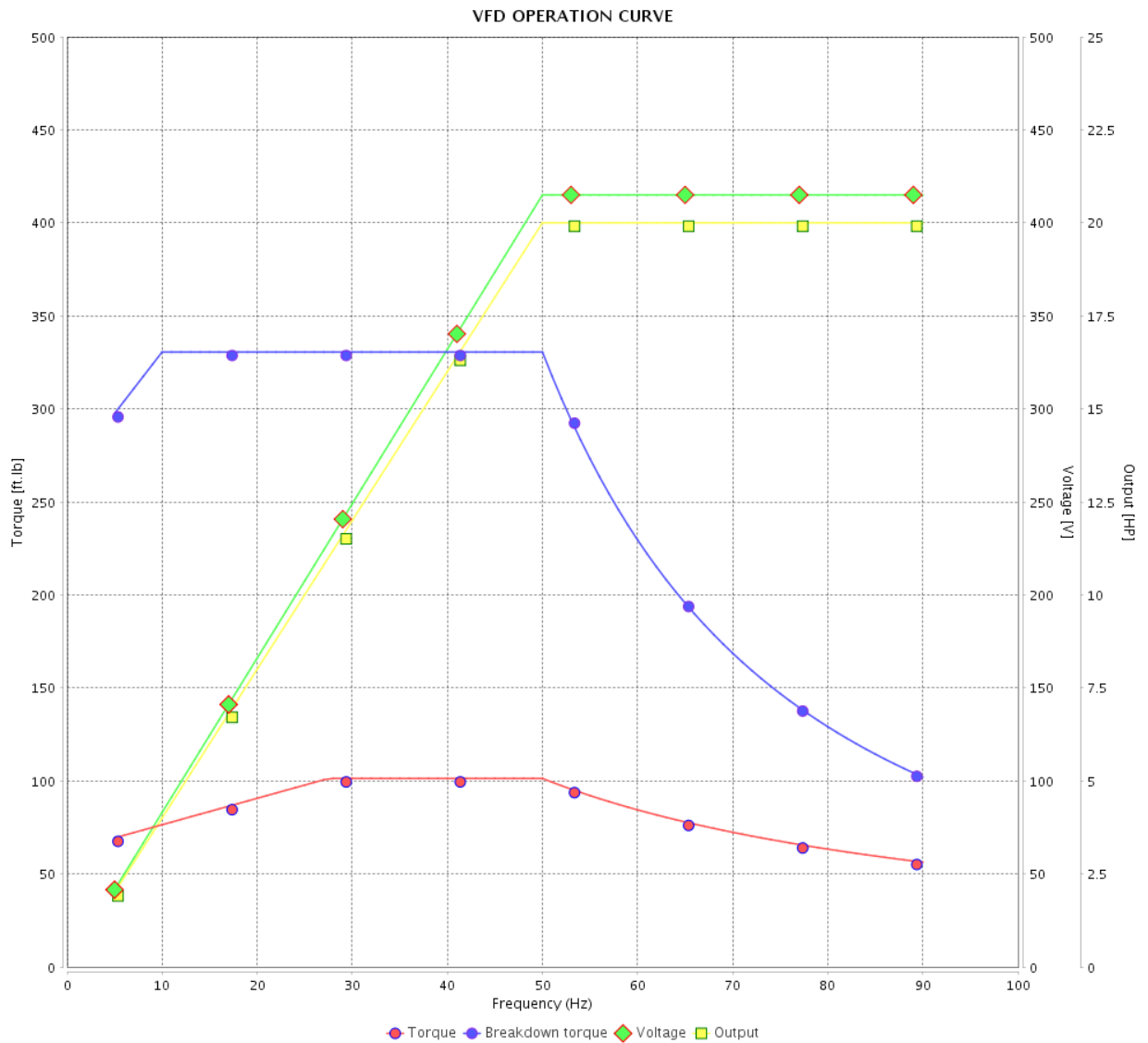


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 415 V 50 Hz 6P IE3

Rated current : 28.6 A  
 LRC : 7.0  
 Rated torque : 107 ft.lb  
 Locked rotor torque : 250 %  
 Breakdown torque : 310 %  
 Rated speed : 985 rpm

Moment of inertia (J) : 11.5 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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Date	13/04/2022			
				Revision

# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



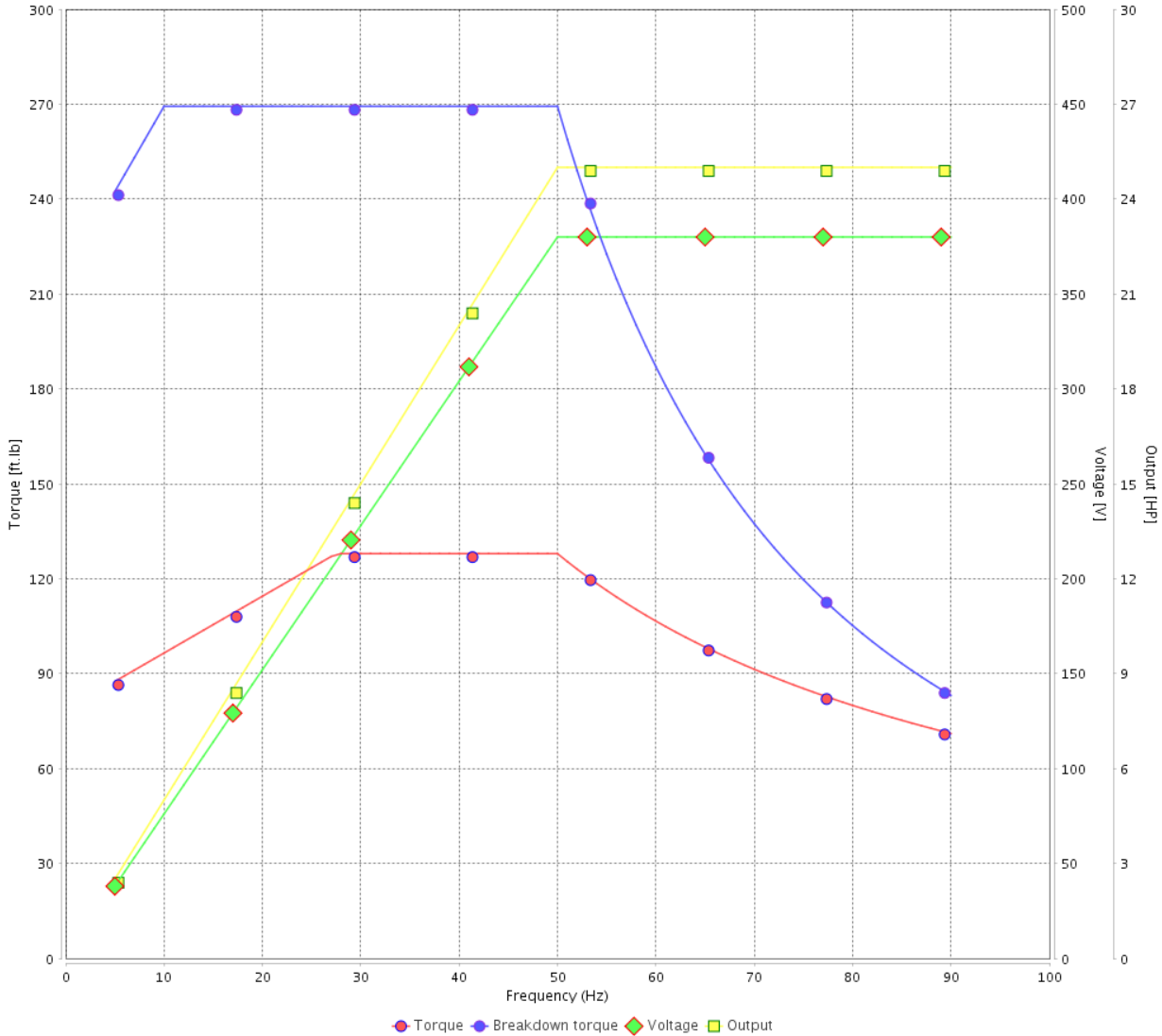
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G

VFD OPERATION CURVE



Performance : 380 V 50 Hz 6P IE2

Rated current	: 36.8 A	Moment of inertia (J)	: 11.5 sq.ft.lb
LRC	: 4.9	Duty cycle	: Cont.(S1)
Rated torque	: 135 ft.lb	Insulation class	: F
Locked rotor torque	: 160 %	Service factor	: 1.00
Breakdown torque	: 200 %	Temperature rise	: 80 K
Rated speed	: 975 rpm	Design	: B

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# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

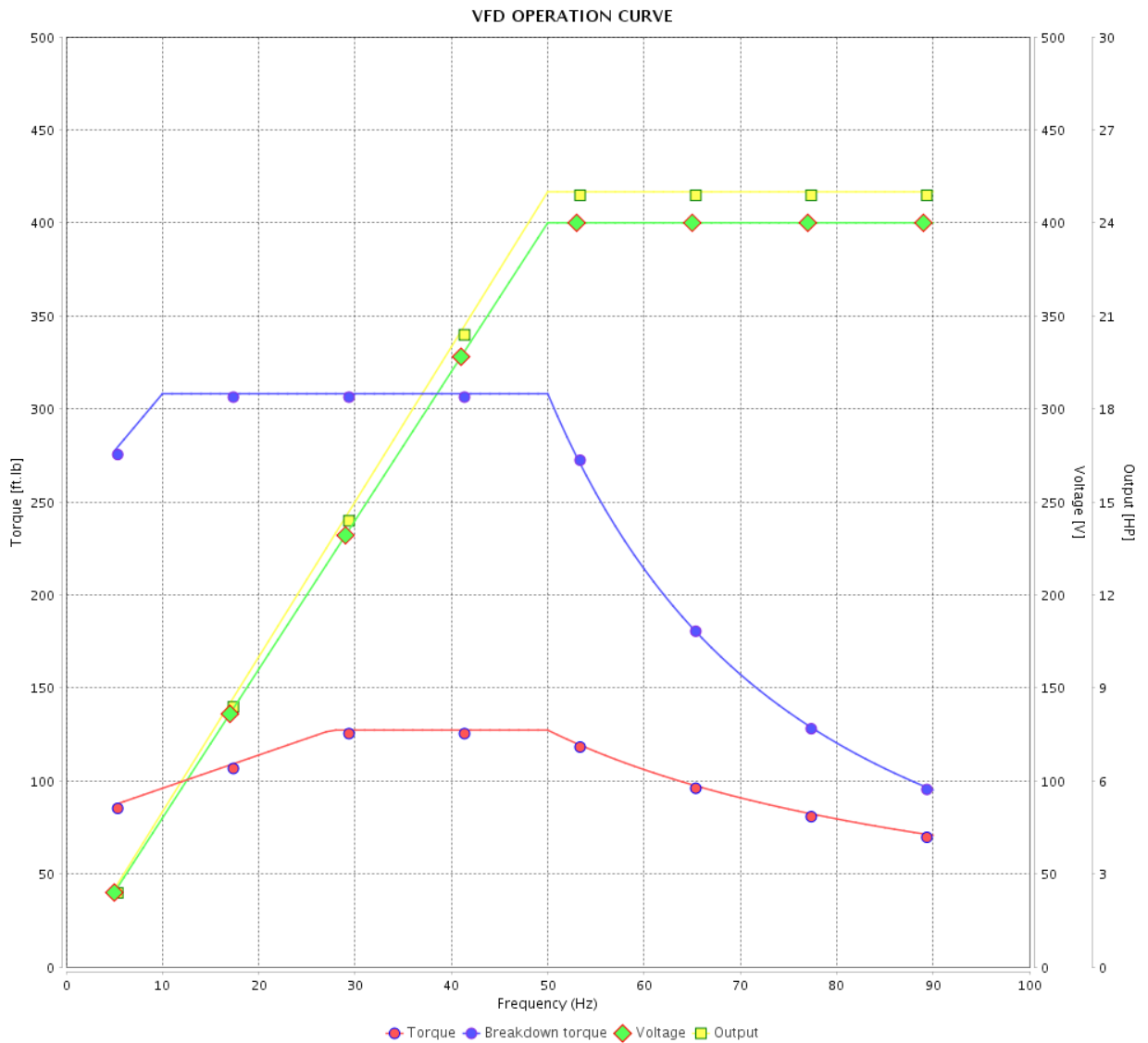


Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G



Performance : 400 V 50 Hz 6P IE3

Rated current : 35.1 A  
 LRC : 5.4  
 Rated torque : 134 ft.lb  
 Locked rotor torque : 180 %  
 Breakdown torque : 229 %  
 Rated speed : 980 rpm

Moment of inertia (J) : 11.5 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



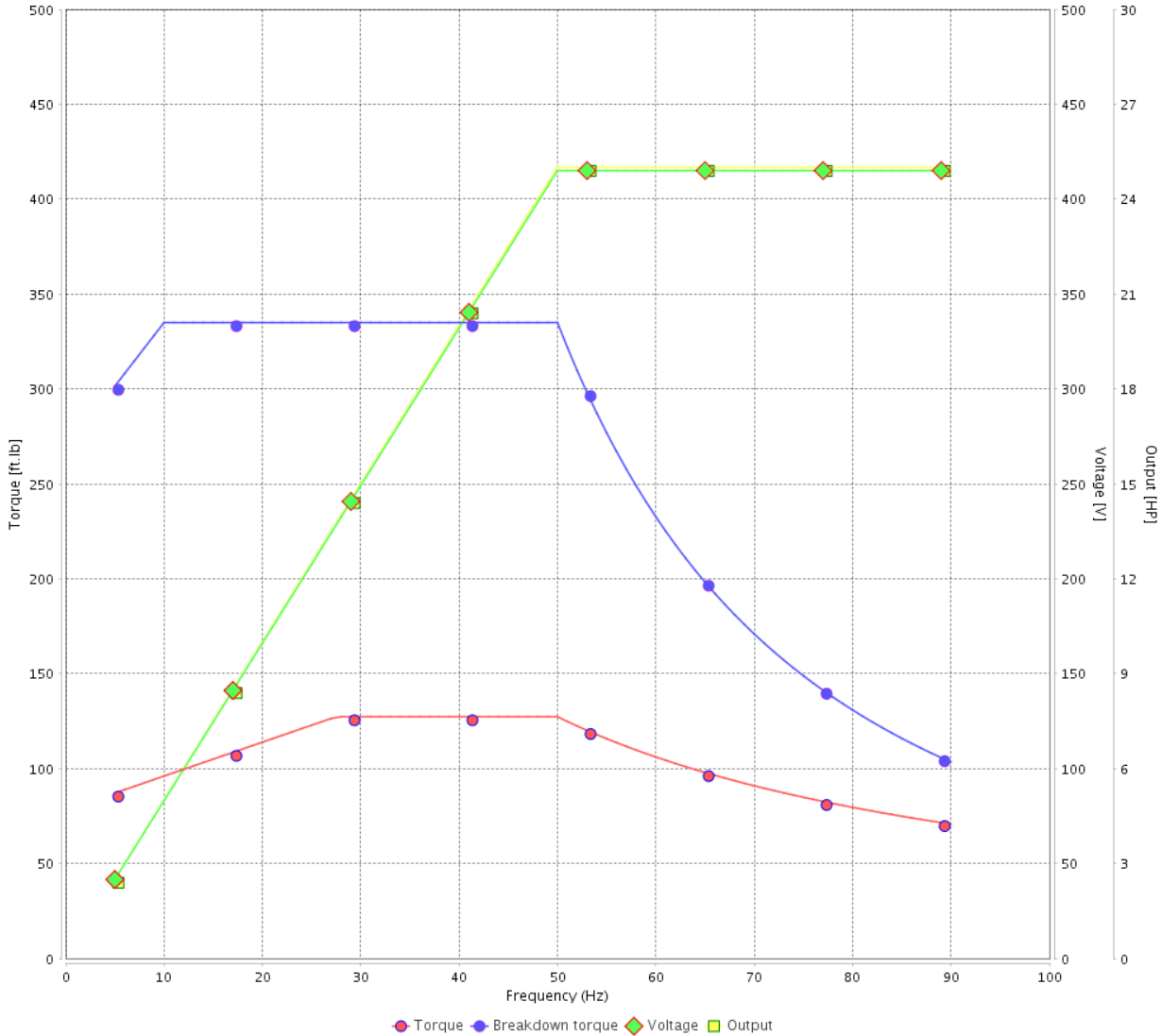
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12769895

Catalog # : 02512ET3E324T-W22G

VFD OPERATION CURVE



Performance : 415 V 50 Hz 6P IE3

Rated current : 34.2 A  
 LRC : 5.8  
 Rated torque : 134 ft.lb  
 Locked rotor torque : 200 %  
 Breakdown torque : 250 %  
 Rated speed : 980 rpm

Moment of inertia (J) : 11.5 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

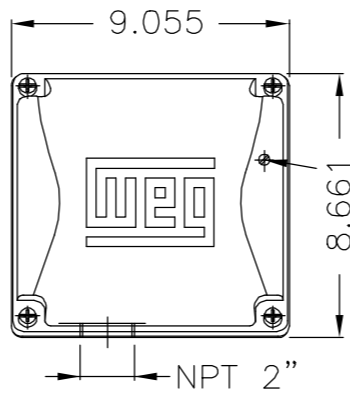
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Date	13/04/2022			

EIXO/SHAFT	
PADRÃO/STANDARD	X
OPCIONAL/OPTIONAL	
ESPECIAL/SPECIAL	

Dimensões em polegadas  
Dimensions in inches

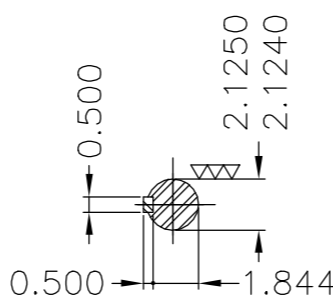
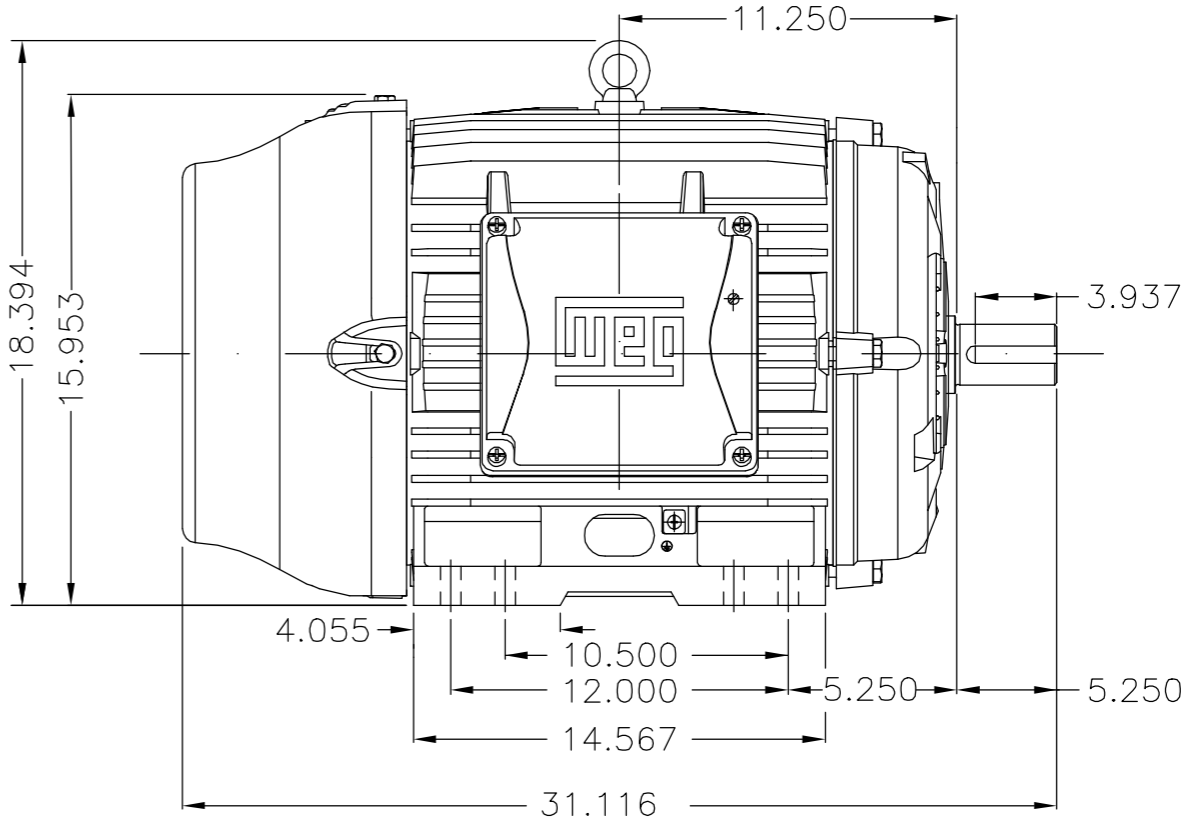
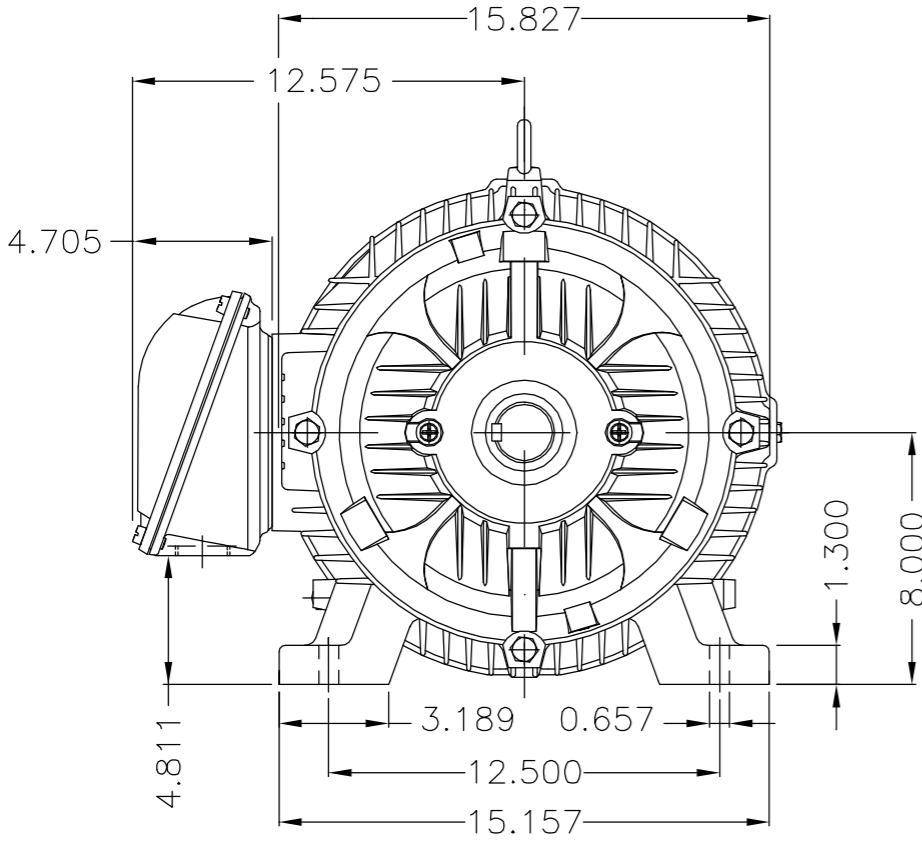
**CERTIFIED WEG MOTORES**  
Certified document.  
Not subject to changes.

THIS IS AN UPDATED REVISION, THE PREVIOUS ONE MUST BE DISREGARDED.



Main terminal box

Grounding for leads 5.2-35mm<sup>2</sup>



DE Shaft End

- Anel interno especial de fixação do rolamento dianteiro / Special internal fastening bearing cap of DE bearing
- Kit porta escova de aterramento AEGIS SGR-70.4-3MFH / Brush holder kit AEGIS SGR-70.4-3MFH
- Plano de pintura 203A / Painting plan 203A
- Forma construtiva NEMA F-1 / Mounting NEMA F-1
- Forma construtiva B3D / Mounting B3R(D)

**WEG ELECTRIC CORPORATION - WEC**

500001555542		ALT. CONFORME CLAIM 415202866	RBOECK	ALISSON	ALISSON	08.02.2019	03
500001037256		REMOVIDO REPRESENTAÇÃO ATERR	ALESOMZ	ODORIZZI	ODORIZZI	18.07.2015	02
ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	SCARMAGNANI	THREE PHASE W22 MOTOR - NEMA PREMIUM EFF FRAME 324/6T IP55	10002805106				
CHECKED	DAYANAR		000	03			
RELEASED	DAYANAR						
REL DT	09.04.2014	WMO	JARAGUA DO SUL	ENGENHARIA DE PRODUTO	SHEET	1 / 1	

30 HP	06 Poles	60Hz	413384807/0	MEC	B
25 HP	06 Poles	60Hz	413384805/0	MEC	A

UNCONTROLLED COPY

RELEASED

ZME A3



Mod.TE1BFOXON  
CC029A

MODEL 02512ET3E324T-W22G

Inverter Duty Motor  
Severe Duty

60Hz: For use on PWM: VT 1000:1,  
CT 20:1, 1.00SF

MADE IN BRAZIL  
12769895

PH3 60Hz Fr. 324/6T 1000m.a.s.l. IP55 TEFC 545lb

V 230/460 A 61.6/30.8

HP 25 kW 18.5

SF 1.25 SFA 77.0/38.5

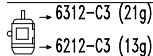
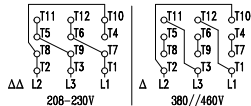
RPM 1180 PF 0.81

AMB 40°C INS cl. F DT80K NEMA NOM EFF 93.0%

DUTY CONT. DES B Code G

USABLE @208V 67.2A SF 1.15 SFA 77.3

25HP 18.5kW 50Hz 380V 36.8A 975RPM SF 1.00 EFF 91.0% (IE2)



MOBIL POLYREX EM (20000h)

