

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

| | | | | | | | | |
|--|-----------------|---------------------------------------|-----------------|--|----------------------------|---------------------|--------------|------|
| Customer | | | | | | | | |
| Product line | | : NEMA Premium Efficiency Three-Phase | | Product code : | | 11356014 | | |
| | | | | Catalog # : | | 06036ET3G364TS-W22 | | |
| Frame | | : 364/5TS | | 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 | | : 852 lb | | |
| Protection degree | | : IP55 | | Moment of inertia (J) | | : 10.6 sq.ft.lb | | |
| Design | | : B | | | | | | |
| Output [HP] | 60 | 50 | 50 | 50 | 60 | 60 | 60 | |
| Poles | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Frequency [Hz] | 60 | 50 | 50 | 50 | 50 | 50 | 50 | |
| Rated voltage [V] | 460 | 380 | 400 | 415 | 380 | 400 | 415 | |
| Rated current [A] | 67.0 | 65.9 | 63.3 | 61.7 | 81.3 | 77.6 | 74.8 | |
| L. R. Amperes [A] | 442 | 415 | 443 | 457 | 423 | 450 | 464 | |
| LRC [A] | 6.6x(Code G) | 6.3x(Code F) | 7.0x(Code G) | 7.4x(Code H) | 5.2x(Code E) | 5.8x(Code F) | 6.2x(Code F) | |
| No load current [A] | 15.0 | 15.0 | 16.2 | 17.4 | 15.0 | 16.2 | 17.4 | |
| Rated speed [RPM] | 3560 | 2955 | 2960 | 2965 | 2945 | 2950 | 2955 | |
| Slip [%] | 1.11 | 1.50 | 1.33 | 1.17 | 1.83 | 1.67 | 1.50 | |
| Rated torque [ft.lb] | 88.5 | 88.9 | 88.7 | 88.6 | 107 | 107 | 107 | |
| Locked rotor torque [%] | 200 | 190 | 220 | 229 | 160 | 180 | 190 | |
| Breakdown torque [%] | 260 | 250 | 280 | 300 | 210 | 229 | 250 | |
| 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 | 105 K | 105 K | 105 K | |
| Locked rotor time | 25s (cold) | 21s (cold) | 21s (cold) | 21s (cold) | 21s (cold) | 21s (cold) | 21s (cold) | |
| | 14s (hot) | 12s (hot) | 12s (hot) | 12s (hot) | 12s (hot) | 12s (hot) | 12s (hot) | |
| Noise level ² | 79.0 dB(A) | 74.0 dB(A) | 74.0 dB(A) | 74.0 dB(A) | 74.0 dB(A) | 74.0 dB(A) | 74.0 dB(A) | |
| Efficiency (%) | 25% | 91.0 | 91.1 | 90.7 | 90.7 | 92.7 | 92.2 | 92.2 |
| | 50% | 91.7 | 92.1 | 91.7 | 91.6 | 92.4 | 92.4 | 92.4 |
| | 75% | 93.0 | 92.8 | 92.8 | 92.9 | 93.0 | 93.0 | 93.0 |
| | 100% | 93.6 | 93.7 | 93.7 | 93.7 | 92.4 | 93.0 | 93.0 |
| Power Factor | 25% | 0.60 | 0.60 | 0.57 | 0.53 | 0.65 | 0.62 | 0.59 |
| | 50% | 0.81 | 0.81 | 0.79 | 0.76 | 0.85 | 0.83 | 0.81 |
| | 75% | 0.88 | 0.88 | 0.87 | 0.85 | 0.90 | 0.89 | 0.88 |
| | 100% | 0.90 | 0.91 | 0.90 | 0.89 | 0.91 | 0.90 | 0.90 |
| Bearing type | : Drive end | | : Non drive end | | Foundation loads | | | |
| | : 6314 C3 | | : 6314 C3 | | Max. traction : 486 lb | | | |
| | : WSeal | | : WSeal | | Max. compression : 1338 lb | | | |
| | : 4000 h | | : 4000 h | | | | | |
| | : 27 g | | : 27 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. | | | | |
| Rev. | Changes Summary | | | Performed | Checked | Date | | |
| Performed by | | | | | | | | |
| Checked by | | | | | Page | Revision | | |
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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



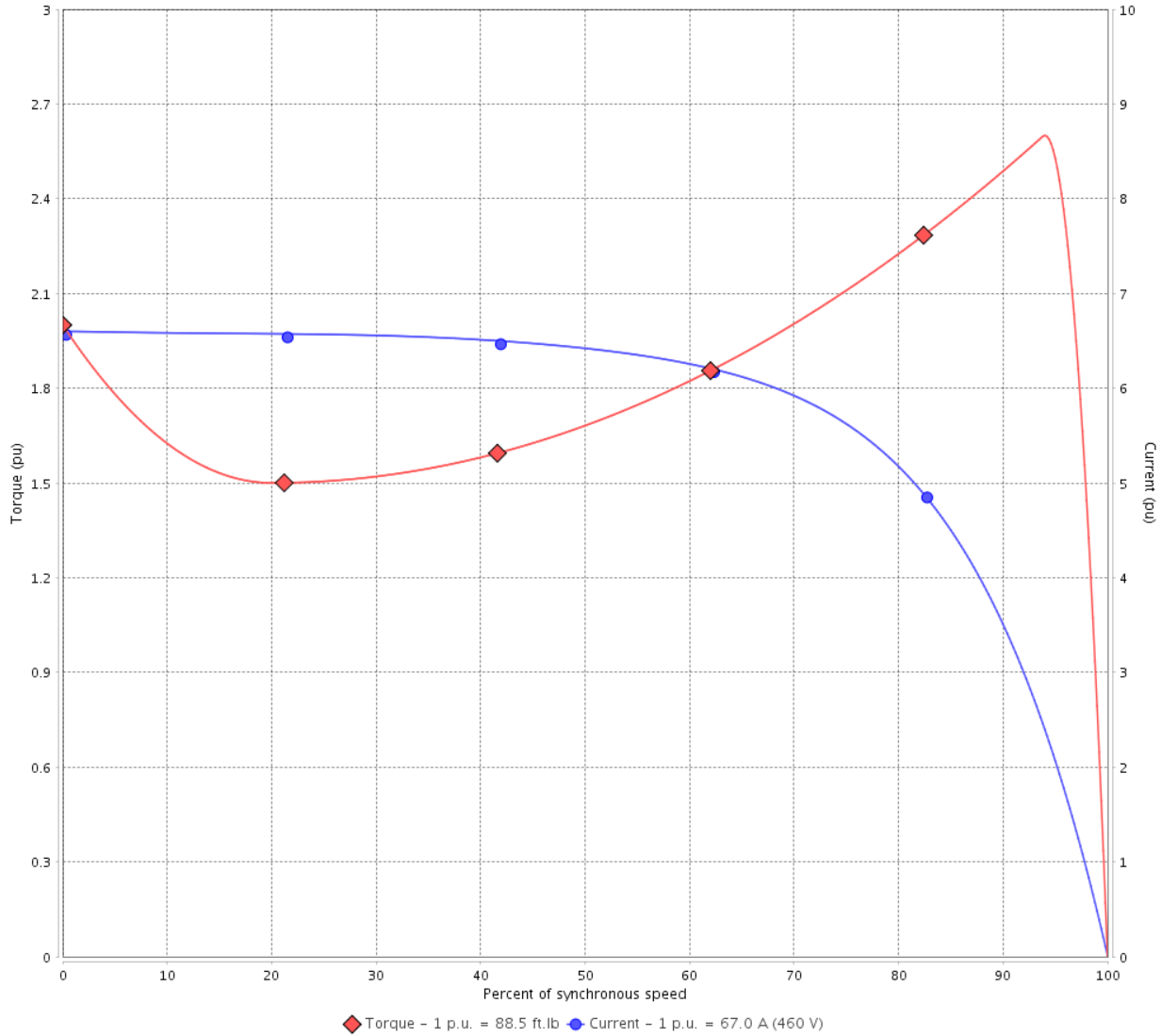
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 460 V 60 Hz 2P

| | | | |
|---------------------|--------------|-----------------------|-----------------|
| Rated current | : 67.0 A | Moment of inertia (J) | : 10.6 sq.ft.lb |
| LRC | : 6.6 | Duty cycle | : Cont.(S1) |
| Rated torque | : 88.5 ft.lb | Insulation class | : F |
| Locked rotor torque | : 200 % | Service factor | : 1.25 |
| Breakdown torque | : 260 % | Temperature rise | : 80 K |
| Rated speed | : 3560 rpm | Design | : B |

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

| Rev. | Changes Summary | Performed | Checked | Date |
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TORQUE AND CURRENT VS SPEED CURVE



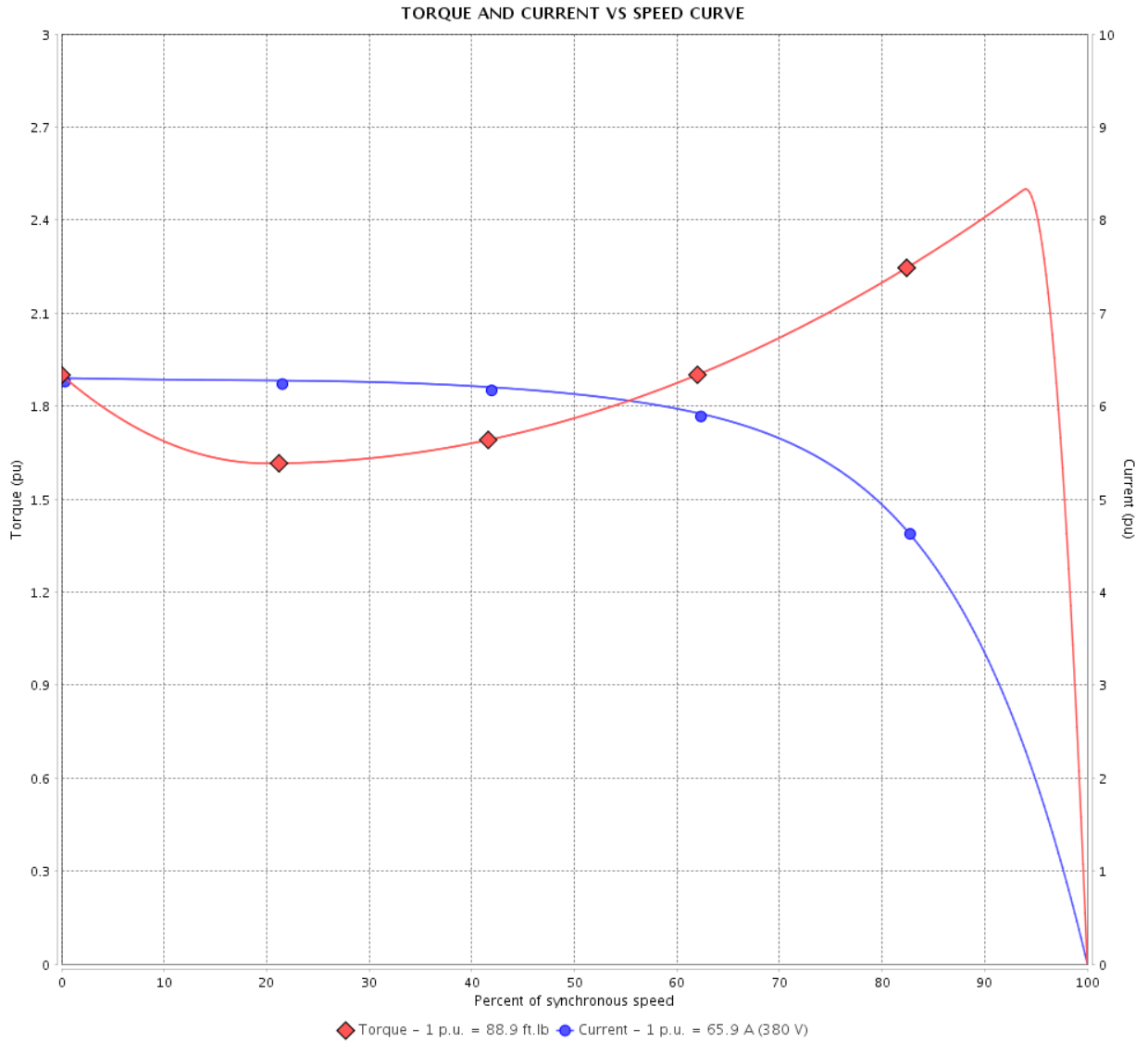
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22



Performance : 380 V 50 Hz 2P IE3

Rated current : 65.9 A
 LRC : 6.3
 Rated torque : 88.9 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 2955 rpm

Moment of inertia (J) : 10.6 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : B

Locked rotor time : 21s (cold) 12s (hot)

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Three Phase Induction Motor - Squirrel Cage



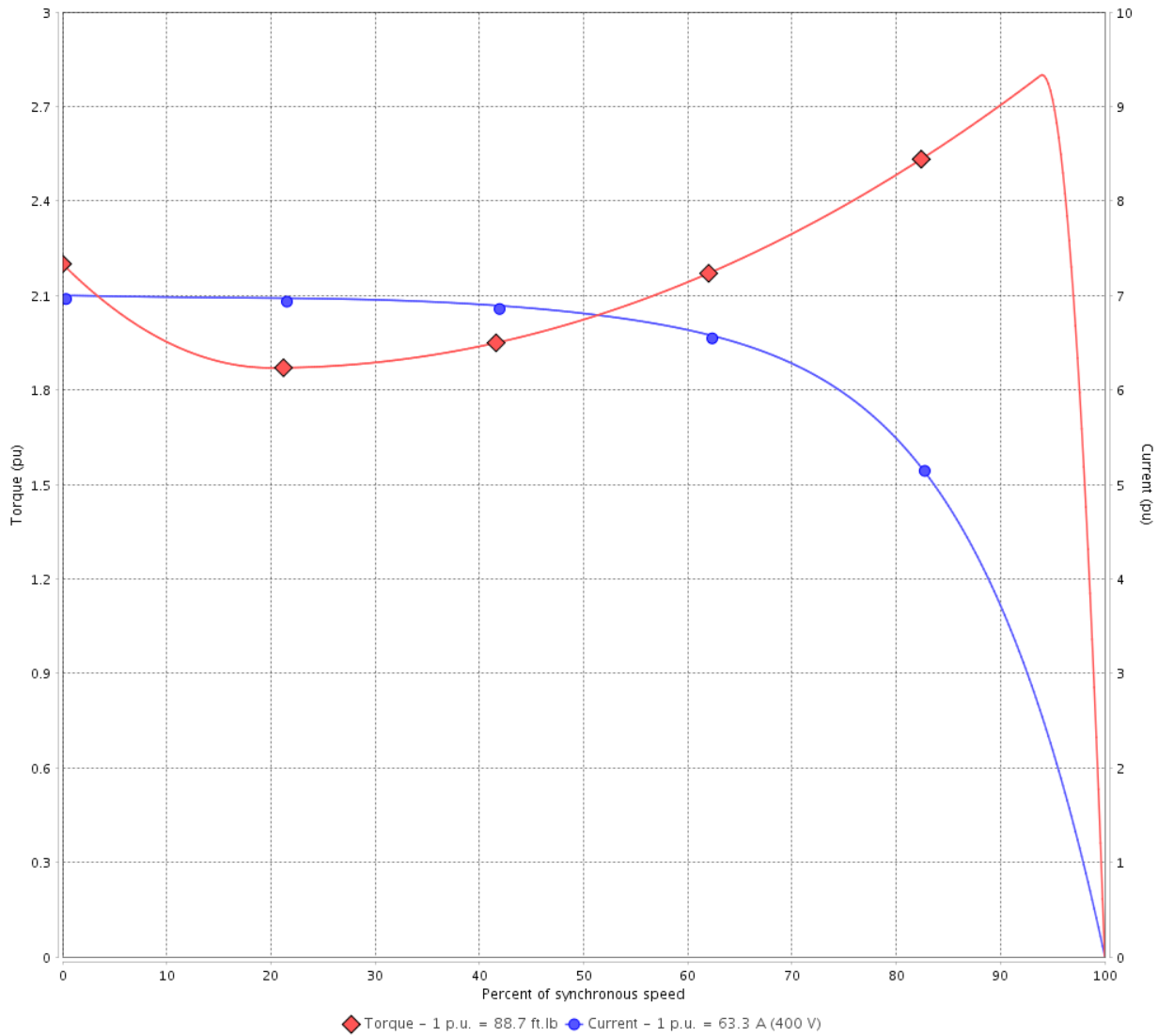
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Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 400 V 50 Hz 2P IE3

| | | | |
|---------------------|--------------|-----------------------|-----------------|
| Rated current | : 63.3 A | Moment of inertia (J) | : 10.6 sq.ft.lb |
| LRC | : 7.0 | Duty cycle | : Cont.(S1) |
| Rated torque | : 88.7 ft.lb | Insulation class | : F |
| Locked rotor torque | : 220 % | Service factor | : 1.00 |
| Breakdown torque | : 280 % | Temperature rise | : 80 K |
| Rated speed | : 2960 rpm | Design | : B |

Locked rotor time : 21s (cold) 12s (hot)

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TORQUE AND CURRENT VS SPEED CURVE



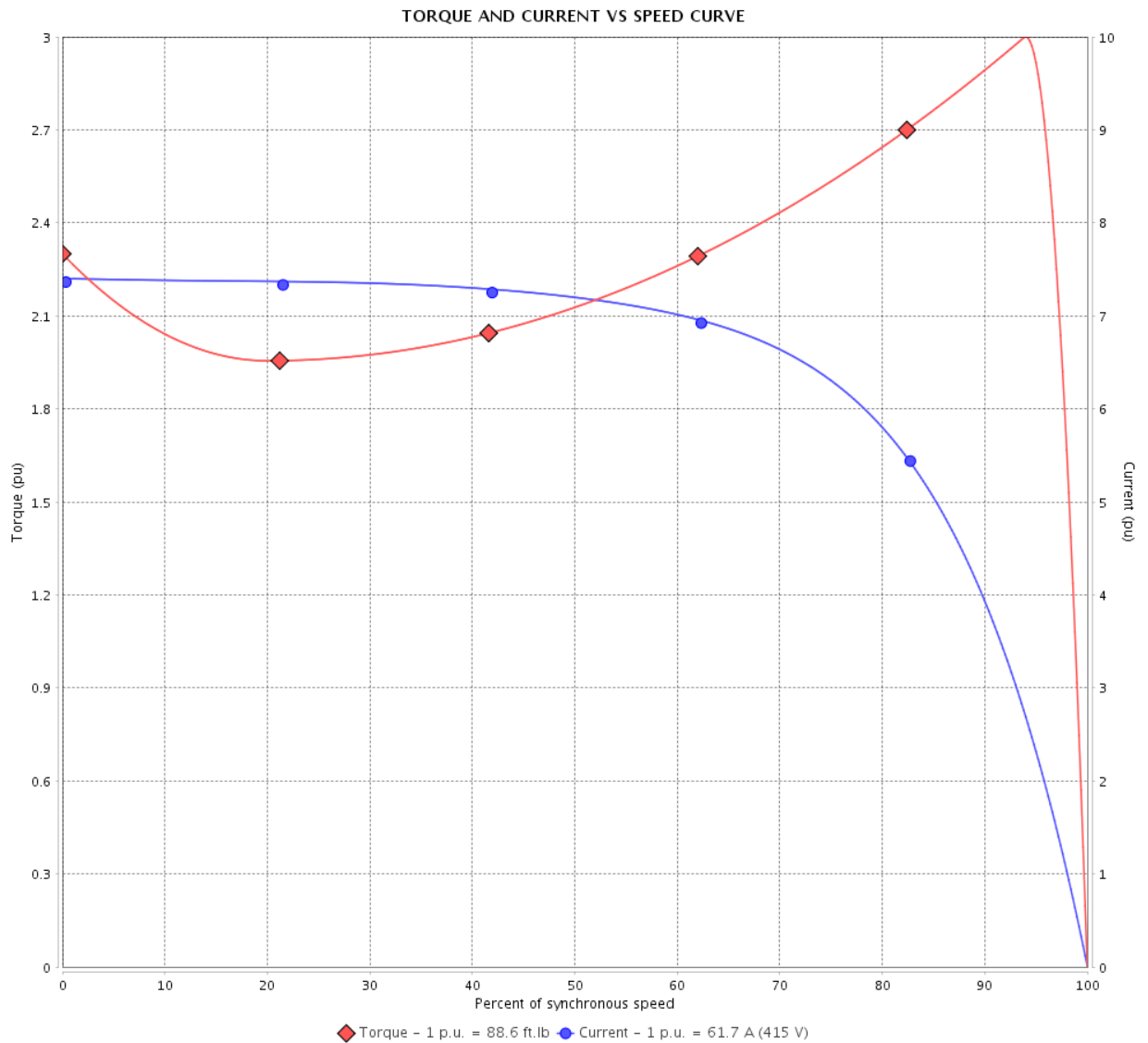
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|---------------------|--------------|-----------------------|-----------------|
| Rated current | : 61.7 A | Moment of inertia (J) | : 10.6 sq.ft.lb |
| LRC | : 7.4 | Duty cycle | : Cont.(S1) |
| Rated torque | : 88.6 ft.lb | Insulation class | : F |
| Locked rotor torque | : 229 % | Service factor | : 1.00 |
| Breakdown torque | : 300 % | Temperature rise | : 80 K |
| Rated speed | : 2965 rpm | Design | : B |

Locked rotor time : 21s (cold) 12s (hot)

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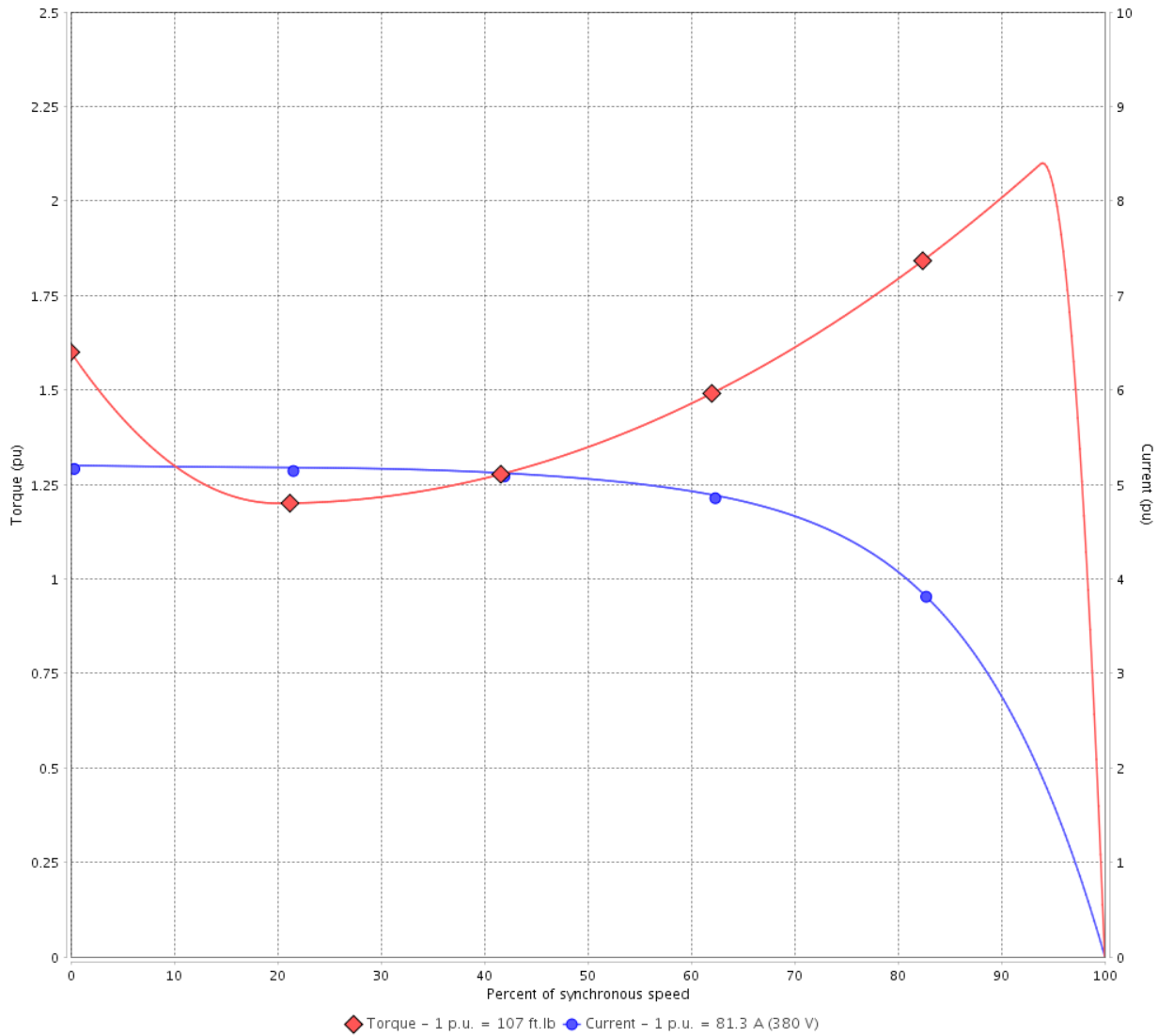
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Catalog # : 06036ET3G364TS-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 380 V 50 Hz 2P IE1

| | | | |
|---------------------|-------------|-----------------------|-----------------|
| Rated current | : 81.3 A | Moment of inertia (J) | : 10.6 sq.ft.lb |
| LRC | : 5.2 | Duty cycle | : Cont.(S1) |
| Rated torque | : 107 ft.lb | Insulation class | : F |
| Locked rotor torque | : 160 % | Service factor | : 1.00 |
| Breakdown torque | : 210 % | Temperature rise | : 105 K |
| Rated speed | : 2945 rpm | Design | : B |

Locked rotor time : 21s (cold) 12s (hot)

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TORQUE AND CURRENT VS SPEED CURVE



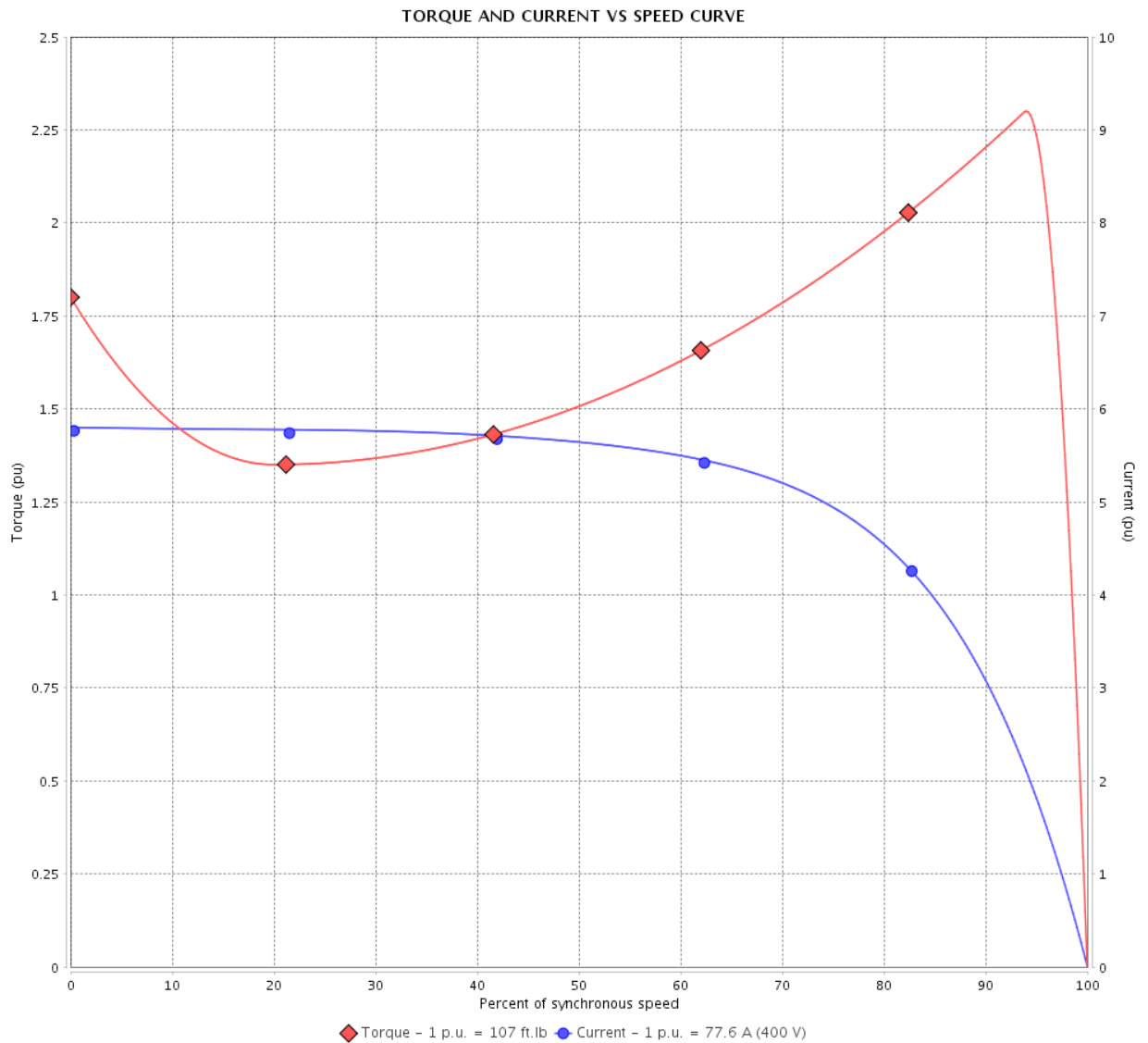
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22



Performance : 400 V 50 Hz 2P IE2

| | | | |
|---------------------|-------------|-----------------------|-----------------|
| Rated current | : 77.6 A | Moment of inertia (J) | : 10.6 sq.ft.lb |
| LRC | : 5.8 | Duty cycle | : Cont.(S1) |
| Rated torque | : 107 ft.lb | Insulation class | : F |
| Locked rotor torque | : 180 % | Service factor | : 1.00 |
| Breakdown torque | : 229 % | Temperature rise | : 105 K |
| Rated speed | : 2950 rpm | Design | : B |

Locked rotor time : 21s (cold) 12s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



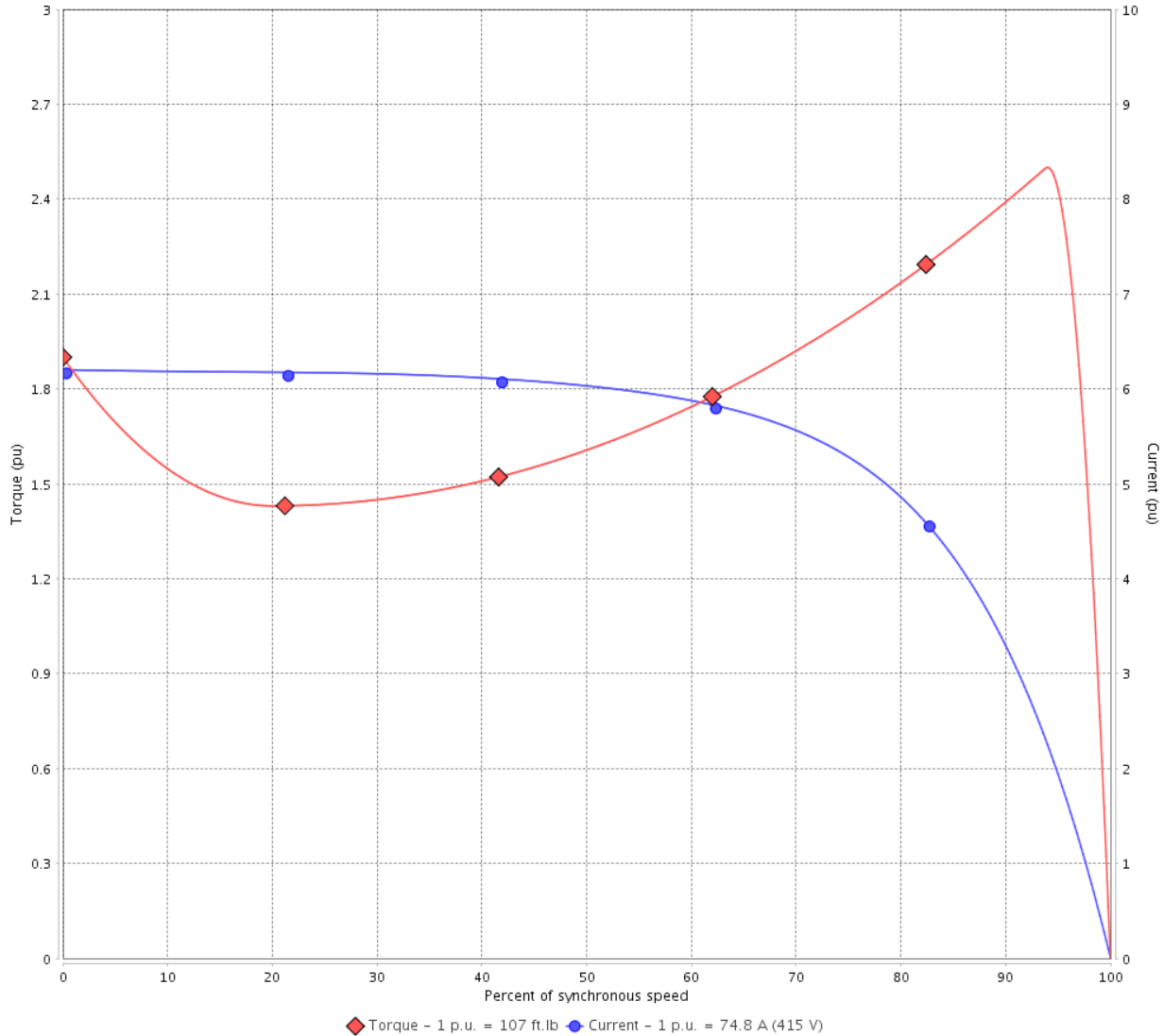
Customer :

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TORQUE AND CURRENT VS SPEED CURVE



Performance : 415 V 50 Hz 2P IE2

| | | | |
|---------------------|-------------|-----------------------|-----------------|
| Rated current | : 74.8 A | Moment of inertia (J) | : 10.6 sq.ft.lb |
| LRC | : 6.2 | Duty cycle | : Cont.(S1) |
| Rated torque | : 107 ft.lb | Insulation class | : F |
| Locked rotor torque | : 190 % | Service factor | : 1.00 |
| Breakdown torque | : 250 % | Temperature rise | : 105 K |
| Rated speed | : 2955 rpm | Design | : B |

Locked rotor time : 21s (cold) 12s (hot)

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LOAD PERFORMANCE CURVE

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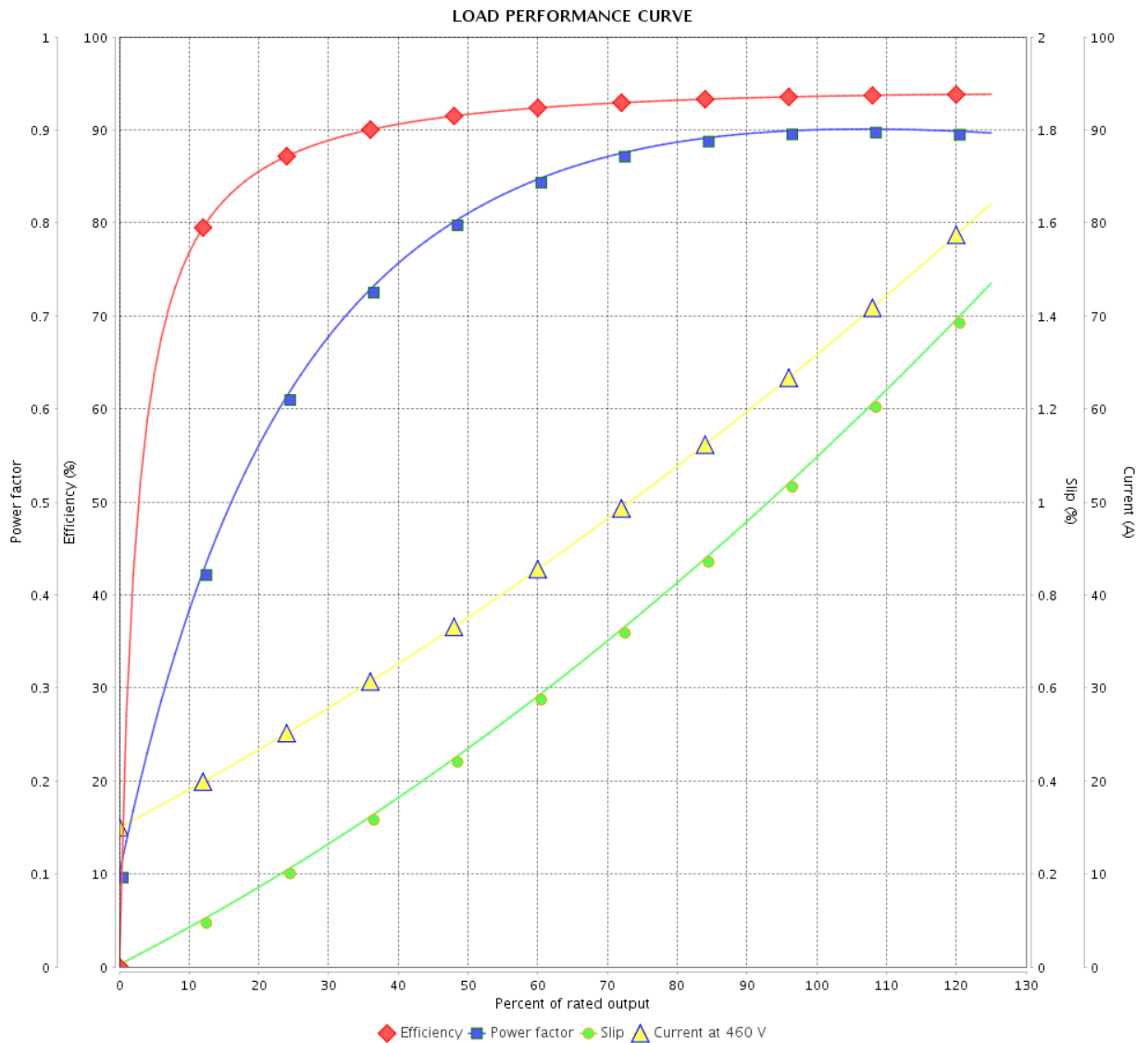


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22



Performance : 460 V 60 Hz 2P

Rated current : 67.0 A
 LRC : 6.6
 Rated torque : 88.5 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 260 %
 Rated speed : 3560 rpm

Moment of inertia (J) : 10.6 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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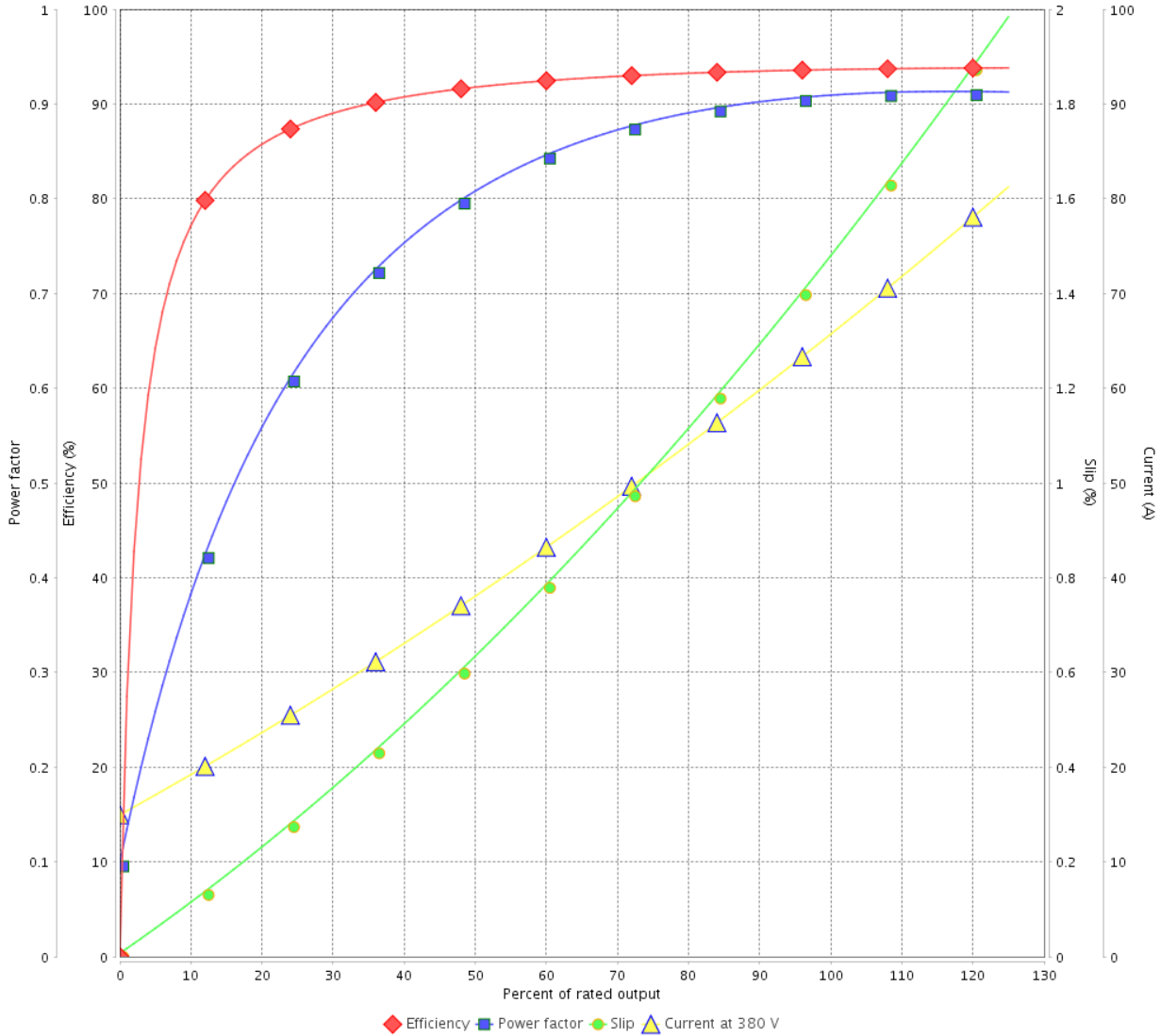
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22

LOAD PERFORMANCE CURVE



Performance : 380 V 50 Hz 2P IE3

Rated current : 65.9 A
 LRC : 6.3
 Rated torque : 88.9 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 2955 rpm

Moment of inertia (J) : 10.6 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

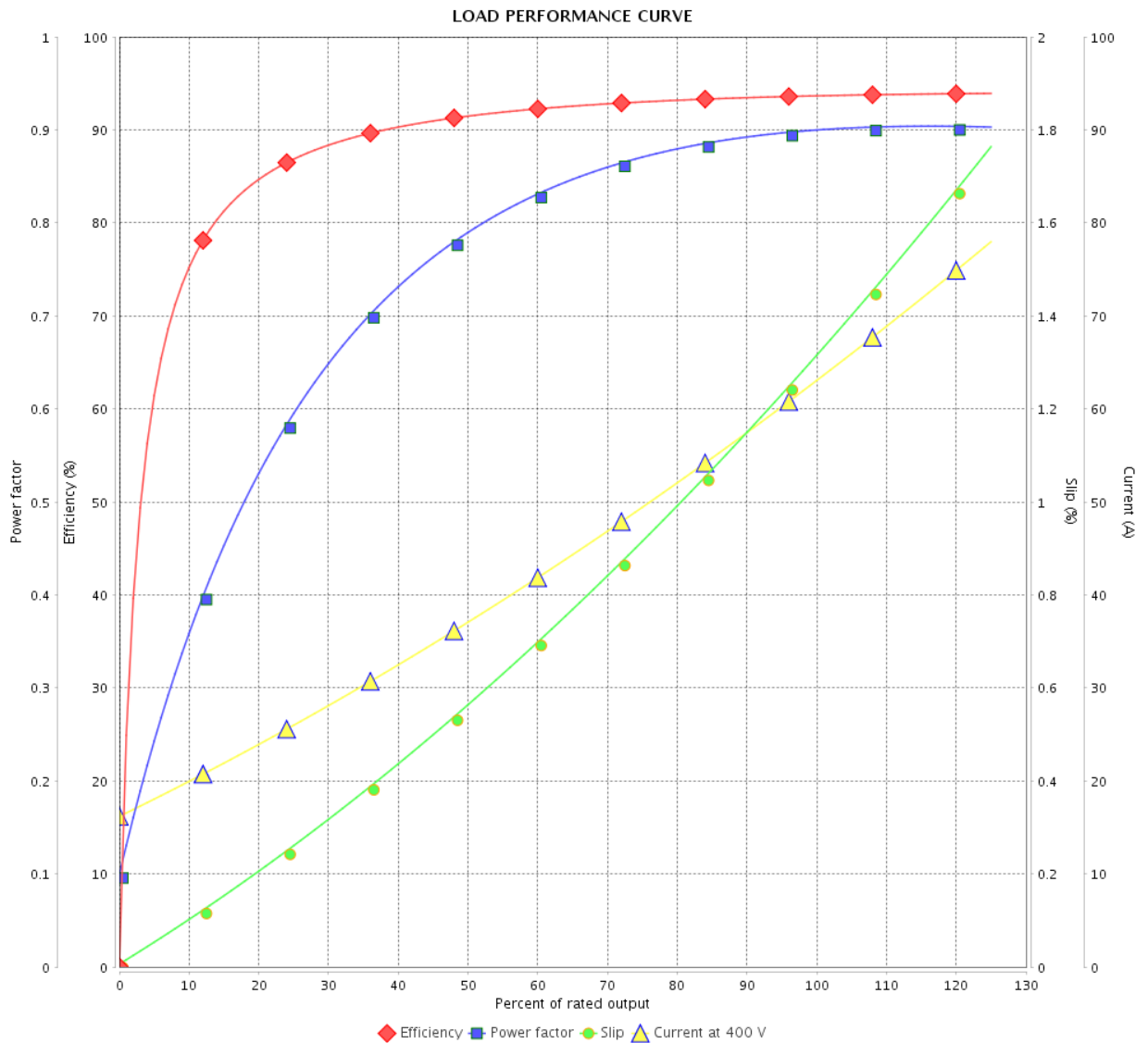


Customer : _____

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Product code : 11356014

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Performance : 400 V 50 Hz 2P IE3

Rated current : 63.3 A
 LRC : 7.0
 Rated torque : 88.7 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 280 %
 Rated speed : 2960 rpm

Moment of inertia (J) : 10.6 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



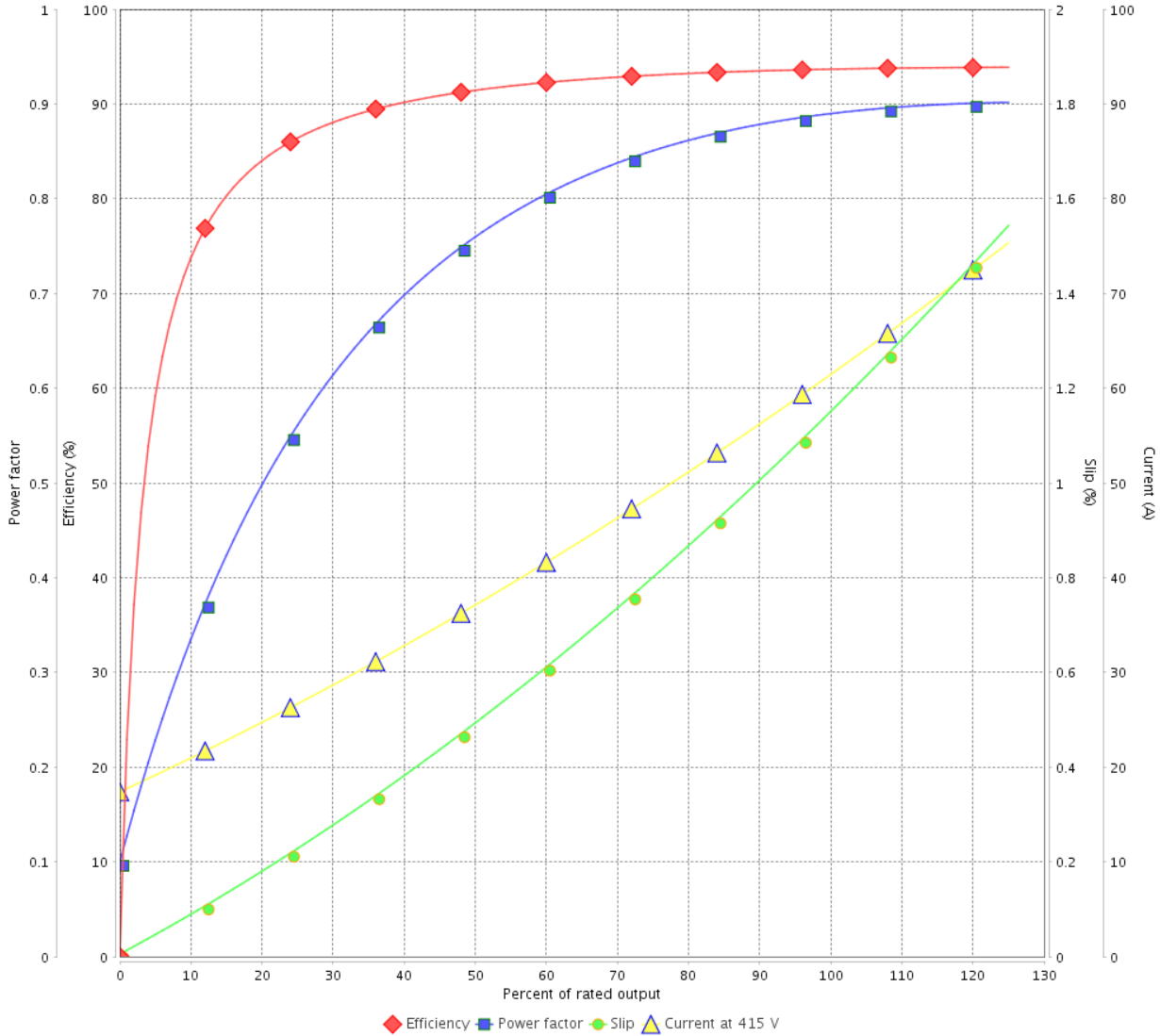
Customer :

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Product code : 11356014

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LOAD PERFORMANCE CURVE



Performance : 415 V 50 Hz 2P IE3

Rated current : 61.7 A
 LRC : 7.4
 Rated torque : 88.6 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 2965 rpm

Moment of inertia (J) : 10.6 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

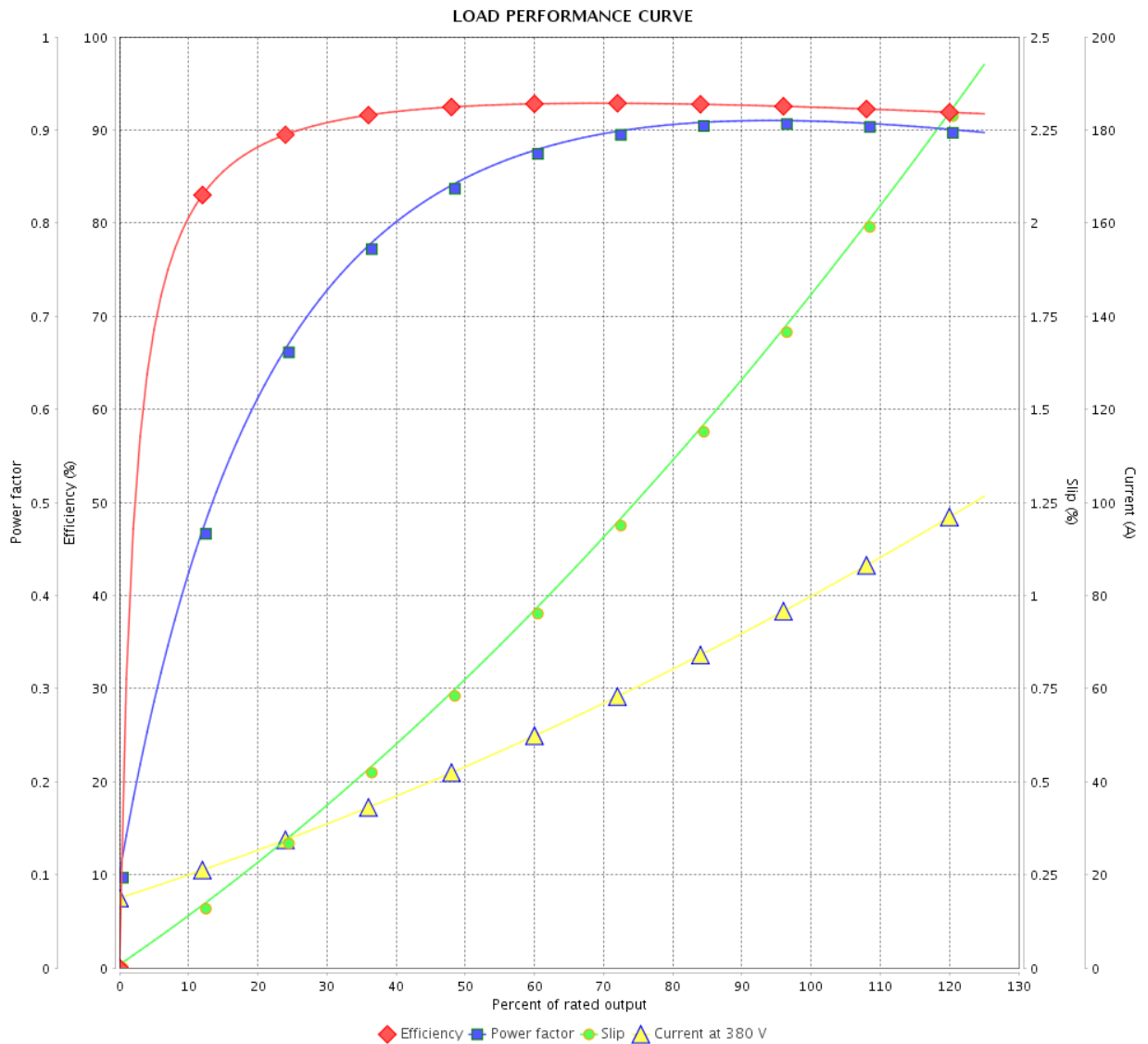


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Performance : 380 V 50 Hz 2P IE1

Rated current : 81.3 A
 LRC : 5.2
 Rated torque : 107 ft.lb
 Locked rotor torque : 160 %
 Breakdown torque : 210 %
 Rated speed : 2945 rpm

Moment of inertia (J) : 10.6 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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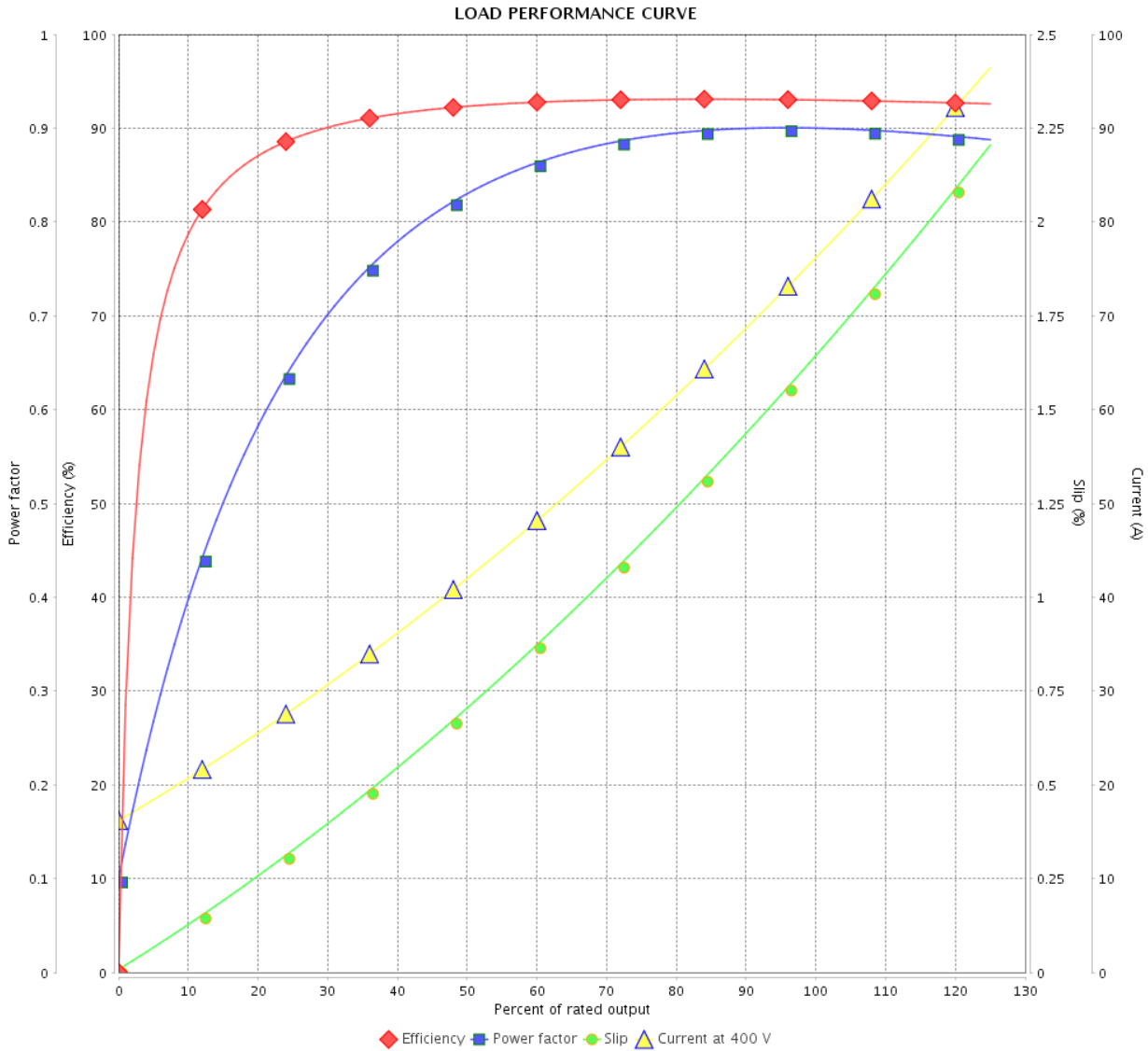


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Performance : 400 V 50 Hz 2P IE2

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|---------------------|-------------|-----------------------|-----------------|
| Rated current | : 77.6 A | Moment of inertia (J) | : 10.6 sq.ft.lb |
| LRC | : 5.8 | Duty cycle | : Cont.(S1) |
| Rated torque | : 107 ft.lb | Insulation class | : F |
| Locked rotor torque | : 180 % | Service factor | : 1.00 |
| Breakdown torque | : 229 % | Temperature rise | : 105 K |
| Rated speed | : 2950 rpm | Design | : B |

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Three Phase Induction Motor - Squirrel Cage

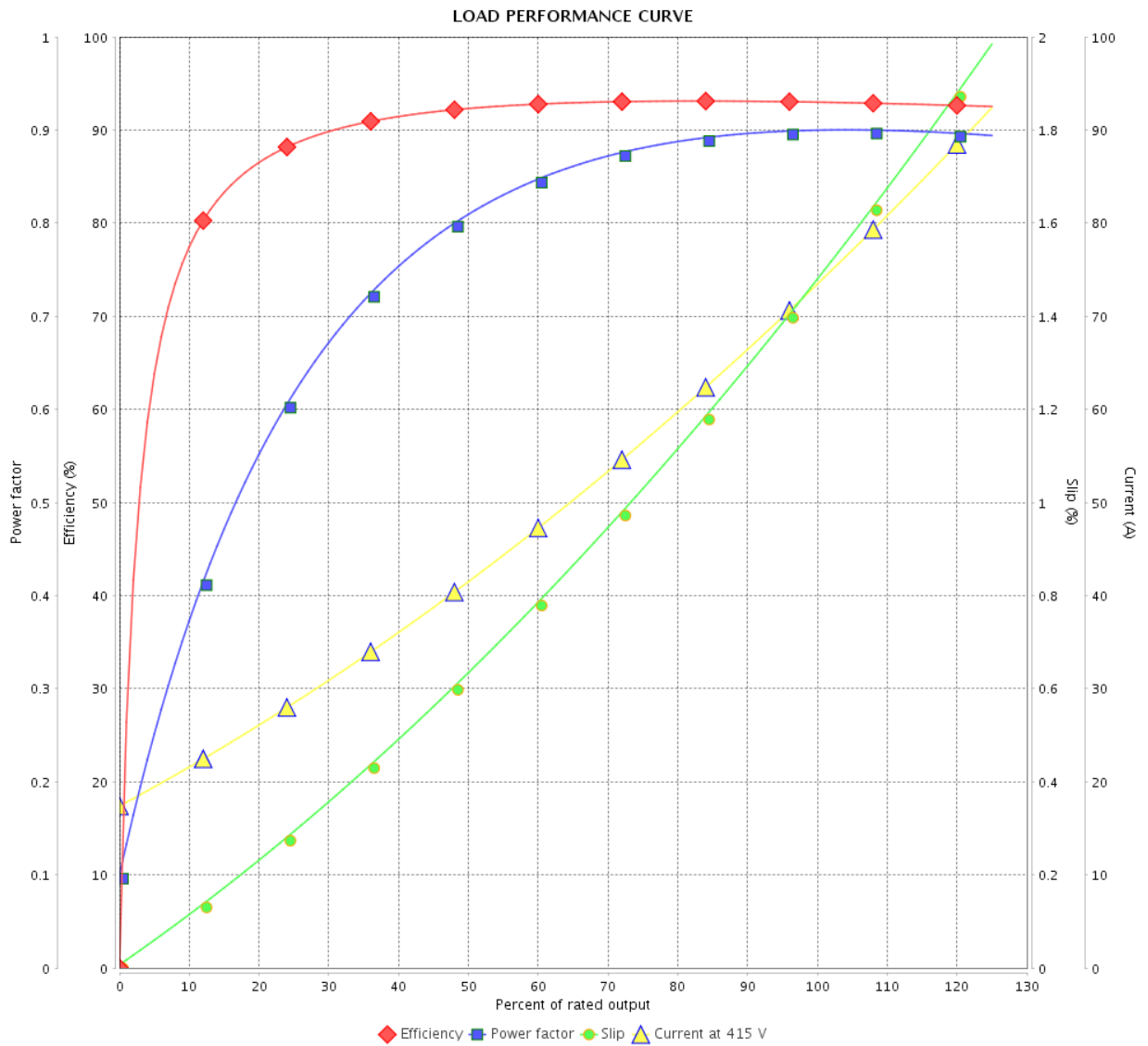


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Performance : 415 V 50 Hz 2P IE2

Rated current : 74.8 A
 LRC : 6.2
 Rated torque : 107 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 2955 rpm

Moment of inertia (J) : 10.6 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

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Performance : 460 V 60 Hz 2P

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| Rated torque | : 88.5 ft.lb | Insulation class | : F |
| Locked rotor torque | : 200 % | Service factor | : 1.25 |
| Breakdown torque | : 260 % | Temperature rise | : 80 K |
| Rated speed | : 3560 rpm | Design | : B |

Heating constant

Cooling constant

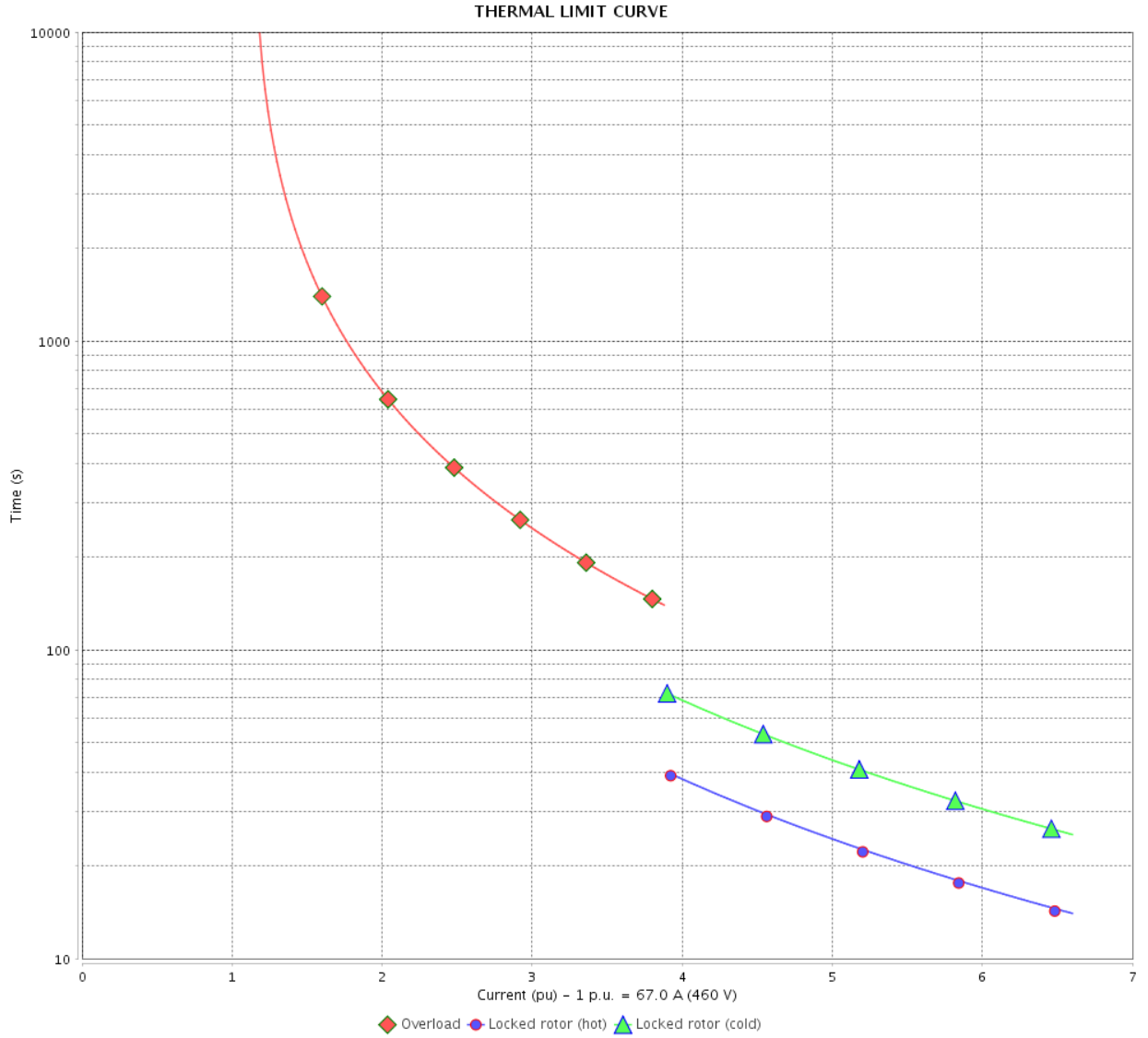
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Customer :

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Performance : 380 V 50 Hz 2P IE3

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| Locked rotor torque | : 190 % | Service factor | : 1.00 |
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Heating constant

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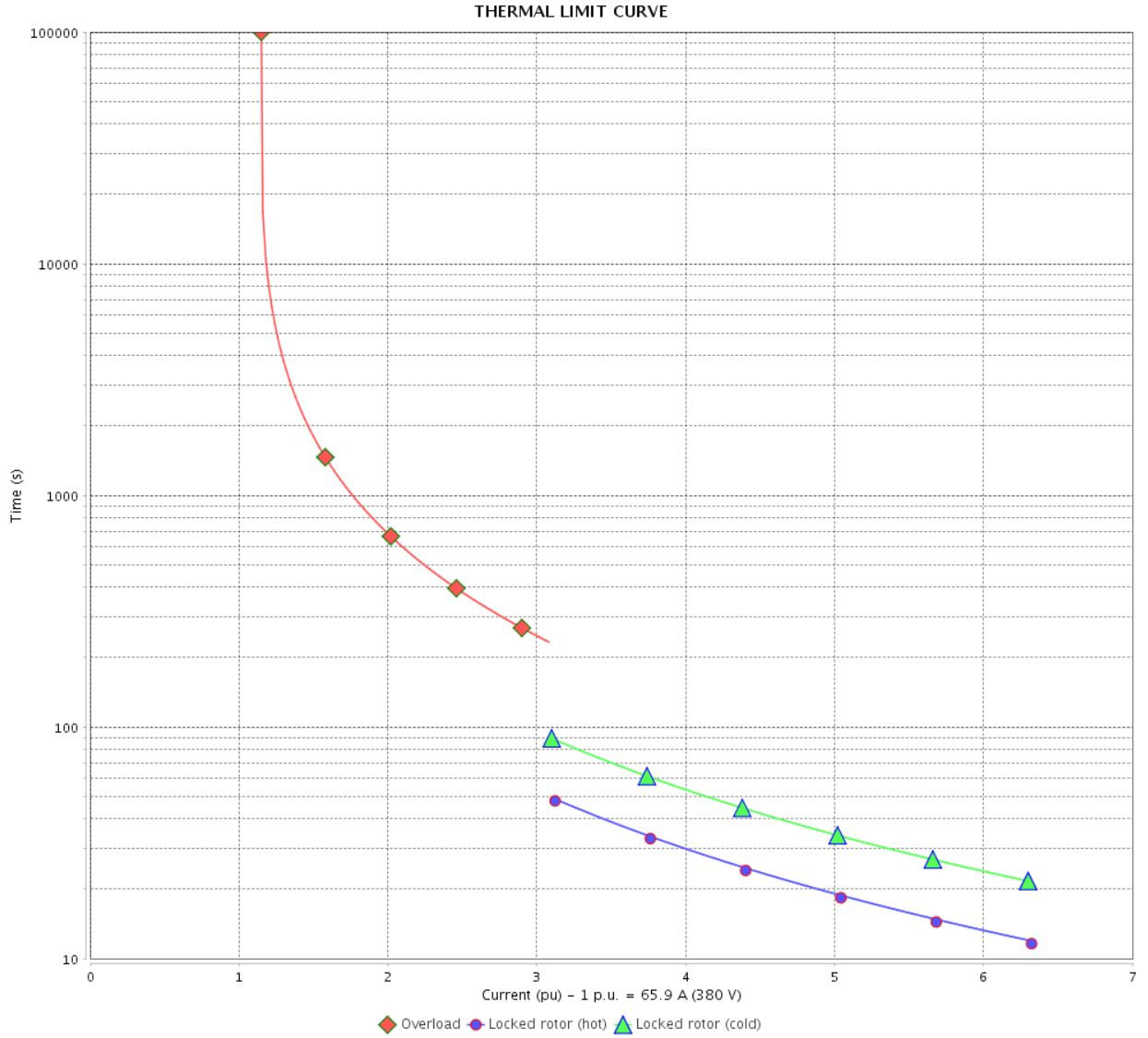
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Heating constant

Cooling constant

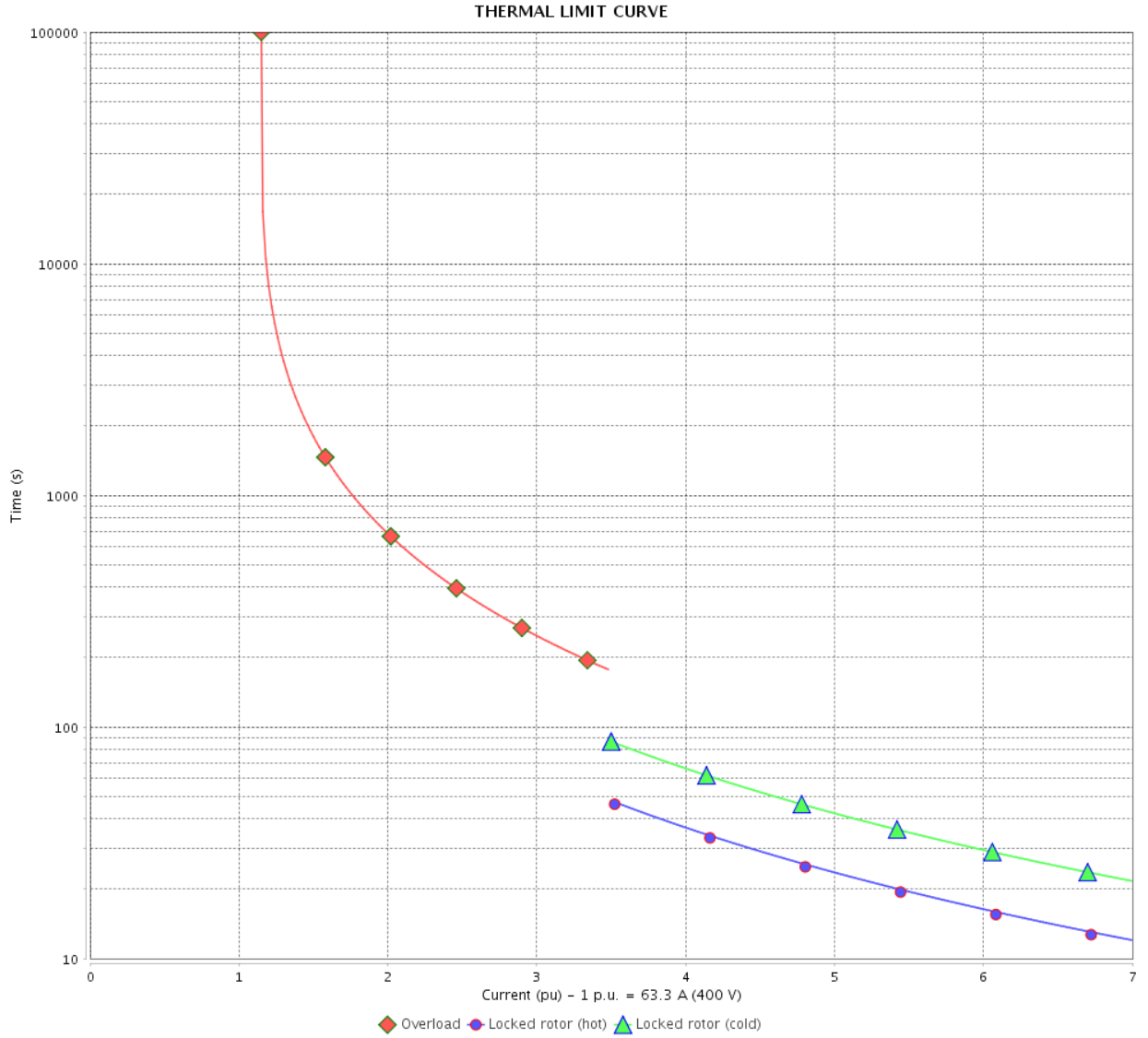
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|--------------|-----------------|-----------|---------|----------|
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 13/04/2022 | | 20 / 36 | |

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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|--------------|-----------------|------------|---------|----------|
| | | | | |
| Performed by | | Page | | Revision |
| Checked by | | 21 / 36 | | |
| Date | | 13/04/2022 | | |

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 11356014
Catalog # : 06036ET3G364TS-W22

Performance : 415 V 50 Hz 2P IE3

| | | | |
|---------------------|--------------|-----------------------|-----------------|
| Rated current | : 61.7 A | Moment of inertia (J) | : 10.6 sq.ft.lb |
| LRC | : 7.4 | Duty cycle | : Cont.(S1) |
| Rated torque | : 88.6 ft.lb | Insulation class | : F |
| Locked rotor torque | : 229 % | Service factor | : 1.00 |
| Breakdown torque | : 300 % | Temperature rise | : 80 K |
| Rated speed | : 2965 rpm | Design | : B |

Heating constant

Cooling constant

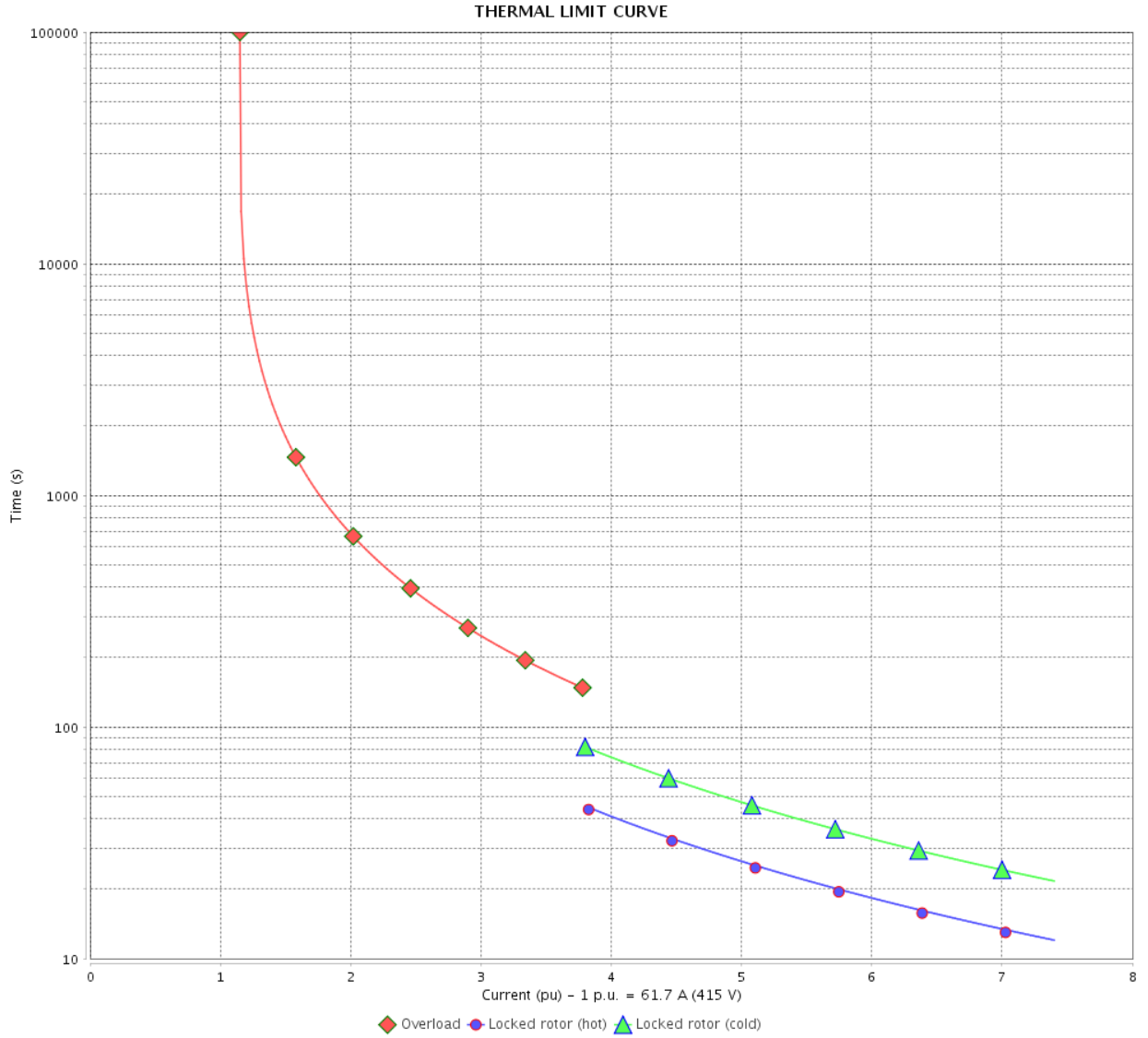
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| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 13/04/2022 | | 22 / 36 | |

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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|--------------|-----------------|-----------------|---------|----------|
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| Checked by | | | | |
| Date | | | | |

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 11356014
Catalog # : 06036ET3G364TS-W22

Performance : 380 V 50 Hz 2P IE1

| | | | |
|---------------------|-------------|-----------------------|-----------------|
| Rated current | : 81.3 A | Moment of inertia (J) | : 10.6 sq.ft.lb |
| LRC | : 5.2 | Duty cycle | : Cont.(S1) |
| Rated torque | : 107 ft.lb | Insulation class | : F |
| Locked rotor torque | : 160 % | Service factor | : 1.00 |
| Breakdown torque | : 210 % | Temperature rise | : 105 K |
| Rated speed | : 2945 rpm | Design | : B |

Heating constant

Cooling constant

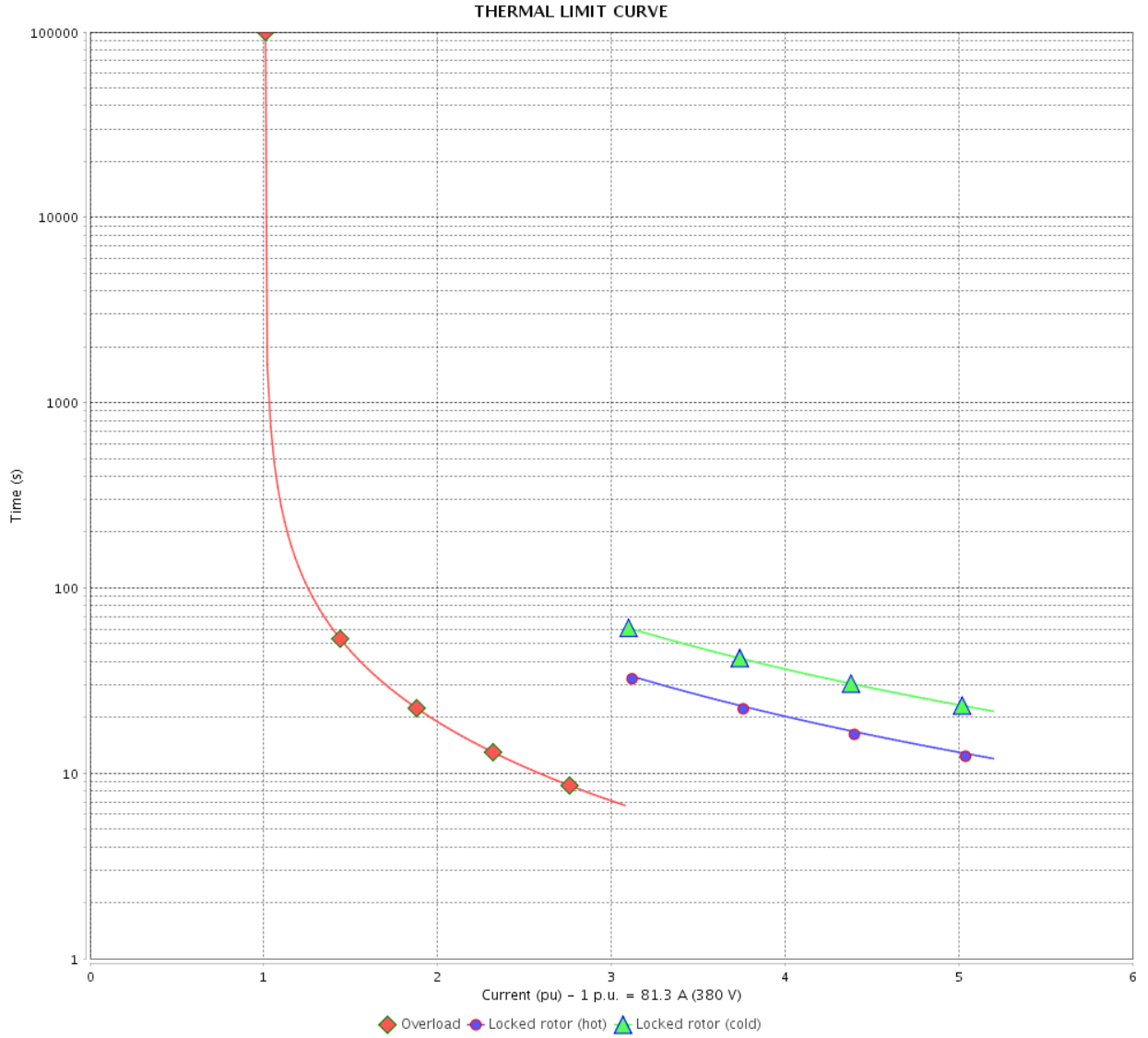
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| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 13/04/2022 | | 24 / 36 | |

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|------------|---------|----------|
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| Checked by | | 25 / 36 | | |
| Date | | 13/04/2022 | | |

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 11356014
Catalog # : 06036ET3G364TS-W22

Performance : 400 V 50 Hz 2P IE2

| | | | |
|---------------------|-------------|-----------------------|-----------------|
| Rated current | : 77.6 A | Moment of inertia (J) | : 10.6 sq.ft.lb |
| LRC | : 5.8 | Duty cycle | : Cont.(S1) |
| Rated torque | : 107 ft.lb | Insulation class | : F |
| Locked rotor torque | : 180 % | Service factor | : 1.00 |
| Breakdown torque | : 229 % | Temperature rise | : 105 K |
| Rated speed | : 2950 rpm | Design | : B |

Heating constant

Cooling constant

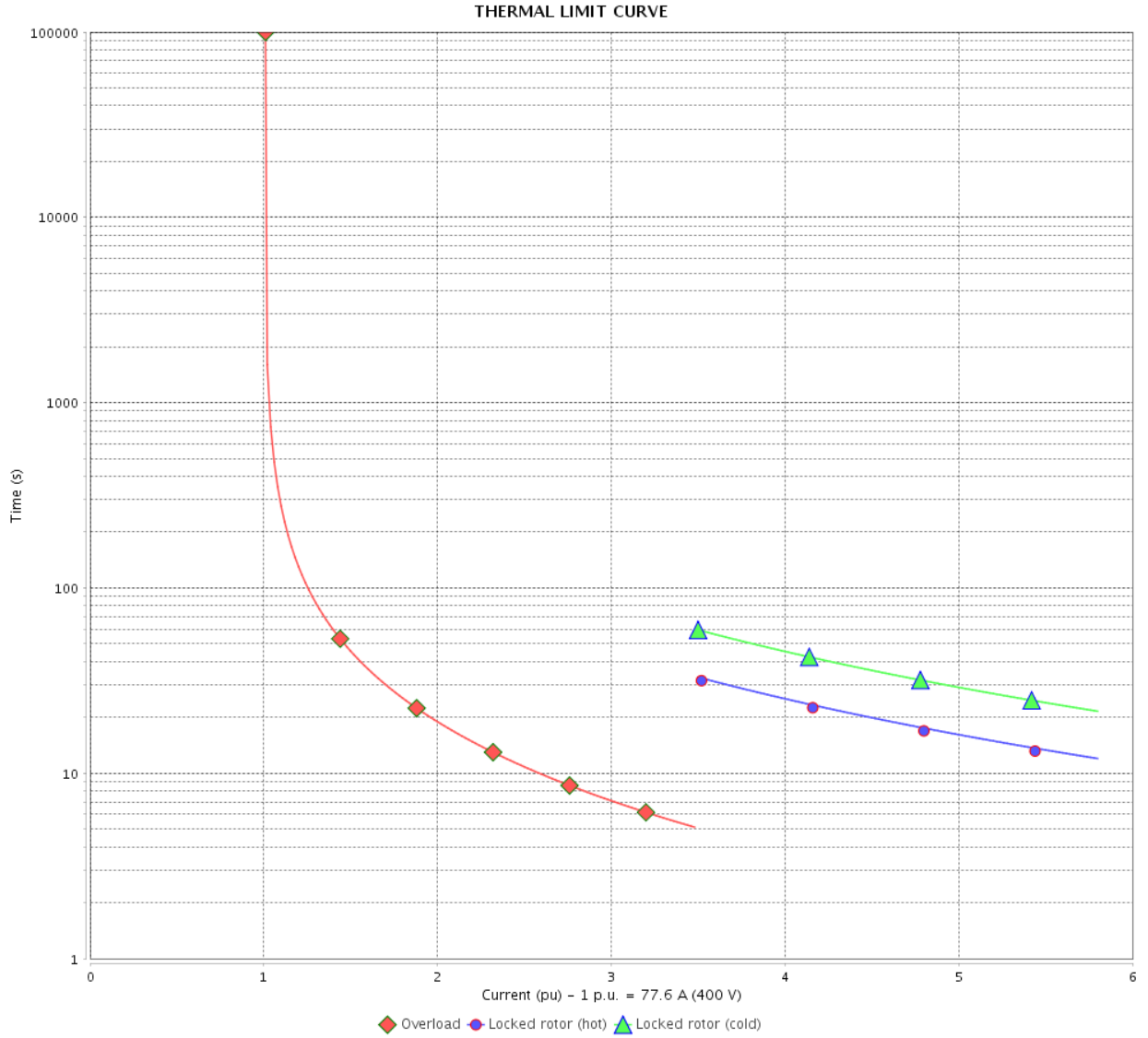
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| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 13/04/2022 | | 26 / 36 | |

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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|--------------|-----------------|-----------------|---------|----------|
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| Performed by | | Page 27 / 36 | | Revision |
| Checked by | | | | |
| Date | | | | |

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 11356014
Catalog # : 06036ET3G364TS-W22

Performance : 415 V 50 Hz 2P IE2

| | | | |
|---------------------|-------------|-----------------------|-----------------|
| Rated current | : 74.8 A | Moment of inertia (J) | : 10.6 sq.ft.lb |
| LRC | : 6.2 | Duty cycle | : Cont.(S1) |
| Rated torque | : 107 ft.lb | Insulation class | : F |
| Locked rotor torque | : 190 % | Service factor | : 1.00 |
| Breakdown torque | : 250 % | Temperature rise | : 105 K |
| Rated speed | : 2955 rpm | Design | : B |

Heating constant

Cooling constant

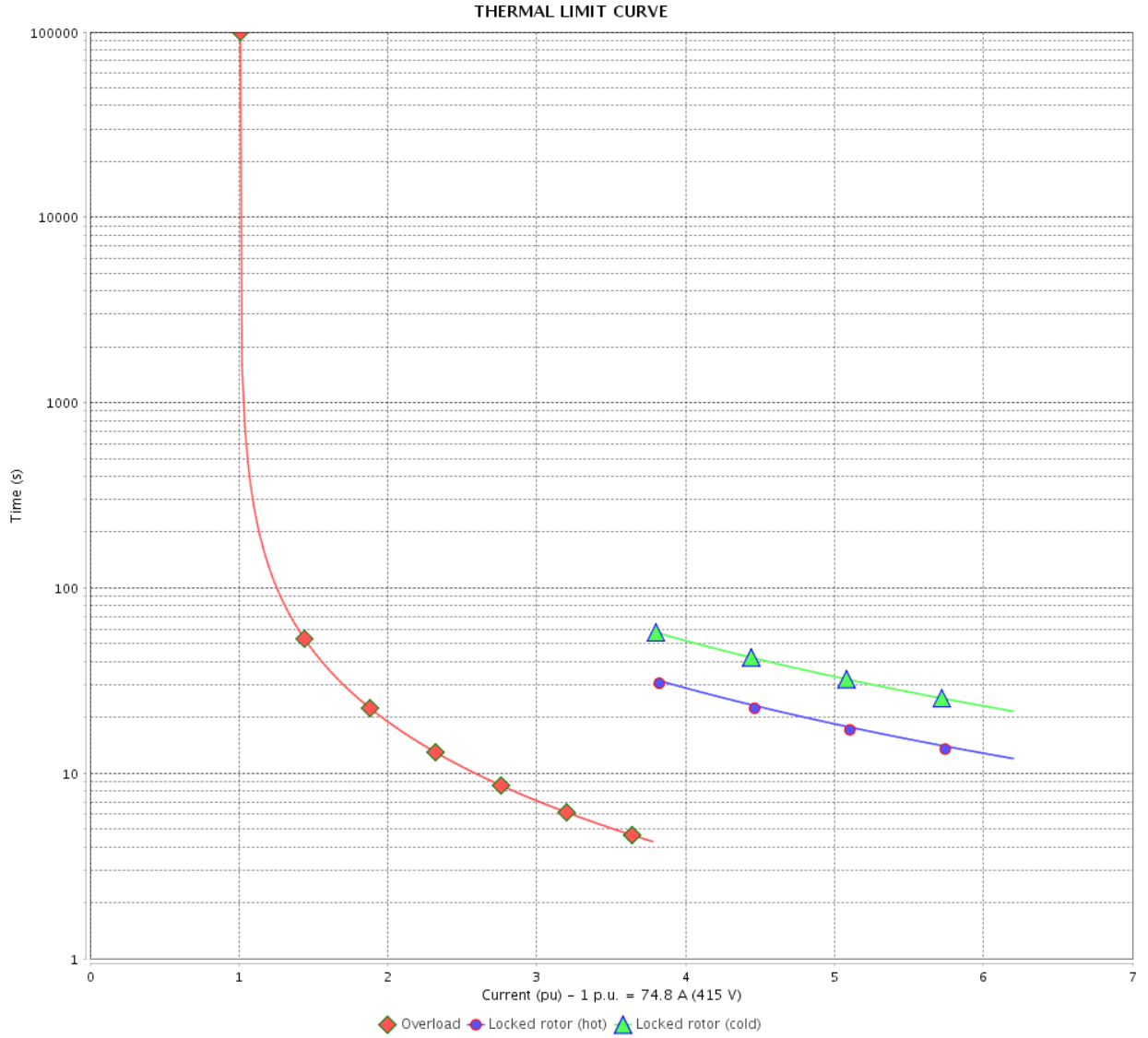
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| Performed by | | | | |
| Checked by | | | Page | Revision |
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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| Performed by | | Page | | Revision |
| Checked by | | 29 / 36 | | |
| Date | | 13/04/2022 | | |

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

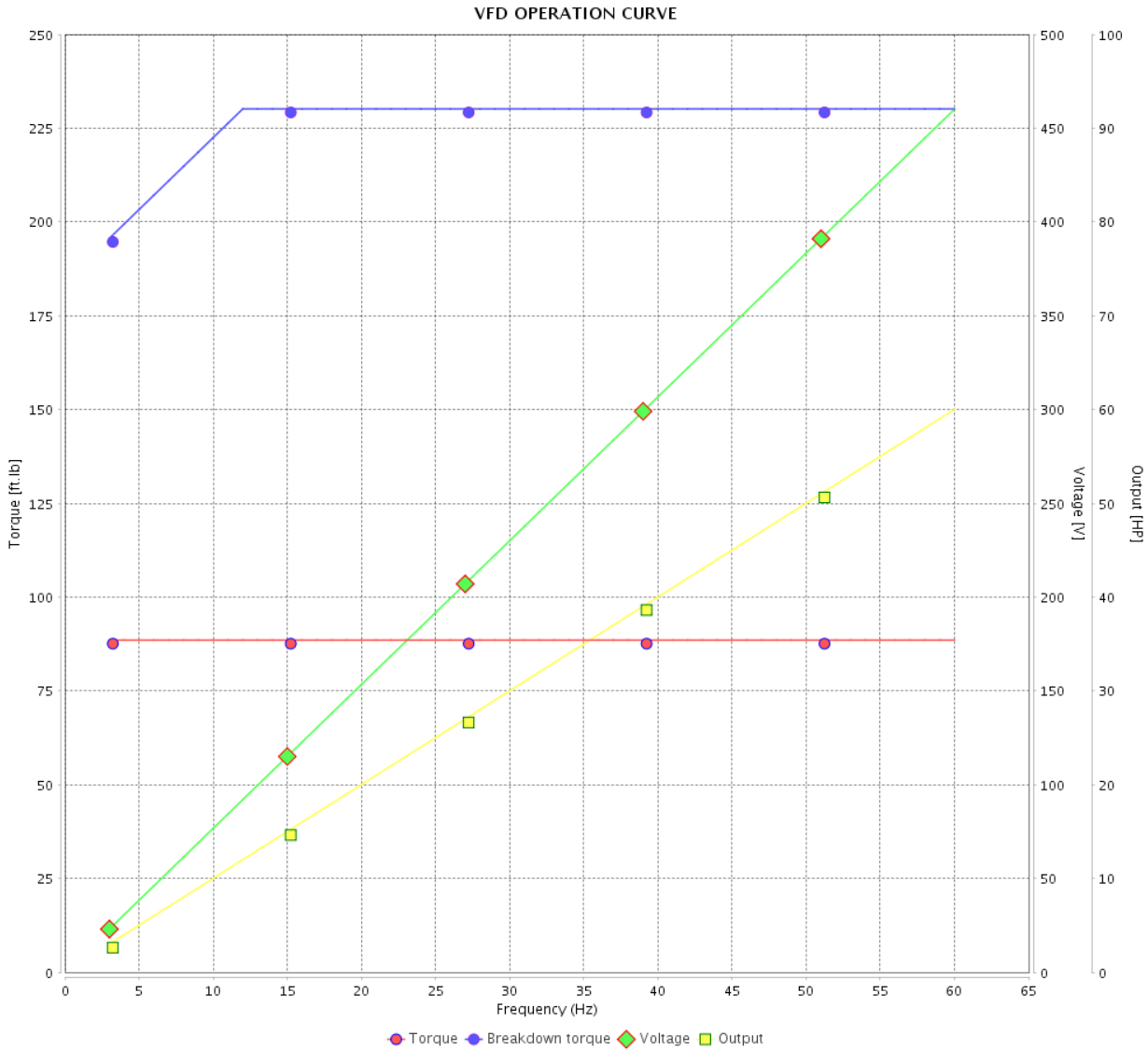


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22



Performance : 460 V 60 Hz 2P

Rated current : 67.0 A
 LRC : 6.6
 Rated torque : 88.5 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 260 %
 Rated speed : 3560 rpm

Moment of inertia (J) : 10.6 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 | 13/04/2022 | | | |

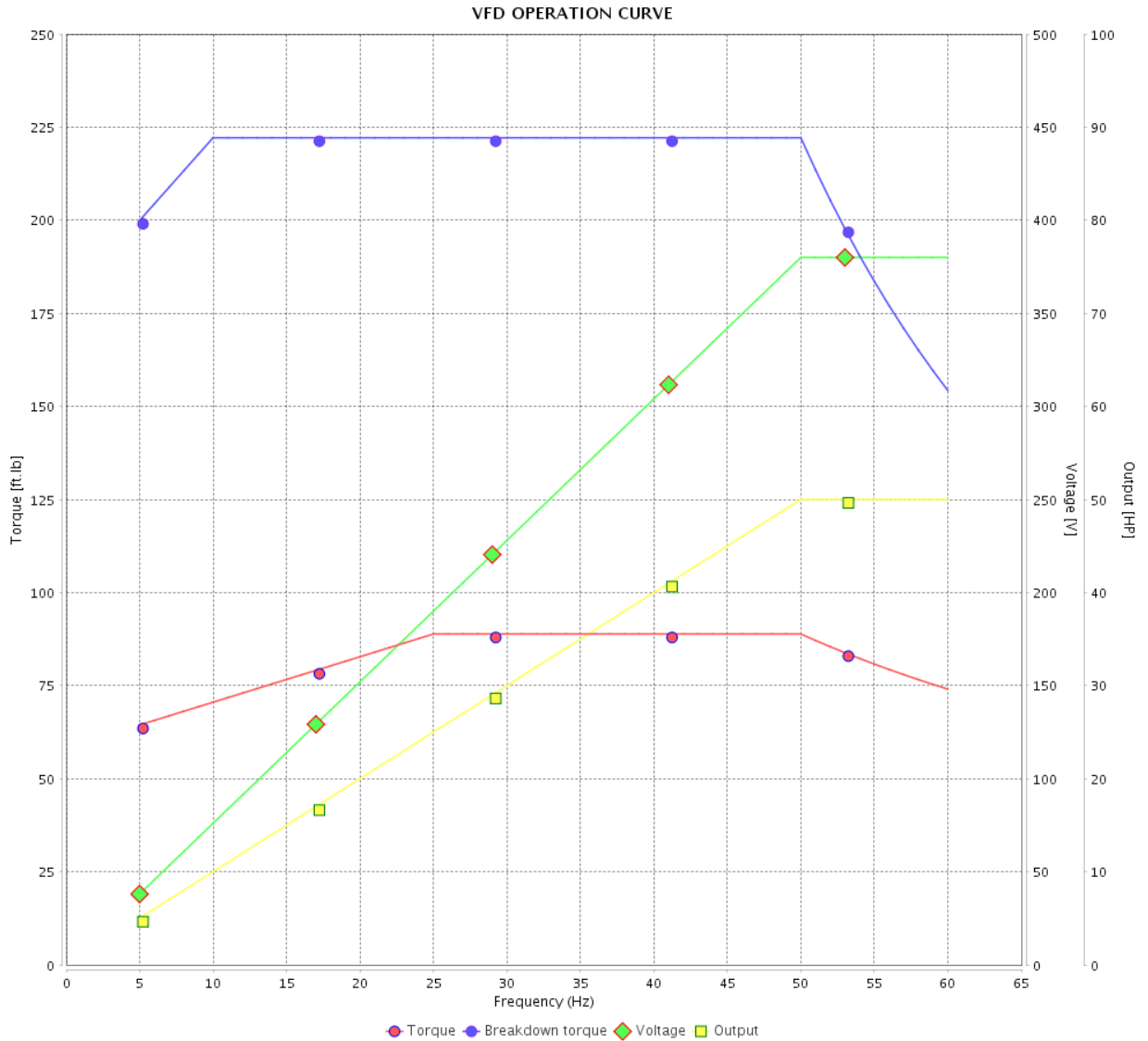
VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 11356014
 Catalog # : 06036ET3G364TS-W22



Performance : 380 V 50 Hz 2P IE3

| | |
|-----------------------------|---------------------------------------|
| Rated current : 65.9 A | Moment of inertia (J) : 10.6 sq.ft.lb |
| LRC : 6.3 | Duty cycle : Cont.(S1) |
| Rated torque : 88.9 ft.lb | Insulation class : F |
| Locked rotor torque : 190 % | Service factor : 1.00 |
| Breakdown torque : 250 % | Temperature rise : 80 K |
| Rated speed : 2955 rpm | Design : B |

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|----------|
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| Performed by | | | Page | Revision |
| Checked by | | | | |
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

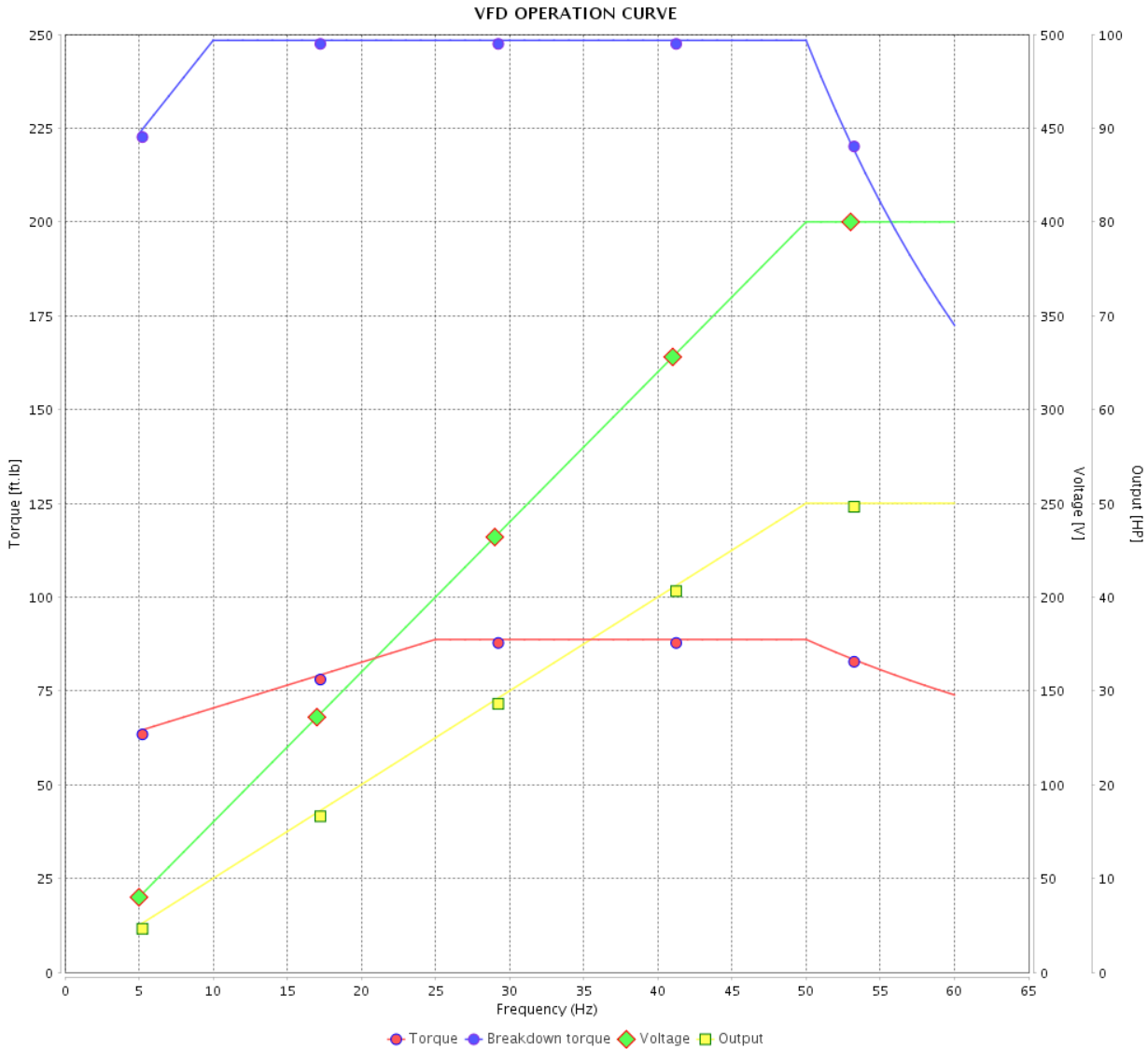


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22



Performance : 400 V 50 Hz 2P IE3

Rated current : 63.3 A
 LRC : 7.0
 Rated torque : 88.7 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 280 %
 Rated speed : 2960 rpm

Moment of inertia (J) : 10.6 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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| Performed by | | | Page 32 / 36 | Revision |
| Checked by | | | | |
| Date | 13/04/2022 | | | |

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

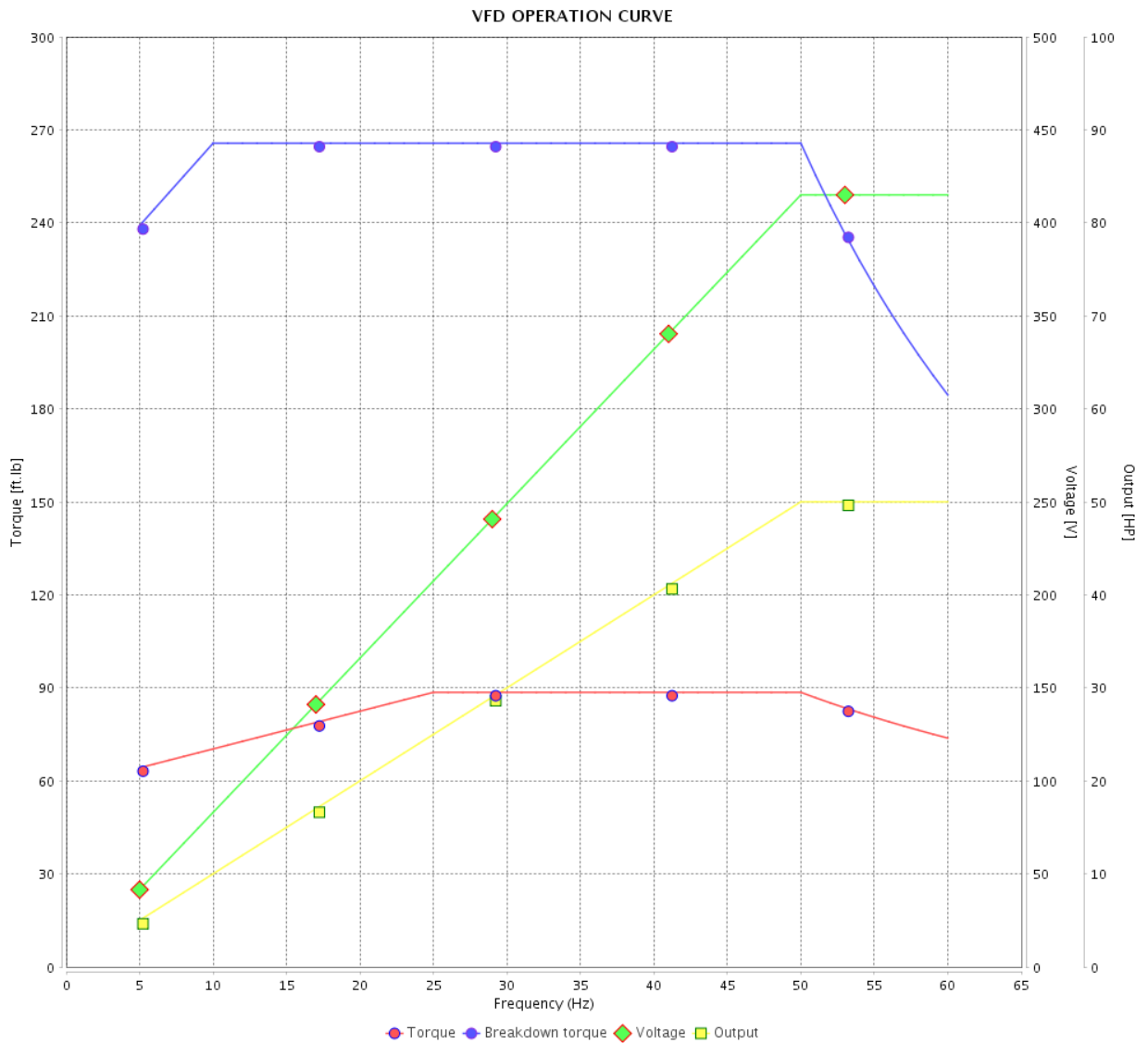


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22



Performance : 415 V 50 Hz 2P IE3

Rated current : 61.7 A
 LRC : 7.4
 Rated torque : 88.6 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 2965 rpm

Moment of inertia (J) : 10.6 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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| Performed by | | | Page 33 / 36 | Revision |
| Checked by | | | | |
| Date | 13/04/2022 | | | |

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



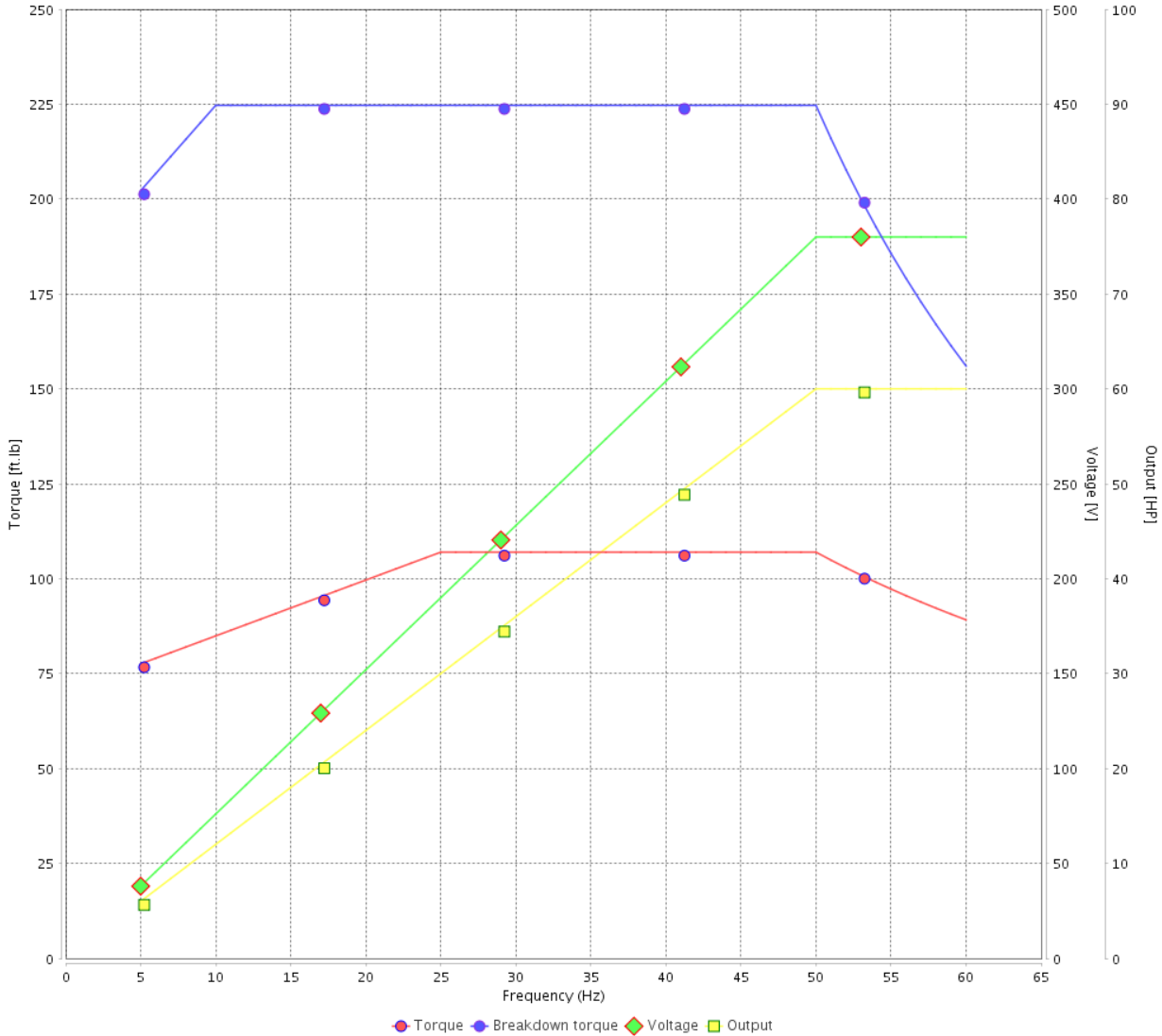
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22

VFD OPERATION CURVE



Performance : 380 V 50 Hz 2P IE1

Rated current : 81.3 A
 LRC : 5.2
 Rated torque : 107 ft.lb
 Locked rotor torque : 160 %
 Breakdown torque : 210 %
 Rated speed : 2945 rpm

Moment of inertia (J) : 10.6 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|-----------------|----------|
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| Performed by | | | Page 34 / 36 | Revision |
| Checked by | | | | |
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VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

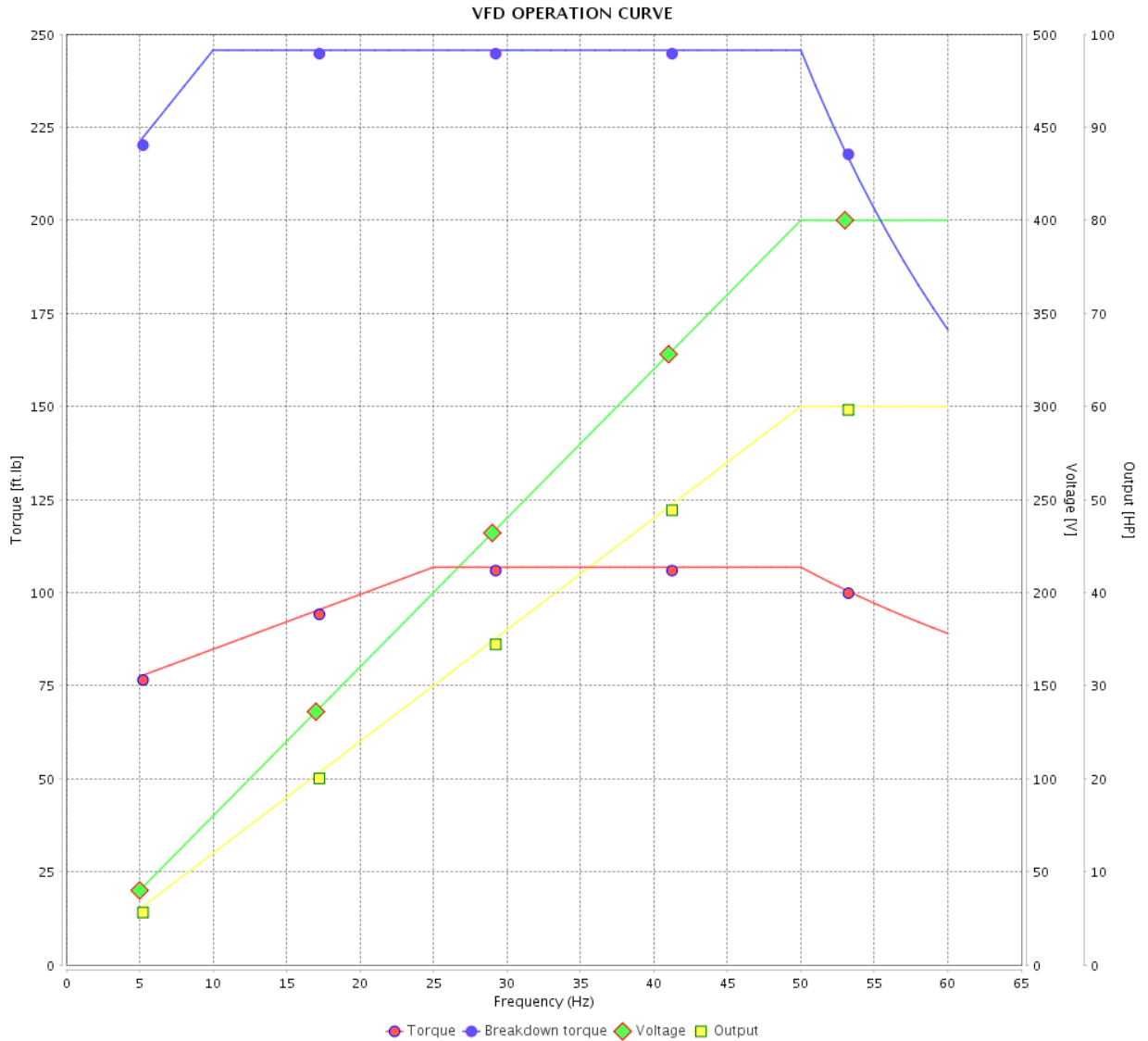


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22



Performance : 400 V 50 Hz 2P IE2

Rated current : 77.6 A
 LRC : 5.8
 Rated torque : 107 ft.lb
 Locked rotor torque : 180 %
 Breakdown torque : 229 %
 Rated speed : 2950 rpm

Moment of inertia (J) : 10.6 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 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

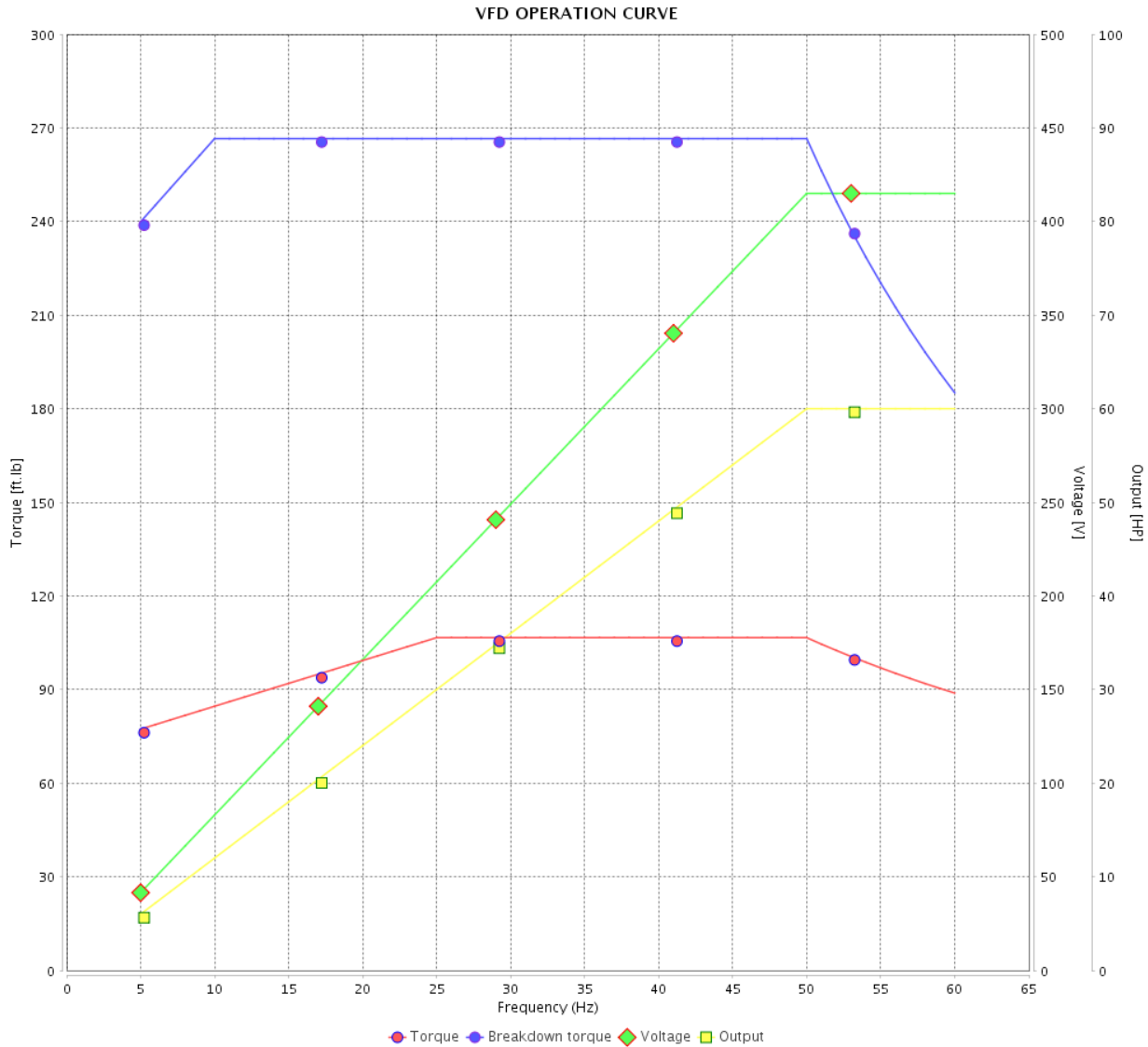


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 11356014

Catalog # : 06036ET3G364TS-W22



Performance : 415 V 50 Hz 2P IE2

Rated current : 74.8 A
 LRC : 6.2
 Rated torque : 107 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 2955 rpm

Moment of inertia (J) : 10.6 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K
 Design : B

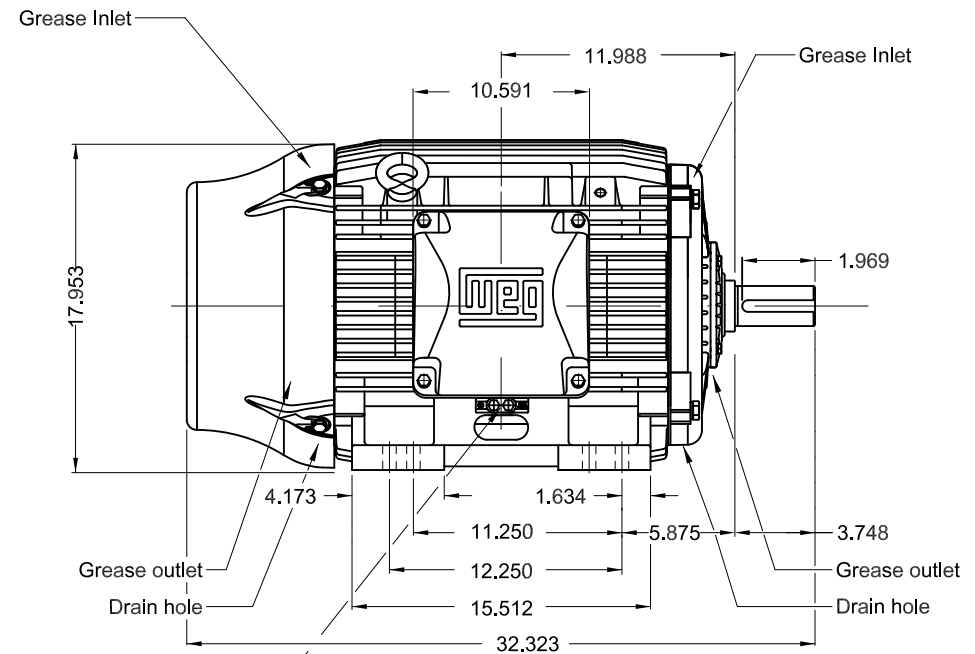
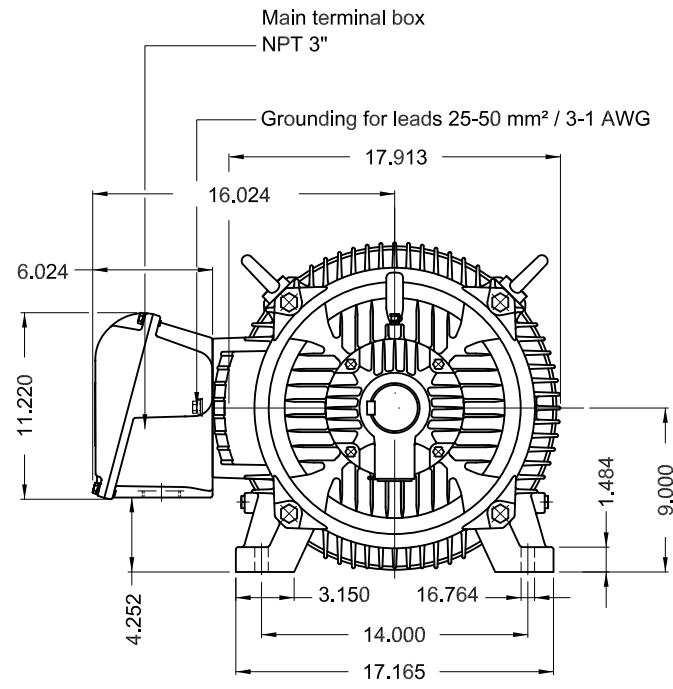
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| Date | | | | |

1 2 3 4 5 6

A

B

C



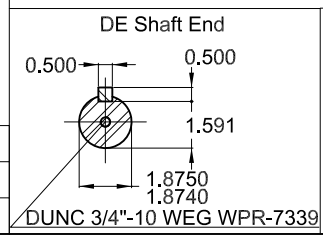
Grounding for leads 25-185 mm² / 3AWG-350MCM

D

E

60 HP 02 Poles 60 Hz A

Color RAL 5009
 Painting plan 203A
 Mounting B3R(D)



| ECM | LOC | SUMMARY OF MODIFICATIONS | EXECUTED | CHECKED | RELEASED | DATE | VER |
|----------|-----------|--------------------------------|---------------------|---------|----------|------|-----|
| EXECUTED | PIRWBUSER | THREE PH. MOTOR W22 PREM. EFF. | | | | | |
| CHECKED | | FRAME 364/5TS IP55 TEFC | | | | | |
| RELEASED | | | | | | | |
| REL DT. | WMO | Jaragua do Sul | Product Engineering | | | | |

PREVIEW
 WDD



SHEET 1 / 1

Dimensions in inches XME A3

MODEL 06036ET3G364TS-W22
MADE IN BRAZIL
11356014



Inverter Duty Motor
Severe Duty

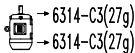
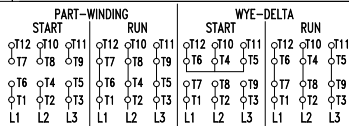


FOR SAFE AREA
MOD.TE1BFOXON



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

| | | | | |
|--------------|------------|---------------|-------------------|----------------------------|
| PH 3 | FR 364/5TS | HP(kW) 60(45) | | Hz 60 |
| V 460 | | A 67.0 | | IP55 |
| NEMA NOM EFF | | 93.6 | % | RPM 3560 |
| ENCL TEFC | DUTY | CONT. | | INS. CL. F ΔT 80 K |
| PF 0.90 | | DES B | CODE G | AMB. 40°C |
| SF 1.25 | SFA 83.8 | | ALT 1000 m.a.s.l. | |



MOBIL POLYREX EM
4000 h

853 Lbs