

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



|  |                      |  |  |                      |          |
|--|----------------------|--|--|----------------------|----------|
| Customer :   |                      |  |  |                      |          |
| Product line   |                      | : NEMA Premium Efficiency Three-Phase          | Product code :   | 12424289             |          |
|  |                      |  | Catalog # :  | 01009ST3QIE284T-W22  |          |
| Frame  |                      | : 284/6T                                       | 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>  | : 365 lb             |          |
| Protection degree  |                      | : IP55   | Moment of inertia (J)  | : 7.20 sq.ft.lb      |          |
| Design   |                      | : B  |  |                      |          |
| Output [HP]  | 10                   | 10   | 10   | 10                   |          |
| Poles  | 8                    | 8  | 8  | 8                    |          |
| Frequency [Hz]   | 60                   | 50   | 50   | 50                   |          |
| Rated voltage [V]  | 460                  | 380  | 400  | 415                  |          |
| Rated current [A]  | 13.4                 | 16.1   | 15.3   | 15.1                 |          |
| L. R. Amperes [A]  | 75.0                 | 70.8   | 75.0   | 78.5                 |          |
| LRC [A]  | 5.6x(Code G)         | 4.4x(Code E)                                   | 4.9x(Code F)   | 5.2x(Code G)         |          |
| No load current [A]  | 6.50                 | 6.40   | 6.90   | 7.35                 |          |
| Rated speed [RPM]  | 880                  | 725  | 725  | 730                  |          |
| Slip [%]   | 2.22                 | 3.33   | 3.33   | 2.67                 |          |
| Rated torque [ft.lb]   | 59.7                 | 72.4   | 72.4   | 71.9                 |          |
| Locked rotor torque [%]  | 200                  | 150  | 170  | 190                  |          |
| Breakdown torque [%]   | 240                  | 190  | 210  | 229                  |          |
| Service factor   | 1.25                 | 1.00   | 1.15   | 1.15                 |          |
| Temperature rise   | 80 K                 | 105 K  | 105 K  | 105 K                |          |
| Locked rotor time  | 57s (cold) 32s (hot) | 45s (cold) 25s (hot)                           | 45s (cold) 25s (hot)   | 45s (cold) 25s (hot) |          |
| Noise level <sup>2</sup>   | 54.0 dB(A)           | 52.0 dB(A)                                     | 52.0 dB(A)   | 52.0 dB(A)           |          |
| Efficiency (%)   | 25%                  |  |  |                      |          |
|  | 50%                  | 89.5   | 89.5   | 88.5                 |          |
|  | 75%                  | 90.2   | 88.5   | 88.5                 |          |
|  | 100%                 | 90.2   | 87.5   | 88.5                 |          |
| Power Factor   | 25%                  |  |  |                      |          |
|  | 50%                  | 0.61   | 0.68   | 0.64                 |          |
|  | 75%                  | 0.72   | 0.77   | 0.74                 |          |
|  | 100%                 | 0.78   | 0.81   | 0.80                 |          |
| Bearing type   |                      | Drive end : 6311 C3<br>Non drive end : 6211 C3 | Foundation loads   |                      |          |
| Sealing  |                      | Inpro/Seal Inpro/Seal                          | Max. traction : 539 lb   |                      |          |
| Lubrication interval   |                      | 20000 h 20000 h                                | Max. compression : 904 lb  |                      |          |
| Lubricant amount   |                      | 18 g 11 g                                      |  |                      |          |
| Lubricant type   |                      | Mobil Polyrex EM                               |  |                      |          |
| Notes  |                      |  |  |                      |          |
| This revision replaces and cancel the previous one, which must be eliminated.<br>(1) Looking the motor from the shaft end.<br>(2) Measured at 1m and with tolerance of +3dB(A).<br>(3) Approximate weight subject to changes after manufacturing process.<br>(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   | 12/04/2022           |  |  | 1 / 21               |          |

# TORQUE AND CURRENT VS SPEED CURVE

## Three Phase Induction Motor - Squirrel Cage



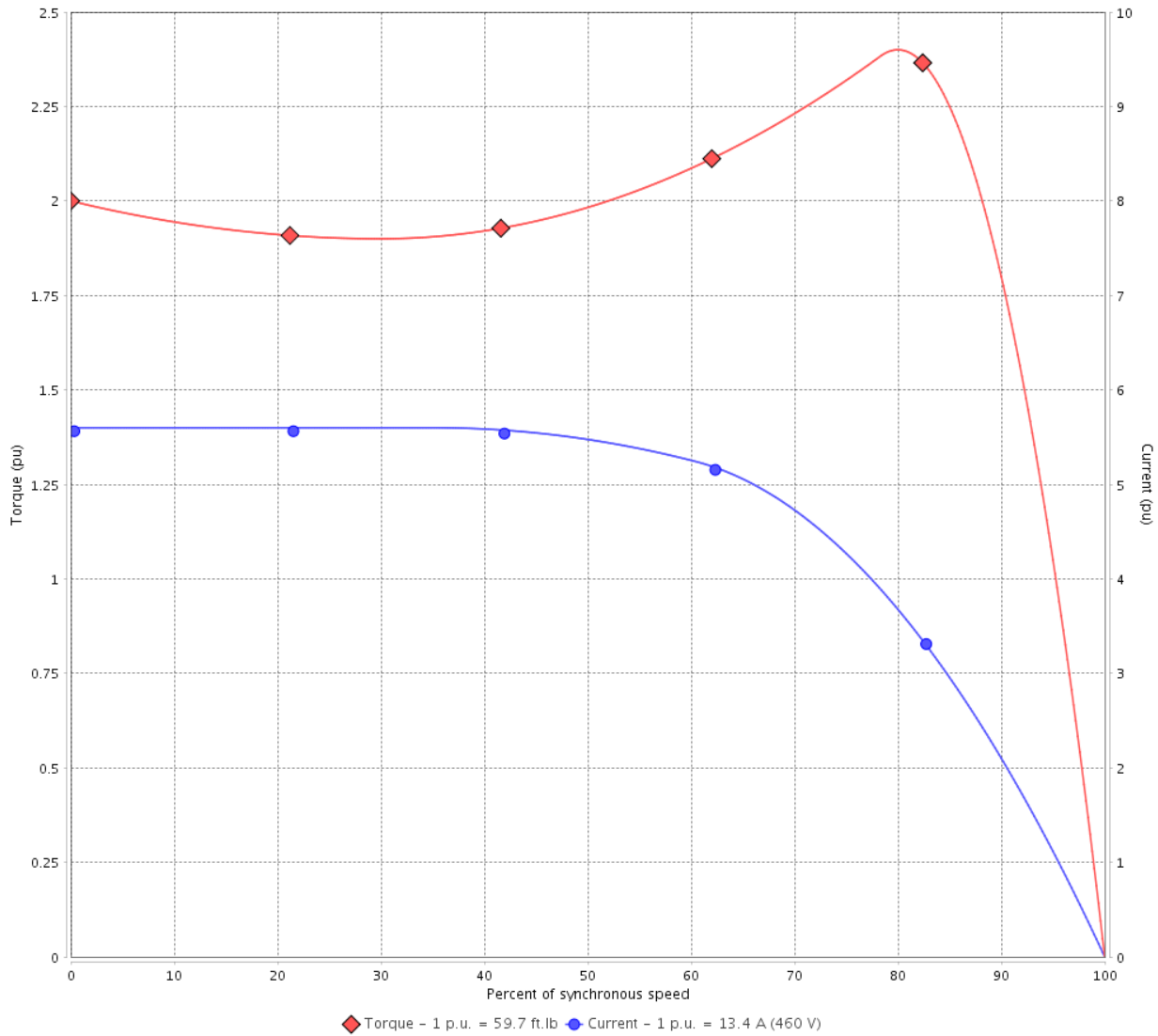
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 460 V 60 Hz 8P

|                     |              |                       |                 |
|---------------------|--------------|-----------------------|-----------------|
| Rated current       | : 13.4 A     | Moment of inertia (J) | : 7.20 sq.ft.lb |
| LRC                 | : 5.6        | Duty cycle            | : Cont.(S1)     |
| Rated torque        | : 59.7 ft.lb | Insulation class      | : F             |
| Locked rotor torque | : 200 %      | Service factor        | : 1.25          |
| Breakdown torque    | : 240 %      | Temperature rise      | : 80 K          |
| Rated speed         | : 880 rpm    | Design                | : B             |

Locked rotor time : 57s (cold) 32s (hot)

| Rev.         | Changes Summary | Performed | Checked        | Date     |
|--------------|-----------------|-----------|----------------|----------|
|              |                 |           |                |          |
| Performed by |                 |           | Page<br>2 / 21 | Revision |
| Checked by   |                 |           |                |          |
| Date         | 12/04/2022      |           |                |          |

# TORQUE AND CURRENT VS SPEED CURVE



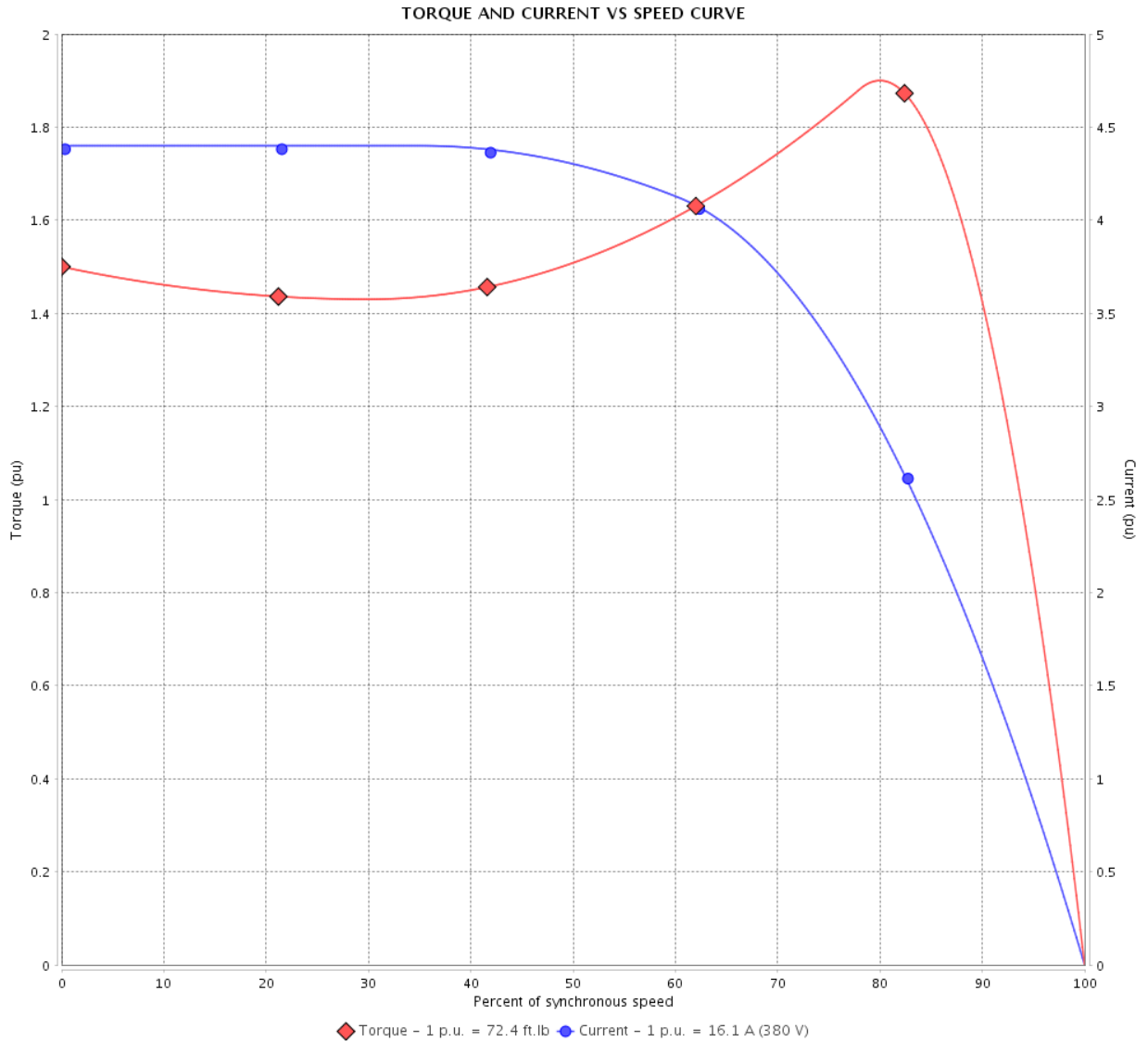
## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22



Performance : 380 V 50 Hz 8P IE3

|                     |              |                       |                 |
|---------------------|--------------|-----------------------|-----------------|
| Rated current       | : 16.1 A     | Moment of inertia (J) | : 7.20 sq.ft.lb |
| LRC                 | : 4.4        | Duty cycle            | : Cont.(S1)     |
| Rated torque        | : 72.4 ft.lb | Insulation class      | : F             |
| Locked rotor torque | : 150 %      | Service factor        | : 1.00          |
| Breakdown torque    | : 190 %      | Temperature rise      | : 105 K         |
| Rated speed         | : 725 rpm    | Design                | : B             |

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

| Rev.         | Changes Summary | Performed | Checked | Date     |
|--------------|-----------------|-----------|---------|----------|
|              |                 |           |         |          |
| Performed by |                 |           | Page    | Revision |
| Checked by   |                 |           | 3 / 21  |          |
| Date         | 12/04/2022      |           |         |          |

# TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

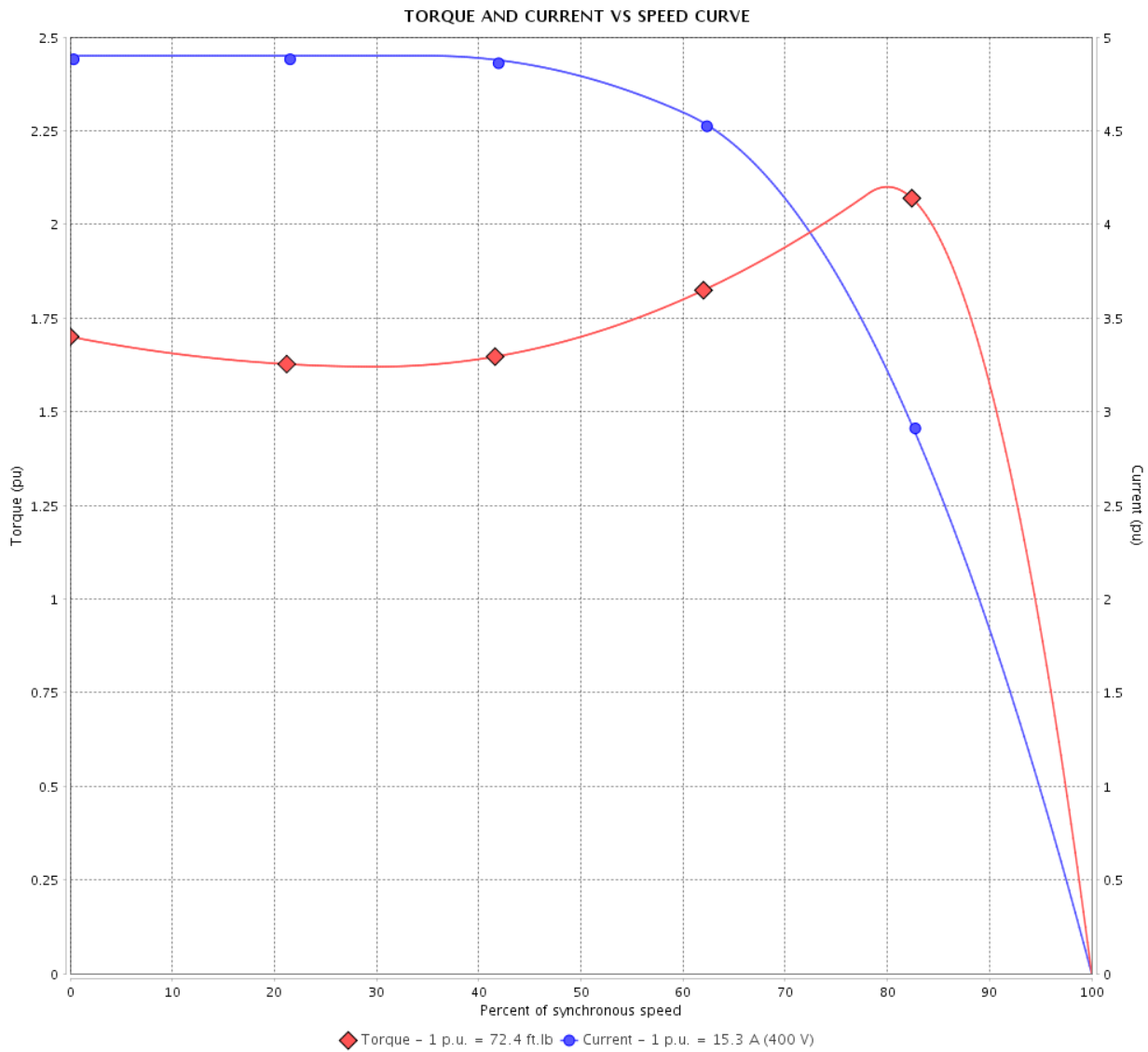


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22



Performance : 400 V 50 Hz 8P IE3

|                     |              |                       |                 |
|---------------------|--------------|-----------------------|-----------------|
| Rated current       | : 15.3 A     | Moment of inertia (J) | : 7.20 sq.ft.lb |
| LRC                 | : 4.9        | Duty cycle            | : Cont.(S1)     |
| Rated torque        | : 72.4 ft.lb | Insulation class      | : F             |
| Locked rotor torque | : 170 %      | Service factor        | : 1.15          |
| Breakdown torque    | : 210 %      | Temperature rise      | : 105 K         |
| Rated speed         | : 725 rpm    | Design                | : B             |

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

| Rev.         | Changes Summary | Performed | Checked        | Date     |
|--------------|-----------------|-----------|----------------|----------|
|              |                 |           |                |          |
| Performed by |                 |           | Page<br>4 / 21 | Revision |
| Checked by   |                 |           |                |          |
| Date         | 12/04/2022      |           |                |          |

# TORQUE AND CURRENT VS SPEED CURVE



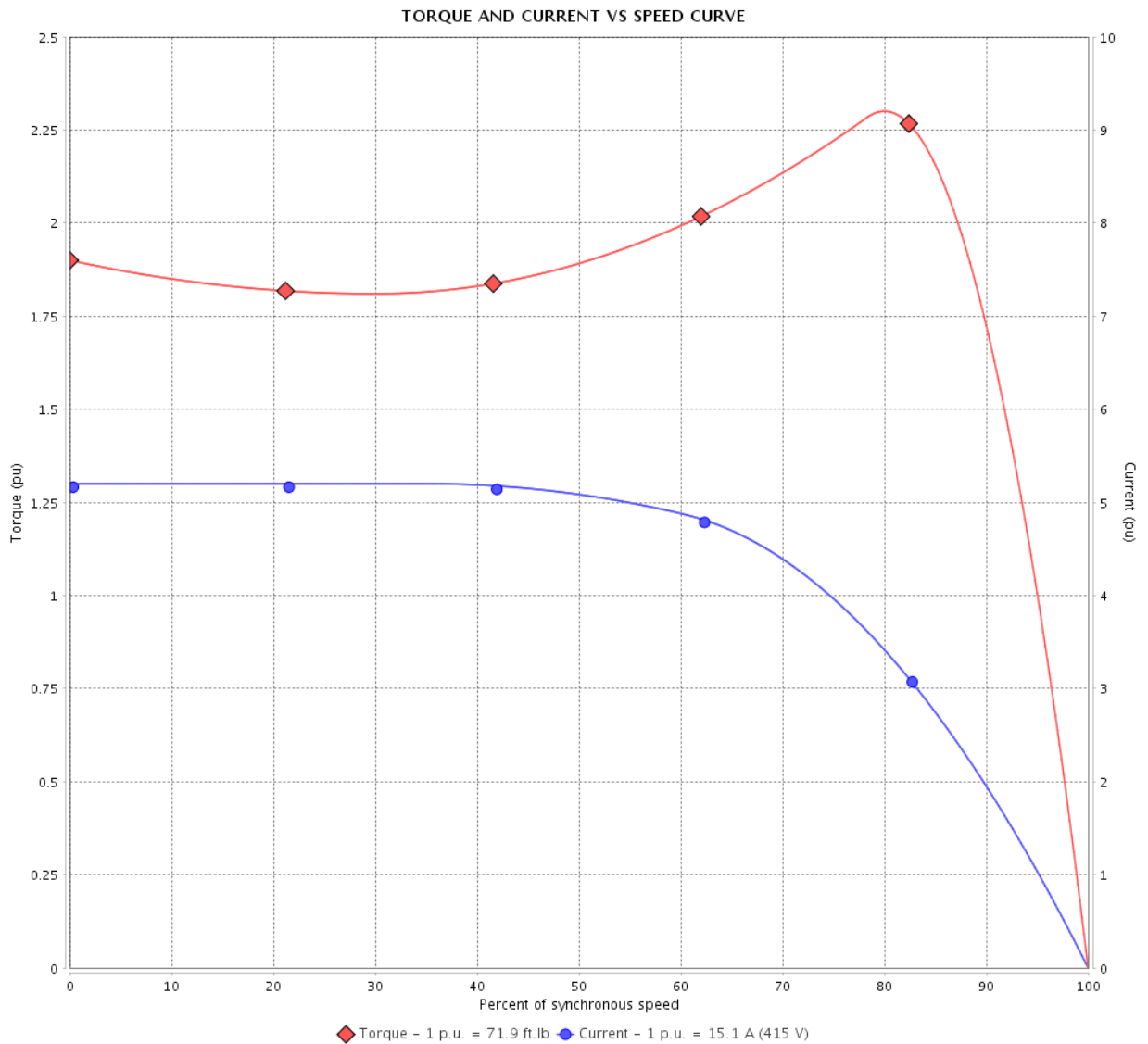
## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22



Performance : 415 V 50 Hz 8P IE3

Rated current : 15.1 A  
 LRC : 5.2  
 Rated torque : 71.9 ft.lb  
 Locked rotor torque : 190 %  
 Breakdown torque : 229 %  
 Rated speed : 730 rpm

Moment of inertia (J) : 7.20 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 105 K  
 Design : B

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

| Rev.         | Changes Summary | Performed | Checked | Date     |
|--------------|-----------------|-----------|---------|----------|
|              |                 |           |         |          |
| Performed by |                 |           | Page    | Revision |
| Checked by   |                 |           | 5 / 21  |          |
| Date         | 12/04/2022      |           |         |          |

# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



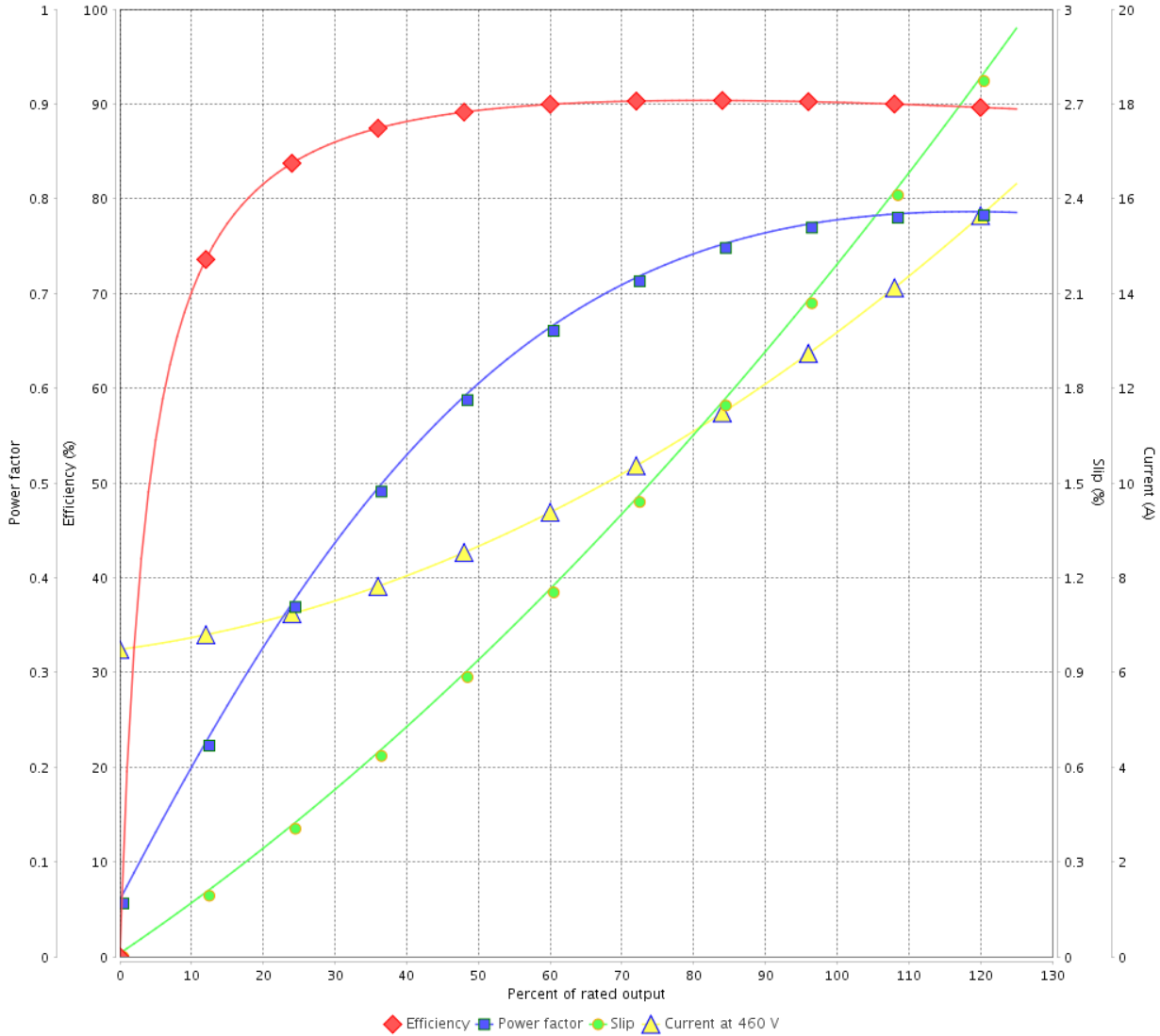
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22

LOAD PERFORMANCE CURVE



Performance : 460 V 60 Hz 8P

Rated current : 13.4 A  
 LRC : 5.6  
 Rated torque : 59.7 ft.lb  
 Locked rotor torque : 200 %  
 Breakdown torque : 240 %  
 Rated speed : 880 rpm

Moment of inertia (J) : 7.20 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<br>6 / 21 | Revision |
| Checked by   |                 |           |                |          |
| Date         | 12/04/2022      |           |                |          |

# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

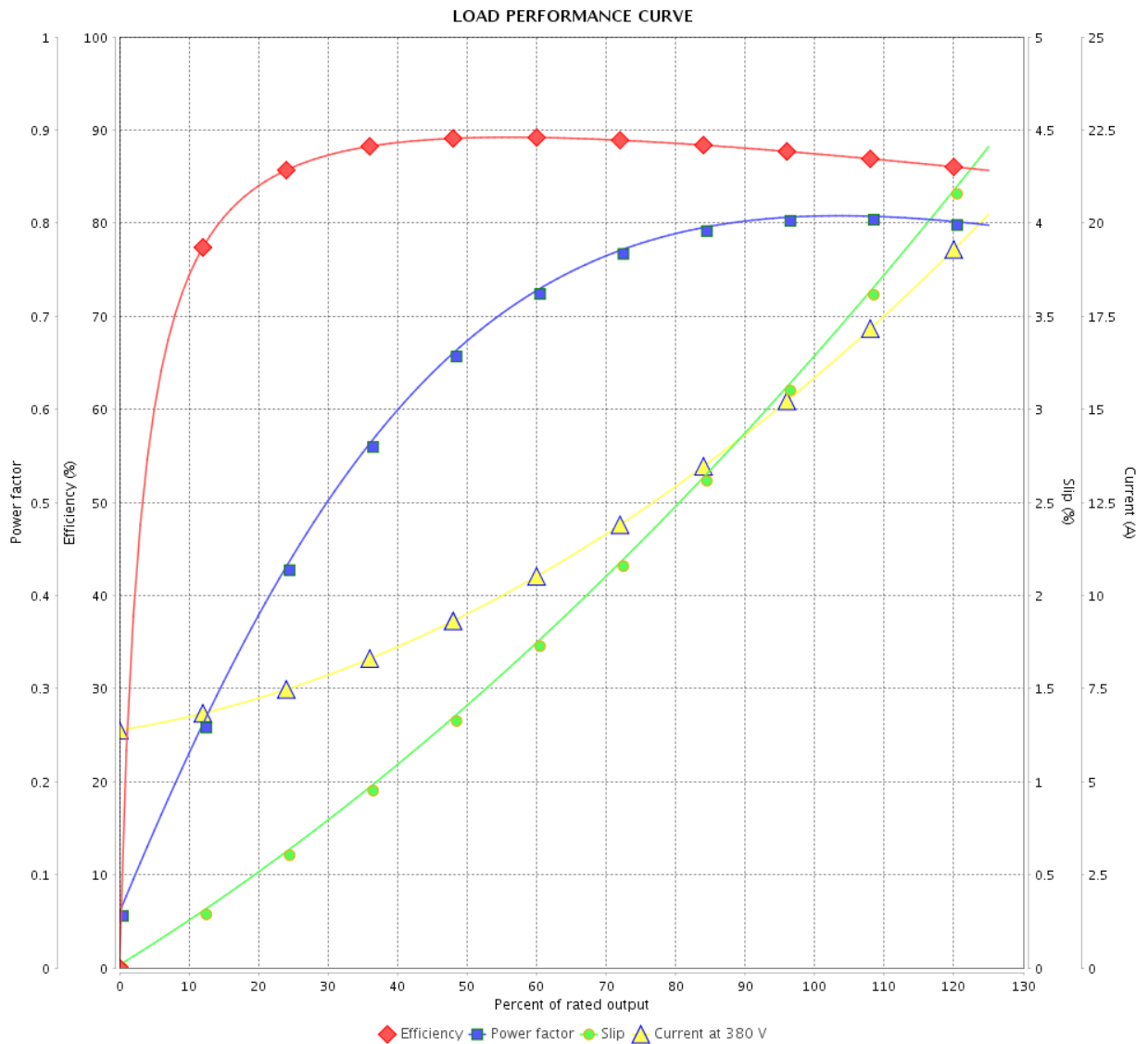


Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22



Performance : 380 V 50 Hz 8P IE3

Rated current : 16.1 A  
 LRC : 4.4  
 Rated torque : 72.4 ft.lb  
 Locked rotor torque : 150 %  
 Breakdown torque : 190 %  
 Rated speed : 725 rpm

Moment of inertia (J) : 7.20 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     |
|--------------|-----------------|------------|---------|----------|
|              |                 |            |         |          |
| Performed by |                 | Page       |         | Revision |
| Checked by   |                 | 7 / 21     |         |          |
| Date         |                 | 12/04/2022 |         |          |

# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



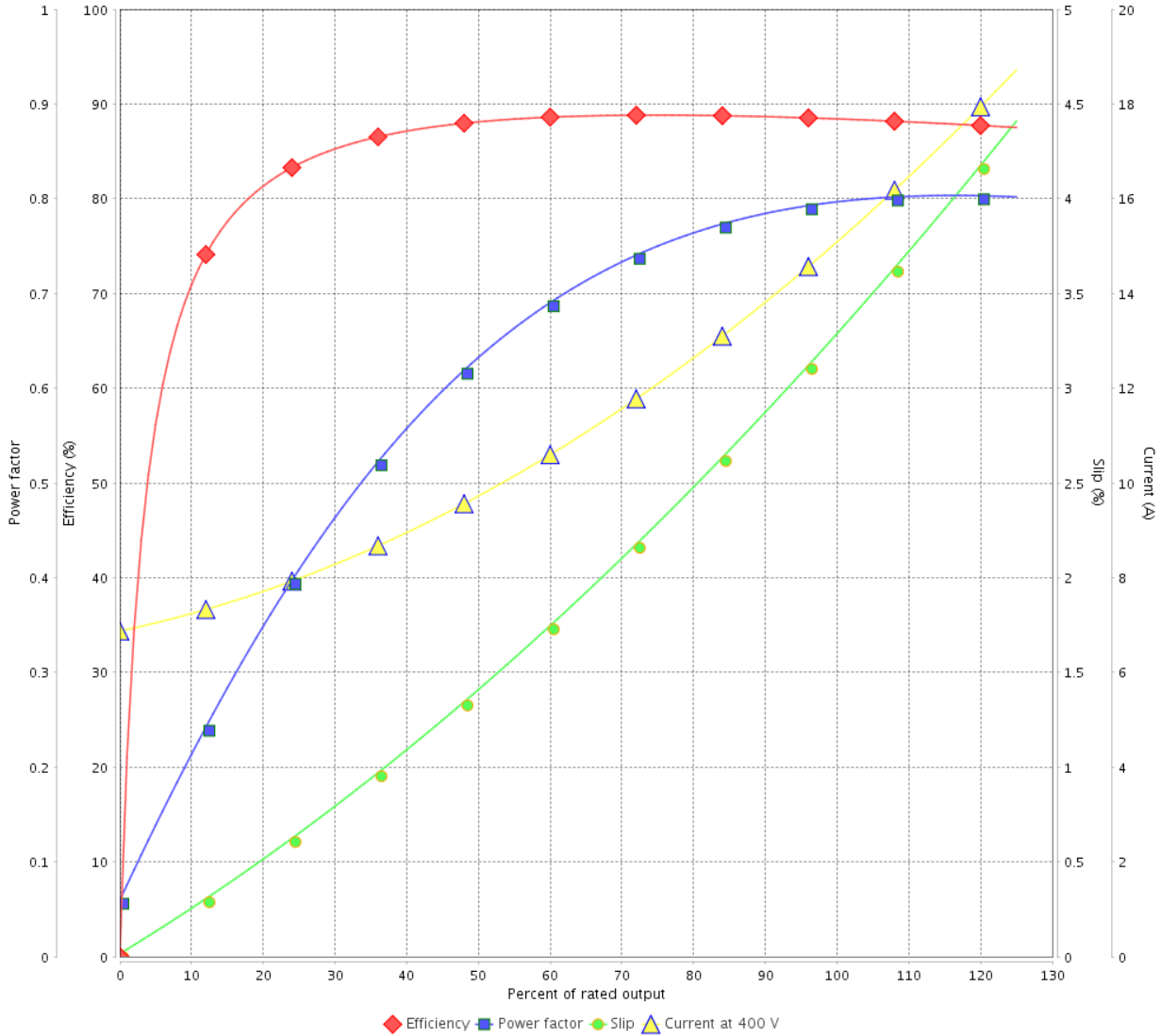
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22

LOAD PERFORMANCE CURVE



Performance : 400 V 50 Hz 8P IE3

Rated current : 15.3 A  
 LRC : 4.9  
 Rated torque : 72.4 ft.lb  
 Locked rotor torque : 170 %  
 Breakdown torque : 210 %  
 Rated speed : 725 rpm

Moment of inertia (J) : 7.20 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 105 K  
 Design : B

| Rev.         | Changes Summary | Performed | Checked        | Date     |
|--------------|-----------------|-----------|----------------|----------|
|              |                 |           |                |          |
| Performed by |                 |           | Page<br>8 / 21 | Revision |
| Checked by   |                 |           |                |          |
| Date         | 12/04/2022      |           |                |          |



# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

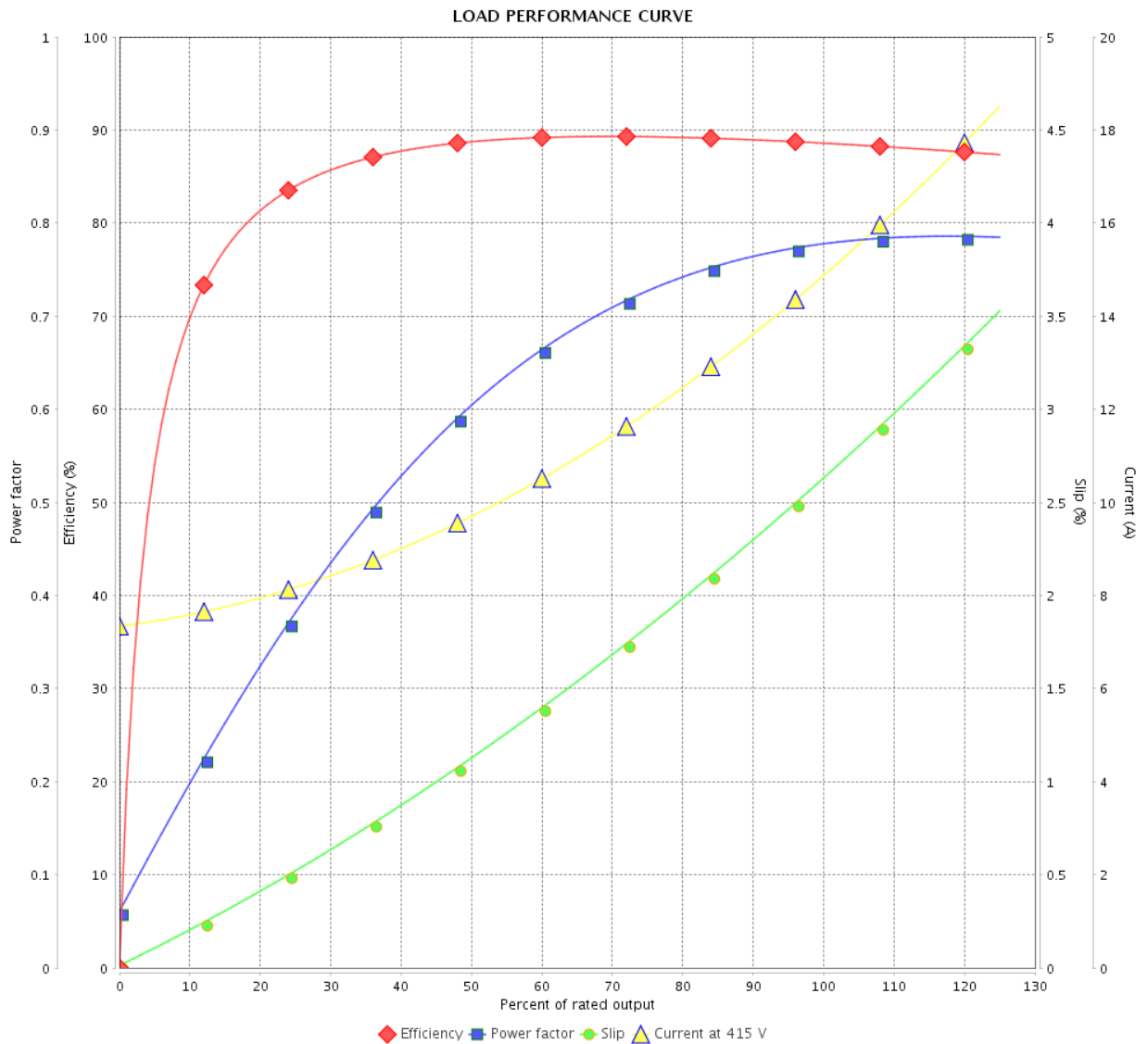


Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22



Performance : 415 V 50 Hz 8P IE3

Rated current : 15.1 A  
 LRC : 5.2  
 Rated torque : 71.9 ft.lb  
 Locked rotor torque : 190 %  
 Breakdown torque : 229 %  
 Rated speed : 730 rpm

Moment of inertia (J) : 7.20 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 105 K  
 Design : B

| Rev.         | Changes Summary | Performed  | Checked | Date     |
|--------------|-----------------|------------|---------|----------|
|              |                 |            |         |          |
| Performed by |                 | Page       |         | Revision |
| Checked by   |                 | 9 / 21     |         |          |
| Date         |                 | 12/04/2022 |         |          |

# THERMAL LIMIT CURVE



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase  
 Product code : 12424289  
 Catalog # : 01009ST3QIE284T-W22

Performance : 460 V 60 Hz 8P

|                             |                                       |
|-----------------------------|---------------------------------------|
| Rated current : 13.4 A      | Moment of inertia (J) : 7.20 sq.ft.lb |
| LRC : 5.6                   | Duty cycle : Cont.(S1)                |
| Rated torque : 59.7 ft.lb   | Insulation class : F                  |
| Locked rotor torque : 200 % | Service factor : 1.25                 |
| Breakdown torque : 240 %    | Temperature rise : 80 K               |
| Rated speed : 880 rpm       | Design : B                            |

Heating constant

Cooling constant

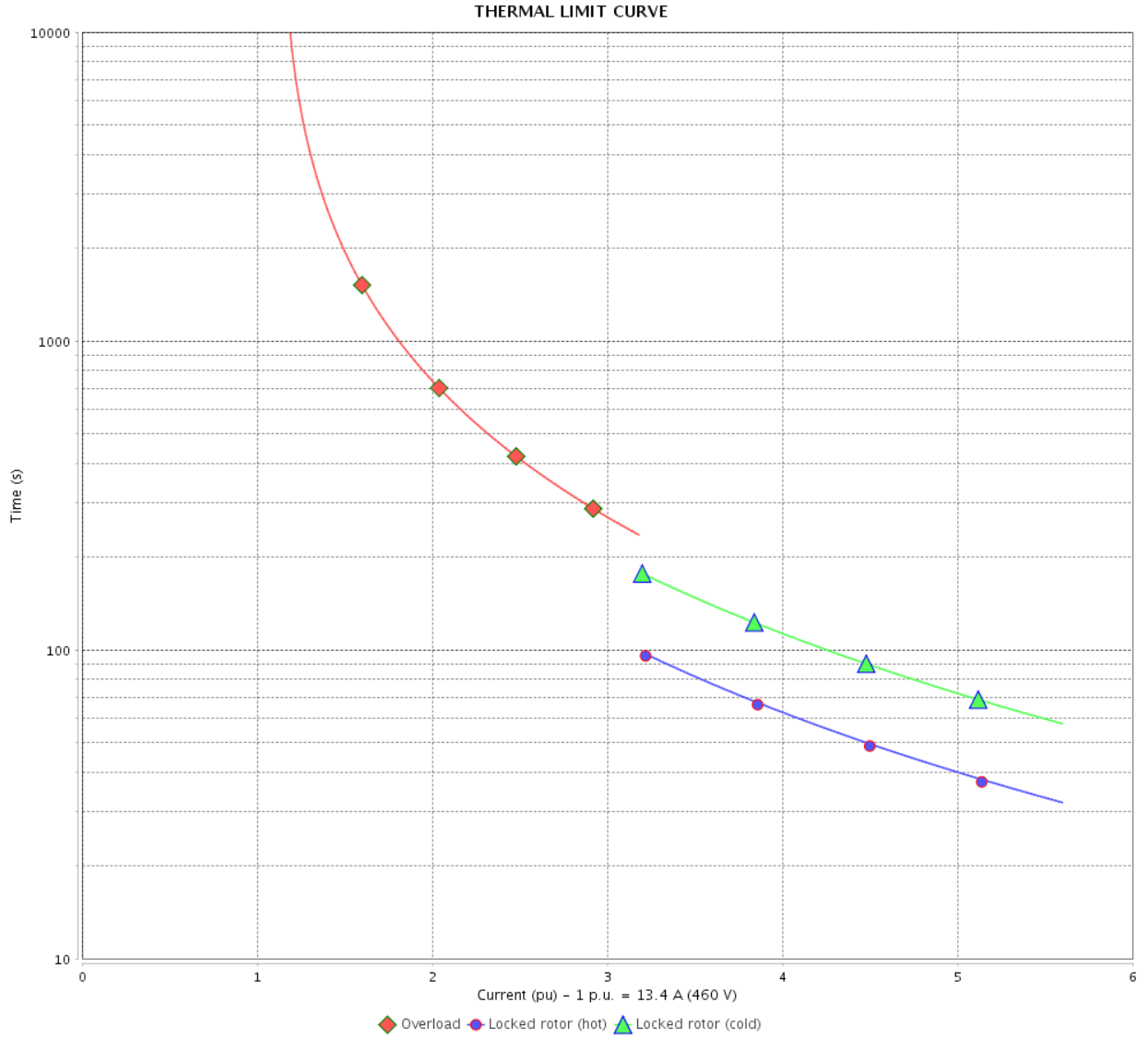
| Rev.         | Changes Summary | Performed | Checked         | Date     |
|--------------|-----------------|-----------|-----------------|----------|
|              |                 |           |                 |          |
| Performed by |                 |           | Page<br>10 / 21 | Revision |
| Checked by   |                 |           |                 |          |
| Date         | 12/04/2022      |           |                 |          |

# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



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



| Rev.         | Changes Summary | Performed  | Checked | Date     |
|--------------|-----------------|------------|---------|----------|
|              |                 |            |         |          |
| Performed by |                 | Page       |         | Revision |
| Checked by   |                 | 11 / 21    |         |          |
| Date         |                 | 12/04/2022 |         |          |

# THERMAL LIMIT CURVE



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase  
 Product code : 12424289  
 Catalog # : 01009ST3QIE284T-W22

Performance : 380 V 50 Hz 8P IE3

|                             |                                       |
|-----------------------------|---------------------------------------|
| Rated current : 16.1 A      | Moment of inertia (J) : 7.20 sq.ft.lb |
| LRC : 4.4                   | Duty cycle : Cont.(S1)                |
| Rated torque : 72.4 ft.lb   | Insulation class : F                  |
| Locked rotor torque : 150 % | Service factor : 1.00                 |
| Breakdown torque : 190 %    | Temperature rise : 105 K              |
| Rated speed : 725 rpm       | Design : B                            |

Heating constant

Cooling constant

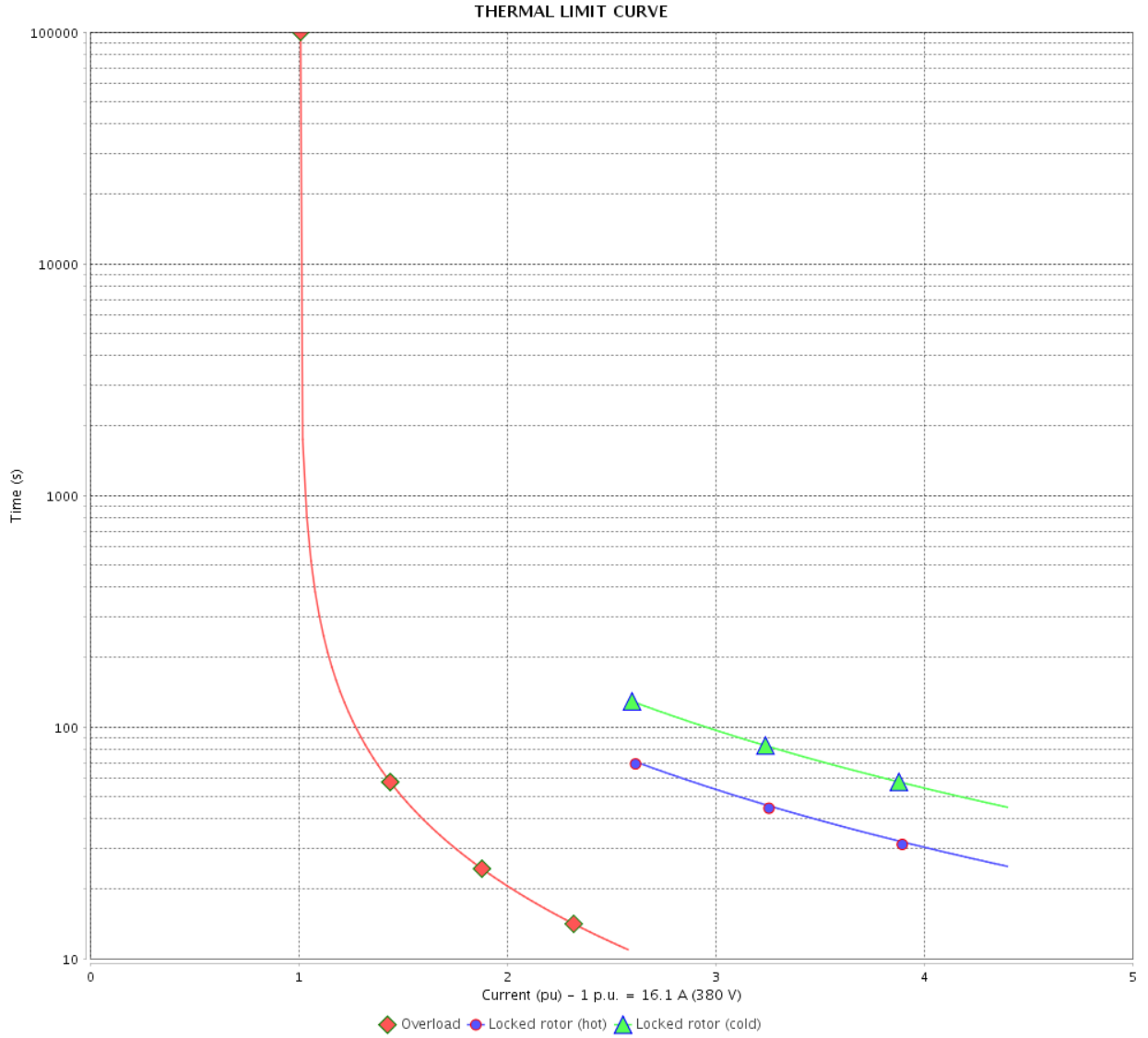
| Rev.         | Changes Summary | Performed | Checked         | Date     |
|--------------|-----------------|-----------|-----------------|----------|
|              |                 |           |                 |          |
| Performed by |                 |           | Page<br>12 / 21 | Revision |
| Checked by   |                 |           |                 |          |
| Date         | 12/04/2022      |           |                 |          |

# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



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



| Rev.         | Changes Summary | Performed  | Checked | Date     |
|--------------|-----------------|------------|---------|----------|
|              |                 |            |         |          |
| Performed by |                 | Page       |         | Revision |
| Checked by   |                 | 13 / 21    |         |          |
| Date         |                 | 12/04/2022 |         |          |

# THERMAL LIMIT CURVE



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase  
 Product code : 12424289  
 Catalog # : 01009ST3QIE284T-W22

Performance : 400 V 50 Hz 8P IE3

|                             |                                       |
|-----------------------------|---------------------------------------|
| Rated current : 15.3 A      | Moment of inertia (J) : 7.20 sq.ft.lb |
| LRC : 4.9                   | Duty cycle : Cont.(S1)                |
| Rated torque : 72.4 ft.lb   | Insulation class : F                  |
| Locked rotor torque : 170 % | Service factor : 1.15                 |
| Breakdown torque : 210 %    | Temperature rise : 105 K              |
| Rated speed : 725 rpm       | Design : B                            |

Heating constant

Cooling constant

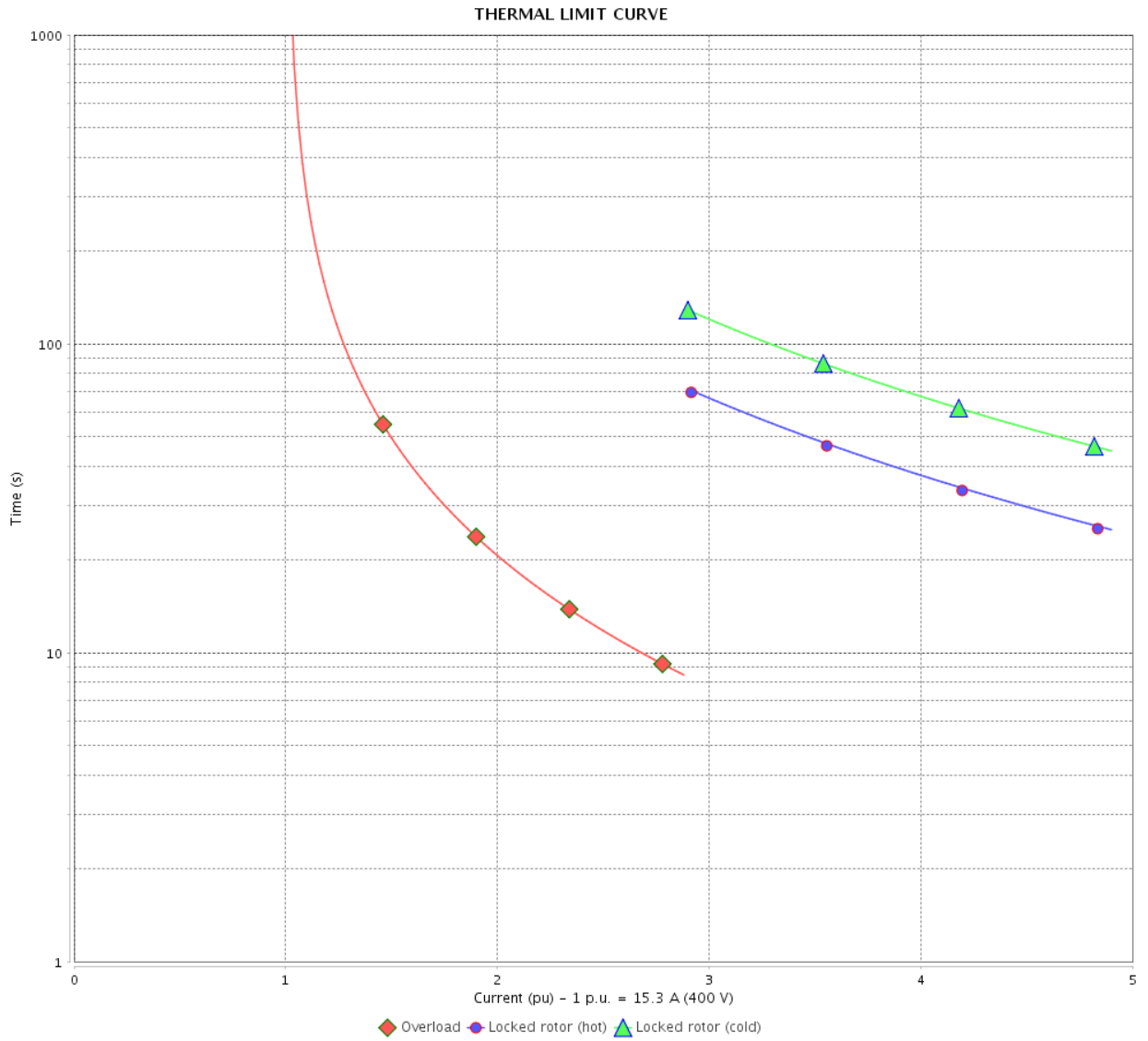
| Rev.         | Changes Summary | Performed | Checked         | Date     |
|--------------|-----------------|-----------|-----------------|----------|
|              |                 |           |                 |          |
| Performed by |                 |           | Page<br>14 / 21 | Revision |
| Checked by   |                 |           |                 |          |
| Date         | 12/04/2022      |           |                 |          |

# THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



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



| Rev.         | Changes Summary | Performed       | Checked | Date     |
|--------------|-----------------|-----------------|---------|----------|
|              |                 |                 |         |          |
| Performed by |                 | Page<br>15 / 21 |         | Revision |
| Checked by   |                 |                 |         |          |
| Date         |                 |                 |         |          |

# THERMAL LIMIT CURVE



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase  
 Product code : 12424289  
 Catalog # : 01009ST3QIE284T-W22

Performance : 415 V 50 Hz 8P IE3

|                             |                                       |
|-----------------------------|---------------------------------------|
| Rated current : 15.1 A      | Moment of inertia (J) : 7.20 sq.ft.lb |
| LRC : 5.2                   | Duty cycle : Cont.(S1)                |
| Rated torque : 71.9 ft.lb   | Insulation class : F                  |
| Locked rotor torque : 190 % | Service factor : 1.15                 |
| Breakdown torque : 229 %    | Temperature rise : 105 K              |
| Rated speed : 730 rpm       | Design : B                            |

Heating constant

Cooling constant

| Rev.         | Changes Summary | Performed | Checked         | Date     |
|--------------|-----------------|-----------|-----------------|----------|
|              |                 |           |                 |          |
| Performed by |                 |           | Page<br>16 / 21 | Revision |
| Checked by   |                 |           |                 |          |
| Date         | 12/04/2022      |           |                 |          |

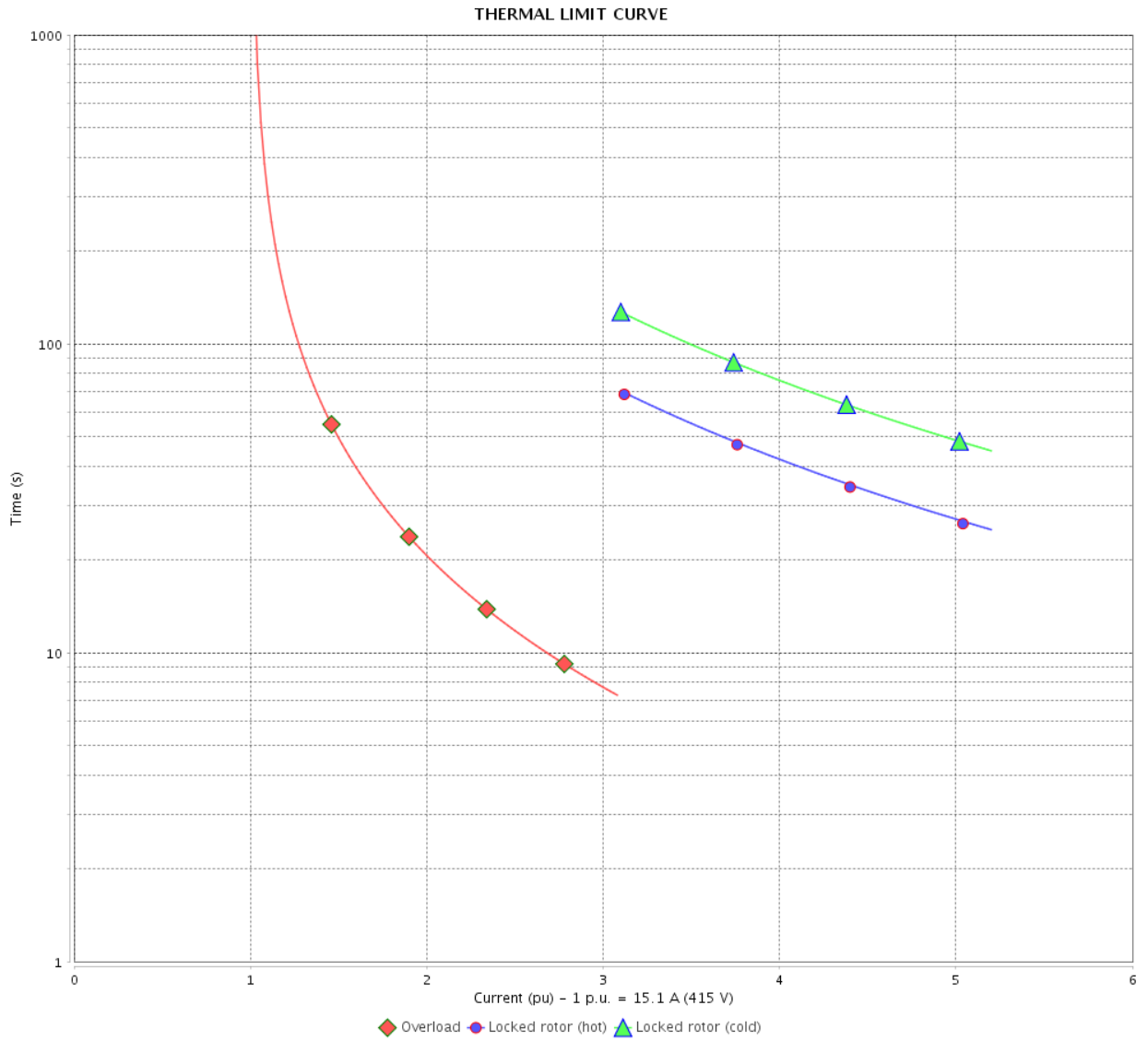


# THERMAL LIMIT CURVE

## Three Phase Induction Motor - Squirrel Cage



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



| Rev.         | Changes Summary | Performed       | Checked | Date     |
|--------------|-----------------|-----------------|---------|----------|
|              |                 |                 |         |          |
| Performed by |                 | Page<br>17 / 21 |         | Revision |
| Checked by   |                 |                 |         |          |
| Date         | 12/04/2022      |                 |         |          |

# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

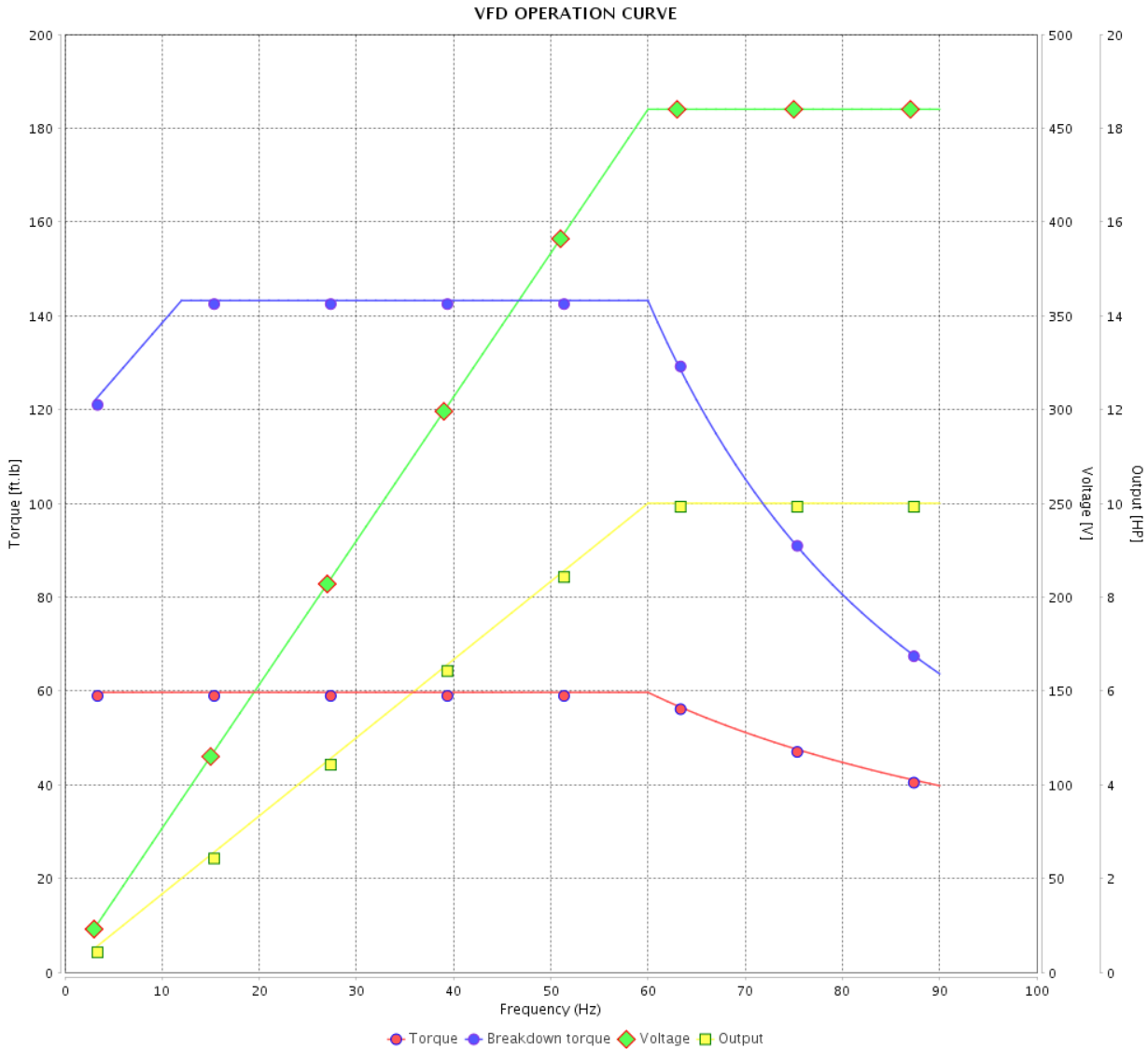


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22



Performance : 460 V 60 Hz 8P

Rated current : 13.4 A  
 LRC : 5.6  
 Rated torque : 59.7 ft.lb  
 Locked rotor torque : 200 %  
 Breakdown torque : 240 %  
 Rated speed : 880 rpm

Moment of inertia (J) : 7.20 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<br>18 / 21 | Revision |
| Checked by   |                 |           |                 |          |
| Date         | 12/04/2022      |           |                 |          |

# VFD OPERATION CURVE

## Three Phase Induction Motor - Squirrel Cage

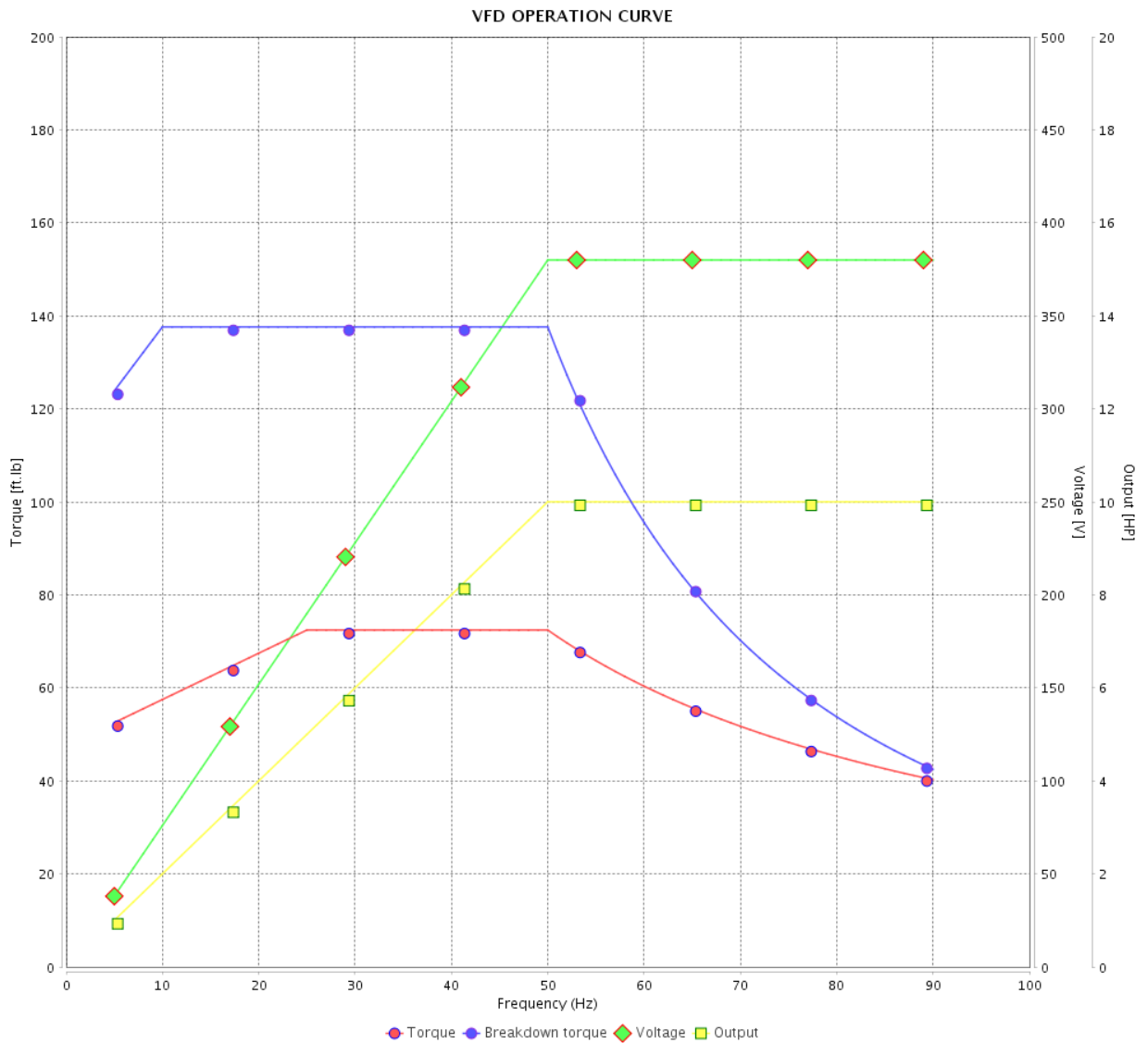


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22



Performance : 380 V 50 Hz 8P IE3

Rated current : 16.1 A  
 LRC : 4.4  
 Rated torque : 72.4 ft.lb  
 Locked rotor torque : 150 %  
 Breakdown torque : 190 %  
 Rated speed : 725 rpm

Moment of inertia (J) : 7.20 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     |
|--------------|-----------------|-----------|---------|----------|
|              |                 |           |         |          |
| Performed by |                 | Page      |         | Revision |
| Checked by   |                 | 19 / 21   |         |          |
| Date         | 12/04/2022      |           |         |          |

# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



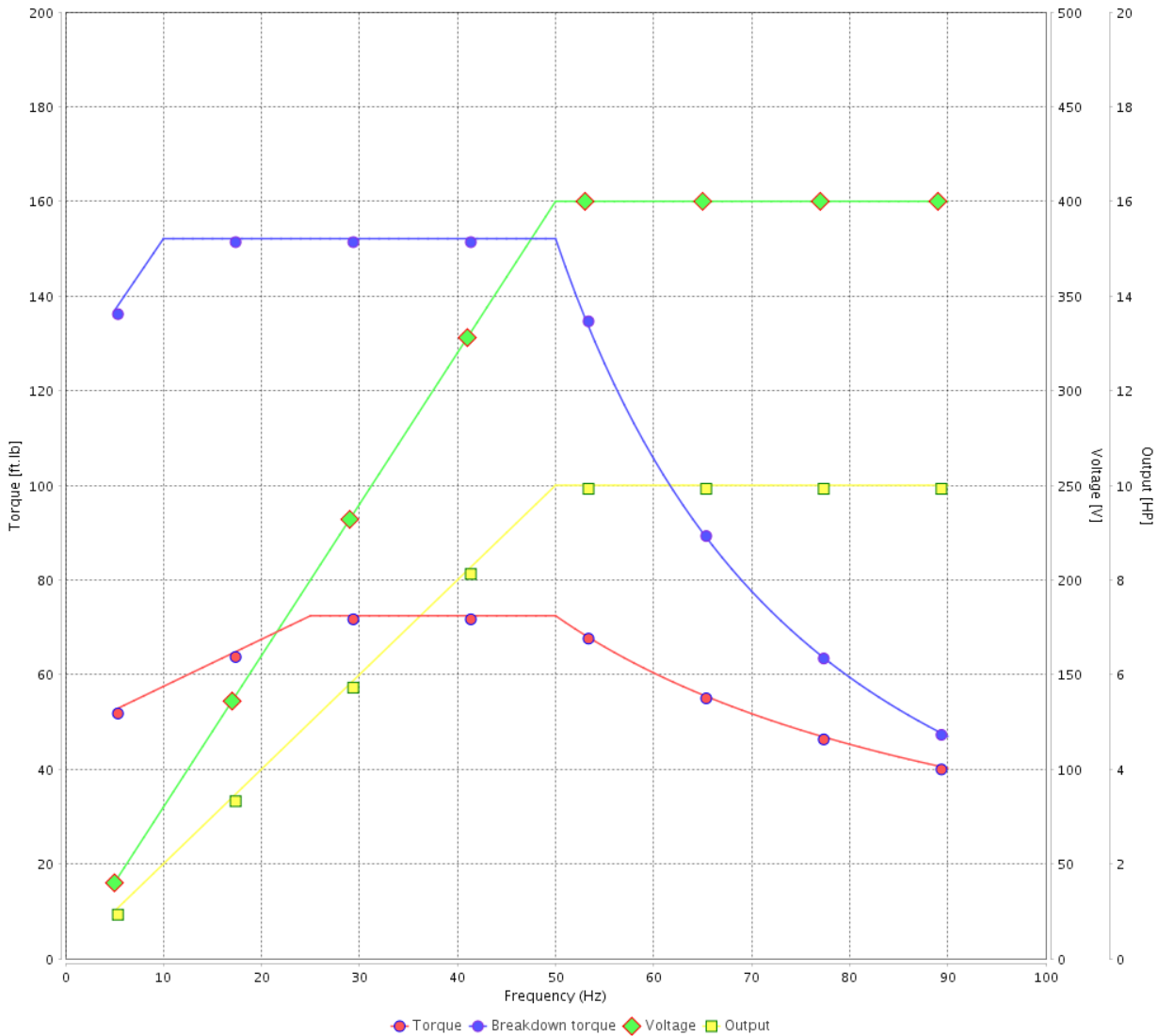
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22

VFD OPERATION CURVE



Performance : 400 V 50 Hz 8P IE3

|                     |              |                       |                 |
|---------------------|--------------|-----------------------|-----------------|
| Rated current       | : 15.3 A     | Moment of inertia (J) | : 7.20 sq.ft.lb |
| LRC                 | : 4.9        | Duty cycle            | : Cont.(S1)     |
| Rated torque        | : 72.4 ft.lb | Insulation class      | : F             |
| Locked rotor torque | : 170 %      | Service factor        | : 1.15          |
| Breakdown torque    | : 210 %      | Temperature rise      | : 105 K         |
| Rated speed         | : 725 rpm    | Design                | : B             |

| Rev.         | Changes Summary | Performed | Checked         | Date     |
|--------------|-----------------|-----------|-----------------|----------|
|              |                 |           |                 |          |
| Performed by |                 |           | Page<br>20 / 21 | Revision |
| Checked by   |                 |           |                 |          |
| Date         | 12/04/2022      |           |                 |          |

# VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

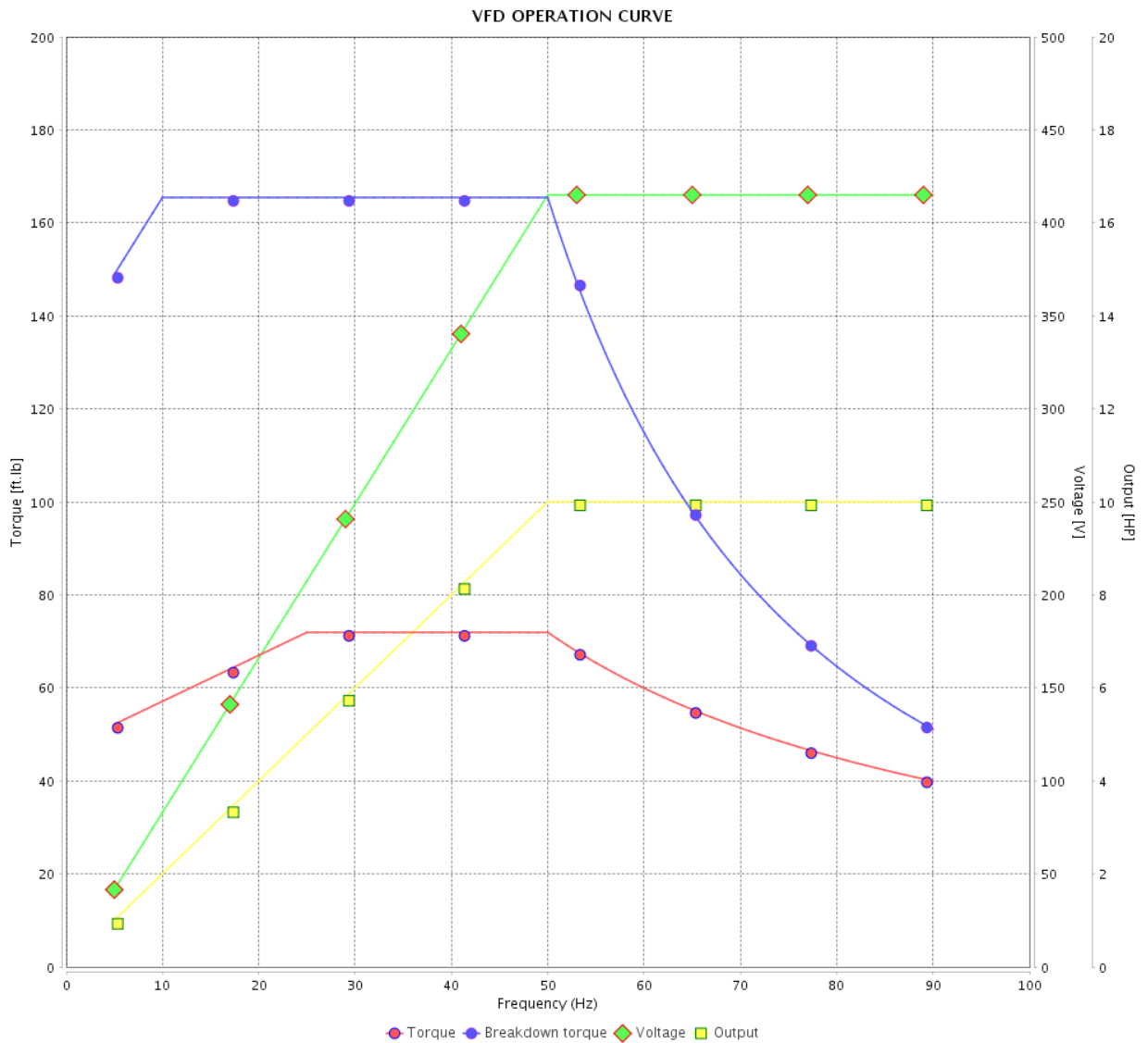


Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12424289

Catalog # : 01009ST3QIE284T-W22



Performance : 415 V 50 Hz 8P IE3

Rated current : 15.1 A  
 LRC : 5.2  
 Rated torque : 71.9 ft.lb  
 Locked rotor torque : 190 %  
 Breakdown torque : 229 %  
 Rated speed : 730 rpm

Moment of inertia (J) : 7.20 sq.ft.lb  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 105 K  
 Design : B

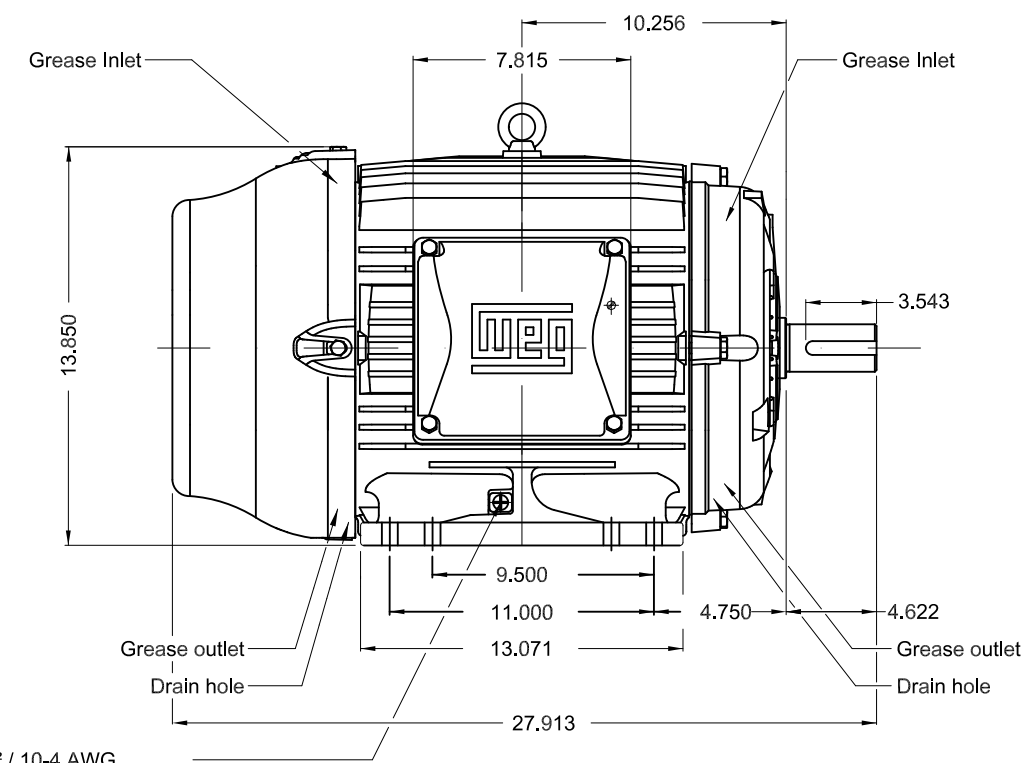
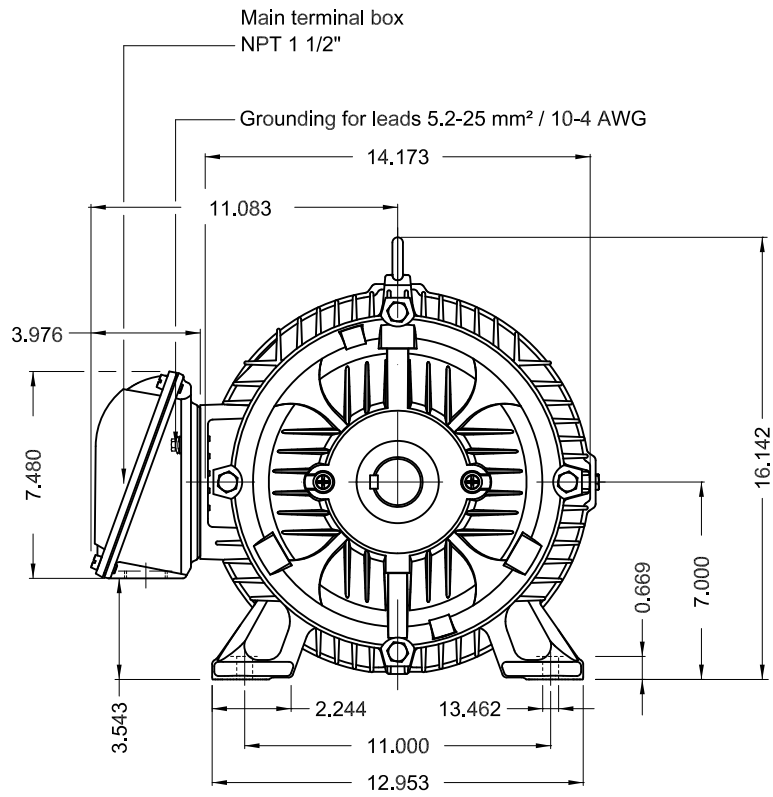
| Rev.         | Changes Summary | Performed | Checked | Date     |
|--------------|-----------------|-----------|---------|----------|
|              |                 |           |         |          |
| Performed by |                 | Page      |         | Revision |
| Checked by   |                 | 21 / 21   |         |          |
| Date         | 12/04/2022      |           |         |          |

1 2 3 4 5 6

A

B

C

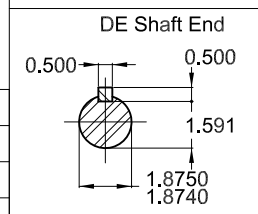


Grounding for leads 5.2-25 mm² / 10-4 AWG

D

E

Without vertical jackscrews  
 Color RAL 5009  
 Painting plan 202E  
 Mounting B3R(D)



10 HP 08 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 284/6T IP55 TEFC                  |                     |         |          |      |     |
| RELEASED |           |   |                     |         |          |      |     |
| REL DT.  | WMO       | Jaragua do Sul                          | Product Engineering | SHEET   | 1 / 1    |      |     |

PREVIEW  
 WDD





**NEMA**  
Premium  
W22



FOR SAFE AREA  
Mod.TE1BFOXON  
CC029A



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, 1.00SF - T3A

MODEL 01009ST3QIE284T-W22



Inverter Duty Motor  
Severe Duty

MADE IN BRAZIL  
12424289

PH3 60Hz Fr. 284/6T 1000m.a.s.l. IP55 TEFC 365lb

V 460

A 13.4

HP 10

kW 7.5

SF 1.25

SFA 16.8

RPM 880

PF 0.78

AMB 40°C

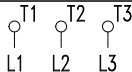
INS cl. F DT80K

NEMA NOM EFF 90.2%

DUTY CONT.

DES B Code G

GUARANT. EFF 88.5%



460V



→ 6311-C3 (18g) 55BC03X30

→ 6211-C3 (11g) 55BC02X30



MOBIL POLYREX EM (20000h)

