DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-

Product code: 11584447

Catalog #: 15018ST3QIERB445T-W2

Frame : 444/5T

Insulation class

Duty cycle : Cont.(S1) : -20°C to +40°C Ambient temperature

Altitude Protection degree : IP55

Rotation¹ Starting method

: 1000 m.a.s.l. Approx. weight³ Moment of inertia (J)

Cooling method

Mounting

: IC411 - TEFC : F-1

> : Both (CW and CCW) : Direct On Line

: 1873 lb

: 66.7 sq.ft.lb

| Design | | : B | | | | | | |
|--------------------------|-------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Output [HP] | | 150 | 125 | 125 | 125 | 150 | 150 | 150 |
| Poles | | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Frequency [Hz] | | 60 | 50 | 50 | 50 | 50 | 50 | 50 |
| Rated voltage [V] | | 460 | 380 | 400 | 415 | 380 | 400 | 415 |
| Rated current [A] | | 170 | 170 | 163 | 159 | 205 | 194 | 189 |
| L. R. Amperes [A] | | 1122 | 1189 | 1127 | 1192 | 1189 | 1125 | 1191 |
| LRC [A] | | 6.6x(Code | 7.0x(Code | 6.9x(Code | 7.5x(Code H) | 5.8x(Code F) | 5.8x(Code F) | 6.3x(Code |
| | | G) | G) | G) | | | | G) |
| No load current [A |] | 58.0 | 58.0 | 61.2 | 64.0 | 58.0 | 61.2 | 64.0 |
| Rated speed [RPI | / 1] | 1780 | 1480 | 1480 | 1480 | 1475 | 1475 | 1480 |
| Slip [%] | | 1.11 | 1.33 | 1.33 | 1.33 | 1.67 | 1.67 | 1.33 |
| Rated torque [ft.lb] | | 443 | 444 | 444 | 444 | 534 | 534 | 532 |
| Locked rotor torqu | e [%] | 200 | 190 | 220 | 229 | 160 | 180 | 190 |
| Breakdown torque | [%] | 250 | 240 | 260 | 290 | 200 | 220 | 240 |
| Service factor | | 1.15 | 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 | | 48s (cold) 27s (hot) | 32s (cold) 18s (hot) |
| Noise level ² | | 73.0 dB(A) | 69.0 dB(A) |
| | 25% | 95.3 | 95.1 | 95.1 | 94.6 | 95.6 | 95.6 | 95.3 |
| Efficiency (%) | 50% | 95.4 | 95.1 | 95.1 | 94.8 | 95.4 | 95.4 | 95.4 |
| Efficiency (70) | 75% | 95.8 | 95.5 | 95.5 | 95.5 | 95.4 | 95.4 | 95.4 |
| | 100% | 95.8 | 95.3 | 95.3 | 95.5 | 95.0 | 95.0 | 95.4 |
| | 25% | 0.49 | 0.49 | 0.45 | 0.43 | 0.55 | 0.51 | 0.49 |
| Power Factor | 50% | 0.74 | 0.73 | 0.70 | 0.68 | 0.79 | 0.76 | 0.74 |
| 1 OWEI Facior | 75% | 0.82 | 0.83 | 0.81 | 0.79 | 0.85 | 0.83 | 0.82 |
| | 100% | 0.85 | 0.86 | 0.85 | 0.84 | 0.86 | 0.86 | 0.85 |

Drive end NU-319 C3

Non drive end 6316 C3

Foundation loads

Bearing type Sealing

Inpro/Seal Inpro/Seal Lubrication interval 5000 h 10000 h

Lubricant amount 45 g 34 g Mobil Polyrex EM Lubricant type

Max. traction : 2469 lb Max. compression : 4341 lb

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 |
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Three Phase Induction Motor - Squirrel Cage

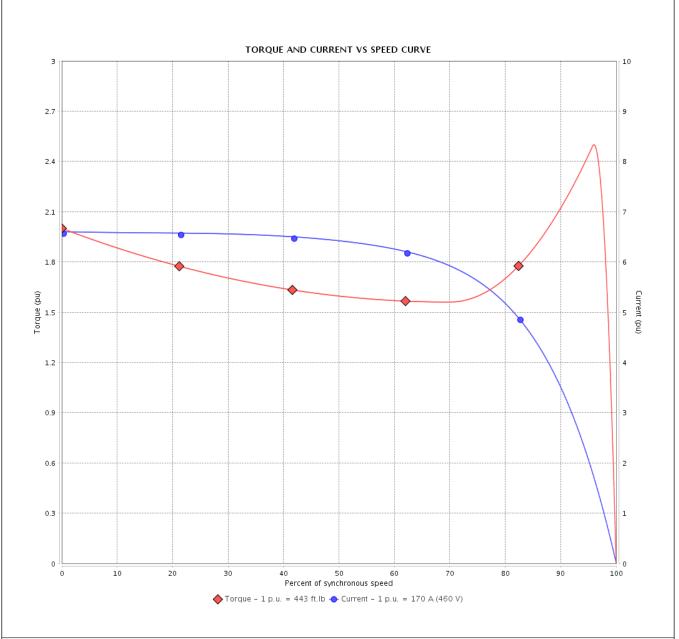


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11584447

Phase

Catalog #: 15018ST3QIERB445T-W2



| Performance | : 460 V 60 Hz 4P | | | |
|---|---------------------------------|---|---------------------------------------|--|
| Rated current LRC | : 170 A : 6.6 : 443 ft.lb | Moment of inertia (J) Duty cycle Insulation class | : 66.7 sq.ft.lb : Cont.(S1) : F | |
| Rated torque Locked rotor torque Breakdown torque | : 200 % : 250 % | Service factor Temperature rise | . г : 1.15 : 80 К | |
| Rated speed | : 1780 rpm | Design | : B | |
| Looked roter time | : 49a (aald) 27a (bat) | | | |

Locked rotor time : 48s (cold) 27s (hot)

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Three Phase Induction Motor - Squirrel Cage

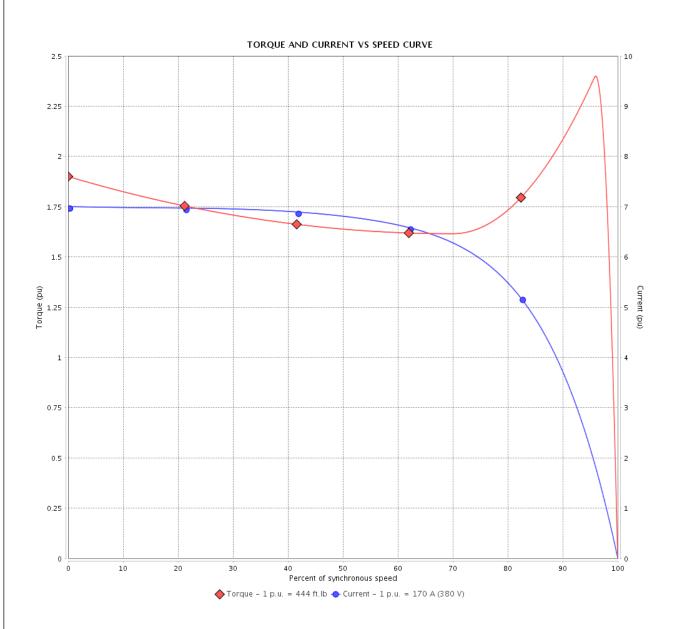


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11584447

Phase

Catalog #: 15018ST3QIERB445T-W2



| Performance | : 380 V 50 Hz 4P IE3 | | |
|---------------------|----------------------|-----------------------|-----------------|
| Rated current | : 170 A | Moment of inertia (J) | : 66.7 sq.ft.lb |
| LRC | : 7.0 | Duty cycle | : Cont.(S1) |
| Rated torque | : 444 ft.lb | Insulation class | : F |
| Locked rotor torque | : 190 % | Service factor | : 1.00 |
| Breakdown torque | : 240 % | Temperature rise | : 80 K |
| Rated speed | : 1480 rpm | Design | : B |
| Rated speed | : 1480 rpm | Design | : B |

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Three Phase Induction Motor - Squirrel Cage



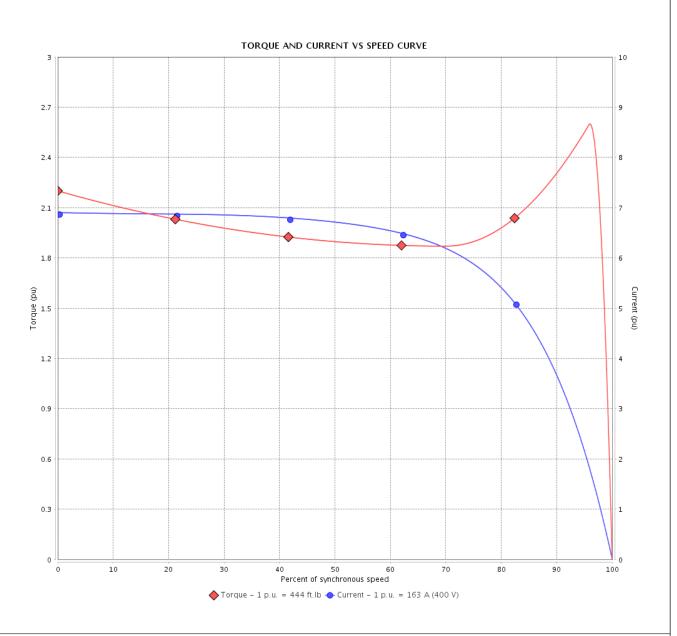
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 15018ST3QIERB445T-W2

11584447



Performance : 400 V 50 Hz 4P IE3 Rated current : 163 A Moment of inertia (J) : 66.7 sq.ft.lb **LRC** : 6.9 Duty cycle : Cont.(S1) Insulation class Rated torque : 444 ft.lb : F Locked rotor torque : 220 % Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1480 rpm Design : B

| Rev. | | Changes Summary | Performed | Checked | Date |
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Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 11584447 Catalog #: 15018ST3QIERB445T-W2 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 1.8 Torque (pu) 1.2 0.6 40 50 -Percent of synchronous speed ◆ Torque - 1 p.u. = 444 ft.lb ◆ Current - 1 p.u. = 159 A (415 V)

| LRC Rated torque Locked rotor torc Breakdown torqu Rated speed Locked rotor time | lue : 22 le : 29 : 14 | 5 4 ft.lb 9 % 0 % 80 rpm 2s (cold) 18s (ho | Duty cycle Insulation Service fa Temperatu Design | class ctor | : Cont.(\$1) : F : 1.00 : 80 K : B | |
|--|-----------------------------|---|---|---------------|--|----------|
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Moment of inertia (J)

: 66.7 sq.ft.lb

: 415 V 50 Hz 4P IE3

: 159 A

Performance

Rated current

Three Phase Induction Motor - Squirrel Cage



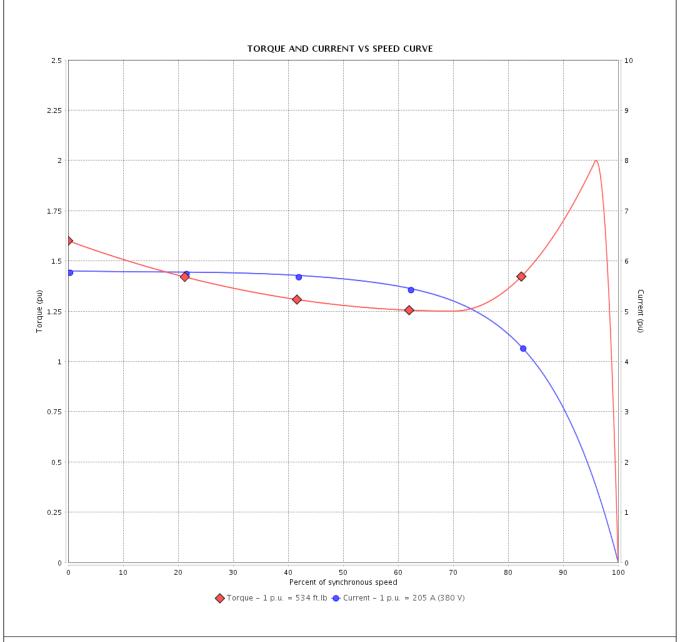
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11584447

Catalog #: 15018ST3QIERB445T-W2



Performance : 380 V 50 Hz 4P IE2 Rated current : 205 A Moment of inertia (J) : 66.7 sq.ft.lb **LRC** : 5.8 Duty cycle : Cont.(S1) Insulation class Rated torque : 534 ft.lb : F Service factor Locked rotor torque : 160 % : 1.00 Breakdown torque : 200 % Temperature rise : 105 K Rated speed : 1475 rpm Design : B

| Rev. | | Changes Summary | Performed | Checked | Date |
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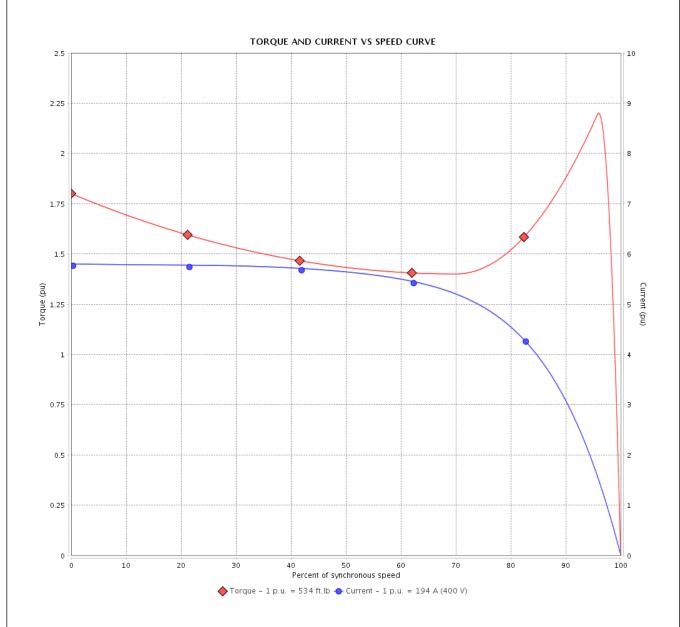
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11584447

Catalog #: 15018ST3QIERB445T-W2



| Performance | : 400 V 50 Hz 4P IE2 | | |
|---------------------|------------------------|-----------------------|-----------------|
| Rated current | : 194 A | Moment of inertia (J) | : 66.7 sq.ft.lb |
| LRC | : 5.8 | Duty cycle | : Cont.(S1) |
| Rated torque | : 534 ft.lb | Insulation class | : F |
| Locked rotor torque | : 180 % | Service factor | : 1.00 |
| Breakdown torque | : 220 % | Temperature rise | : 105 K |
| Rated speed | : 1475 rpm | Design | : B |
| Locked rotor time | : 32s (cold) 18s (hot) | | |

| | | 20 (00.0) 100 (1.00) | | | |
|--------------|------------|----------------------|-----------|---------|----------|
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Three Phase Induction Motor - Squirrel Cage



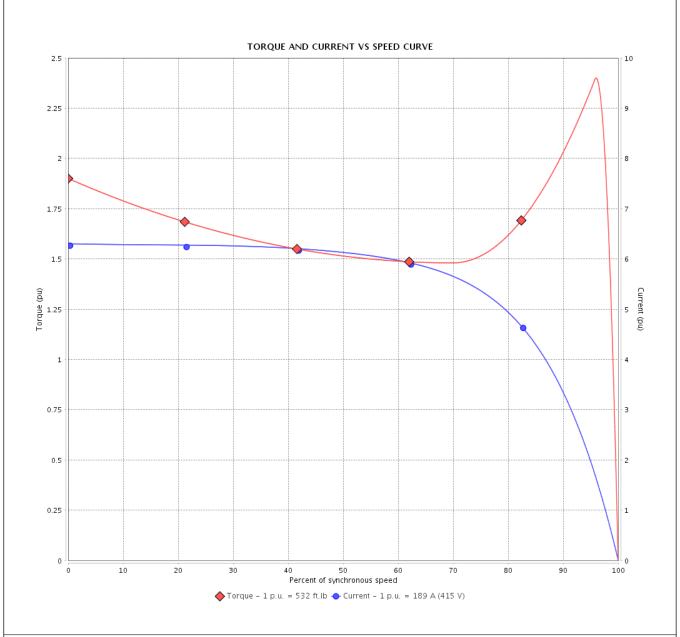
Customer :

Product line : NEMA Premium Efficiency Three- P

Phase

Product code: 11584447

Catalog #: 15018ST3QIERB445T-W2



Performance : 415 V 50 Hz 4P IE3 Rated current : 189 A Moment of inertia (J) : 66.7 sq.ft.lb **LRC** : 6.3 Duty cycle : Cont.(S1) Insulation class Rated torque : 532 ft.lb : F Locked rotor torque : 190 % Service factor : 1.00 Breakdown torque : 240 % Temperature rise : 105 K Rated speed : 1480 rpm Design : B

| Rev. | | Changes Summary | Performed | Checked | Date |
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Three Phase Induction Motor - Squirrel Cage

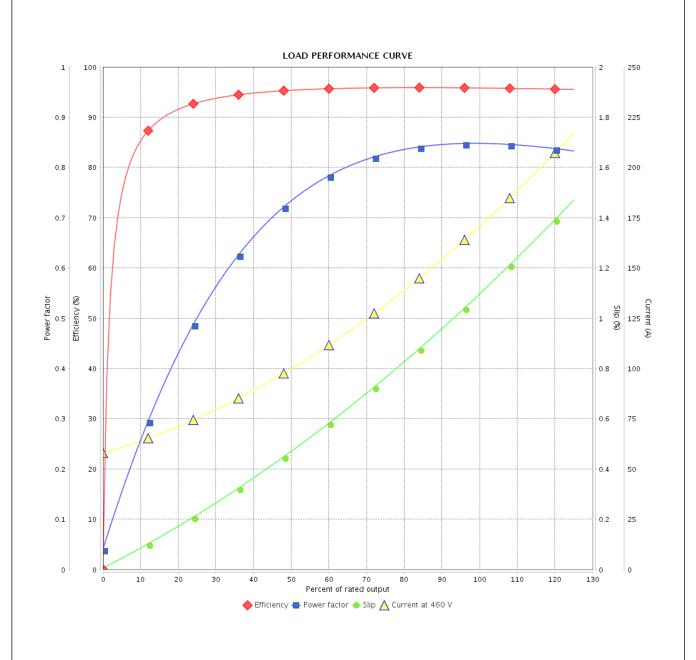


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11584447

Phase

Catalog #: 15018ST3QIERB445T-W2



| Performance | rmance : 460 V 60 Hz 4P | | | | | |
|---------------------|-------------------------|---------------|------------|------------------|-----------------|----------|
| Rated current | : 1 | 70 A | Moment o | f inertia (J) | : 66.7 sq.ft.lb | |
| LRC | : 6 | .6 | Duty cycle | ; | : Cont.(S1) | |
| Rated torque | : 4 | 43 ft.lb | Insulation | class | : F | |
| Locked rotor torque | e : 2 | 00 % | Service fa | ctor | : 1.15 | |
| Breakdown torque | : 2 | 50 % | Temperati | Temperature rise | | |
| Rated speed | : 1 | 780 rpm | Design | | : B | |
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Three Phase Induction Motor - Squirrel Cage



Customer :

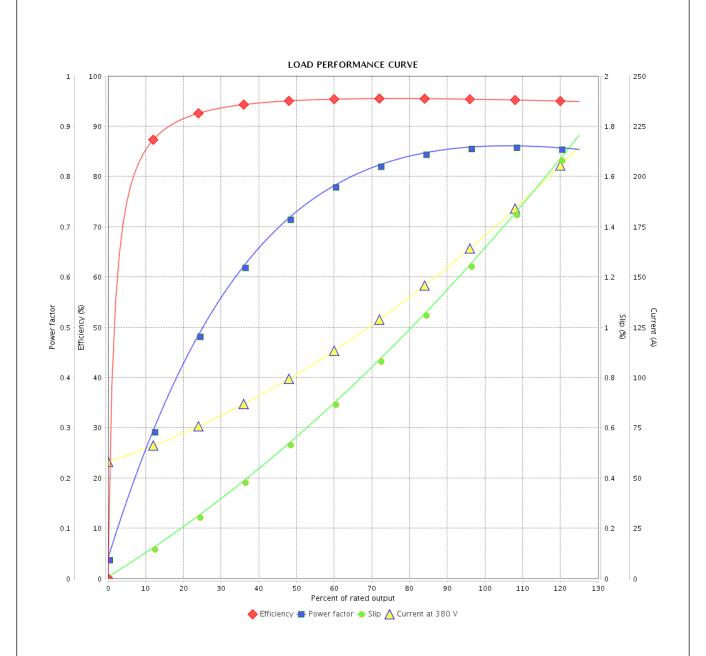
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 15018ST3QIERB445T-W2

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11584447



| Performance | : 380 V 50 Hz 4P IE3 | | | | |
|--|---|--|-----------|--|----------|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 170 A : 7.0 : 444 ft.lb : 190 % : 240 % : 1480 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design | | : 66.7 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B | |
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Three Phase Induction Motor - Squirrel Cage

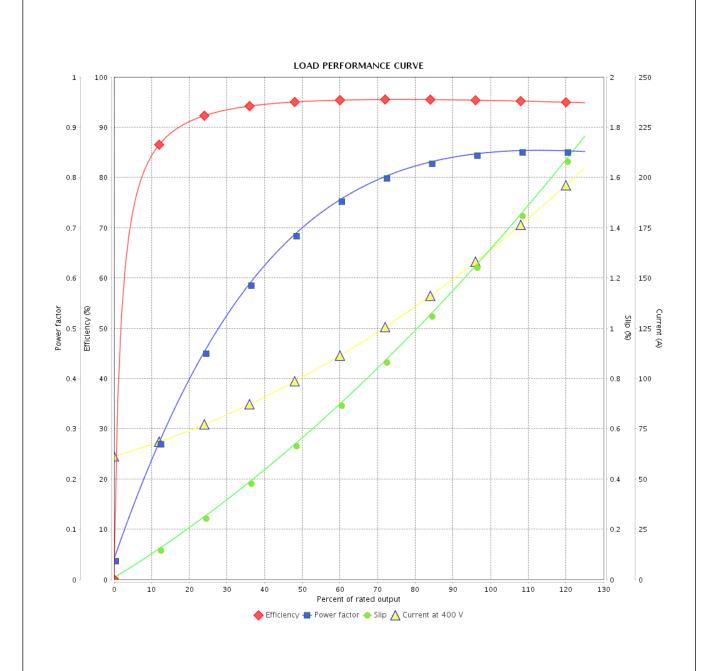


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11584447

Phase

Catalog #: 15018ST3QIERB445T-W2



| Performance | : 400 V 50 Hz 4P IE3 | | | | | |
|--------------------|----------------------|---------------|------------|---------------|-----------------|----------|
| Rated current | : 1 | 63 A | Moment o | f inertia (J) | : 66.7 sq.ft.lb | |
| LRC | : 6 | 3.9 | Duty cycle | ; | : Cont.(S1) | |
| Rated torque | : 4 | 144 ft.lb | Insulation | class | : F | |
| Locked rotor torqu | ie : 2 | 220 % | Service fa | ctor | : 1.00 | |
| Breakdown torque | : 2 | 260 % | Temperatu | ıre rise | : 80 K | |
| Rated speed | : 1 | 480 rpm | Design | | : B | |
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Three Phase Induction Motor - Squirrel Cage



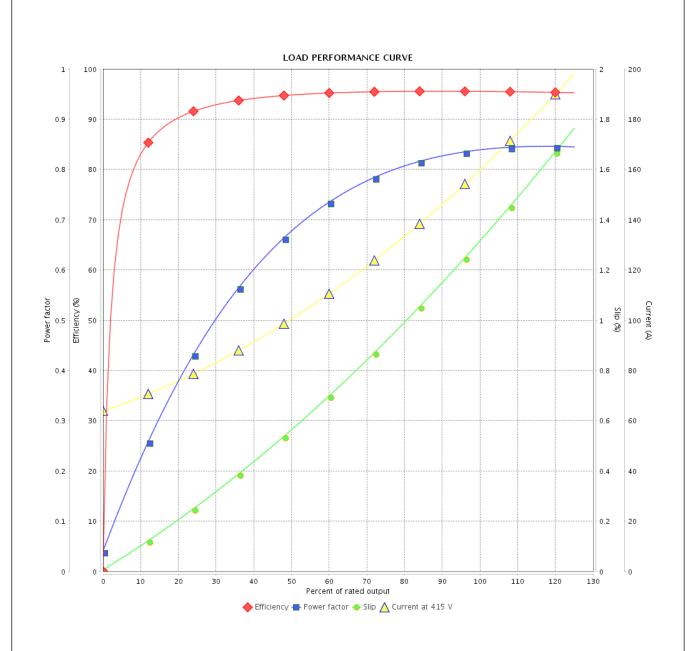
Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11584447

Phase

Catalog #: 15018ST3QIERB445T-W2

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| Performance | Lated current : 159 A Moment of iner RC : 7.5 Duty cycle ated torque : 444 ft.lb Insulation class ocked rotor torque : 229 % Service factor reakdown torque : 290 % Temperature risulated speed : 1480 rpm Design | | | |
|--|---|----------|--|----------|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | | | : 66.7 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B | |
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Three Phase Induction Motor - Squirrel Cage

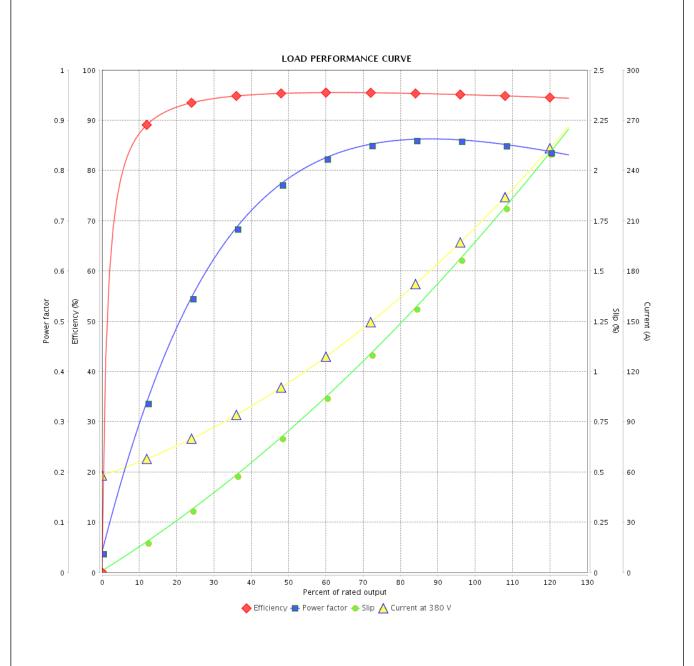


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11584447

Phase

Catalog #: 15018ST3QIERB445T-W2



| Performance | nance : 380 V 50 Hz 4P IE2 | | | | | |
|---------------------|----------------------------|-----------------|------------|---------------|-----------------|----------|
| Rated current | : | 205 A | Moment o | f inertia (J) | : 66.7 sq.ft.lb | |
| LRC | : | 5.8 | Duty cycle | ; | : Cont.(S1) | |
| Rated torque | : | 534 ft.lb | Insulation | class | : F | |
| Locked rotor torque | e : | 160 % | Service fa | ctor | : 1.00 | |
| Breakdown torque | : | 200 % | Temperati | ıre rise | : 105 K | |
| Rated speed | : | 1475 rpm | Design | | : B | |
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Three Phase Induction Motor - Squirrel Cage



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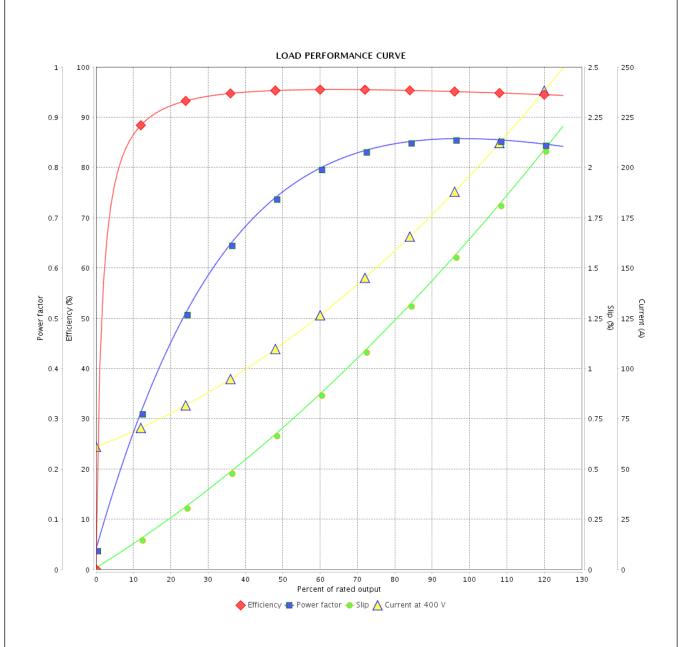
Product line : NEMA Premium Efficiency Three- F

Phase

Product code: 11584447

Catalog #: 15018ST3QIERB445T-W2

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| Performance | : 400 V 50 Hz 4P IE2 | | | | |
|---------------------|----------------------|---------------|------------|-----------------|----------|
| renormance | . 400 V 50 HZ 4F IEZ | | | | |
| Rated current | : 194 A | Moment of i | nertia (J) | : 66.7 sq.ft.lb | |
| LRC | : 5.8 | Duty cycle | | : Cont.(S1) | |
| Rated torque | : 534 ft.lb | Insulation cl | ass | : F | |
| Locked rotor torque | : 180 % | Service fact | or | : 1.00 | |
| Breakdown torque | : 220 % | Temperature | e rise | : 105 K | |
| Rated speed | : 1475 rpm | Design | | : B | |
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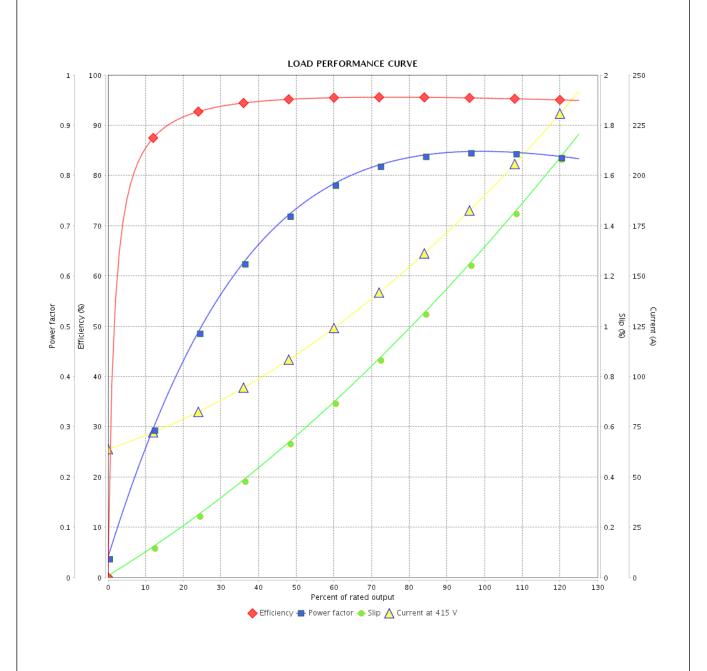


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11584447

Phase

Catalog #: 15018ST3QIERB445T-W2



| Performance | rformance : 415 V 50 Hz 4P IE3 | | | | | |
|---------------------|--------------------------------|-----------------|------------|---------------|-----------------|----------|
| Rated current | : | 189 A | Moment o | f inertia (J) | : 66.7 sq.ft.lb | |
| LRC | : | 6.3 | Duty cycle | ; | : Cont.(S1) | |
| Rated torque | : | 532 ft.lb | Insulation | class | : F | |
| Locked rotor torque |) : | 190 % | Service fa | ctor | : 1.00 | |
| Breakdown torque | : | 240 % | Temperati | ıre rise | : 105 K | |
| Rated speed | : | 1480 rpm | Design | | : B | |
| Rev. | | Changes Summary | | Performed | Checked | Date |
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Three Phase Induction Motor - Squirrel Cage

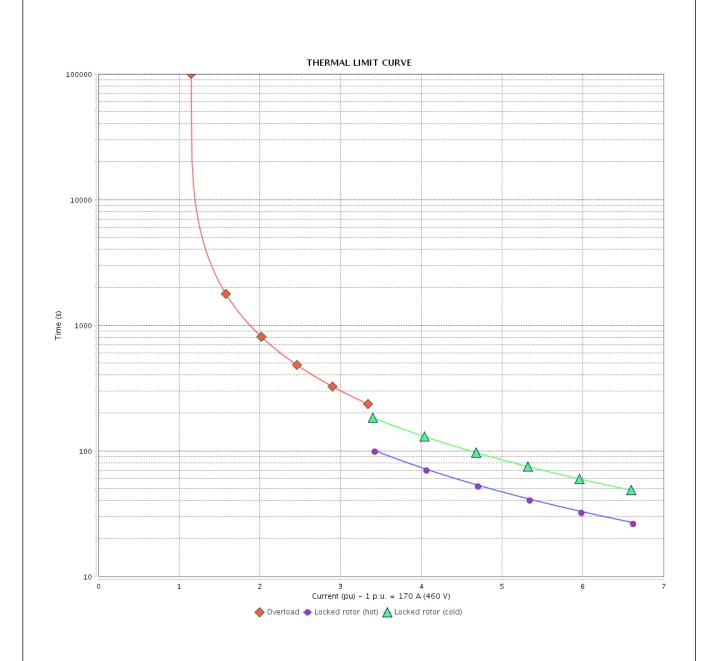


| Customer | : | | | | | |
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| Performance | | 60 V 60 Hz 4P | | | | |
| Rated current LRC | : 6. | | Duty cycle | f inertia (J) | : 66.7 sq.ft.lb : Cont.(S1) | |
| Rated torque | | 13 ft.lb 00 % | Insulation Service fa | | : F : 1.15 | |
| Locked rotor torque Breakdown torque | | 00 % 50 % | Service fa Temperati | | : 1.15 : 80 K | |
| Rated speed | | 780 rpm | Design | л с 119 с | : B | |
| Heating constant Cooling constant | | | | | | |
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Three Phase Induction Motor - Squirrel Cage



Customer



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Three Phase Induction Motor - Squirrel Cage

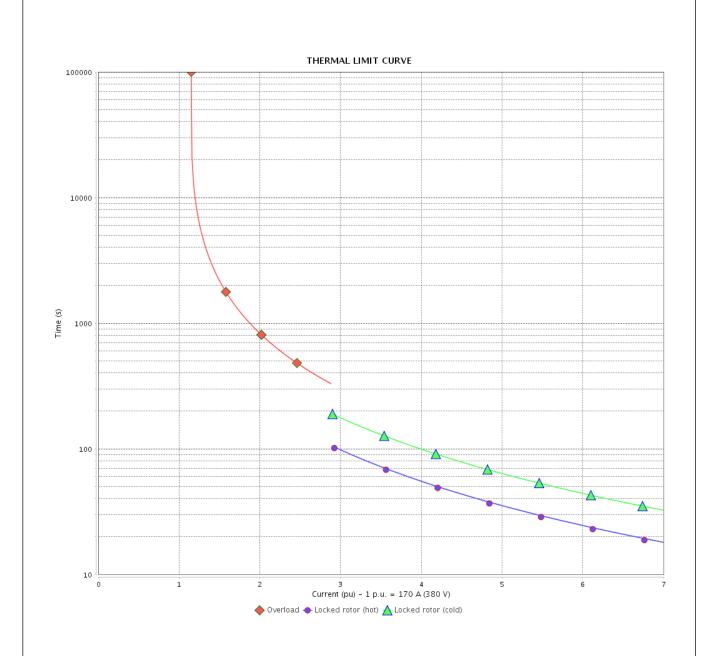


| Product line : NEMA Premium Efficiency Three-Product code : 11584447 Phase Catalog # : 15018ST3QIERB445T-V |
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| Performance : 380 V 50 Hz 4P IE3 |
| Rated current : 170 A Moment of inertia (J) : 66.7 sq.ft.lb |
| Rated current : 170 A Moment of inertia (J) : 66.7 sq.ft.lb LRC : 7.0 Duty cycle : Cont.(S1) |
| Rated current : 170 A Moment of inertia (J) : 66.7 sq.ft.lb LRC : 7.0 Duty cycle : Cont.(S1) Rated torque : 444 ft.lb Insulation class : F Locked rotor torque : 190 % Service factor : 1.00 |
| Rated current : 170 A Moment of inertia (J) : 66.7 sq.ft.lb LRC : 7.0 Duty cycle : Cont.(S1) Rated torque : 444 ft.lb Insulation class : F Locked rotor torque : 190 % Service factor : 1.00 Breakdown torque : 240 % Temperature rise : 80 K |
| Rated current : 170 A |

Three Phase Induction Motor - Squirrel Cage



Customer



| Rev. | | Changes Summary | Performed | Checked | Date |
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Three Phase Induction Motor - Squirrel Cage

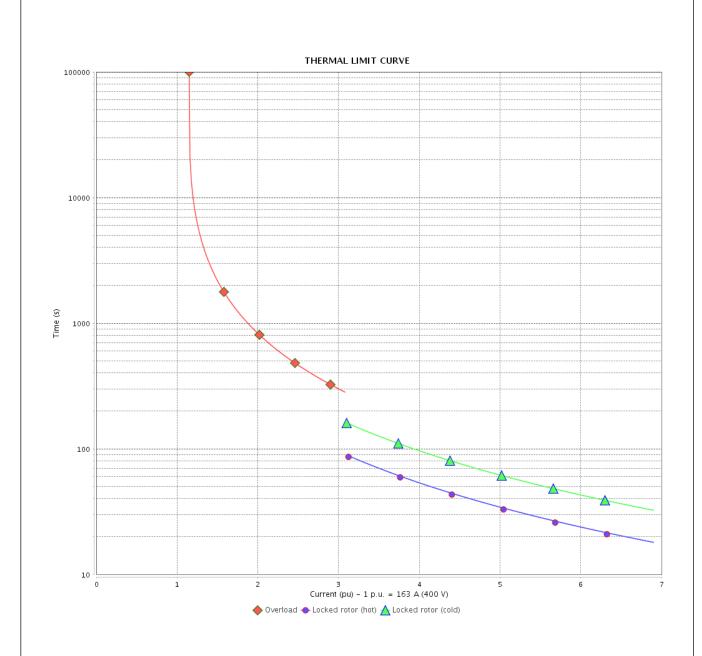


| Customer | | : | | | | |
|-----------------------------------|------------|------------------------------------|--------------------------|----------------|-----------------|-----------|
| Product line | | : NEMA Premium Efficiency Phase | Three- | Product code : | 11584447 | |
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| Performance | | : 400 V 50 Hz 4P IE3 | | | | |
| Rated current | | : 163 A | Moment of | of inertia (J) | : 66.7 sq.ft.lb | |
| LRC | | : 6.9 | Duty cycle | Э | : Cont.(S1) | |
| Rated torque Locked rotor torq | | : 444 ft.lb : 220 % | Insulation Service fa | | : F : 1.00 | |
| Breakdown torqu | е | : 260 % | Temperat | | : 80 K | |
| Rated speed | | : 1480 rpm | Design | | : B | |
| Heating constant | | | | | | |
| Cooling constant | | 01 0 | | | | |
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

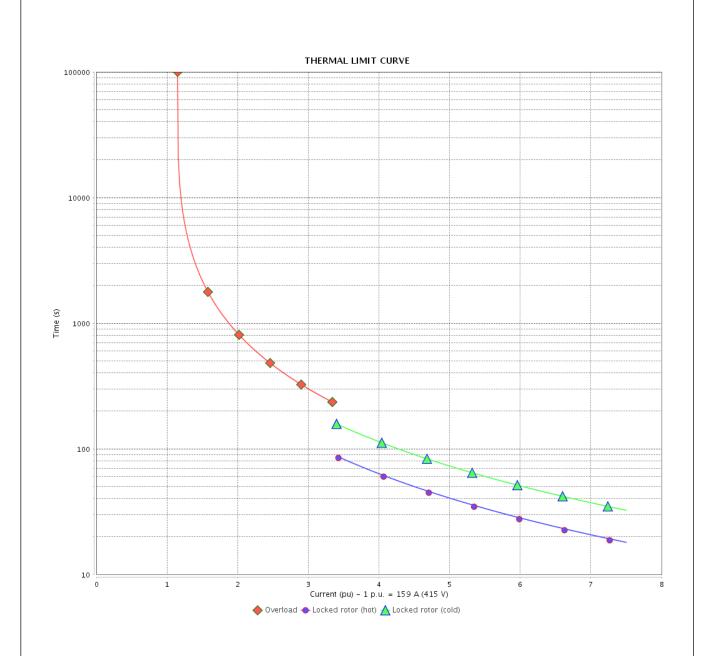


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|-----------------------------------|------------|---------------------------|--------------------------|----------------|-----------------|------------|
| Product line | | : NEMA Premium Efficiency | Three- | Product code : | 11584447 | |
| | | Phase | | Catalog # : | 15018ST3QIE | RB445T-W2 |
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| Performance | | : 415 V 50 Hz 4P IE3 | | | | |
| Rated current | | : 159 A | Moment o | of inertia (J) | : 66.7 sq.ft.lb | |
| LRC | | : 7.5 | Duty cycle | е | : Cont.(S1) | |
| Rated torque Locked rotor torc | | : 444 ft.lb : 229 % | Insulation Service fa | | : F : 1.00 | |
| Breakdown torqu | | : 290 % | Temperat | | : 80 K | |
| Rated speed | | : 1480 rpm | Design | | : B | |
| Heating constant | t | | | | | |
| Cooling constant | İ | | | | | |
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

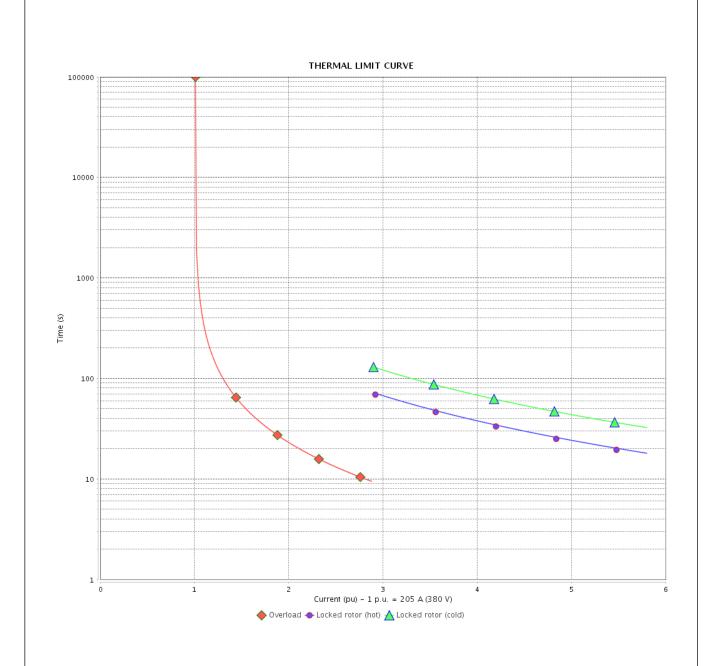


| Customer | : | | | | |
|--|---|---|-------------------------------|---|------------|
| Product line | : NEMA Premium Effici Phase | | Product code : Catalog # : | 11584447 15018ST3QIE | ERB445T-W2 |
| | | | | | |
| Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed Heating constant Cooling constant Rev. | : 380 V 50 Hz 4P IE2 : 205 A : 5.8 : 534 ft.lb : 160 % : 200 % : 1475 rpm | Moment of Duty cycle Insulation Service fa Temperate Design | class ctor | : 66.7 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K : B | Date |
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

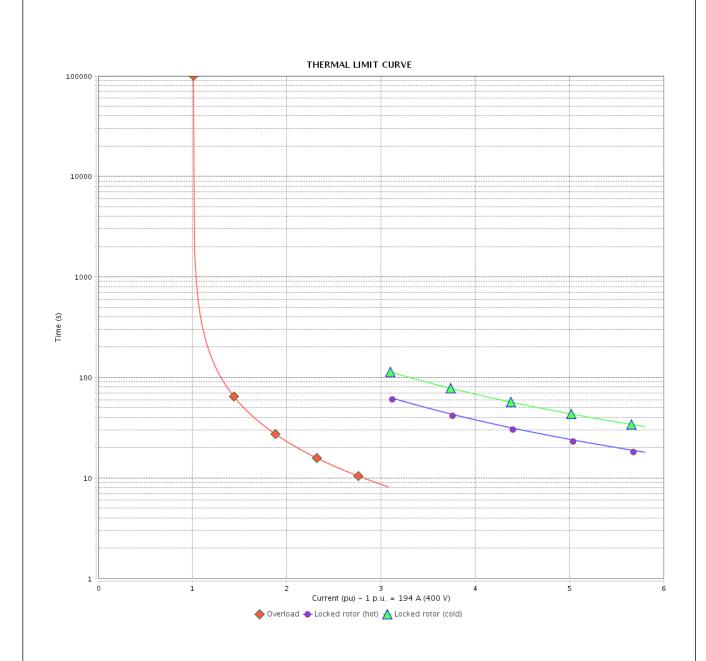


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| Product line | | : NEMA Premium Efficiency Phase | | Product code : Catalog # : | 11584447 15018ST3QIE | RB445T-W2 |
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| Performance | | : 400 V 50 Hz 4P IE2 | | | | |
| Rated current LRC | | : 194 A : 5.8 | Duty cycle | | : 66.7 sq.ft.lb : Cont.(S1) | |
| Rated torque | | : 534 ft.lb | Insulation | | : F | |
| Locked rotor tord Breakdown torqu | | : 180 % : 220 % | Service fa Temperat | | : 1.00 : 105 K | |
| Rated speed | | : 1475 rpm | Design | u. 5 1100 | : B | |
| Heating constant | | | | | | |
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

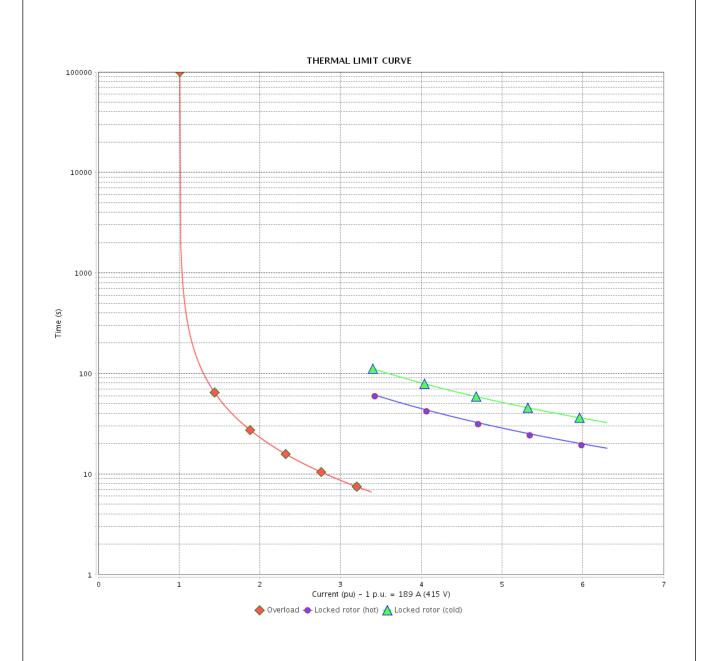


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| Product line | : NEMA Premium Efficiency Phase | | 11584447 | |
| | | Catalog #: | 15018ST3QIE | RB445T-W2 |
| | | | | |
| Performance | : 415 V 50 Hz 4P IE3 | T | | |
| Rated current LRC | : 189 A : 6.3 | Moment of inertia (J) Duty cycle | : 66.7 sq.ft.lb : Cont.(S1) | |
| Rated torque | : 532 ft.lb | Insulation class | : F | |
| Locked rotor torque | : 190 % | Service factor | : 1.00 | |
| Breakdown torque Rated speed | : 240 % : 1480 rpm | Temperature rise Design | : 105 K : B | |
| Heating constant | | | | |
| Cooling constant | | | | |
| Rev. | Changes Summary | Performed | Checked | Date |
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| Date 01/06 | /2022 | | 28 / 36 | |

Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage



Customer :

Date

01/06/2022

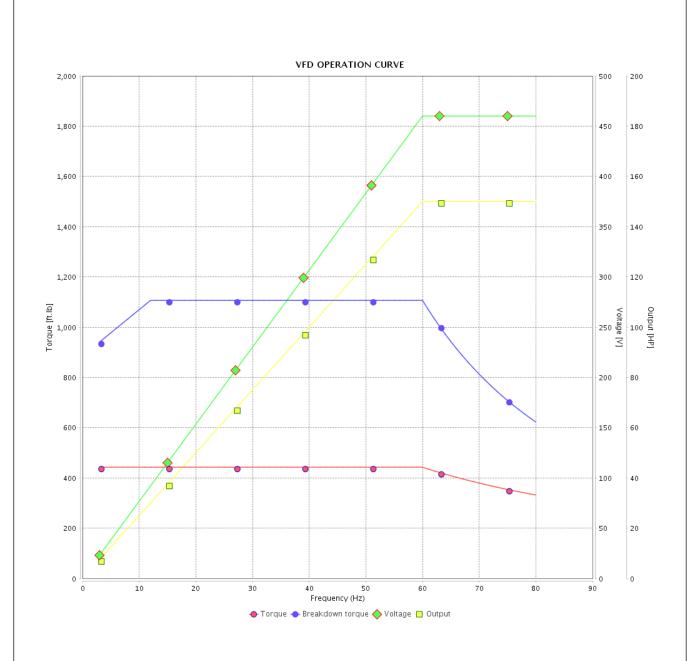
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog # : 15018ST3QIERB445T-W2

11584447

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Performance : 460 V 60 Hz 4P : 170 A Rated current Moment of inertia (J) : 66.7 sq.ft.lb **LRC** Duty cycle : 6.6 : Cont.(S1) Insulation class : 443 ft.lb : F Rated torque Locked rotor torque : 200 % Service factor : 1.15 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 1780 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

Three Phase Induction Motor - Squirrel Cage

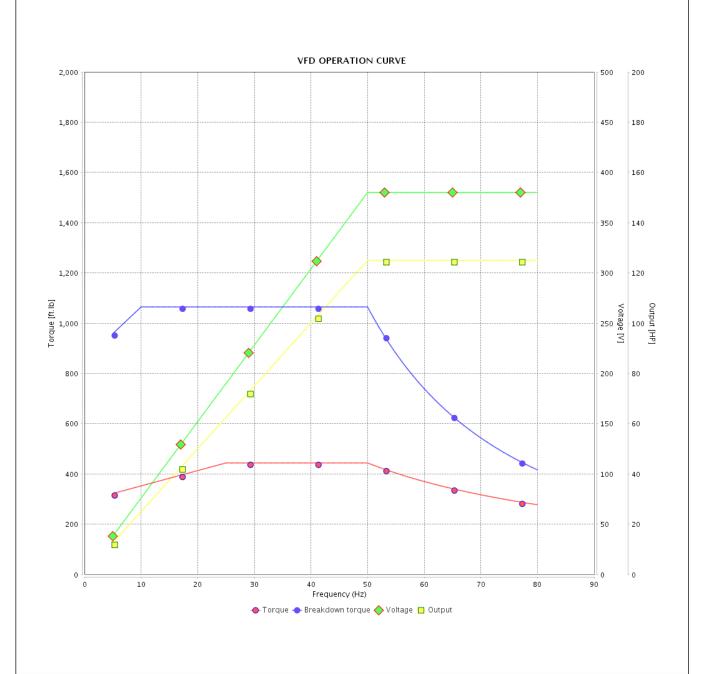


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Product line : NEMA Premium Efficiency Three- Product code : 11584447

Phase

Catalog #: 15018ST3QIERB445T-W2



| Performance | : | 380 V 50 Hz 4P IE3 | | | | |
|-------------------|------------|--------------------|------------|---------------|-----------------|----------|
| Rated current | : | 170 A | Moment o | f inertia (J) | : 66.7 sq.ft.lb | |
| LRC | : | 7.0 | Duty cycle | ; | : Cont.(S1) | |
| Rated torque | : | 444 ft.lb | Insulation | class | : F | |
| Locked rotor tord | que : | 190 % | Service fa | ctor | : 1.00 | |
| Breakdown torqu | ie : | 240 % | Temperati | ure rise | : 80 K | |
| Rated speed | : | 1480 rpm | Design | | : B | |
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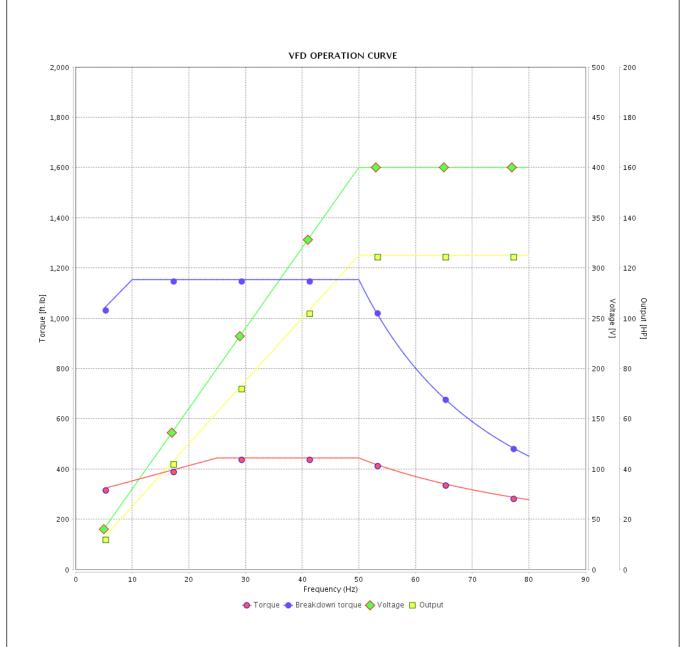
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Product line : NEMA Premium Efficiency Three- F

Phase

Product code: 11584447

Catalog #: 15018ST3QIERB445T-W2



Performance : 400 V 50 Hz 4P IE3 : 163 A Rated current Moment of inertia (J) : 66.7 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.9 : 444 ft.lb Insulation class : F Rated torque Locked rotor torque : 220 % Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1480 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage

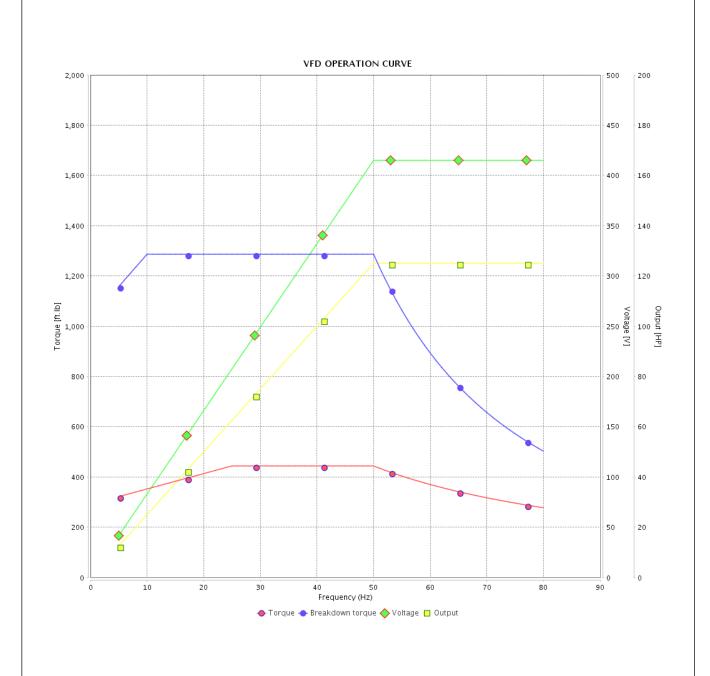


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Product line : NEMA Premium Efficiency Three- Product code : 11584447

Phase

Catalog #: 15018ST3QIERB445T-W2



| Performance | : • | 415 V 50 Hz 4P IE3 | | | | |
|--------------------|------------|--------------------|------------|---------------|-----------------|----------|
| Rated current | : | 159 A | Moment o | f inertia (J) | : 66.7 sq.ft.lb | |
| LRC | : | 7.5 | Duty cycle |) | : Cont.(S1) | |
| Rated torque | :- | 444 ft.lb | Insulation | class | : F | |
| Locked rotor torqu | ue :: | 229 % | Service fa | ctor | : 1.00 | |
| Breakdown torque | e :: | 290 % | Temperati | ıre rise | : 80 K | |
| Rated speed | : | 1480 rpm | Design | | : B | |
| Rev. | | Changes Summary | | Performed | Checked | Date |
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Three Phase Induction Motor - Squirrel Cage



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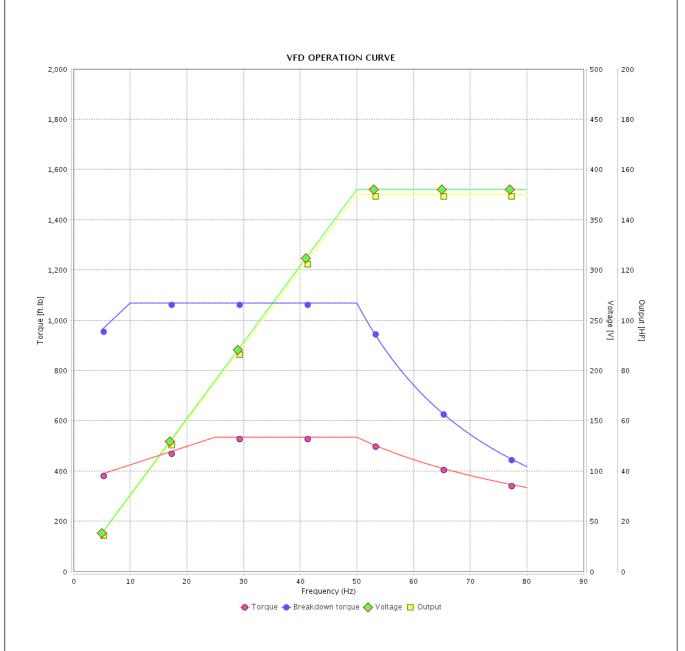
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Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11584447

Catalog #: 15018ST3QIERB445T-W2



Performance : 380 V 50 Hz 4P IE2 : 205 A Rated current Moment of inertia (J) : 66.7 sq.ft.lb **LRC** : 5.8 Duty cycle : Cont.(S1) : 534 ft.lb Insulation class : F Rated torque Locked rotor torque : 160 % Service factor : 1.00 Breakdown torque : 200 % Temperature rise : 105 K Rated speed : 1475 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

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Three Phase Induction Motor - Squirrel Cage

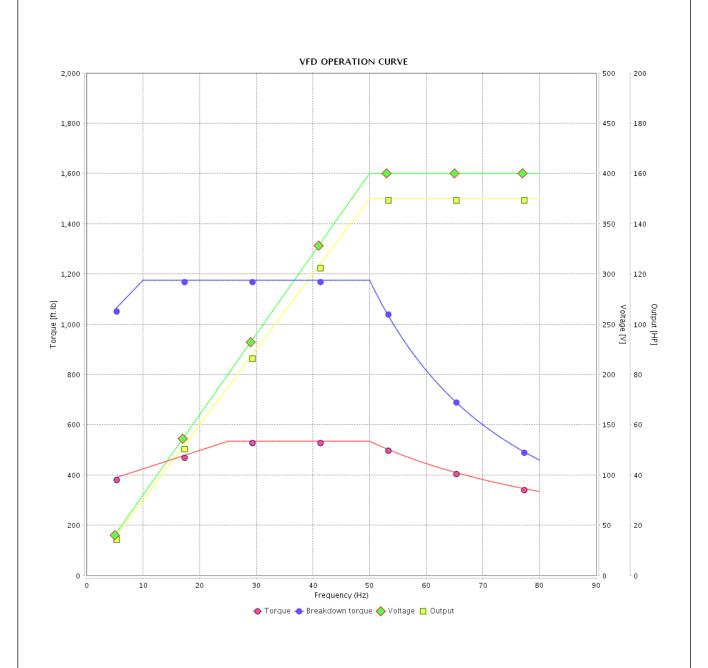


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Product line : NEMA Premium Efficiency Three- Product code : 11584447

Phase

Catalog #: 15018ST3QIERB445T-W2



| Performance | : 40 | 00 V 50 Hz 4P IE2 | | | | |
|--------------------|------------|-------------------|--------------------|---------------|-----------------|----------|
| Rated current | : 1 | : 194 A Momen | | f inertia (J) | : 66.7 sq.ft.lb | |
| LRC | : 5 | .8 | Duty cycle | ; | : Cont.(S1) | |
| Rated torque | : 53 | 34 ft.lb | Insulation | class | : F | |
| Locked rotor torqu | ie : 18 | 80 % | Service fa | ctor | : 1.00 | |
| Breakdown torque | : 2 | 20 % | % Temperature rise | | : 105 K | |
| Rated speed | : 14 | 475 rpm | Design | | : B | |
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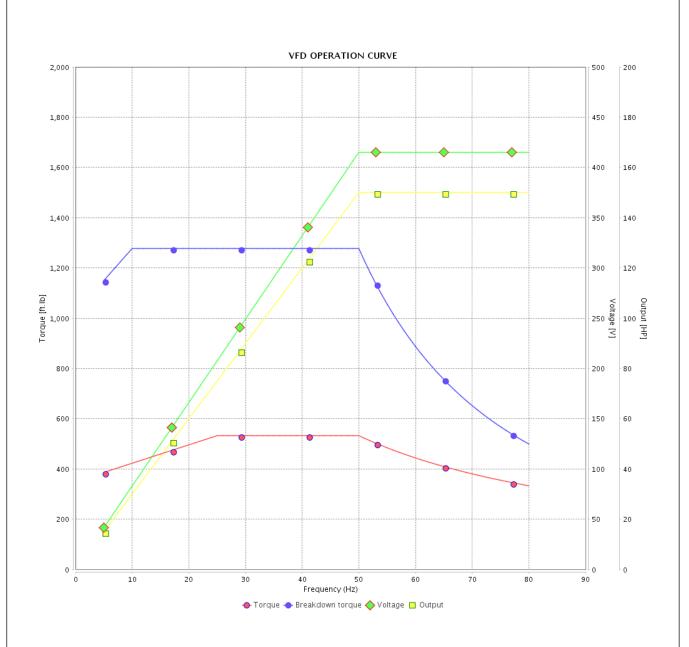
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Product line : NEMA Premium Efficiency Three- Product line : NEMA Pr

Phase

Product code: 11584447

Catalog #: 15018ST3QIERB445T-W2



Performance : 415 V 50 Hz 4P IE3 : 189 A Rated current Moment of inertia (J) : 66.7 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.3 Insulation class : 532 ft.lb : F Rated torque Locked rotor torque : 190 % Service factor : 1.00 Breakdown torque : 240 % Temperature rise : 105 K Rated speed : 1480 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

