DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three-Product code: 12424291

Catalog #: 01512ST3QIE284TC-W22

Frame : 284/6TC Cooling method : IC411 - TEFC

Insulation class Mounting : F-1

Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW)

Ambient temperature : -20°C to +40°C Starting method : Direct On Line

| Altitude | | : 1000 m.a. | s.l. | Approx | weight³ | : 4 | 30 lb | |
|--------------------------|-------|-------------|--------------|--------------|-------------------|--------------|--------------|--------------|
| Protection degree | е | : IP55 | | Momer | nt of inertia (J) | : 7 | .85 sq.ft.lb | |
| Design | | : B | | | | | | |
| Output [HP] | | 15 | 10 | 10 | 10 | 15 | 15 | 15 |
| Poles | | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Frequency [Hz] | | 60 | 50 | 50 | 50 | 50 | 50 | 50 |
| Rated voltage [V] | | 460 | 380 | 400 | 415 | 380 | 400 | 415 |
| Rated current [A] | | 17.9 | 15.5 | 15.1 | 14.9 | 22.0 | 20.9 | 20.2 |
| L. R. Amperes [A] | | 115 | 112 | 119 | 124 | 103 | 111 | 115 |
| LRC [A] | | 6.4x(Code | 7.2x(Code J) | 7.9x(Code K) | 8.3x(Code K) | 4.7x(Code E) | 5.3x(Code F) | 5.7x(Code F) |
| | | G) | | | | | | |
| No load current [A] |] | 7.00 | 7.00 | 7.40 | 7.70 | 7.00 | 7.40 | 7.70 |
| Rated speed [RPN | 1] | 1175 | 985 | 985 | 985 | 965 | 970 | 975 |
| Slip [%] | | 2.08 | 1.50 | 1.50 | 1.50 | 3.50 | 3.00 | 2.50 |
| Rated torque [ft.lb] | | 67.0 | 53.3 | 53.3 | 53.3 | 81.6 | 81.2 | 80.8 |
| Locked rotor torqu | e [%] | 229 | 270 | 300 | 330 | 170 | 200 | 220 |
| Breakdown torque | [%] | 260 | 300 | 340 | 360 | 210 | 229 | 250 |
| Service factor | | 1.25 | 1.25 | 1.25 | 1.25 | 1.00 | 1.15 | 1.15 |
| Temperature rise | | 80 K | 80 K | 80 K | 80 K | 80 K | 80 K | 80 K |
| Locked rotor time | | 36s (cold) | 61s (cold) | 54s (cold) | 52s (cold) | 27s (cold) | 27s (cold) | 27s (cold) |
| | | 20s (hot) | 34s (hot) | 30s (hot) | 29s (hot) | 15s (hot) | 15s (hot) | 15s (hot) |
| Noise level ² | | 59.0 dB(A) | 56.0 dB(A) | 56.0 dB(A) | 56.0 dB(A) | 56.0 dB(A) | 56.0 dB(A) | 56.0 dB(A) |
| | 25% | 90.8 | 88.9 | 89.0 | 89.0 | 92.4 | 90.6 | 90.7 |
| Efficiency (%) | 50% | 91.0 | 89.0 | 89.1 | 89.1 | 91.0 | 90.2 | 90.2 |

89.5

89.5

0.36

0.61

0.73

0.80

Non drive end Drive end Bearing type 6311 C3 6211 C3

75%

100%

25%

50%

75%

100%

Inpro/Seal Inpro/Seal Sealing Lubrication interval 20000 h 20000 h

91.7

91.7

0.44

0.69

0.80

0.84

89.4

89.4

0.39

0.64

0.76

0.82

Lubricant amount 18 g 11 g Lubricant type Mobil Polyrex EM

Foundation loads

89.5

89.5

0.34

0.58

0.71

0.78

Max. traction : 666 lb : 1096 lb Max. compression

Notes

Efficiency (%)

Power Factor

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.

90.2

88.5

0.50

0.75

0.84

0.86

90.2

89.5

0.47

0.72

0.82

0.85

91.0

90.2

0.45

0.70

0.81

0.84

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Three Phase Induction Motor - Squirrel Cage



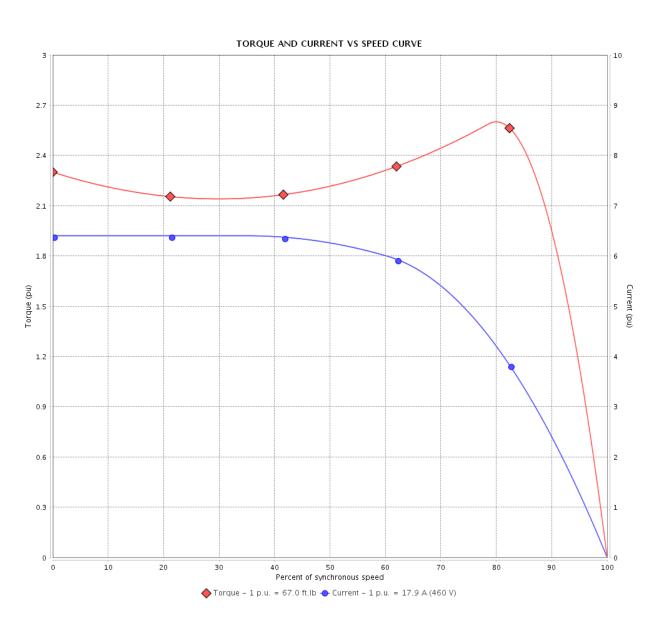
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Product code: 12424291

Catalog #: 01512ST3QIE284TC-W22



Performance : 460 V 60 Hz 6P Rated current : 17.9 A Moment of inertia (J) : 7.85 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) : 67.0 ft.lb Insulation class Rated torque : F Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1175 rpm Design : B

Locked rotor time : 36s (cold) 20s (hot)

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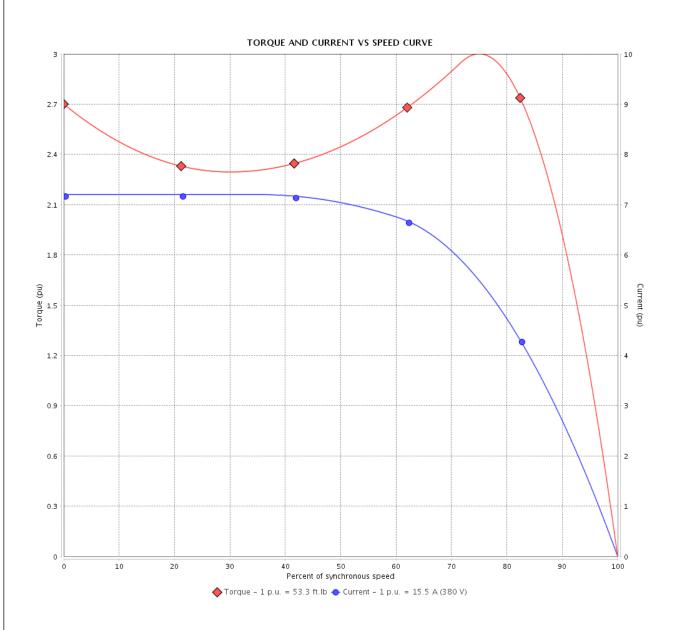
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12424291

Catalog #: 01512ST3QIE284TC-W22



| Performance | : 380 V 50 Hz 6P IE3 | | | |
|---------------------|----------------------|-----------------------|-----------------|--|
| Rated current | : 15.5 A | Moment of inertia (J) | : 7.85 sq.ft.lb | |
| LRC | : 7.2 | Duty cycle | : Cont.(S1) | |
| Rated torque | : 53.3 ft.lb | Insulation class | : F | |
| Locked rotor torque | : 270 % | Service factor | : 1.25 | |
| Breakdown torque | : 300 % | Temperature rise | : 80 K | |
| Rated speed | : 985 rpm | Design | : B | |

Locked rotor time : 61s (cold) 34s (hot)

| LOCKCO TOTOL UITI | . 0 | 13 (6014) 643 (1161) | | | |
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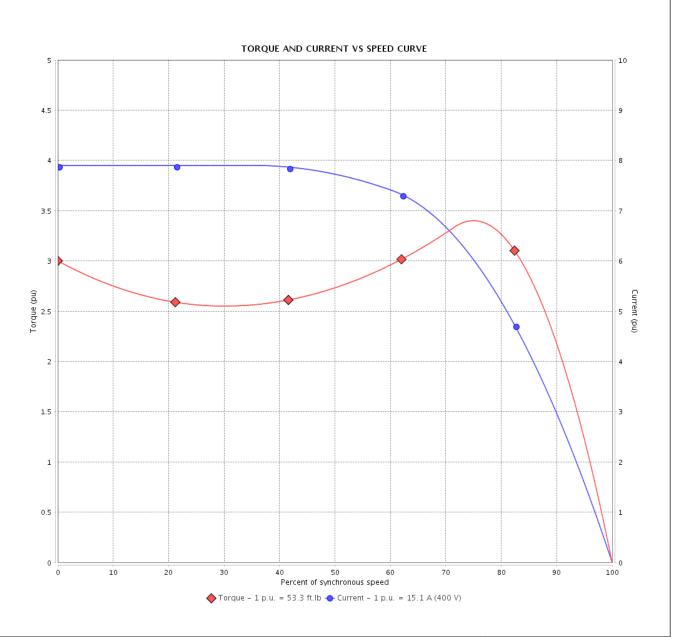


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12424291

Phase

Catalog #: 01512ST3QIE284TC-W22



| Performance | : 400 V 50 Hz 6P IE3 | | |
|---------------------|------------------------|-----------------------|-----------------|
| Rated current | : 15.1 A | Moment of inertia (J) | : 7.85 sq.ft.lb |
| LRC | : 7.9 | Duty cycle | : Cont.(S1) |
| Rated torque | : 53.3 ft.lb | Insulation class | : F |
| Locked rotor torque | : 300 % | Service factor | : 1.25 |
| Breakdown torque | : 340 % | Temperature rise | : 80 K |
| Rated speed | : 985 rpm | Design | : B |
| Locked roter time | : 54s (cold) 30s (bot) | ' | |

Locked rotor time : 54s (cold) 30s (hot)

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Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 12424291 Catalog #: 01512ST3QIE284TC-W22 TORQUE AND CURRENT VS SPEED CURVE 4.5 3.5 Torque (pu)

| Performance | : 415 V 50 Hz 6P IE3 | | | |
|---------------------|------------------------|-----------------------|-----------------|--|
| Rated current | : 14.9 A | Moment of inertia (J) | : 7.85 sq.ft.lb | |
| LRC | : 8.3 | Duty cycle | : Cont.(S1) | |
| Rated torque | : 53.3 ft.lb | Insulation class | : F | |
| Locked rotor torque | : 330 % | Service factor | : 1.25 | |
| Breakdown torque | : 360 % | Temperature rise | : 80 K | |
| Rated speed | : 985 rpm | Design | : B | |
| Locked rotor time | : 52s (cold) 29s (hot) | | | |

40 50 -Percent of synchronous speed ♦ Torque – 1 p.u. = 53.3 ft.lb ♦ Current – 1 p.u. = 14.9 A (415 V)

| | | -5 (55.4) =55 (1.51) | | | |
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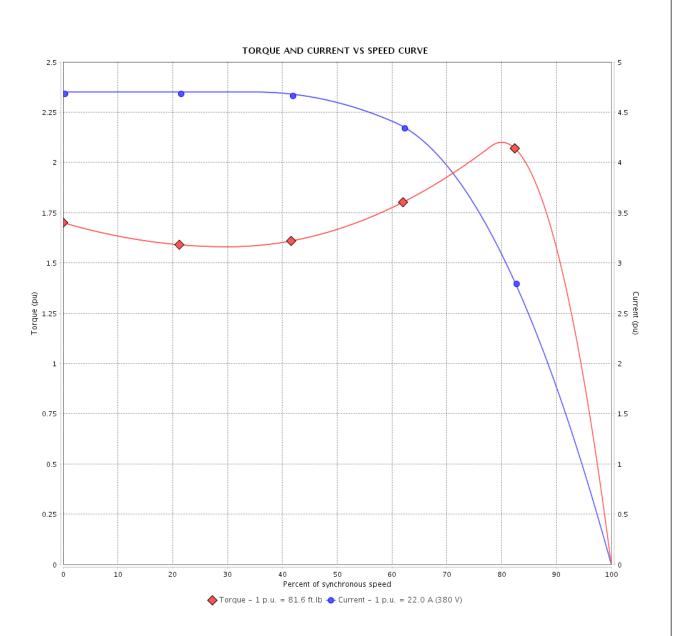


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12424291

Phase

Catalog #: 01512ST3QIE284TC-W22



Performance : 380 V 50 Hz 6P IE1 Rated current : 22.0 A Moment of inertia (J) : 7.85 sq.ft.lb **LRC** : 4.7 Duty cycle : Cont.(S1) Insulation class Rated torque : 81.6 ft.lb : F Locked rotor torque : 170 % Service factor : 1.00 Breakdown torque : 210 % Temperature rise : 80 K Rated speed : 965 rpm Design : B Locked rotor time : 27s (cold) 15s (hot)

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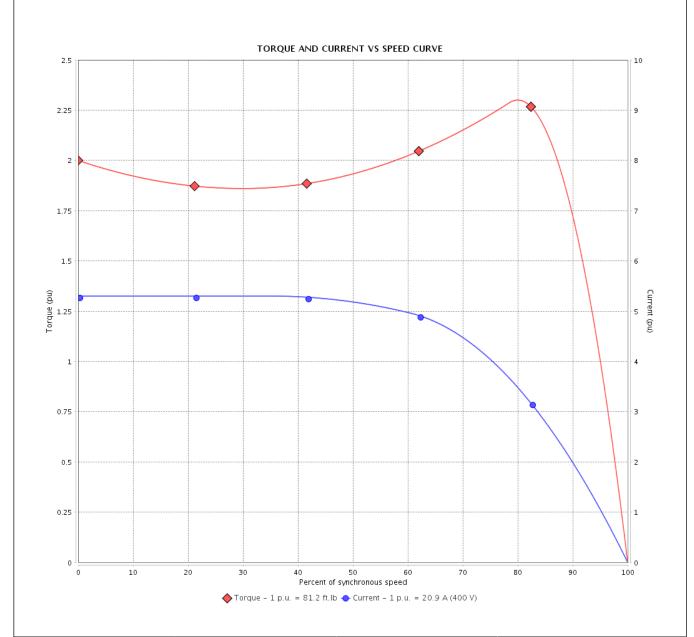


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12424291

Phase

Catalog #: 01512ST3QIE284TC-W22



| Performance | : 400 V 50 Hz 6P IE2 | | | |
|---------------------|----------------------|-----------------------|-----------------|--|
| Rated current | : 20.9 A | Moment of inertia (J) | : 7.85 sq.ft.lb | |
| LRC | : 5.3 | Duty cycle | : Cont.(S1) | |
| Rated torque | : 81.2 ft.lb | Insulation class | : F | |
| Locked rotor torque | : 200 % | Service factor | : 1.15 | |
| Breakdown torque | : 229 % | Temperature rise | : 80 K | |
| Rated speed | : 970 rpm | Design | : B | |

Locked rotor time : 27s (cold) 15s (hot)

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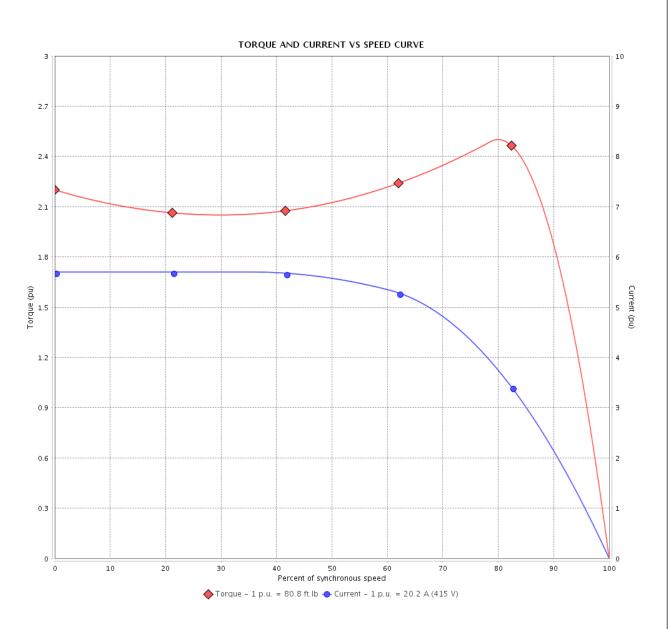


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 12424291

Phase

Catalog #: 01512ST3QIE284TC-W22



Performance : 415 V 50 Hz 6P IE2 Rated current : 20.2 A Moment of inertia (J) : 7.85 sq.ft.lb **LRC** : 5.7 Duty cycle : Cont.(S1) : 80.8 ft.lb Insulation class Rated torque : F Service factor Locked rotor torque : 220 % : 1.15 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 975 rpm Design : B : 27s (cold) 15s (hot) Locked rotor time

| Lookou rotor tiirri | | G (GGIG) 100 (1101) | | | |
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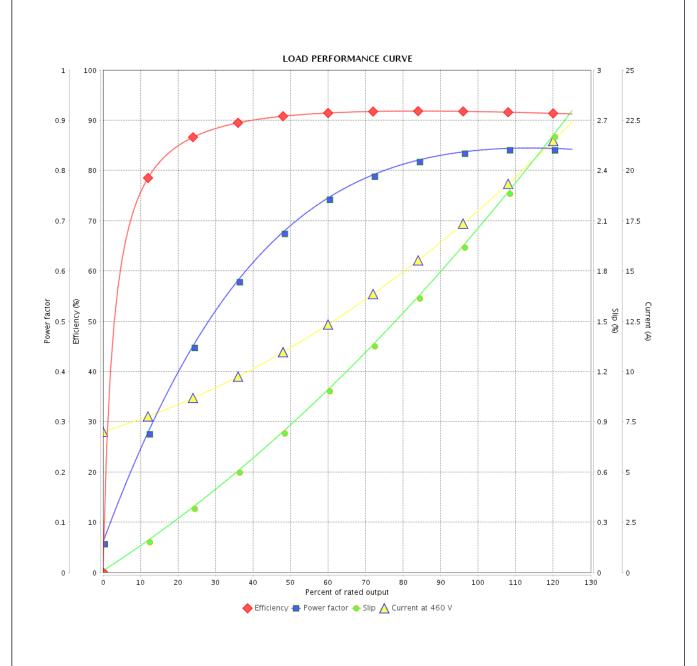


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Product line : NEMA Premium Efficiency Three- Product code : 12424291

Phase

Catalog #: 01512ST3QIE284TC-W22



| Performance | : 460 V 60 Hz 6P | | | | | |
|---------------------|------------------|-----------------|------------|---------------|-----------------|----------|
| Rated current | : | 17.9 A | Moment o | f inertia (J) | : 7.85 sq.ft.lb | |
| LRC | : | 6.4 | Duty cycle | ; | : Cont.(S1) | |
| Rated torque | : | 67.0 ft.lb | Insulation | class | : F | |
| Locked rotor torque | e : | 229 % | Service fa | ctor | : 1.25 | |
| Breakdown torque | : | : 260 % Tempe | | ıre rise | : 80 K | |
| Rated speed | : | 1175 rpm | Design | | : B | |
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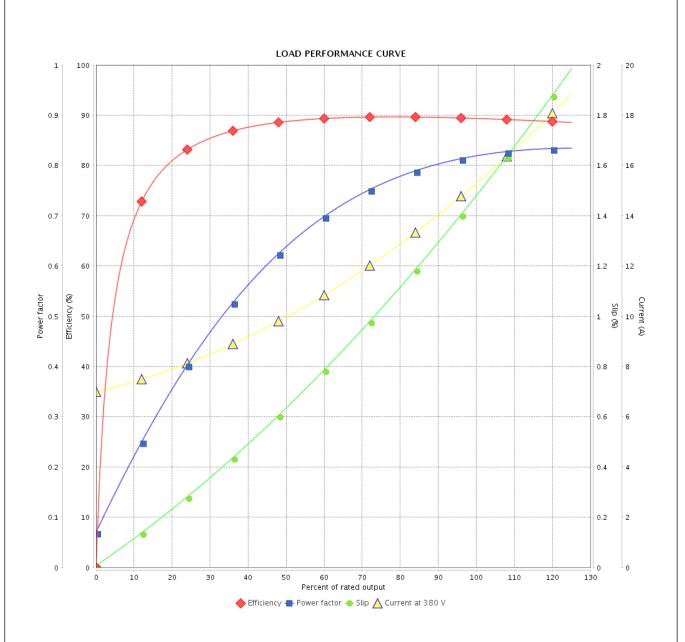
Product line : NEMA Premium Efficiency Three- Product

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Product code: 12424291

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| Performance | : 380 V 50 Hz 6P IE3 | | | | |
|-------------------------------------|----------------------|---------------------------------|-----------------|--------------------|----------|
| Rated current : 15.5 A Moment of in | | inertia (J) | : 7.85 sq.ft.lb | | |
| LRC : 7.2 Rated torque : 53.3 ft.lb | | Duty cycle Insulation class | | : Cont.(S1) : F | |
| Locked rotor torque | : 270 % | Service factor Temperature rise | | : 1.25 | |
| Breakdown torque | : 300 % | | | : 80 K | |
| Rated speed | : 985 rpm | Design | | : B | |
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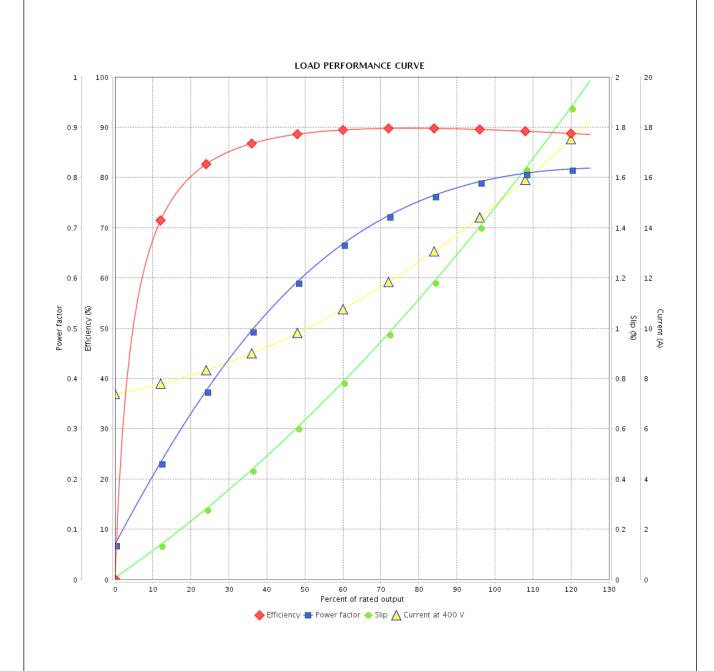
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| Performance | : 400 V 50 Hz 6P IE3 | | | | |
|--|--|--|---------------|--|------|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 15.1 A : 7.9 : 53.3 ft.lb : 300 % : 340 % : 985 rpm | Moment of Duty cycle Insulation Service fa Temperate Design | class ctor | : 7.85 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B | |
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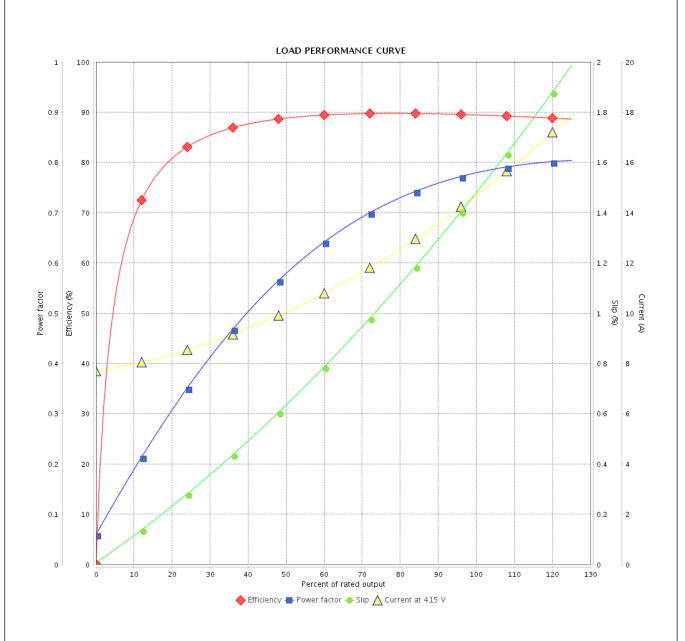
Product line : NEMA Premium Efficiency Three- Product

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Product code: 12424291

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| Performance | : 415 V 50 Hz 6P IE3 | | | | |
|---------------------------------------|----------------------|-------------------------|-----------------|---------------|----------|
| Rated current : 14.9 A Moment of iner | | of inertia (J) | : 7.85 sq.ft.lb | | |
| LRC | : 8.3 | Duty cycle | 9 | : Cont.(S1) | |
| Rated torque | : 53.3 ft.lb | Insulation | class | : F : 1.25 | |
| Locked rotor torque | : 330 % | Service fa | ctor | | |
| Breakdown torque | : 360 % | Temperature rise Design | | : 80 K | |
| Rated speed | : 985 rpm | | | : B | |
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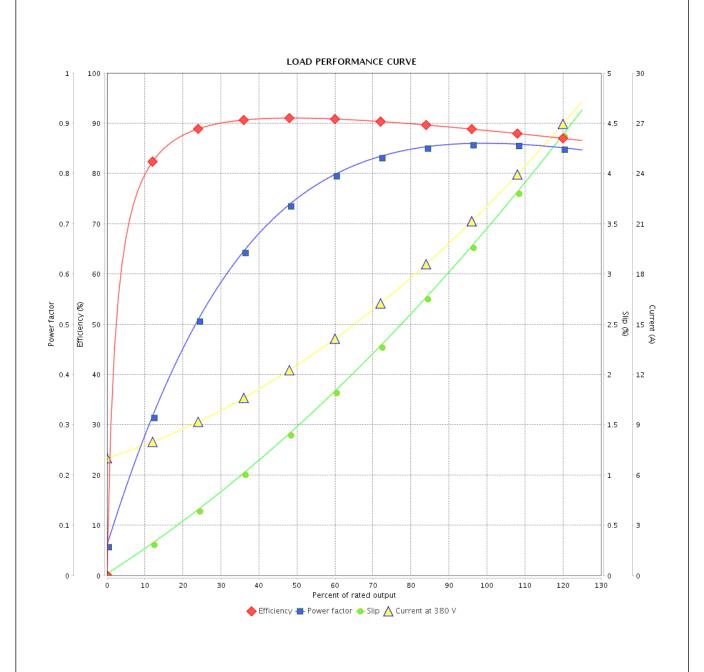


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12424291

Phase

Catalog #: 01512ST3QIE284TC-W22



| Performance | : 38 | : 380 V 50 Hz 6P IE1 | | | | |
|--------------------------|----------------------|----------------------|------------------|---------------|-----------------|----------|
| Rated current | current : 22.0 A Mom | | Moment o | f inertia (J) | : 7.85 sq.ft.lb | |
| LRC | : 4 | .7 | Duty cycle |) | : Cont.(S1) | |
| Rated torque | : 8 | 1.6 ft.lb | Insulation | class | : F | |
| Locked rotor torqu | ie : 1 | 70 % | Service fa | ctor | : 1.00 | |
| Breakdown torque : 210 % | | 10 % | Temperature rise | | : 80 K | |
| Rated speed | : 90 | 65 rpm | Design | | : B | |
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Product line : NEMA Premium Efficiency Three- Product

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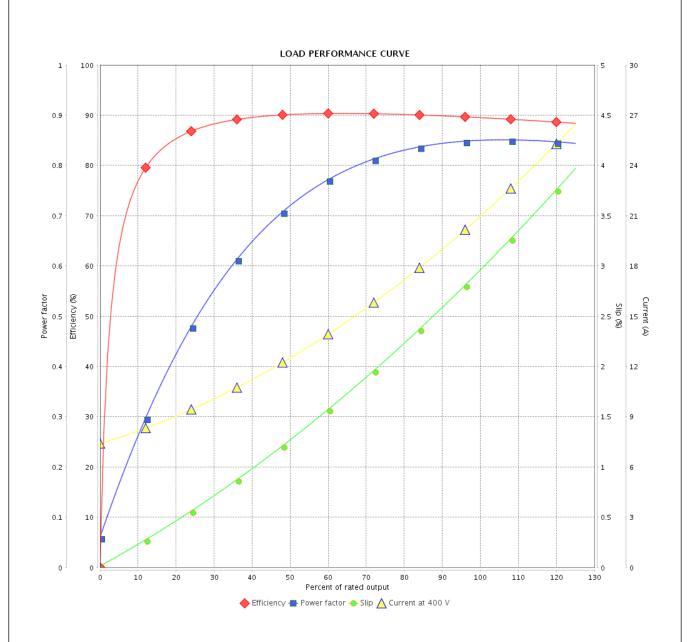
Product code: 12424291

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Revision



Performance : 400 V 50 Hz 6P IE2 : 20.9 A Rated current Moment of inertia (J) : 7.85 sq.ft.lb **LRC** : 5.3 Duty cycle : Cont.(S1) : 81.2 ft.lb Insulation class Rated torque : F Locked rotor torque : 200 % Service factor : 1.15 Breakdown torque : 229 % Temperature rise : 80 K Rated speed : 970 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage

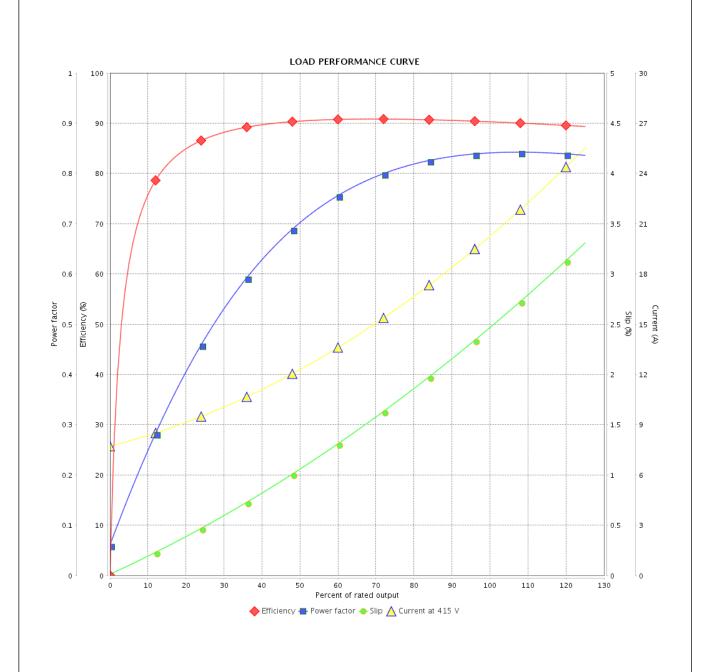


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Product line : NEMA Premium Efficiency Three- Product code : 12424291

Phase

Catalog #: 01512ST3QIE284TC-W22



| Performance | : 4 | : 415 V 50 Hz 6P IE2 | | | | |
|--------------------------------------|------------|-------------------------|----------------|---------------|-----------------|----------|
| Rated current | : 2 | 20.2 A Moment of in | | f inertia (J) | : 7.85 sq.ft.lb | |
| LRC | : 5. | .7 | Duty cycle |) | : Cont.(S1) | |
| Rated torque | : 80 | 0.8 ft.lb | Insulation | class | : F | |
| Locked rotor torqu | ue : 2: | 20 % | Service factor | | : 1.15 | |
| Breakdown torque : 250 % Temperature | | Temperature rise : 80 K | | | | |
| Rated speed | : 9 | 75 rpm | Design | | : B | |
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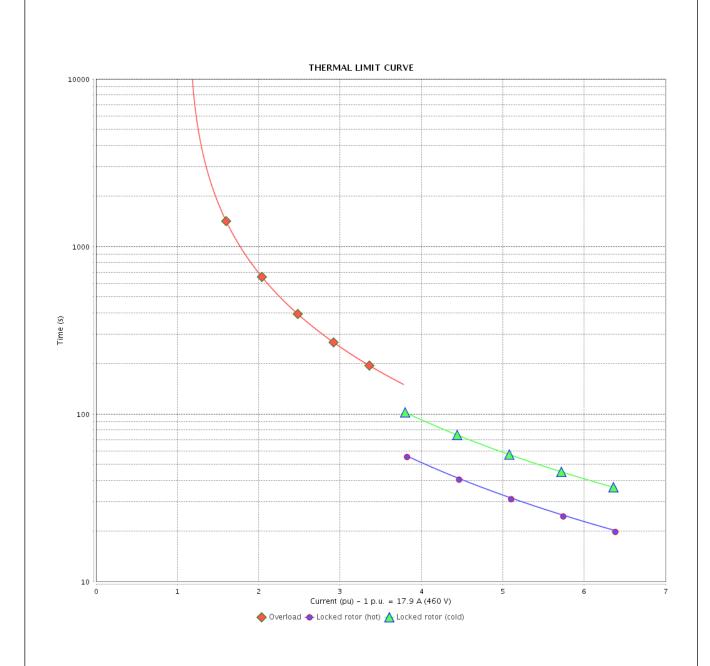


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| Customer | : | | | | |
| Product line | : NEMA Premium Efficiency Phase | | Product code : | 12424291 | -004T0 1125 |
| | | 1 | Catalog # : | 01512ST3QII | E284TC-W22 |
| | | | | | |
| Performance Rated current LRC | : 460 V 60 Hz 6P : 17.9 A : 6.4 | Duty cycle | f inertia (J) | : 7.85 sq.ft.lb : Cont.(S1) | |
| Rated torque Locked rotor torque Breakdown torque Rated speed | : 67.0 ft.lb : 229 % : 260 % : 1175 rpm | Insulation Service fa Temperatu Design | ctor | : F : 1.25 : 80 K : B | |
| Heating constant | | | | | |
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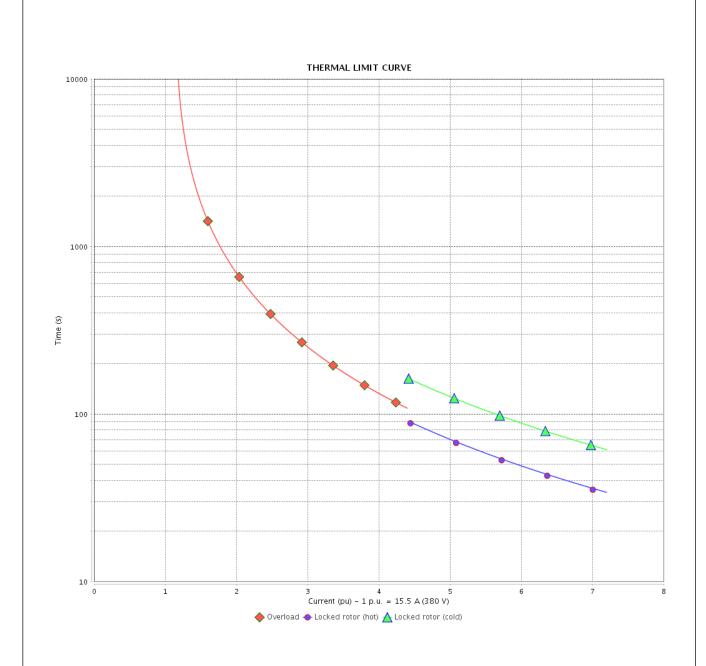


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| | | | | | | |
| Performance | | 30 V 50 Hz 6P IE3 | | | | |
| Rated current LRC | : 15 : 7. | 5.5 A 2 | Moment of Duty cycle | of inertia (J) | : 7.85 sq.ft.lb : Cont.(S1) | |
| Rated torque | : 53 | 3.3 ft.lb | Insulation | class | : F | |
| Locked rotor torque Breakdown torque | | 70 % 00 % | Service fa Temperati | | : 1.25 : 80 K | |
| Rated speed | | 35 rpm | Design | ui o Tido | : B | |
| Heating constant | | | | | | |
| Cooling constant | | | | | | |
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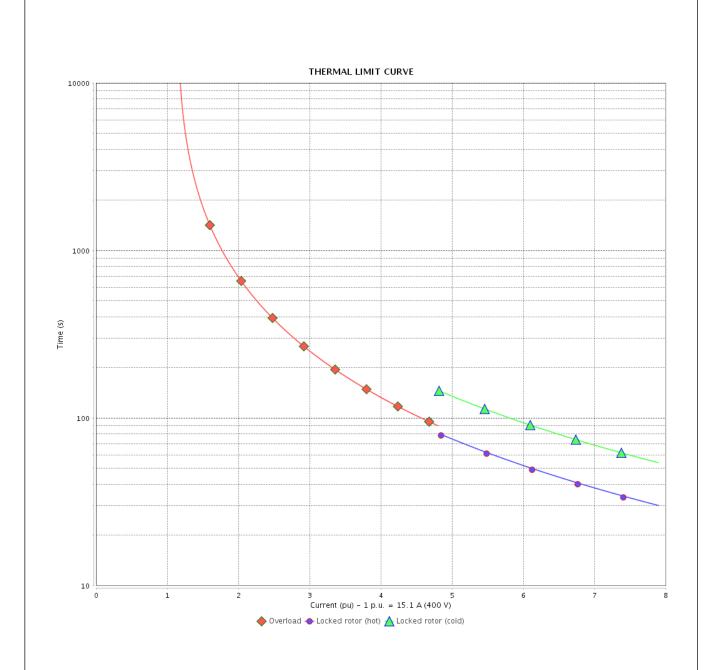


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| | | | | | | |
| Performance | | 400 V 50 Hz 6P IE3 | | | | |
| Rated current | | 15.1 A | Moment o | of inertia (J) | : 7.85 sq.ft.lb | |
| LRC | : | 7.9 | Duty cycle | е | : Cont.(S1) | |
| Rated torque Locked rotor torq | | 53.3 ft.lb 300 % | Insulation Service fa | | : F : 1.25 | |
| Breakdown torqu | | 340 % | Temperat | | : 1.25 : 80 K | |
| Rated speed | | 985 rpm | Design | • | : B | |
| Heating constant | t | | | | | |
| Cooling constant | | | | | | |
| Rev. | | Changes Summary | | Performed | Checked | Date |
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Three Phase Induction Motor - Squirrel Cage



Customer



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| Date | 13/04/2022 | | | 21 / 36 | |

Three Phase Induction Motor - Squirrel Cage

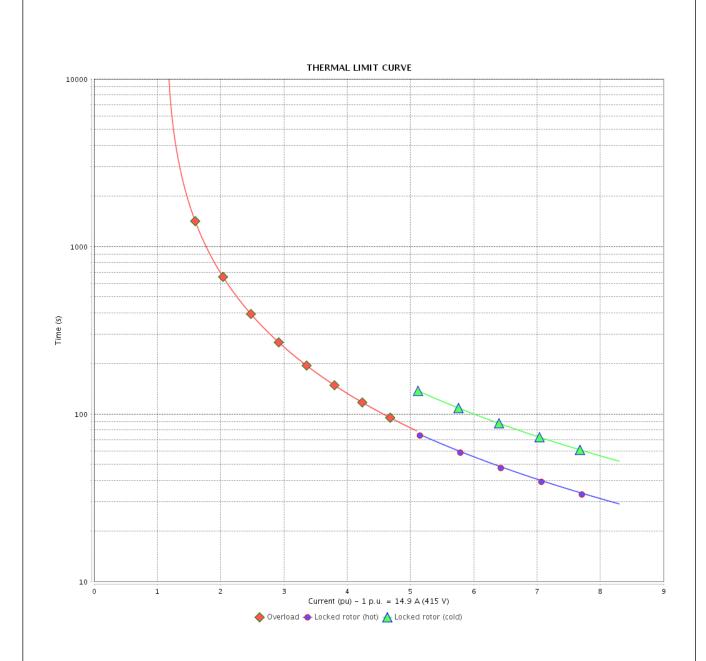


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|---|--|---|----------------------------|---|------------|
| Product line | : NEMA Premium Efficie Phase | | Product code : Catalog # : | 12424291 01512ST3QII | E284TC-W22 |
| | | | | | |
| Performance Rated current | : 415 V 50 Hz 6P IE3 : 14.9 A | Moment o | of inertia (J) | : 7.85 sq.ft.lb | |
| LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 8.3 : 53.3 ft.lb : 330 % : 360 % : 985 rpm | Duty cycle Insulation Service fa Temperati Design | e class actor | : Cont.(S1) : F : 1.25 : 80 K : B | |
| Heating constant Cooling constant Rev. | Changes Summary | | Performed | Checked | Date |
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Three Phase Induction Motor - Squirrel Cage



Customer



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Three Phase Induction Motor - Squirrel Cage

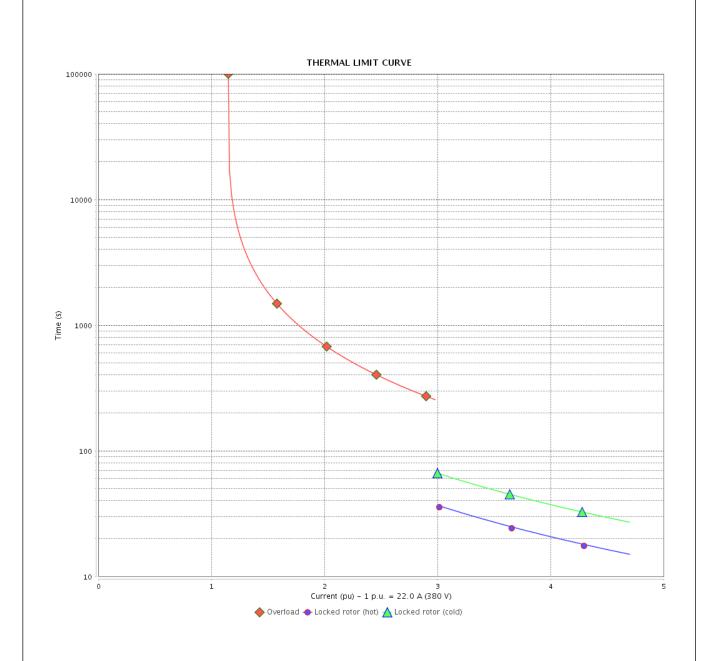


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| Product line | : NEMA Premium Efficiency ⁻ Phase | | 12424291 | |
| | | Catalog # : | 01512ST3QI | E284TC-W22 |
| | | | | |
| Performance | : 380 V 50 Hz 6P IE1 | | | |
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 22.0 A : 4.7 : 81.6 ft.lb : 170 % : 210 % : 965 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design | : 7.85 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B | |
| Heating constant | | - | | |
| Cooling constant | | | | |
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Three Phase Induction Motor - Squirrel Cage



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Three Phase Induction Motor - Squirrel Cage

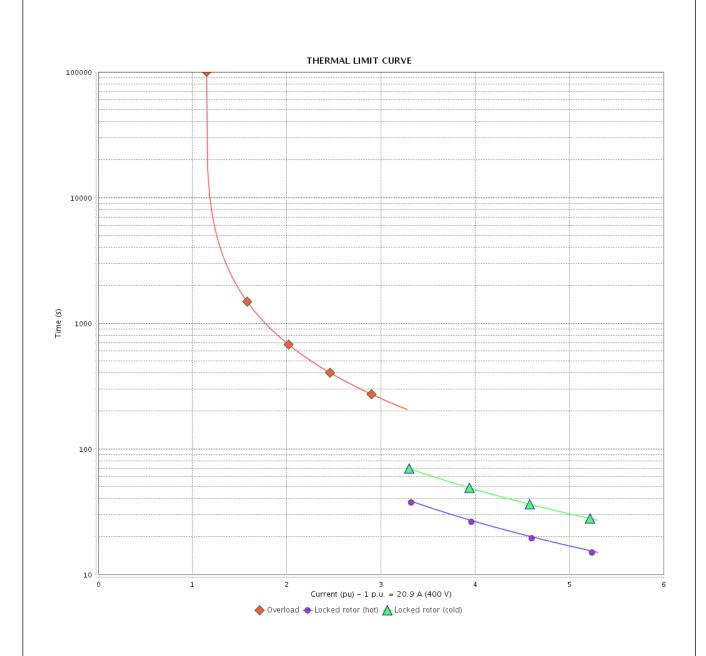


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| Product line | : NEMA Premium Efficiency Phase | / Three- | Product code : | 12424291 | |
| | Tilase | | Catalog # : | 01512ST3QIE | 284TC-W22 |
| | | | | | |
| Performance | : 400 V 50 Hz 6P IE2 | | | | |
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 20.9 A : 5.3 : 81.2 ft.lb : 200 % : 229 % : 970 rpm | Moment of Duty cycle Insulation Service far Temperate Design | class ctor | : 7.85 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B | |
| Heating constant | | | | | |
| Cooling constant | | | | | |
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Three Phase Induction Motor - Squirrel Cage



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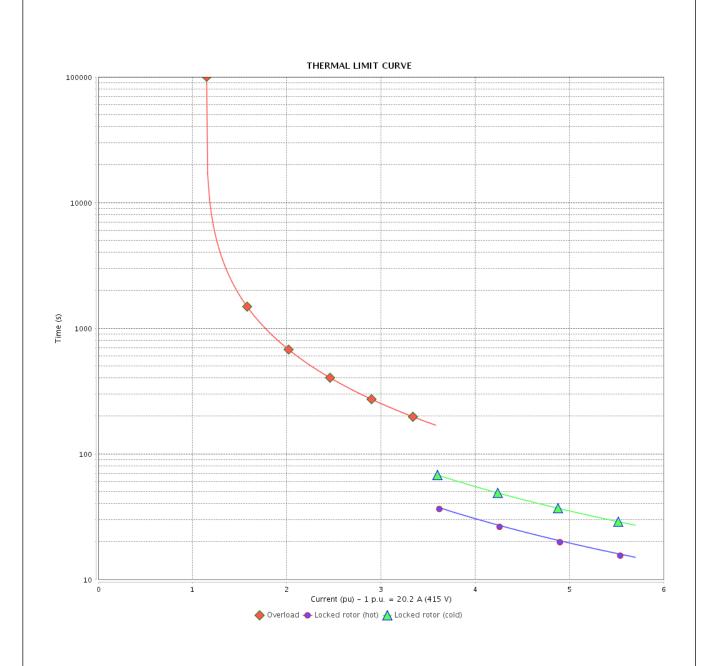


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| | | 1830 | (| Catalog # : | 01512ST3QIE | 284TC-W22 |
| | | | | | | |
| Performance | : 41 | 5 V 50 Hz 6P IE2 | | | | |
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 5. : 80 : 22 : 25 | 0.2 A 7 0.8 ft.lb 20 % 50 % 75 rpm | Moment of Duty cycle Insulation Service fac Temperatu Design | class ctor | : 7.85 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B | |
| | . 01 | | | | | |
| Heating constant Cooling constant | | | | | | |
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Product line : NEMA Premium Efficiency Three- Prod

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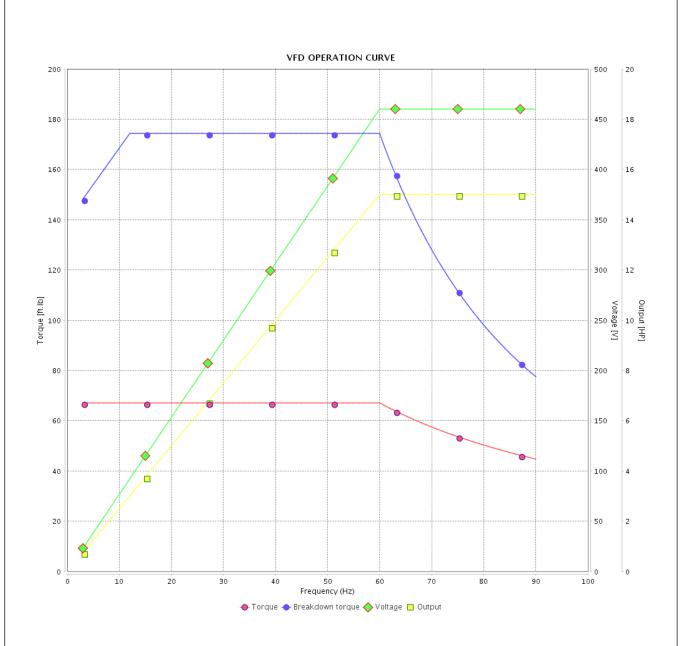
Product code: 12424291

Catalog #: 01512ST3QIE284TC-W22

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Revision



Performance : 460 V 60 Hz 6P : 17.9 A Rated current Moment of inertia (J) : 7.85 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 6.4 : 67.0 ft.lb Insulation class : F Rated torque Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1175 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage

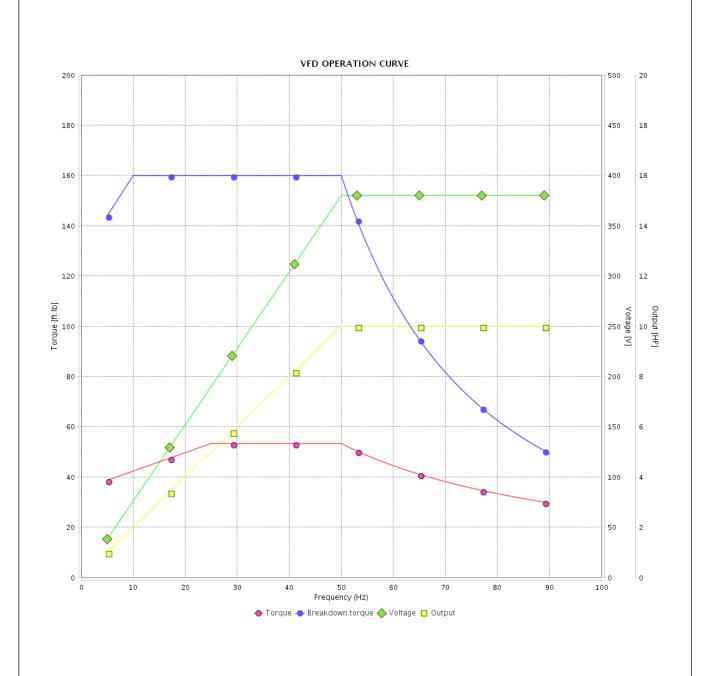


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Product line : NEMA Premium Efficiency Three- Product code : 12424291

Phase

Catalog #: 01512ST3QIE284TC-W22



| Performance | : | 380 V 50 Hz 6P IE3 | | | | |
|-------------------|------------|--------------------|------------------|---------------|-----------------|----------|
| Rated current | : | : 15.5 A Moment | | f inertia (J) | : 7.85 sq.ft.lb | |
| LRC | : | 7.2 | Duty cycle | • | : Cont.(S1) | |
| Rated torque | : | 53.3 ft.lb | Insulation | class | : F | |
| Locked rotor torq | ue : | 270 % | Service fa | ctor | : 1.25 | |
| Breakdown torque | e : | 300 % | Temperature rise | | : 80 K | |
| Rated speed | : ' | 985 rpm | Design | | : B | |
| Rev. | | Changes Summary | | Performed | Checked | Date |
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Three Phase Induction Motor - Squirrel Cage



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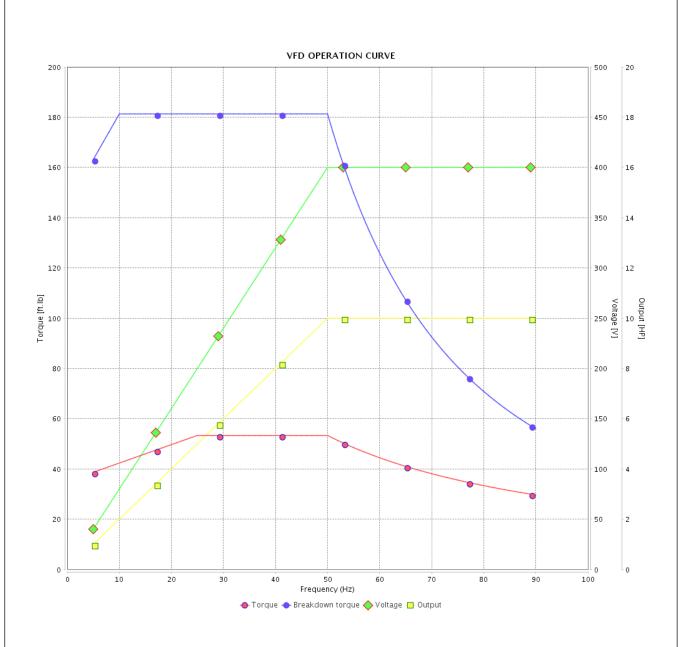
Product code: 12424291

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Revision



| Performance | : 40 | 00 V 50 Hz 6P IE3 | | | | |
|---|-------------------------------------|--|--|----------------|--|------|
| Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed | : 7. : 50 que : 30 ie : 34 | 5.1 A .9 3.3 ft.lb 00 % 40 % 85 rpm | Moment of Duty cycle Insulation Service fa Temperate Design | class actor | : 7.85 sq.ft.lb : Cont.(S1) : F : 1.25 : 80 K : B | |
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Three Phase Induction Motor - Squirrel Cage

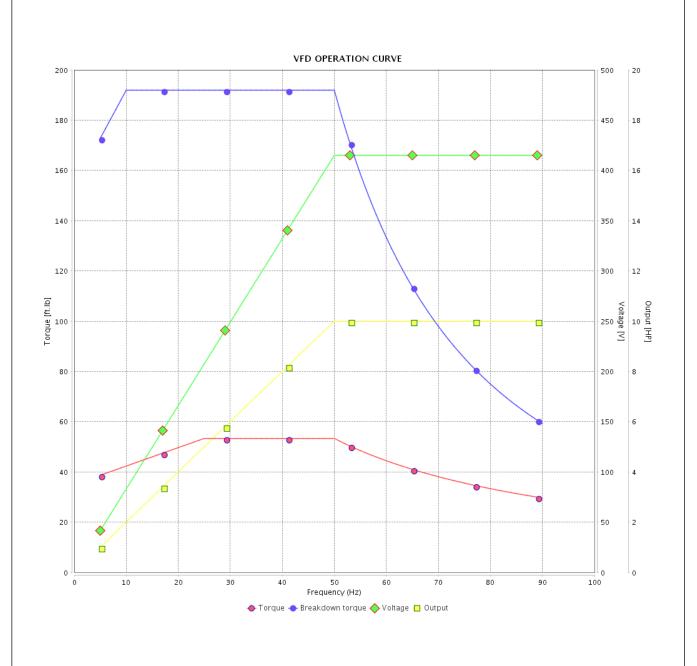


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Product line : NEMA Premium Efficiency Three- Product code : 12424291

Phase

Catalog #: 01512ST3QIE284TC-W22



| Performance | : 4 | 15 V 50 Hz 6P IE3 | | | | |
|---------------------|------------|-------------------|------------------|---------------|-----------------|----------|
| Rated current | : 1 | 4.9 A | Moment o | f inertia (J) | : 7.85 sq.ft.lb | |
| LRC | : 8 | .3 | Duty cycle | : | : Cont.(S1) | |
| Rated torque | : 5 | 3.3 ft.lb | Insulation | class | : F | |
| Locked rotor torque | e : 3 | 30 % | Service factor | | : 1.25 | |
| Breakdown torque | : 3 | 60 % | Temperature rise | | : 80 K | |
| Rated speed | : 9 | 85 rpm | Design | | : B | |
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Product line : NEMA Premium Efficiency Three-

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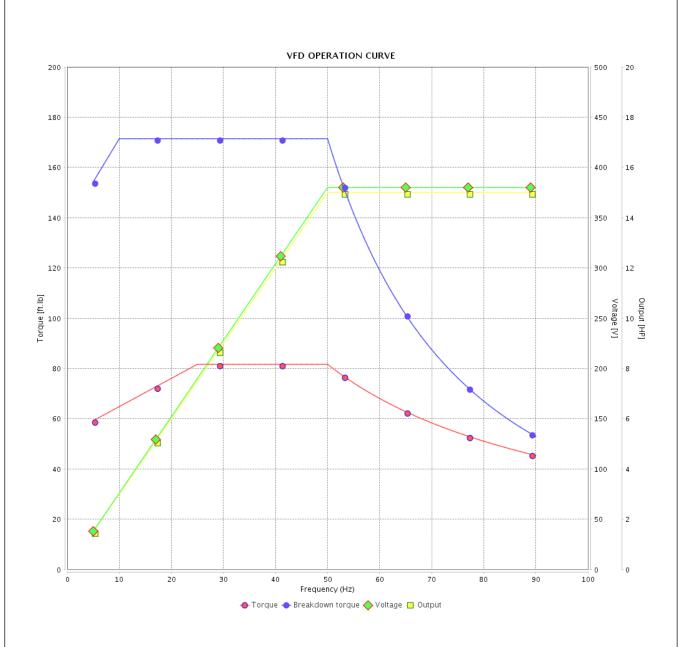
Product code: 12424291

Catalog #: 01512ST3QIE284TC-W22

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Revision



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|---|---------------------------------------|--|--|---------------|--|------|
| Performance | : 3 | 380 V 50 Hz 6P IE1 | | | | |
| Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed | : 2 : 8 ue : 2 | 22.0 A 4.7 81.6 ft.lb 170 % 210 % 965 rpm | Moment of Duty cycle Insulation Service fa Temperate Design | class ctor | : 7.85 sq.ft.lb : Cont.(S1) : F : 1.00 : 80 K : B | |
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Three Phase Induction Motor - Squirrel Cage

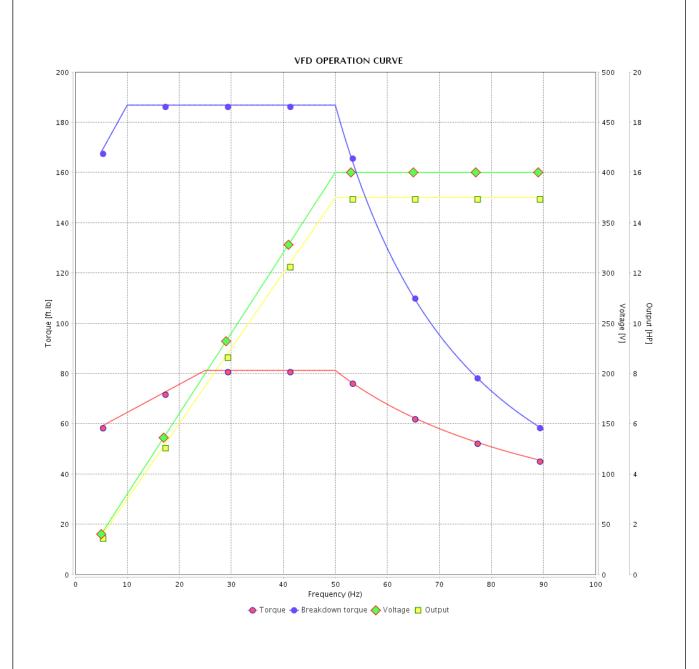


Customer

Product line : NEMA Premium Efficiency Three- Product code : 12424291

Phase

Catalog #: 01512ST3QIE284TC-W22



| Performance | : 4 | : 400 V 50 Hz 6P IE2 | | | | | | | |
|---------------------|------------|--|--|---------------|------------------|----------|--|--|--|
| Rated current | : : | : 20.9 A : 5.3 : 81.2 ft.lb : 200 % : 229 % : 970 rpm | | f inertia (J) | : 7.85 sq.ft.lb | | | | |
| LRC | : : | | |) | : Cont.(S1) | | | | |
| Rated torque | : 8 | | | class | : F | | | | |
| Locked rotor torque | e :: | | | ctor | : 1.15 : 80 K | | | | |
| Breakdown torque | : : | | | ıre rise | | | | | |
| Rated speed | : 9 | | | Design | | | | | |
| Rev. | | Changes Summary | | | Checked | Date | | | |
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Three Phase Induction Motor - Squirrel Cage



Customer :

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Product line : NEMA Premium Efficiency Three-

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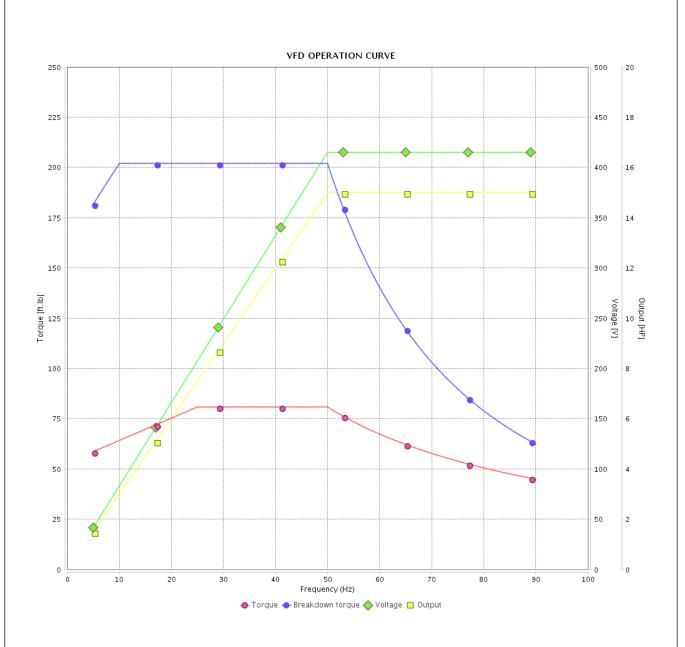
Product code: 12424291

Catalog #: 01512ST3QIE284TC-W22

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Revision



| Performance | : 4 | 15 V 50 Hz 6P IE2 | | | | |
|---|-----------------------|--|--|--|---------|------|
| Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed | : 5 : 8 jue : 2 | : 20.2 A : 5.7 : 80.8 ft.lb : 220 % : 250 % : 975 rpm | | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design | | |
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