### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11535069

Phase

Catalog #: 05018ET3E326JP-W22

Frame : 324/6JP 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>3</sup> : 610 lb

| Protection degre         | е    | : IP55     |            | Momer        | nt of inertia (J) | : 9          | .16 sq.ft.lb |            |
|--------------------------|------|------------|------------|--------------|-------------------|--------------|--------------|------------|
| Design                   |      | : B        |            |              |                   |              |              |            |
| Output [HP]              |      | 50         | 40         | 40           | 40                | 50           | 50           | 50         |
| Poles                    |      | 4          | 4          | 4            | 4                 | 4            | 4            | 4          |
| Frequency [Hz]           |      | 60         | 50         | 50           | 50                | 50           | 50           | 50         |
| Rated voltage [V]        |      | 230/460    | 380        | 400          | 415               | 380          | 400          | 415        |
| Rated current [A]        |      | 118/59.2   | 58.7       | 57.1         | 56.4              | 71.6         | 68.4         | 66.3       |
| L. R. Amperes [A]        |      | 734/367    | 376        | 400          | 417               | 372          | 397          | 411        |
| LRC [A]                  |      | 6.2x(Code  | 6.4x(Code  | 7.0x(Code H) | 7.4x(Code J)      | 5.2x(Code E) | 5.8x(Code F) | 6.2x(Code  |
|                          |      | G)         | G)         |              |                   |              |              | G)         |
| No load current [A       | ]    | 47.0/23.5  | 23.0       | 24.0         | 25.0              | 23.0         | 24.0         | 25.0       |
| Rated speed [RPM]        |      | 1775       | 1470       | 1475         | 1478              | 1460         | 1465         | 1470       |
| Slip [%]                 |      | 1.39       | 2.00       | 1.67         | 1.47              | 2.67         | 2.33         | 2.00       |
| Rated torque [ft.lb]     |      | 148        | 143        | 142          | 142               | 180          | 179          | 179        |
| Locked rotor torque [%]  |      | 229        | 229        | 250          | 260               | 180          | 200          | 210        |
| Breakdown torque [%]     |      | 270        | 260        | 300          | 330               | 210          | 240          | 260        |
| 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        |      | 27s (cold) | 19s (cold) | 19s (cold)   | 19s (cold)        | 19s (cold)   | 19s (cold)   | 19s (cold) |
|                          |      | 15s (hot)  | 11s (hot)  | 11s (hot)    | 11s (hot)         | 11s (hot)    | 11s (hot)    | 11s (hot)  |
| Noise level <sup>2</sup> |      | 66.0 dB(A) | 63.0 dB(A) | 63.0 dB(A)   | 63.0 dB(A)        | 63.0 dB(A)   | 63.0 dB(A)   | 63.0 dB(A) |
|                          | 25%  | 92.5       | 91.9       | 90.6         | 90.8              | 93.3         | 92.2         | 91.8       |
| Efficiency (%)           | 50%  | 93.0       | 92.5       | 91.5         | 91.5              | 93.0         | 92.4         | 92.4       |
| Liliciency (70)          | 75%  | 94.1       | 93.1       | 92.8         | 93.0              | 93.0         | 93.0         | 93.0       |
|                          | 100% | 94.5       | 93.6       | 93.6         | 93.6              | 92.4         | 93.0         | 93.5       |
|                          | 25%  | 0.42       | 0.41       | 0.38         | 0.35              | 0.48         | 0.45         | 0.42       |
| Power Factor             | 50%  | 0.66       | 0.64       | 0.60         | 0.57              | 0.72         | 0.68         | 0.65       |
| 1 OWEL FACIOI            | 75%  | 0.77       | 0.77       | 0.73         | 0.70              | 0.81         | 0.79         | 0.76       |
|                          | 100% | 0.83       | 0.83       | 0.81         | 0.79              | 0.85         | 0.84         | 0.83       |
|                          |      |            |            |              |                   |              |              |            |

Drive end Non drive end Foundation loads

Bearing type : 6312 C3 6212 C3 Max. traction : 1478 lb Sealing : V'Ring V'Ring Max. compression : 2087 lb

Lubrication interval : 20000 h 20000 h Lubricant amount : 21 g 13 g Lubricant type : Mobil Polyrex EM

Notes USABLE @208V 131A SF 1.15 SFA 151A

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



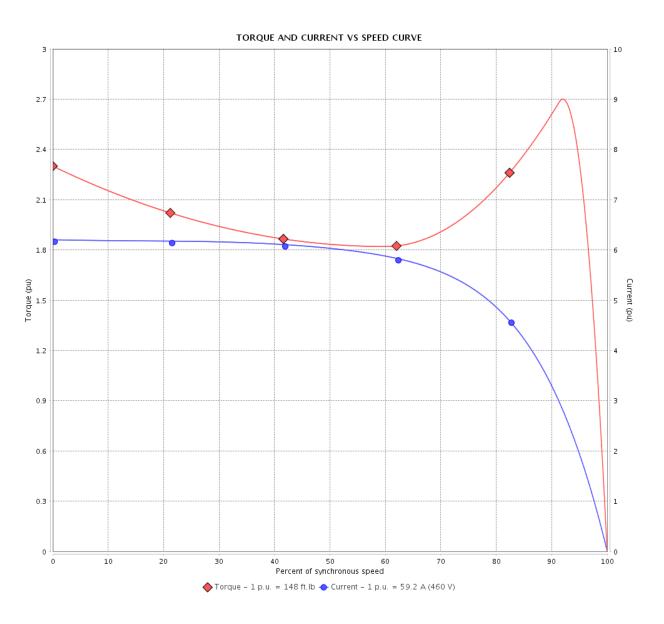
Customer :

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 05018ET3E326JP-W22

11535069



| Performance         | : 230/460 V 60 Hz 4P |                       |                 |  |
|---------------------|----------------------|-----------------------|-----------------|--|
| Rated current       | : 118/59.2 A         | Moment of inertia (J) | : 9.16 sq.ft.lb |  |
| LRC                 | : 6.2                | Duty cycle            | : Cont.(S1)     |  |
| Rated torque        | : 148 ft.lb          | Insulation class      | : F             |  |
| Locked rotor torque | : 229 %              | Service factor        | : 1.25          |  |
| Breakdown torque    | : 270 %              | Temperature rise      | : 80 K          |  |
| Rated speed         | : 1775 rpm           | Design                | : B             |  |
| -                   | <u> </u>             |                       |                 |  |

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Three Phase Induction Motor - Squirrel Cage Customer Product line : NEMA Premium Efficiency Three-Product code: 11535069 Catalog #: 05018ET3E326JP-W22 TORQUE AND CURRENT VS SPEED CURVE 2.7 2.1 Current Torque (pu) 1.2 0.6 0.3 Percent of synchronous speed ◆ Torque - 1 p.u. = 143 ft.lb ◆ Current - 1 p.u. = 58.7 A (380 V) Performance : 380 V 50 Hz 4P IE3 Rated current : 58.7 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 6.4 Duty cycle : Cont.(S1) Insulation class Rated torque : 143 ft.lb : F Locked rotor torque : 229 % Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : 1470 rpm Design : B Locked rotor time : 19s (cold) 11s (hot) Performed Checked Date Rev. **Changes Summary** 

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#### Three Phase Induction Motor - Squirrel Cage



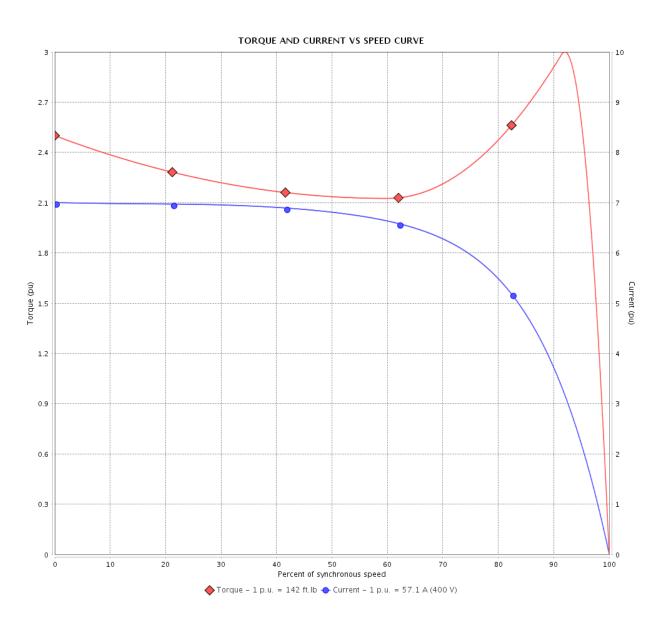
Customer :

Product line : NEMA Premium Efficiency Three- Product co

Phase

Product code: 11535069

Catalog #: 05018ET3E326JP-W22



Performance : 400 V 50 Hz 4P IE3 Rated current : 57.1 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) Insulation class Rated torque : 142 ft.lb : F Service factor Locked rotor torque : 250 % : 1.00 Breakdown torque : 300 % Temperature rise : 80 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: 11535069 Catalog #: 05018ET3E326JP-W22 TORQUE AND CURRENT VS SPEED CURVE 4.5 3.5 Current Torque (pu) 0.5 Percent of synchronous speed ◆ Torque - 1 p.u. = 142 ft.lb ◆ Current - 1 p.u. = 56.4 A (415 V) Performance : 415 V 50 Hz 4P IE3 Rated current : 56.4 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 7.4 Duty cycle : Cont.(S1) : 142 ft.lb Insulation class Rated torque : F : 260 % Locked rotor torque Service factor : 1.00 Breakdown torque : 330 % Temperature rise : 80 K Rated speed : 1478 rpm Design : B Locked rotor time : 19s (cold) 11s (hot) Rev. Performed Checked Date **Changes Summary** 

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#### Three Phase Induction Motor - Squirrel Cage



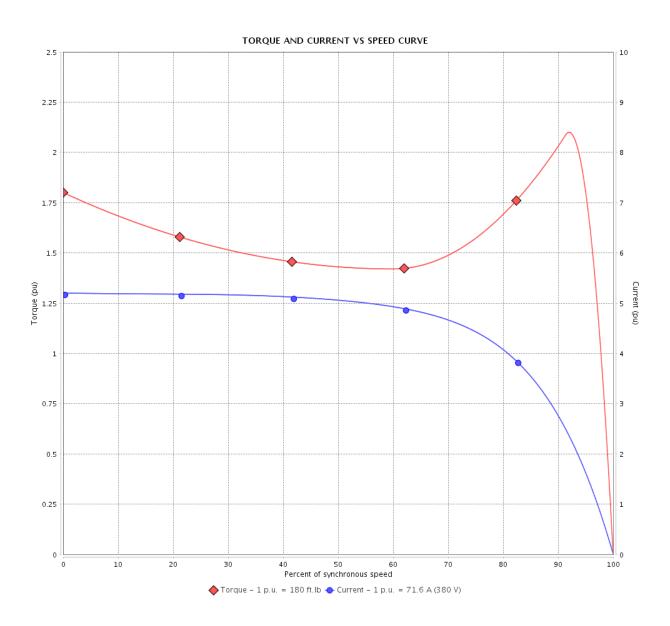
Customer :

Product line : NEMA Premium Efficiency Three- Pr

Phase

Product code: 11535069

Catalog #: 05018ET3E326JP-W22



Performance : 380 V 50 Hz 4P IE1 Rated current : 71.6 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 5.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 180 ft.lb : F Locked rotor torque : 180 % Service factor : 1.00 Breakdown torque : 210 % Temperature rise : 105 K Rated speed : 1460 rpm Design : B

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

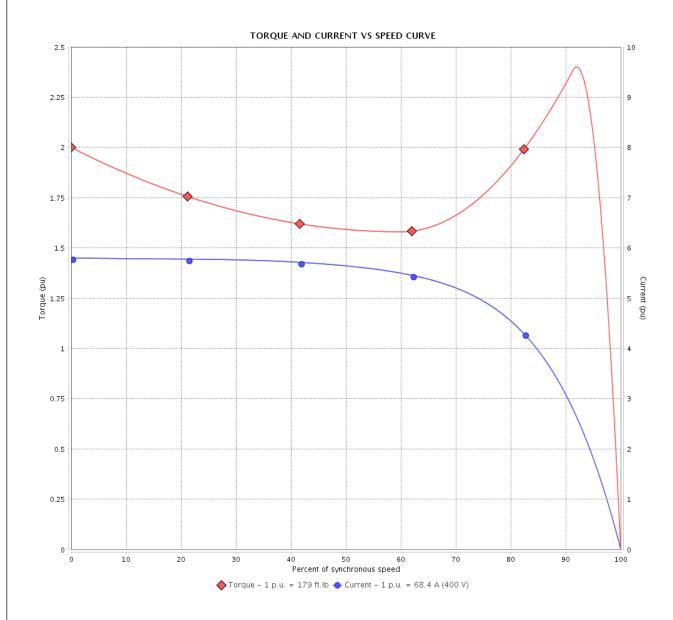


Customer :

Product line : NEMA Premium Efficiency Three- Product code : 11535069

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Catalog #: 05018ET3E326JP-W22



Performance : 400 V 50 Hz 4P IE2 Rated current : 68.4 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 5.8 Duty cycle : Cont.(S1) : 179 ft.lb Insulation class Rated torque : F Locked rotor torque : 200 % Service factor : 1.00 Breakdown torque : 240 % Temperature rise : 105 K Rated speed : 1465 rpm Design : B

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



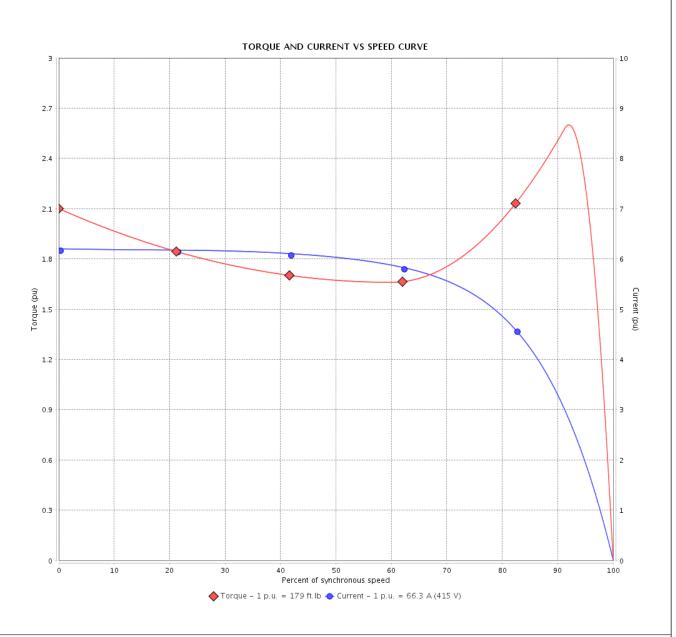
Customer :

Product line : NEMA Premium Efficiency Three- Product

Phase

Product code: 11535069

Catalog #: 05018ET3E326JP-W22



Performance : 415 V 50 Hz 4P IE2 Rated current : 66.3 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 179 ft.lb : F Locked rotor torque : 210 % Service factor : 1.00 Breakdown torque : 260 % Temperature rise : 105 K Rated speed : 1470 rpm Design : B

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



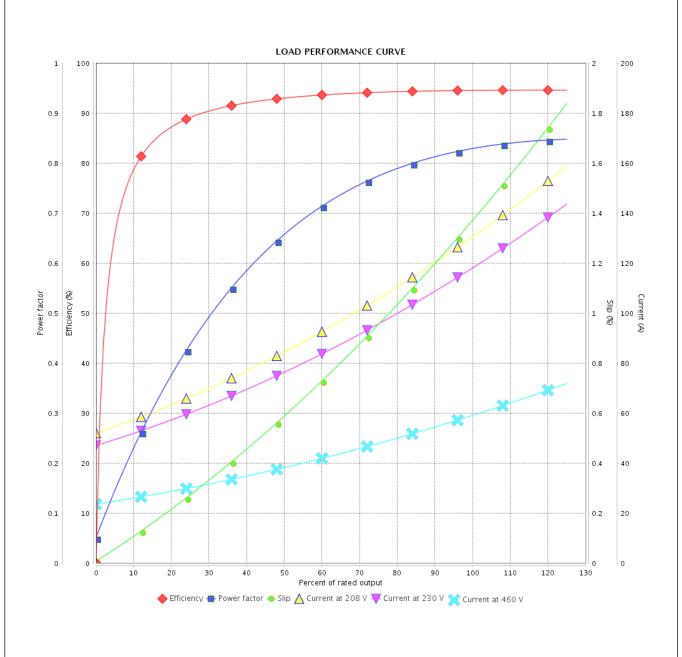
Customer

Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 05018ET3E326JP-W22

11535069



| Performance         |            | : 230/460 V 60 Hz 4P |                                |           |                 |          |  |
|---------------------|------------|----------------------|--------------------------------|-----------|-----------------|----------|--|
| Rated current       |            | 118/59.2 A           | 8/59.2 A Moment of inertia (J) |           | : 9.16 sq.ft.lb |          |  |
| LRC : 6.2           |            | 6.2                  | Duty cycle                     |           | : Cont.(S1)     |          |  |
| Rated torque : 14   |            | 148 ft.lb            | Insulation                     | class     | : F             |          |  |
| Locked rotor torque |            | 229 %                | Service fa                     | ctor      | : 1.25          |          |  |
| Breakdown torque    | :          | 270 %                | Temperature rise               |           | : 80 K          |          |  |
| Rated speed         | :          | 1775 rpm             | Design                         |           | : B             |          |  |
| Rev.                |            | Changes Summary      |                                | Performed | Checked         | Date     |  |
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#### Three Phase Induction Motor - Squirrel Cage



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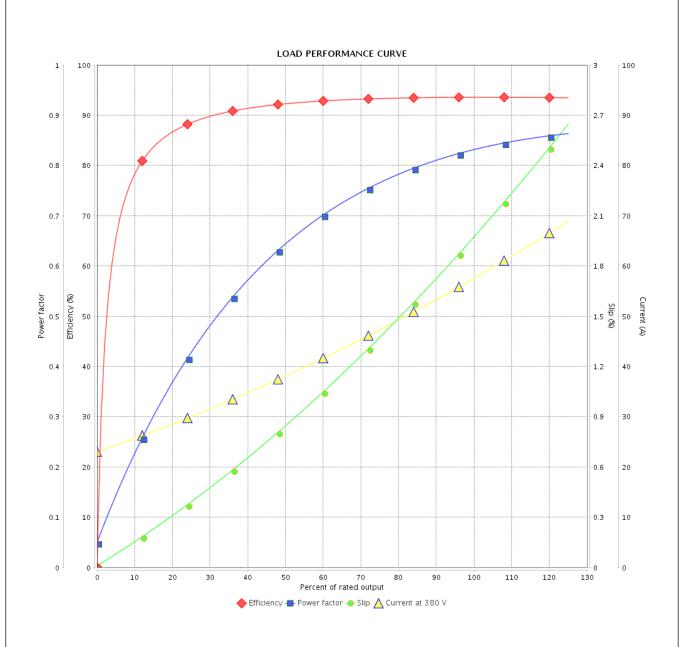
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| Dorformana          | · 200 \/ 50 H= 4D IF2 |                       |           |                 |          |
|---------------------|-----------------------|-----------------------|-----------|-----------------|----------|
| Performance         | : 380 V 50 Hz 4P IE3  |                       |           |                 |          |
| Rated current       | : 58.7 A              | Moment of inertia (J) |           | : 9.16 sq.ft.lb |          |
| LRC                 | : 6.4                 | Duty cycle            |           | : Cont.(S1)     |          |
| Rated torque        | : 143 ft.lb           | Insulation cla        | SS        | : F             |          |
| Locked rotor torque | : 229 %               | Service factor        |           | : 1.00          |          |
| Breakdown torque    | : 260 %               | Temperature rise      |           | : 80 K          |          |
| Rated speed         | : 1470 rpm            | Design                |           | : B             |          |
| Rev.                | Changes Summary       |                       | Performed | Checked         | Date     |
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#### Three Phase Induction Motor - Squirrel Cage

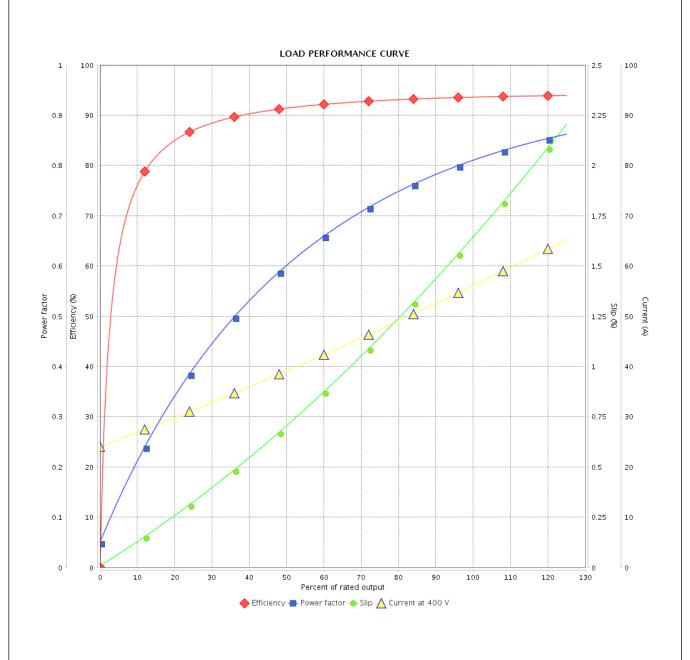


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11535069

Phase

Catalog #: 05018ET3E326JP-W22



| Performance                 | : •        | 400 V 50 Hz 4P IE3 |                  |               |                 |          |
|-----------------------------|------------|--------------------|------------------|---------------|-----------------|----------|
| Rated current               |            | 57.1 A             | Moment o         | f inertia (J) | : 9.16 sq.ft.lb |          |
| LRC : 7.0                   |            | Duty cycle         | <b>;</b>         | : Cont.(S1)   |                 |          |
| Rated torque                | :          | 142 ft.lb          | Insulation       | class         | :F              |          |
| Locked rotor torque : 250 % |            | 250 %              | Service fa       | ctor          | : 1.00          |          |
| Breakdown torque            |            | 300 %              | Temperature rise |               | : 80 K          |          |
| Rated speed                 |            | 1475 rpm           | 5 rpm Design     |               | : B             |          |
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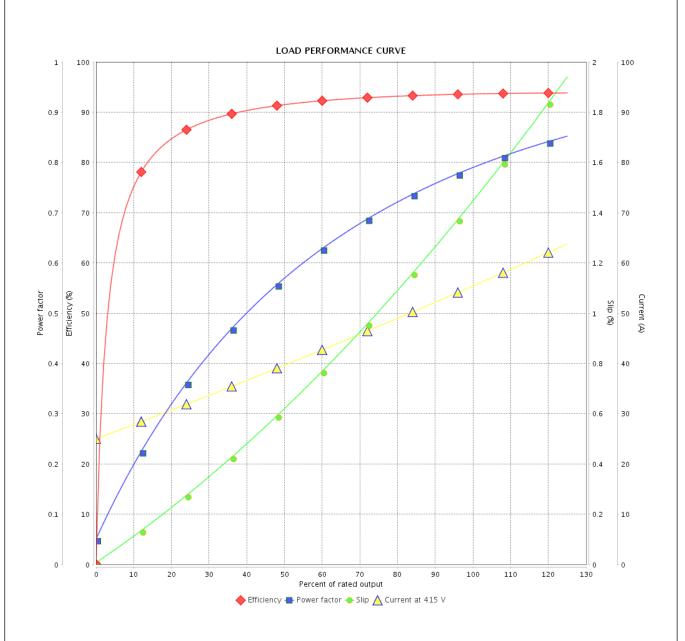
Customer :

Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11535069

Catalog #: 05018ET3E326JP-W22



| Performance         | : 415 V 50 Hz 4P IE3  |                |                 |                 |          |
|---------------------|-----------------------|----------------|-----------------|-----------------|----------|
| Rated current       | : 56.4 A Moment of in |                | ` '             | : 9.16 sq.ft.lb |          |
| LRC                 | : 7.4                 | Duty cycle     |                 | : Cont.(S1)     |          |
| Rated torque        | : 142 ft.lb           | Insulation     | class           | : F             |          |
| Locked rotor torque | : 260 %               | Service factor |                 | : 1.00          |          |
| Breakdown torque    | : 330 % Temperature   |                | ure rise : 80 K | : 80 K          |          |
| Rated speed         | : 1478 rpm            | Design         |                 | : B             |          |
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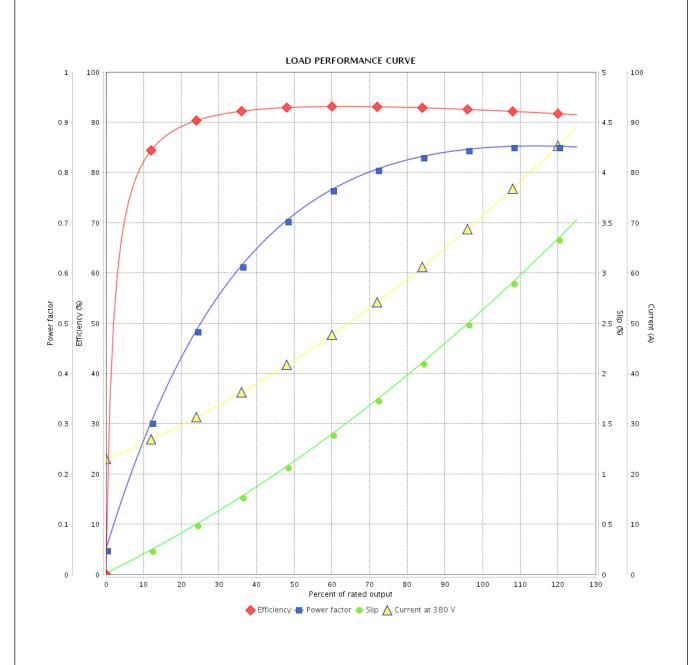


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11535069

Phase

Catalog #: 05018ET3E326JP-W22



| Performance         | : 3        | 80 V 50 Hz 4P IE1 |                  |               |                 |          |
|---------------------|------------|-------------------|------------------|---------------|-----------------|----------|
| Rated current       | : 7        | ′1.6 A            | Moment o         | f inertia (J) | : 9.16 sq.ft.lb |          |
| LRC                 | : 5        | 5.2               | Duty cycle       | ;             | : Cont.(S1)     |          |
| Rated torque        | : 1        | 80 ft.lb          | Insulation       | class         | : F             |          |
| Locked rotor torque | e :1       | 80 %              | Service fa       | ctor          | : 1.00          |          |
| Breakdown torque    | : 2        | 10 %              | Temperature rise |               | : 105 K         |          |
| Rated speed         | : 1        | 460 rpm           | Design           |               | : B             |          |
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#### Three Phase Induction Motor - Squirrel Cage



Customer :

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Product line : NEMA Premium Efficiency Three- Product code :

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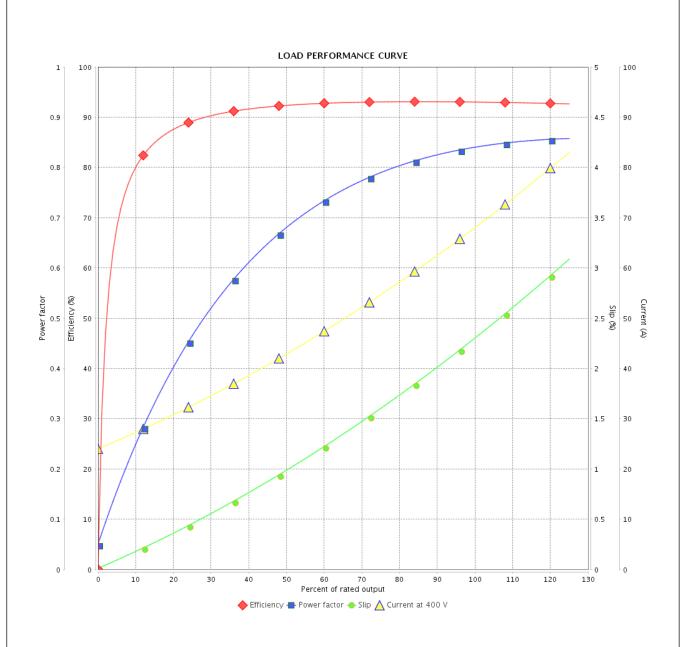
Catalog #: 05018ET3E326JP-W22

11535069

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Revision



Performance : 400 V 50 Hz 4P IE2 Rated current : 68.4 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** Duty cycle : Cont.(S1) : 5.8 Insulation class Rated torque : 179 ft.lb : F Locked rotor torque : 200 % Service factor : 1.00 Breakdown torque : 240 % Temperature rise : 105 K Rated speed : 1465 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

#### Three Phase Induction Motor - Squirrel Cage

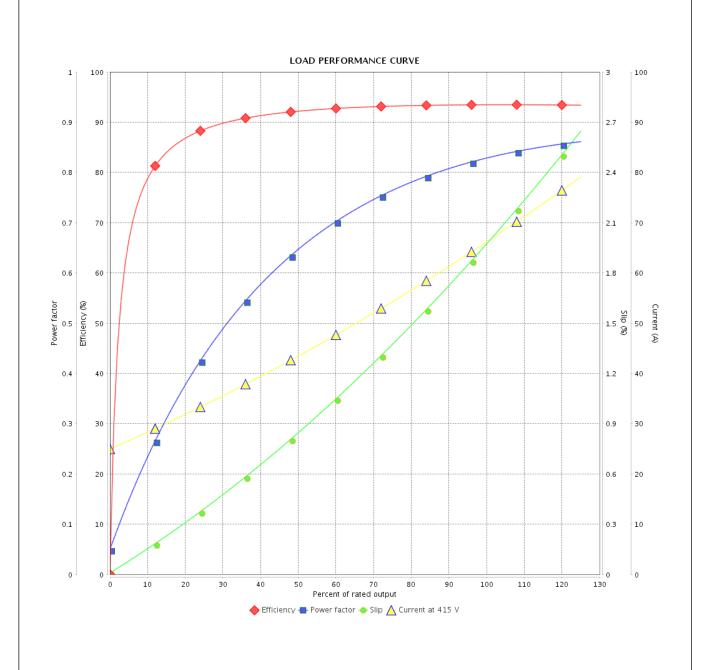


Customer

Product line : NEMA Premium Efficiency Three- Product code : 11535069

Phase

Catalog #: 05018ET3E326JP-W22



| Performance         | :          | 415 V 50 Hz 4P IE2 |                  |               |                 |          |
|---------------------|------------|--------------------|------------------|---------------|-----------------|----------|
| Rated current       | :          | 66.3 A             | Moment o         | f inertia (J) | : 9.16 sq.ft.lb |          |
| LRC                 | :          | 6.2                | Duty cycle       | <b>)</b>      | : Cont.(S1)     |          |
| Rated torque        | :          | 179 ft.lb          | Insulation       | class         | :F              |          |
| Locked rotor torque | e :        | 210 %              | Service fa       | ctor          | : 1.00          |          |
| Breakdown torque    | :          | 260 %              | Temperature rise |               | : 105 K         |          |
| Rated speed         | :          | 1470 rpm           | Design           |               | : B             |          |
| Rev.                |            | Changes Summary    |                  | Performed     | Checked         | Date     |
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### Three Phase Induction Motor - Squirrel Cage

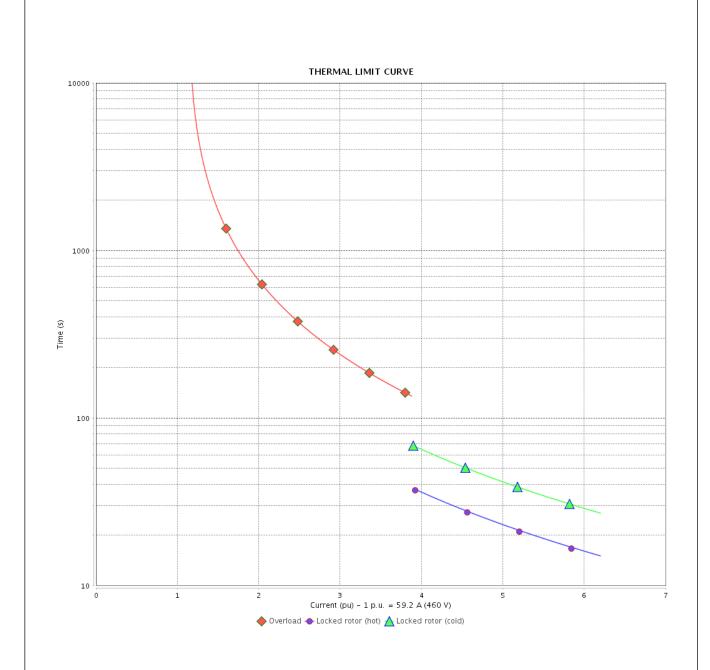


| Customer  | :  |   |                |  |          |
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| Product line  | : NEMA Premium Efficien<br>Phase   |   | Product code : | 11535069<br>05018ET3E3   | 26JP-W22 |
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|   |  |   |                |  |          |
| Dorformon   | : 230/460 V 60 Hz 4P   |   |                |  |          |
| Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 230/460 V 60 HZ 4P<br>: 118/59.2 A<br>: 6.2<br>: 148 ft.lb<br>: 229 %<br>: 270 %<br>: 1775 rpm | Moment o<br>Duty cycle<br>Insulation<br>Service fa<br>Temperatu<br>Design | class<br>ctor  | : 9.16 sq.ft.lb<br>: Cont.(S1)<br>: F<br>: 1.25<br>: 80 K<br>: B |          |
| Heating constant Cooling constant Rev.  | Changes Summary  |   | Performed      | Checked  | Date     |
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### Three Phase Induction Motor - Squirrel Cage



Customer



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

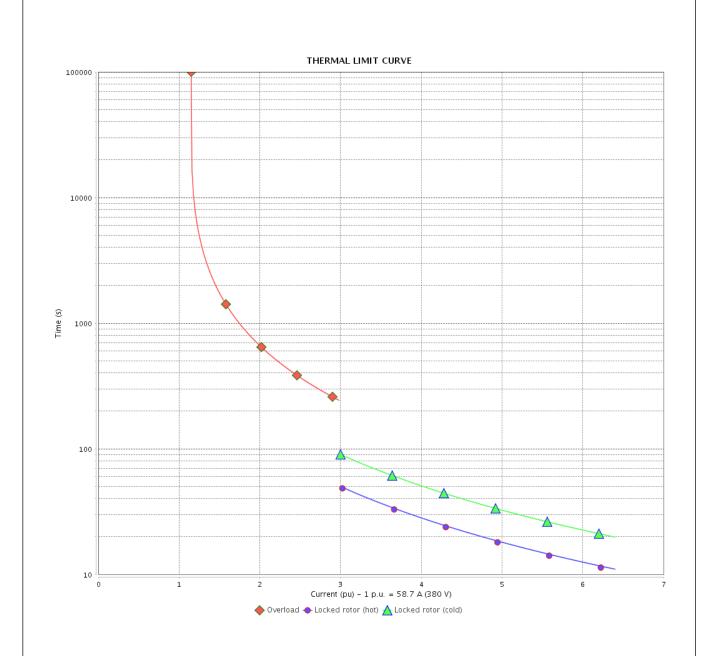


| Customer                       |            | :                                  |                          |                |                    |           |
|--------------------------------|------------|------------------------------------|--------------------------|----------------|--------------------|-----------|
| Product line                   |            | : NEMA Premium Efficiency<br>Phase |                          | Product code : | 11535069           |           |
|                                |            |                                    |                          | Catalog # :    | 05018ET3E32        | :0JF-VVZZ |
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|                                |            |                                    |                          |                |                    |           |
| Performance                    |            | : 380 V 50 Hz 4P IE3               |                          |                |                    |           |
| Rated current                  |            | : 58.7 A                           | Moment of                | of inertia (J) | : 9.16 sq.ft.lb    |           |
| LRC<br>Rated torque            |            | : 6.4<br>: 143 ft.lb               | Duty cycle<br>Insulation | е              | : Cont.(S1)<br>: F |           |
| Locked rotor torq              | que        | : 229 %                            | Service fa               | actor          | : 1.00             |           |
| Breakdown torqu<br>Rated speed |            | : 260 %<br>: 1470 rpm              | Temperat<br>Design       | ure rise       | : 80 K<br>: B      |           |
| Heating constant               |            | o . p                              | Doolgii                  |                |                    |           |
| Cooling constant               |            |                                    |                          |                |                    |           |
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| Checked by                     | 12/04/2022 |                                    |                          |                | Page<br>18 / 36    | Revision  |

### Three Phase Induction Motor - Squirrel Cage



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### Three Phase Induction Motor - Squirrel Cage

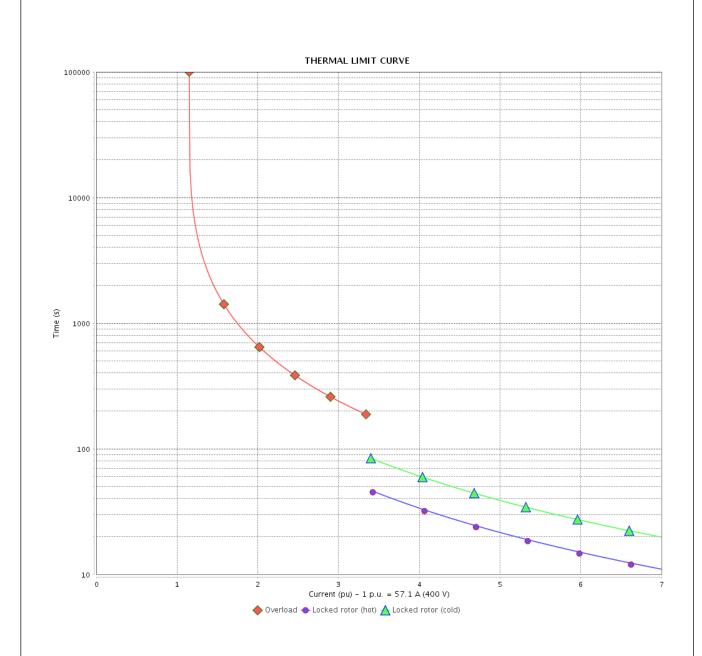


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| Product line                      |            | : NEMA Premium Efficiency<br>Phase |                          | Product code : Catalog # : | 11535069<br>05018ET3E32        | 26.IP-W22 |
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| Performance                       |            | : 400 V 50 Hz 4P IE3               | T                        |                            |                                |           |
| Rated current<br>LRC              |            | : 57.1 A<br>: 7.0                  | Moment of Duty cycle     | of inertia (J)<br>e        | : 9.16 sq.ft.lb<br>: Cont.(S1) |           |
| Rated torque<br>Locked rotor tord |            | : 142 ft.lb<br>: 250 %             | Insulation<br>Service fa |                            | : F<br>: 1.00                  |           |
| Breakdown torqu                   |            | : 300 %                            | Temperat                 |                            | : 80 K                         |           |
| Rated speed                       |            | : 1475 rpm                         | Design                   |                            | : B                            |           |
| Heating constan                   |            |                                    |                          |                            |                                |           |
| Cooling constant                  | τ          | Changes Summary                    |                          | Performed                  | Checked                        | Date      |
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### Three Phase Induction Motor - Squirrel Cage



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### Three Phase Induction Motor - Squirrel Cage

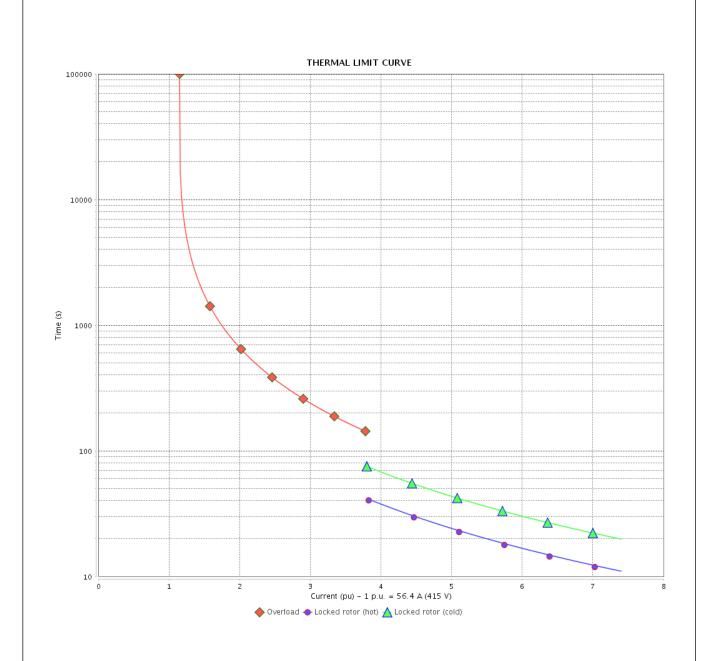


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| Product line                   |            | : NEMA Premium Efficiency<br>Phase |                          | Product code : Catalog # : | 11535069<br>05018ET3E32 | 26JP-W22 |
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| Performance                    |            | : 415 V 50 Hz 4P IE3               |                          |                            |                         |          |
| Rated current                  |            | : 56.4 A                           | Moment of                | of inertia (J)             | : 9.16 sq.ft.lb         |          |
| LRC<br>Rated torque            |            | : 7.4<br>: 142 ft.lb               | Duty cycle<br>Insulation |                            | : Cont.(S1)<br>: F      |          |
| Locked rotor tord              | que        | : 260 %                            | Service fa               | actor                      | : 1.00                  |          |
| Breakdown torqu<br>Rated speed |            | : 330 %<br>: 1478 rpm              | Temperat<br>Design       | ure rise                   | : 80 K<br>: B           |          |
| Heating constan                |            | •                                  | - J                      |                            |                         |          |
| Cooling constant               |            |                                    |                          |                            |                         |          |
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### Three Phase Induction Motor - Squirrel Cage



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### Three Phase Induction Motor - Squirrel Cage

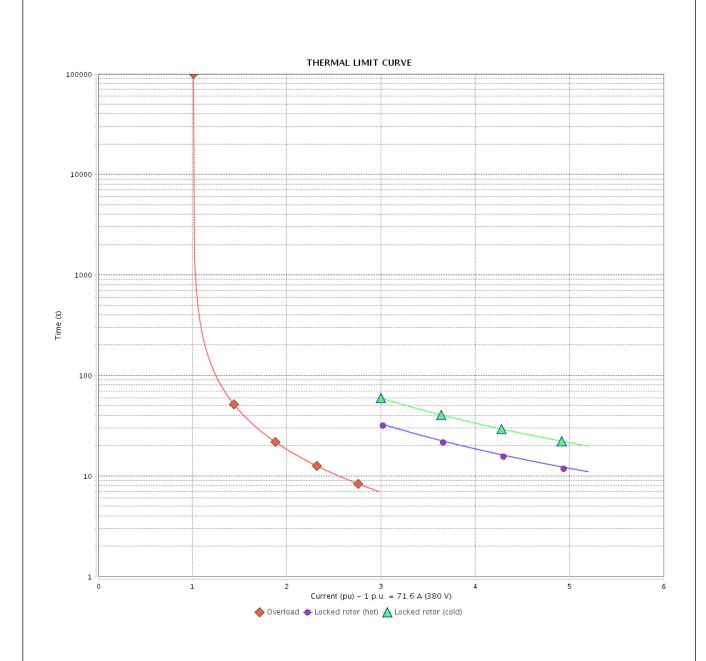


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| Product line  | : NEMA Premium Efficiency<br>Phase                                   |  | 11535069  |          |
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|   |  |  |   |          |
| Performance   | : 380 V 50 Hz 4P IE1   |  |   |          |
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 71.6 A<br>: 5.2<br>: 180 ft.lb<br>: 180 %<br>: 210 %<br>: 1460 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design | : 9.16 sq.ft.lb<br>: Cont.(S1)<br>: F<br>: 1.00<br>: 105 K<br>: B |          |
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| Heating constant Cooling constant   |  |  |   |          |
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### Three Phase Induction Motor - Squirrel Cage

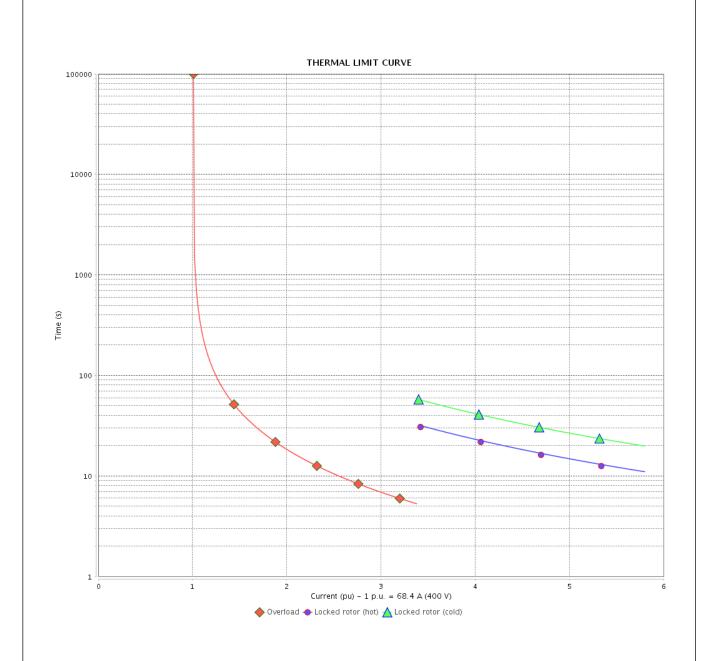


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| Product line                      |            | : NEMA Premium Efficiency<br>Phase |                          | Product code : Catalog # : | 11535069<br>05018ET3E32        | 26JP-W22 |
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| Performance                       |            | : 400 V 50 Hz 4P IE2               |                          | <b></b>                    |                                |          |
| Rated current<br>LRC              |            | : 68.4 A<br>: 5.8                  | Duty cycle               |                            | : 9.16 sq.ft.lb<br>: Cont.(S1) |          |
| Rated torque<br>Locked rotor tord |            | : 179 ft.lb<br>: 200 %             | Insulation<br>Service fa |                            | : F<br>: 1.00                  |          |
| Breakdown torqu                   | ue         | : 240 %                            | Temperat                 |                            | : 105 K                        |          |
| Rated speed                       |            | : 1465 rpm                         | Design                   |                            | : B                            |          |
| Heating constant                  |            |                                    |                          |                            |                                |          |
| Cooling constant                  | l .        | Changes Summary                    |                          | Performed                  | Checked                        | Date     |
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### Three Phase Induction Motor - Squirrel Cage

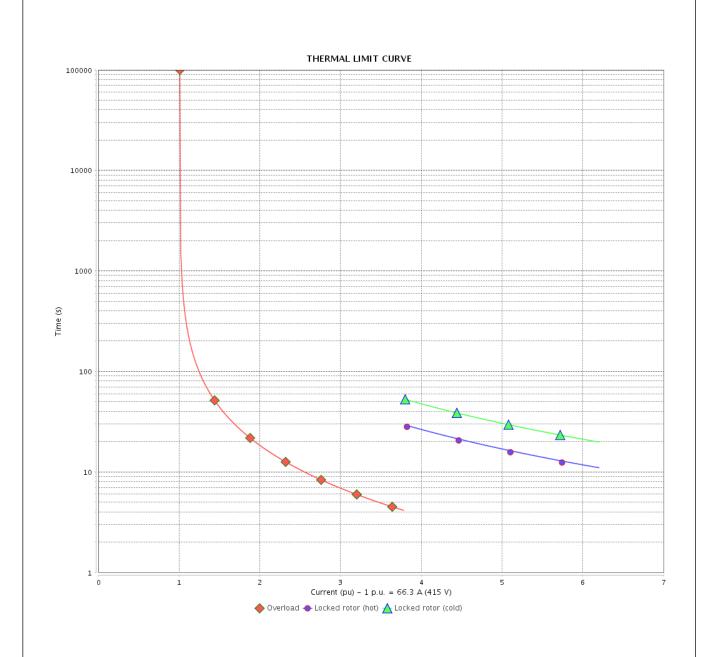


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| Performance                             |              | 15 V 50 Hz 4P IE2       | T                       |                |                                |          |
| Rated current<br>LRC                    | : 66<br>: 6. | 6.3 A<br>2              | Moment o Duty cycle     | f inertia (J)  | : 9.16 sq.ft.lb<br>: Cont.(S1) |          |
| Rated torque                            | : 17         | 79 ft.lb                | Insulation              | class          | : F                            |          |
| Locked rotor torque<br>Breakdown torque |              | 10 %<br>60 %            | Service fa<br>Temperatu |                | : 1.00<br>: 105 K              |          |
| Rated speed                             |              | 470 rpm                 | Design                  |                | : B                            |          |
| Heating constant                        |              |                         |                         |                |                                |          |
| Cooling constant                        |              | Channa O                |                         | Deutsen        | Ohl !                          | Dete     |
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#### Three Phase Induction Motor - Squirrel Cage



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| Date         | 12/04/2022 |                 |           | 29 / 36 |          |

#### Three Phase Induction Motor - Squirrel Cage



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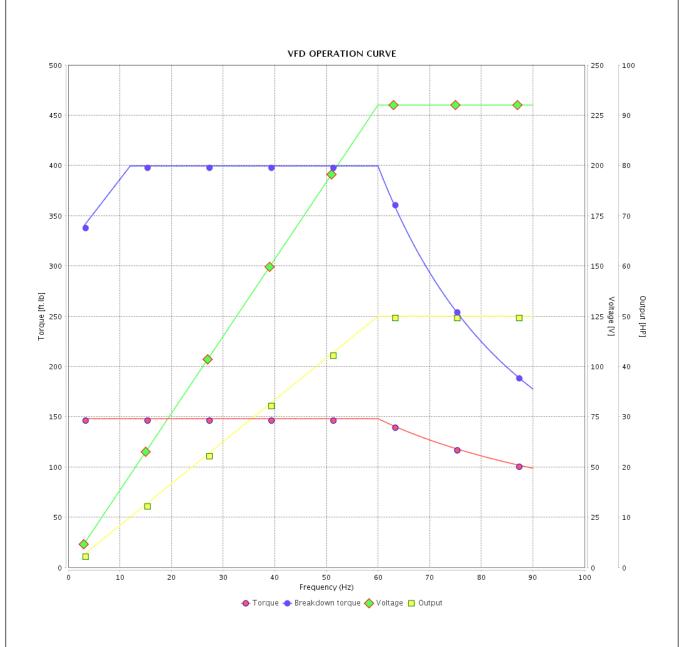
Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11535069

Catalog #: 05018ET3E326JP-W22

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Performance : 230/460 V 60 Hz 4P : 118/59.2 A Rated current Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 6.2 Duty cycle : Cont.(S1) Insulation class : 148 ft.lb : F Rated torque Locked rotor torque : 229 % Service factor : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1775 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Page Checked by Revision

### Three Phase Induction Motor - Squirrel Cage



Customer

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Product line : NEMA Premium Efficiency Three- Product code : 11535069

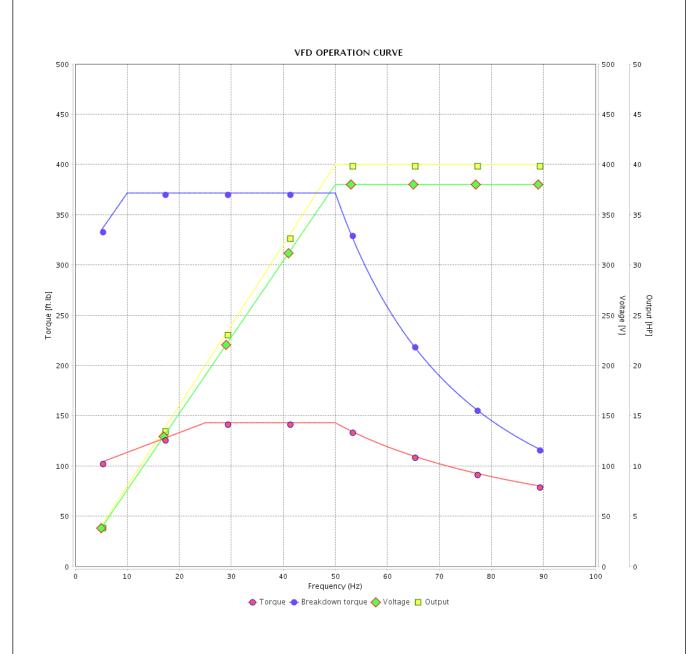
Phase

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| Performance : 380 V 50 Hz 4P IE3   |  |  |           |  |      |
|--|--|--|-----------|--|------|
| Rated current<br>LRC<br>Rated torque<br>Locked rotor torque<br>Breakdown torque<br>Rated speed | : 58.7 A<br>: 6.4<br>: 143 ft.lb<br>: 229 %<br>: 260 %<br>: 1470 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design |           | : 9.16 sq.ft.lb<br>: Cont.(S1)<br>: F<br>: 1.00<br>: 80 K<br>: B |      |
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#### Three Phase Induction Motor - Squirrel Cage



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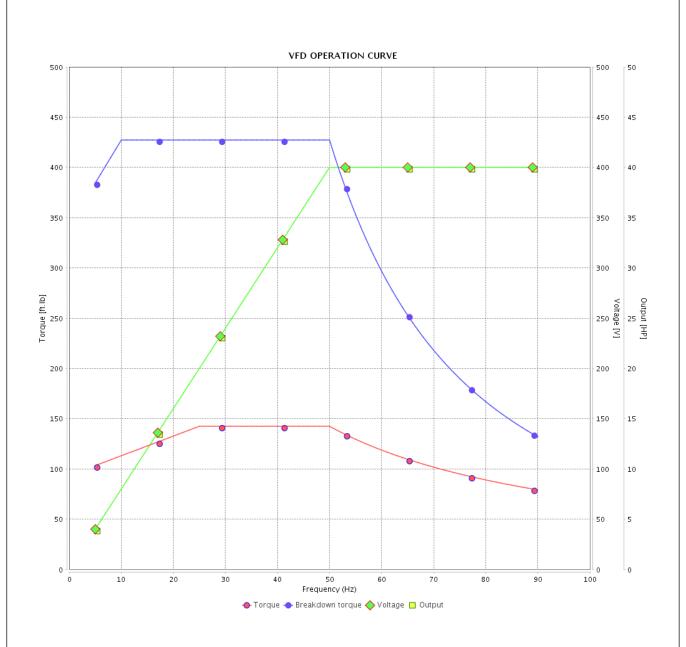
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Product line : NEMA Premium Efficiency Three-

Phase

Product code: 11535069

Catalog #: 05018ET3E326JP-W22



Performance : 400 V 50 Hz 4P IE3 Rated current : 57.1 A Moment of inertia (J) : 9.16 sq.ft.lb **LRC** : 7.0 Duty cycle : Cont.(S1) Insulation class : 142 ft.lb : F Rated torque Locked rotor torque : 250 % Service factor : 1.00 Breakdown torque : 300 % Temperature rise : 80 K Rated speed : 1475 rpm Design : B Rev. Performed Checked **Changes Summary** Date Performed by

#### Three Phase Induction Motor - Squirrel Cage



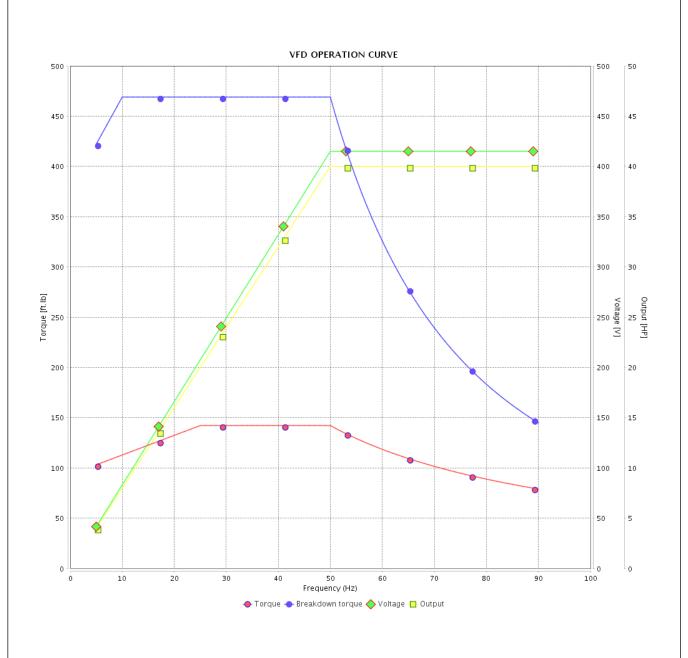
Customer

Product line : NEMA Premium Efficiency Three- Product code : 11535069

Phase

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| Performance  | : 415 V 50 Hz 4P IE3   |  |           |  |          |
|--|--|--|-----------|--|----------|
| Rated current<br>LRC<br>Rated torque<br>Locked rotor torque<br>Breakdown torque<br>Rated speed | : 56.4 A<br>: 7.4<br>: 142 ft.lb<br>: 260 %<br>: 330 %<br>: 1478 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design |           | : 9.16 sq.ft.lb<br>: Cont.(S1)<br>: F<br>: 1.00<br>: 80 K<br>: B |          |
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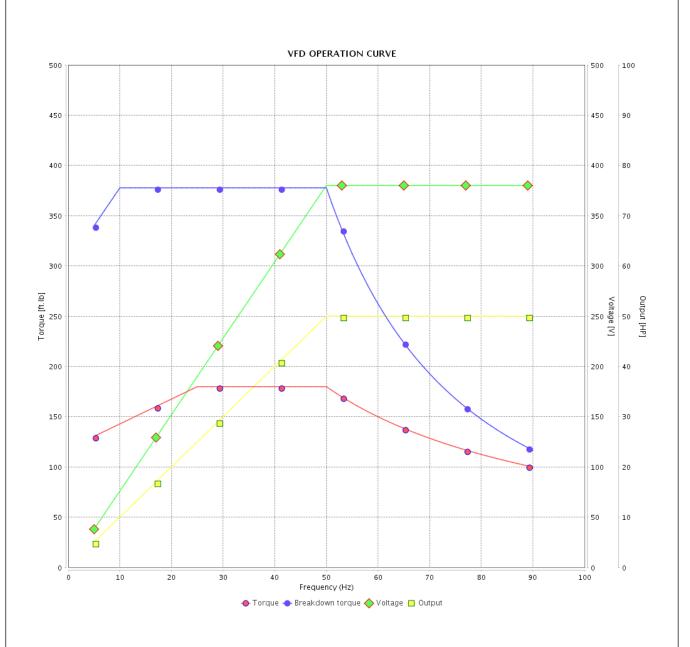
Product line : NEMA Premium Efficiency Three-

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| Performance  | : 380 V 50 Hz 4P IE1   |  |           |   |          |
|--|--|--|-----------|---|----------|
| Rated current<br>LRC<br>Rated torque<br>Locked rotor torque<br>Breakdown torque<br>Rated speed | : 71.6 A<br>: 5.2<br>: 180 ft.lb<br>: 180 %<br>: 210 %<br>: 1460 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design |           | : 9.16 sq.ft.lb<br>: Cont.(S1)<br>: F<br>: 1.00<br>: 105 K<br>: B |          |
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#### Three Phase Induction Motor - Squirrel Cage



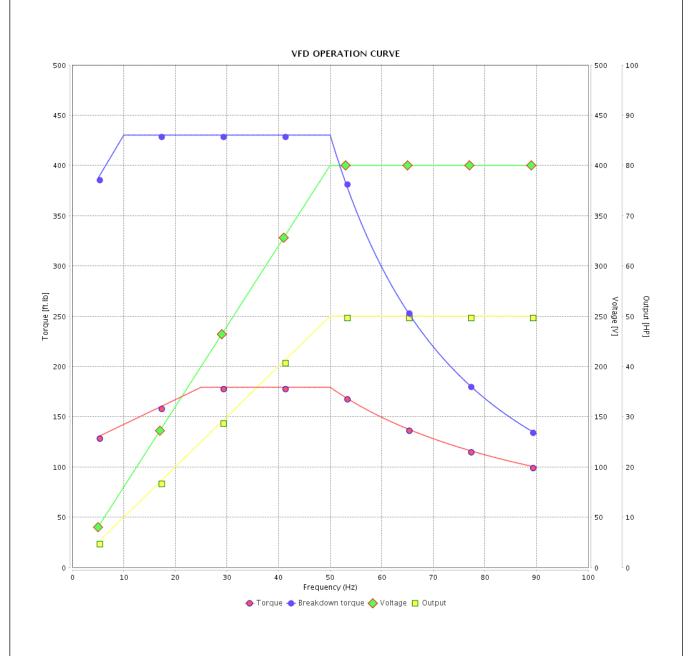
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Product line : NEMA Premium Efficiency Three- Product code : 11535069

Phase

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| Performance  | : 400 V 50 Hz 4P IE2   |  |           |   |          |
|--|--|--|-----------|---|----------|
| Rated current<br>LRC<br>Rated torque<br>Locked rotor torque<br>Breakdown torque<br>Rated speed | : 68.4 A<br>: 5.8<br>: 179 ft.lb<br>: 200 %<br>: 240 %<br>: 1465 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design |           | : 9.16 sq.ft.lb<br>: Cont.(S1)<br>: F<br>: 1.00<br>: 105 K<br>: B |          |
| Rev.   | Rev. Changes Summary   |  | Performed | Checked   | Date     |
| Performed by   |  |  |           |   |          |
| Checked by   |  |  |           | Page  | Revision |

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#### Three Phase Induction Motor - Squirrel Cage



Customer :

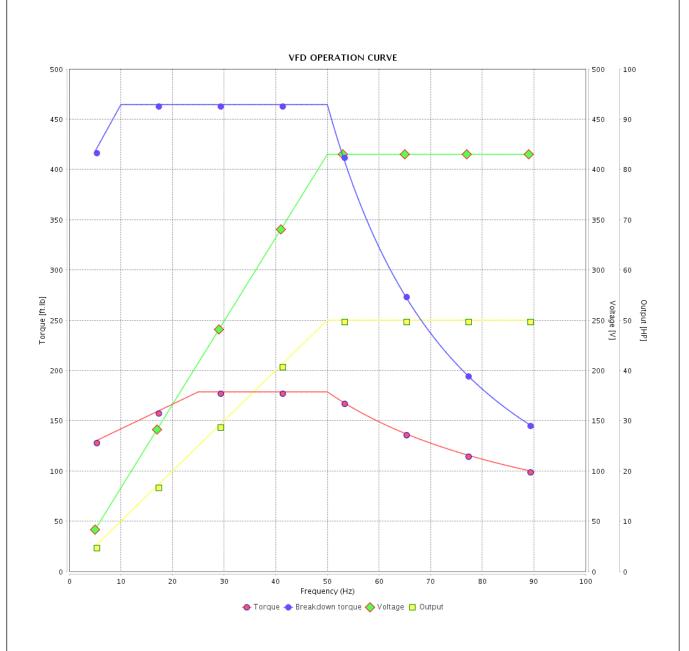
Product line : NEMA Premium Efficiency Three- Product code :

Phase

Catalog #: 05018ET3E326JP-W22

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11535069



| Performance   | : 415 V 50 Hz 4P IE2   |  |           |   |          |
|---|--|--|-----------|---|----------|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 66.3 A<br>: 6.2<br>: 179 ft.lb<br>: 210 %<br>: 260 %<br>: 1470 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design |           | : 9.16 sq.ft.lb<br>: Cont.(S1)<br>: F<br>: 1.00<br>: 105 K<br>: B |          |
| Rev.  | Changes Summary  |  | Performed | Checked   | Date     |
| Performed by  |  |  |           |   |          |
| Checked by  |  |  |           | Page  | Revision |

12/04/2022

