



## TYPICAL MOTOR PERFORMANCE DATA

Model: MNET00156A2TBR

Serie: NEMA Elite

|             |            |            |        |
|-------------|------------|------------|--------|
| Issued Date | 11/14/2022 | Doc. #     | 390-R0 |
| Issued By   | LD         | Issued Rev | 0      |

| HP        | kW    | Pole       | FL RPM | Frame | Voltage   | Hz          | Phase    | FL Amps            |
|-----------|-------|------------|--------|-------|-----------|-------------|----------|--------------------|
| 15.00     | 11.00 | 6          | 1175   | 284T  | 230/460   | 60          | 3        | 40/19.8            |
| Enclosure | IP    | Ins. Class | S.F.   | Duty  | Nom. Eff. | Nema Design | kVA Code | Ambient Temp. (°C) |
| TEFC      | 55    | F (*)      | 1.15   | CONT  | 91.7      | B           | G        | 40 C               |

\* Inventer Duty

| Load         | HP    | kW    | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|-------|---------|----------------|------------------|
| Full Load    | 15.00 | 11.00 | 19.8    | 91.1           | 77.8             |
| ¾ Load       | 11.25 | 8.40  | 16.1    | 90.7           | 71.7             |
| ½ Load       | 7.50  | 5.60  | 13.1    | 88.8           | 60.1             |
| ¼ Load       | 3.75  | 2.80  | 11.1    | 81.6           | 38.7             |
| No Load      |       |       | 9.2     |                | 5.7              |
| Locked Rotor |       |       | 116.0   |                | 46.8             |

| Torque               |                         |                    |                       | Rotor Inertia<br>(lb-ft²) |
|----------------------|-------------------------|--------------------|-----------------------|---------------------------|
| Full Load<br>(lb-ft) | Locked Rotor<br>(% FLT) | Pull Up<br>(% FLT) | Break Down<br>(% FLT) |                           |
| 67.00                | 240.0                   | 215.0              | 260.0                 | 4.68                      |

| Safe Stall Time(s)<br>Cold / Hot | Sound Pressure<br>dB(A) @ 1M | Bearings* |         | Approx. Motor Weight<br>(lbs) |
|----------------------------------|------------------------------|-----------|---------|-------------------------------|
|                                  |                              | DE        | NDE     |                               |
| 30 / 22                          | -                            | 6310ZC3   | 6310ZC3 | 443                           |

\*Bearings are the only recommended spare part(s).

Included Accessories:

All characteristics are average expected values.

|             |  |                  |  |             |                |
|-------------|--|------------------|--|-------------|----------------|
| Engineering |  | Doc. Written By  |  | Doc.# / Rev | MNET00156A2TBR |
| Engr. Date  |  | Doc. Approved By |  | Doc. Issued |                |



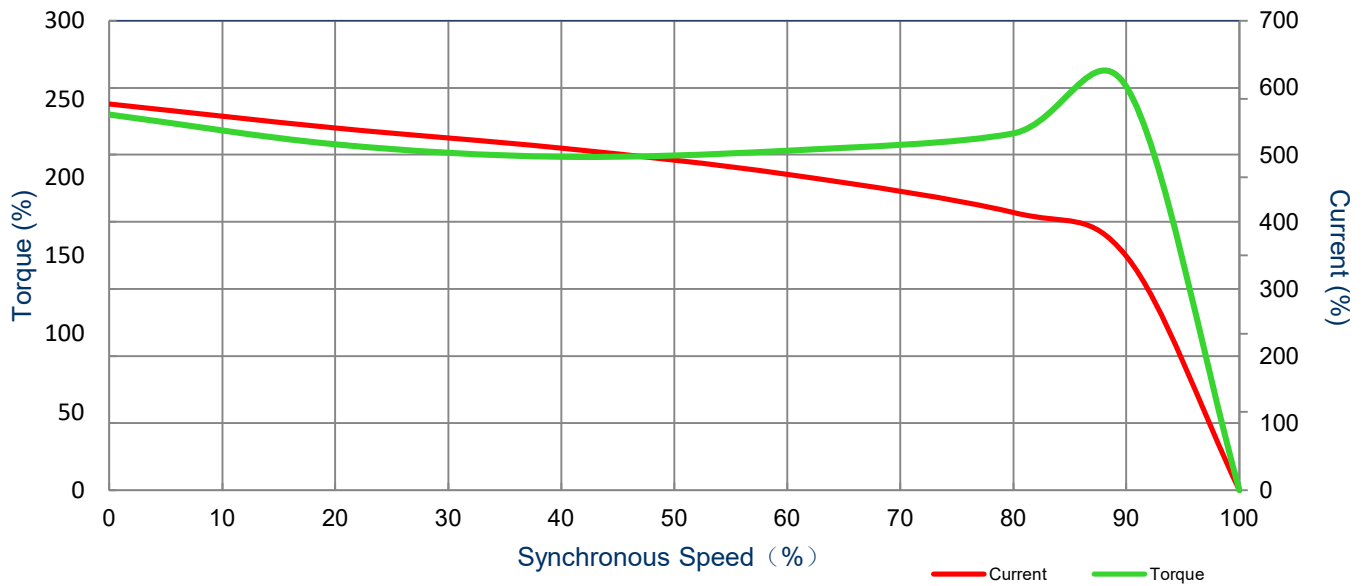
## SPEED TORQUE/CURRENT CURVE

Model: MNET00156A2TBR

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| HP                | kW                                  | Pole              | FL RPM           | Frame       | Voltage        | Hz          | Phase    | FL Amps            |
|-------------------|-------------------------------------|-------------------|------------------|-------------|----------------|-------------|----------|--------------------|
| 15.00             | 11.00                               | 6                 | 1175             | 284T        | 230/460        | 60          | 3        | 40/19.8            |
| Enclosure         | IP                                  | Ins. Class        | S.F.             | Duty        | Nom. Eff.      | Nema Design | kVA Code | Ambient Temp. (°C) |
| TEFC              | 55                                  | F (*)             | 1.15             | CONT        | 91.7           | B           | G        | 40 C               |
| Locked Rotor Amps | Rotor Inertia (lb-ft <sup>2</sup> ) | Torque            |                  |             |                |             |          |                    |
|                   |                                     | Full Load (lb-ft) | Locked Rotor (%) | Pull Up (%) | Break Down (%) |             |          |                    |
| 116.0             | 4.68                                | 67                | 240.0            | 215.0       | 260.0          |             |          |                    |



All characteristics are average expected values.

|             |                  |             |                |
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|-----------|-------|------------|--------|-------|-----------|-------------|----------|--------------------|
| HP        | kW    | Pole       | FL RPM | Frame | Voltage   | Hz          | Phase    | FL Amps            |
| 15.00     | 11.00 | 6          | 960    | 284T  | 190/380   | 50          | 3        | 48/24              |
| Enclosure | IP    | Ins. Class | S.F.   | Duty  | Nom. Eff. | Nema Design | kVA Code | Ambient Temp. (°C) |
| TEFC      | 55    | F (*)      | 1.0    | CONT  | 88.5      | B           | G        | 40 C               |

\* Inventer Duty

|              |       |       |         |                |                  |
|--------------|-------|-------|---------|----------------|------------------|
| Load         | HP    | kW    | Amperes | Efficiency (%) | Power Factor (%) |
| Full Load    | 15.00 | 11.00 | 24.0    | 91.7           | 75.5             |
| ¾ Load       | 11.25 | 8.40  | 18.5    | 92             | 71.5             |
| ½ Load       | 7.50  | 5.60  | 14.3    | 91.2           | 62.6             |
| ¼ Load       | 3.75  | 2.80  | 9.7     | 83.6           | 52.2             |
| No Load      |       |       | 9.1     |                | 5.7              |
| Locked Rotor |       |       | 130.0   |                | 47.1             |

|                      |                         |                    |                       |                           |
|----------------------|-------------------------|--------------------|-----------------------|---------------------------|
| Torque               |                         |                    |                       | Rotor Inertia<br>(lb-ft²) |
| Full Load<br>(lb-ft) | Locked Rotor<br>(% FLT) | Pull Up<br>(% FLT) | Break Down<br>(% FLT) |                           |
| 82.10                | 185.0                   | 175.0              | 230.0                 | 4.68                      |

|                    |                              |           |         |                               |
|--------------------|------------------------------|-----------|---------|-------------------------------|
| Safe Stall Time(s) | Sound Pressure<br>dB(A) @ 1M | Bearings* |         | Approx. Motor Weight<br>(lbs) |
| Cold / Hot         |                              | DE        | NDE     |                               |
| 27 / 17            | -                            | 6310ZC3   | 6310ZC3 | 443                           |

\*Bearings are the only recommended spare part(s).

#### Included Accessories:

All characteristics are average expected values.

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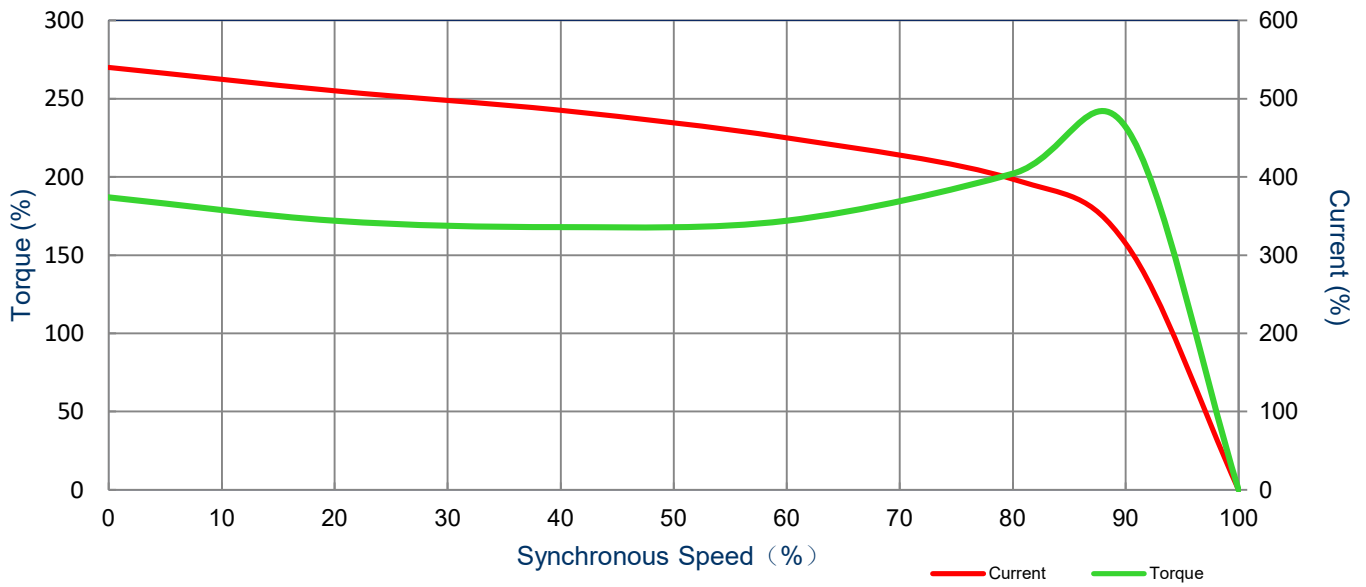
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Serie: NEMA Elite

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| HP                | kW                    | Pole              | FL RPM           | Frame | Voltage   | Hz          | Phase          | FL Amps            |
|-------------------|-----------------------|-------------------|------------------|-------|-----------|-------------|----------------|--------------------|
| 15.00             | 11                    | 6                 | 960              | 284T  | 190/380   | 50          | 3              | 48/24              |
| Enclosure         | IP                    | Ins. Class        | S.F.             | Duty  | Nom. Eff. | Nema Design | kVA Code       | Ambient Temp. (°C) |
| TEFC              | 55                    | F (*)             | 1.0              | CONT  | 88.5      | B           | G              | 40 C               |
| Locked Rotor Amps | Rotor Inertia (Kg-m2) | Torque            |                  |       |           | Pull Up (%) | Break Down (%) |                    |
|                   |                       | Full Load (lb-ft) | Locked Rotor (%) |       |           |             |                |                    |
| 130.0             | 4.68                  | 82.1              | 185.0            |       | 175.0     | 230.0       |                |                    |



All characteristics are average expected values.

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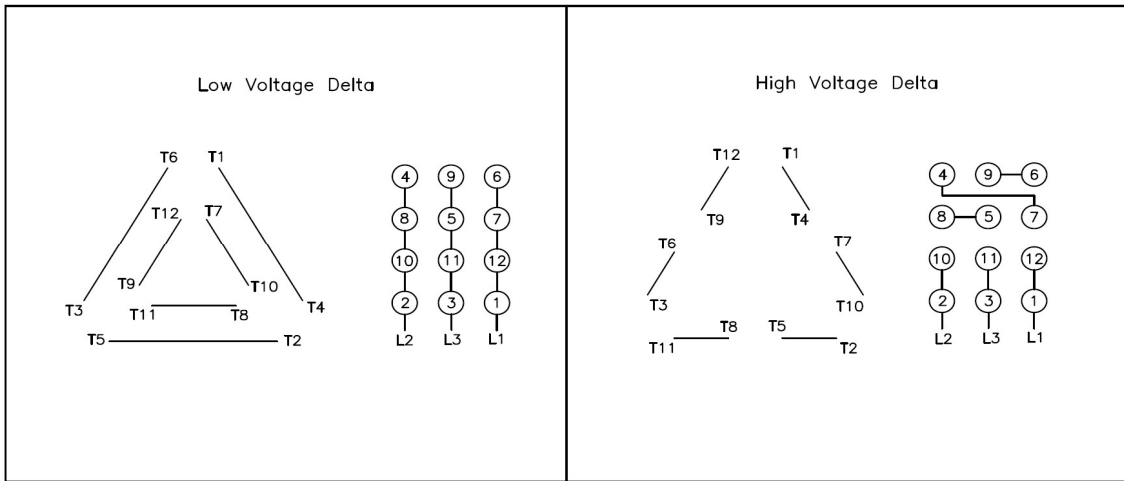
|             |            |            |        |
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## Motor Connection Diagram

Model: MNET00156A2TBR

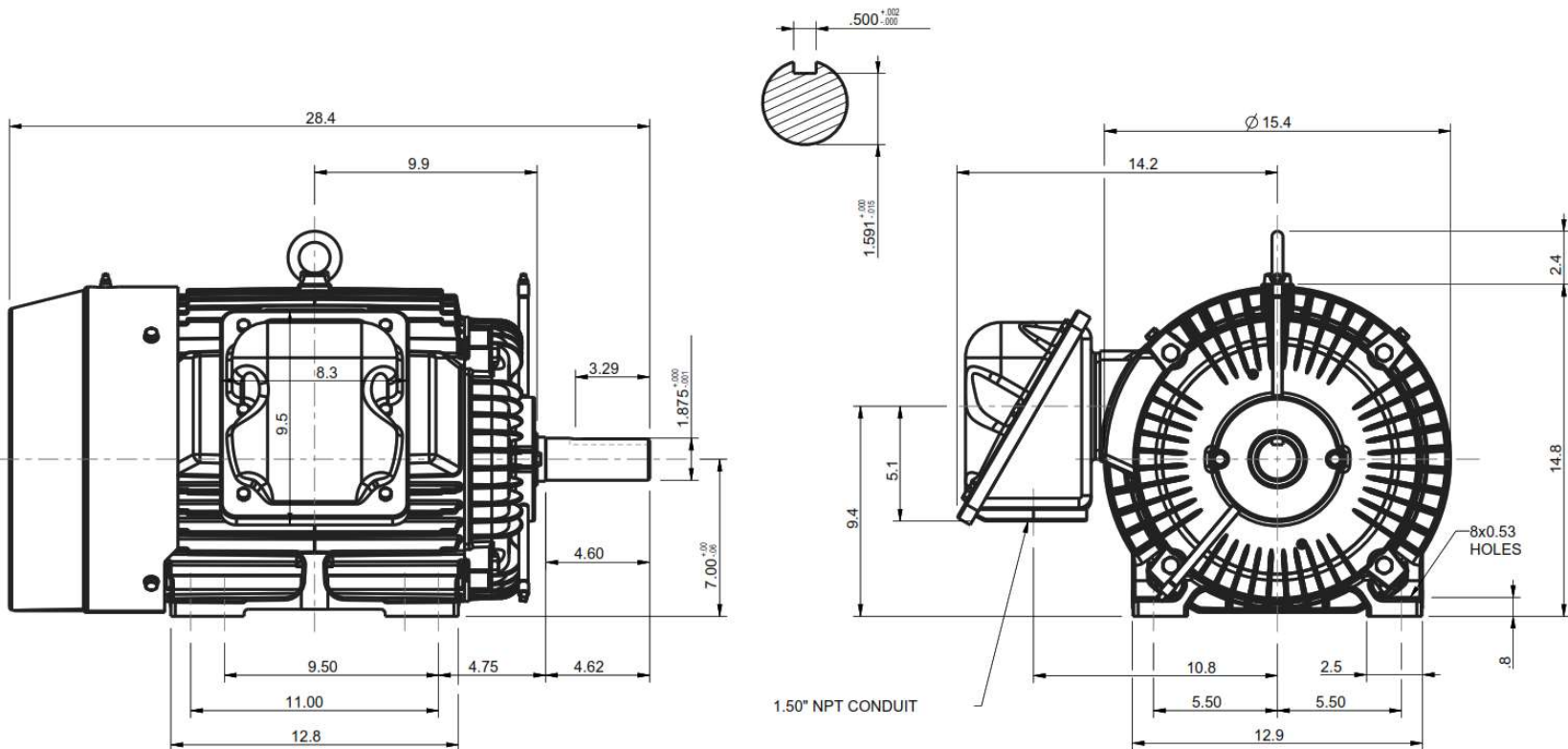
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### 12 Leads Connection Diagram



All characteristics are average expected values.

|             |  |                  |  |             |                |
|-------------|--|------------------|--|-------------|----------------|
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|  |   |  |   |             |         |    |
|--|---|--|---|-------------|---------|----|
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| ROTATION FROM NDE  |   |  | 1. MAIN CONDUIT BOX MAY BE ROTATED IN 90 DEGREE INCREMENTS  |             |         |    |
| CCW  | CW  |  | 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE. |             |         |    |
| <br><b>X</b>              |  |  |   |             |         |    |
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| DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED |   |  | <b>X</b>  | CERTIFIED   |         |    |
|                           |   | <b>TOTALLY ENCLOSED FAN COOLED<br/>         HORIZONTAL FOOT MOUNTED<br/>         3 PHASE INDUCTION MOTOR</b>   | Drawing #: MNET00156A2TBR   |             |         |    |
|  |   |  | Rev. Date:  | 11/14/2022  | Rev. #: | 0  |
|  |   |  | Standard:   | NEMA        | Mount.: | F1 |
|  |   |  | Frame   | 284T - 256T | Per.:   | LD |