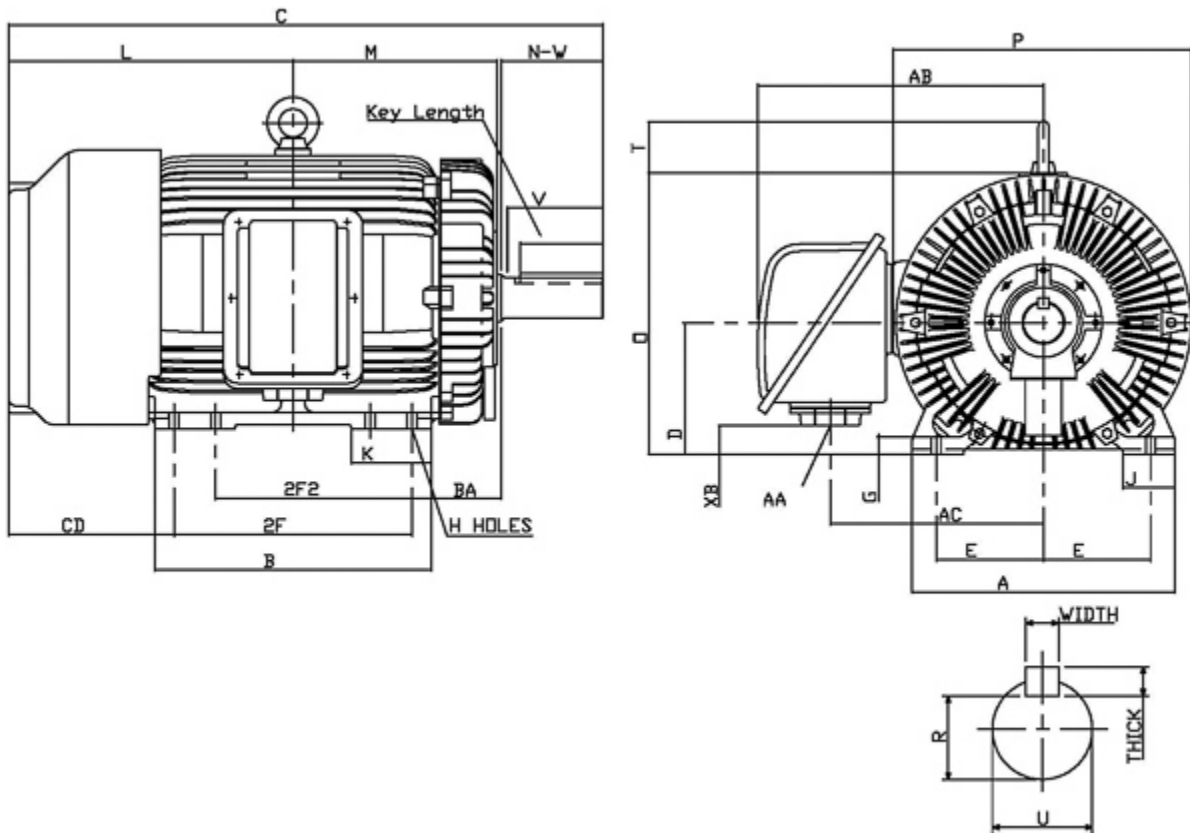


### Dimensional Drawing

| Catalogue | Model  | HP  | Pole | kW  | Rating     | Voltage | Hz | RPM |
|-----------|--------|-----|------|-----|------------|---------|----|-----|
| PDH15085R | AEHH8N | 150 | 8    | 112 | Continuous | 575 V   | 60 | 900 |



| Frame Size       | Mounting |      |          |         |                    | A           | B          | C     | CD                           | D          |         |
|------------------|----------|------|----------|---------|--------------------|-------------|------------|-------|------------------------------|------------|---------|
|                  | E        | 2F   | 2F2      | H       | BA                 |             |            |       |                              |            |         |
| 449T             | 9        | 25   | 20       | 0.81    | 7.5                | 22.05       | 27.95      | 54.9  | 13.9                         | 11         |         |
| G                | J        | K    | L        | M       | O                  | P           | T          | Key   |                              |            | Keyseat |
| 1.4              | 4.35     | 8.25 | 26.4     | 19.65   | 23.55              | 24.75       | 4.35       | Width | Thick                        | Length     | R       |
|                  |          |      |          |         |                    |             |            | 0.875 | 0.875                        | 6.91       | 2.88    |
| Terminal Housing |          |      |          | Aux Box |                    | C/D Flange  |            |       |                              |            |         |
| AA               | AB       | AC   | XB       | AE      | AX                 | BB          | AH         | AK    | BD                           | AJ         | BF      |
| 3 NPT            | 24       | 17.9 | 2.4      |         |                    |             |            |       |                              |            |         |
| Shaft Extension  |          |      | Bearings |         | Approx. Weight Lbs | SPL dBA/3ft | Ins. Class | S.F.  | Drive Method                 | Dimensions |         |
| N-W              | U        | V    | DE       | NDE     |                    |             |            |       |                              |            |         |
| 8.5              | 3.375    | 8    | NU320    | 6316    | 2378               | 78          | F          | 1.15  | Direct Coupling / Belt Drive | Inches     |         |

### Technical Data Sheet

Motor Type: AEHH8N

Catalogue No: PDH15085R

#### Nameplate Information

|           |            |                |             |             |              |                |
|-----------|------------|----------------|-------------|-------------|--------------|----------------|
| HP        | Pole       | RPM            | Frame       | Voltage     | Hz           | Phase          |
| 150       | 8          | 888            | 449T        | 575         | 60           | 3              |
| Enclosure | Ins. Class | Service Factor | Time Rating | NEMA Design | Rated Amb.   | Rated Altitude |
| TEFC      | F          | 1.15           | Continuous  | B           | -40 to 40 °C | <3300 ft       |

#### Typical Performance

| Efficiency (%)    |                             |                                 |                                      | Power Factor (%)    |           |                                |
|-------------------|-----------------------------|---------------------------------|--------------------------------------|---------------------|-----------|--------------------------------|
| Full Load         |                             | 3/4 Load                        | 1/2 Load                             | Full Load           | 3/4 Load  | 1/2 Load                       |
| Nom.              | Min.                        |                                 |                                      |                     |           |                                |
| 93.6              | 92.9                        | 93.4                            | 92.1                                 | 80.0                | 77.0      | 69.0                           |
| Torque            |                             |                                 |                                      | Current (A)         |           |                                |
| Full Load (lb-ft) | Locked Rotor (% FLT)        | Pull Up (% FLT)                 | Break Down (% FLT)                   | No Load             | Full Load | Locked Rotor                   |
| 887.00            | 150                         | 125                             | 200                                  | 50.0                | 150.1     | 868                            |
| NEMA KVA Code     | Inertia (WR <sup>2</sup> )  |                                 |                                      | Safe Stall Time (s) |           | Noise Level Sound Press. dB(A) |
|                   | Rotor (lb-ft <sup>2</sup> ) | NEMA Load (lb-ft <sup>2</sup> ) | Max. Allowable (lb-ft <sup>2</sup> ) | Cold                | Hot       |                                |
| 0                 | 166.000                     | 3456.0                          | 6912.0                               | 21                  | 15        | 78                             |

#### VFD Duty Information

| Speed Range     |                 |                | VFD     |              | S.F. |
|-----------------|-----------------|----------------|---------|--------------|------|
| Constant Torque | Variable Torque | Constant Power | Carrier | Type         |      |
| 20-60Hz         | 3-60Hz          | 60-90Hz        | ≤ 5 kHz | VPWM or CPWM |      |

#### Additional Information

| Bearings |      | Approx. Weight |
|----------|------|----------------|
| DE       | NDE  | lbs            |
| NU320    | 6316 | 2378           |

#### Hazardous Locations Information

| CSA Certified                                                                |         |
|------------------------------------------------------------------------------|---------|
| Class I, Div 2, Groups B, C & D<br>Class I, Zone 2, Groups IIB+H2, IIB & IIA |         |
| Temp Code (Sinewave / VFD)                                                   | T3 / T3 |