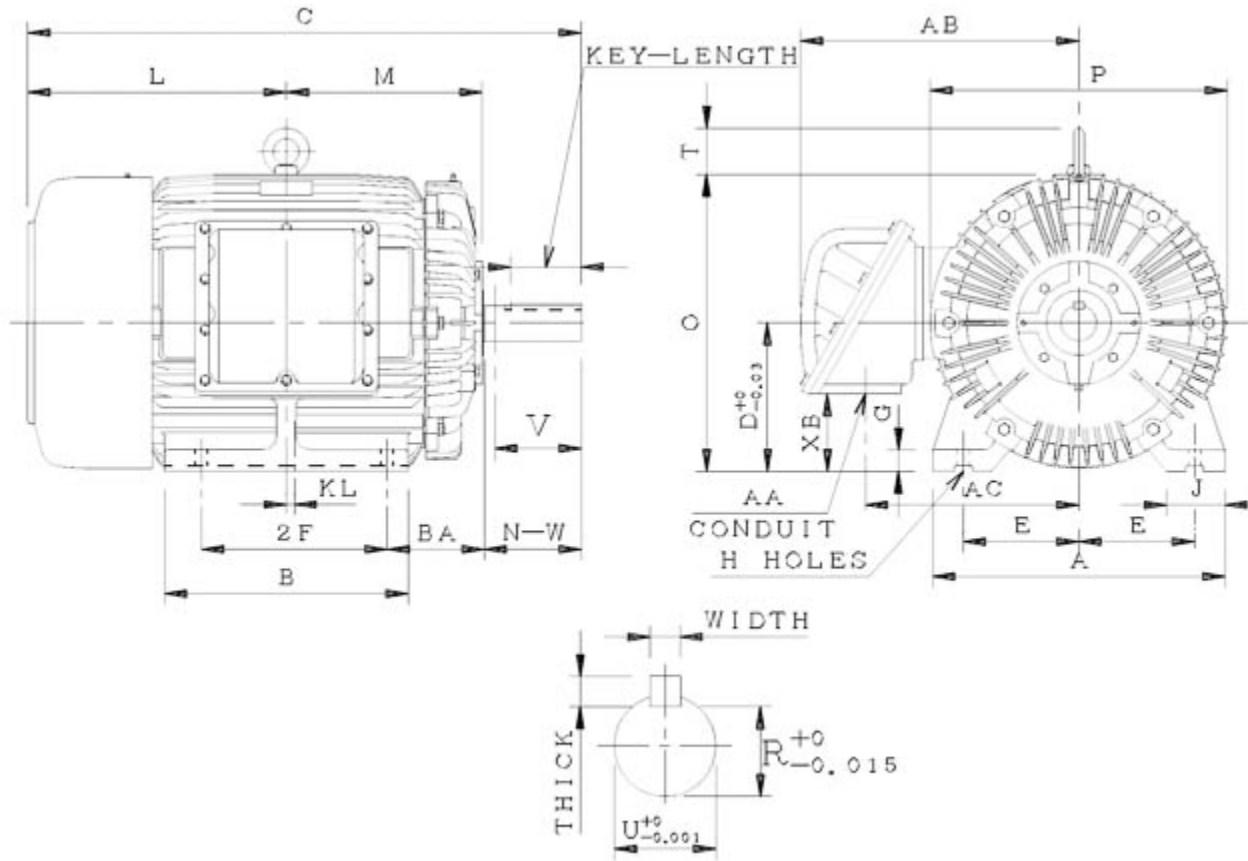


Dimensional Drawing

| Catalogue | Model | HP | Pole | kW | Rating | Voltage | Hz | RPM |
|-----------|--------|-----|------|----|------------|---------|----|------|
| XH10045 | AEHHXU | 100 | 4 | 75 | Continuous | 575 V | 60 | 1800 |



AEHHXU-SMP-4 1 0

| Frame Size | Mounting | | | | | A | B | C | CD | D | |
|------------------|----------|-------|----------|---------|--------------------|-------------|------------|-------|------------------------------|------------|---------|
| | E | 2F | 2F2 | H | BA | | | | | | |
| 405T | 8 | 13.75 | | 0.81 | 6.62 | 19.69 | 16.73 | 38.38 | | 10 | |
| G | J | K | L | M | O | P | T | Key | | | Keyseat |
| 1.58 | 3.94 | | 17.64 | 13.73 | 20.05 | 20.6 | 3.54 | Width | Thick | Length | R |
| | | | | | | | | 0.75 | 0.75 | 5.65 | 2.45 |
| Terminal Housing | | | | Aux Box | | C/D Flange | | | | | |
| AA | AB | AC | XB | AE | AX | BB | AH | AK | BD | AJ | BF |
| NPT3" | 20.47 | 15.43 | 4.33 | | | | | | | | |
| Shaft Extension | | | Bearings | | Approx. Weight Lbs | SPL dBA/3ft | Ins. Class | S.F. | Drive Method | Dimensions | |
| N-W | U | V | DE | NDE | | | | | | | |
| 7.25 | 2.875 | 6.5 | 6317 | 6313 | 1408 | 80.0 | F | 1.15 | Direct Coupling / Belt Drive | Inches | |

Technical Data Sheet

Motor Type: AEHHXU

Catalogue No: XH10045

Nameplate Information

| | | | | | | |
|-----------|------------|----------------|-------------|-------------|--------------|----------------|
| HP | Pole | RPM | Frame | Voltage | Hz | Phase |
| 100 | 4 | 1780 | 405T | 575 | 60 | 3 |
| Enclosure | Ins. Class | Service Factor | Time Rating | NEMA Design | Rated Amb. | Rated Altitude |
| TEXP | F | 1.15 | Continuous | C | -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. | | | | | |
| 95.4 | 94.5 | 95.5 | 95.5 | 90.0 | 89.0 | 84.0 |
| Torque | | | | Current (A) | | |
| Full Load (lb-ft) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | No Load | Full Load | Locked Rotor |
| 295.0 | 200.0 | 170.0 | 240.0 | 21.5 | 87.2 | 580 |
| NEMA KVA Code | Inertia (WR ²) | | | Safe Stall Time (s) | | Noise Level Sound Press. dB(A) |
| | Rotor (lb-ft ²) | NEMA Load (lb-ft ²) | Max. Allowable (lb-ft ²) | Cold | Hot | |
| G | 25.8 | 441.0 | 761.0 | 17.0 | 12.0 | 80.0 |

VFD Duty Information

| Speed Range | | | VFD | | S.F. |
|-----------------|-----------------|----------------|---------|--------------|----------|
| Constant Torque | Variable Torque | Constant Power | Carrier | Type | |
| 6-60Hz | 3-60Hz | 60-90Hz | ≤ 5 kHz | VPWM or CPWM | 1.0 Only |

Additional Information

| Bearings | | Approx. Weight |
|----------|------|----------------|
| DE | NDE | lbs |
| 6317 | 6313 | 1408 |

Hazardous Locations Information

| CSA/UL Certified | |
|---|-----------|
| Class I, Div 1, Groups D; Class II, Div 1, Groups E, F & G Class I, Zone 1, Groups IIA; Class II, Div 1, Groups E, F & G | |
| Temp Code (Sinewave / VFD) | T3B / T3B |