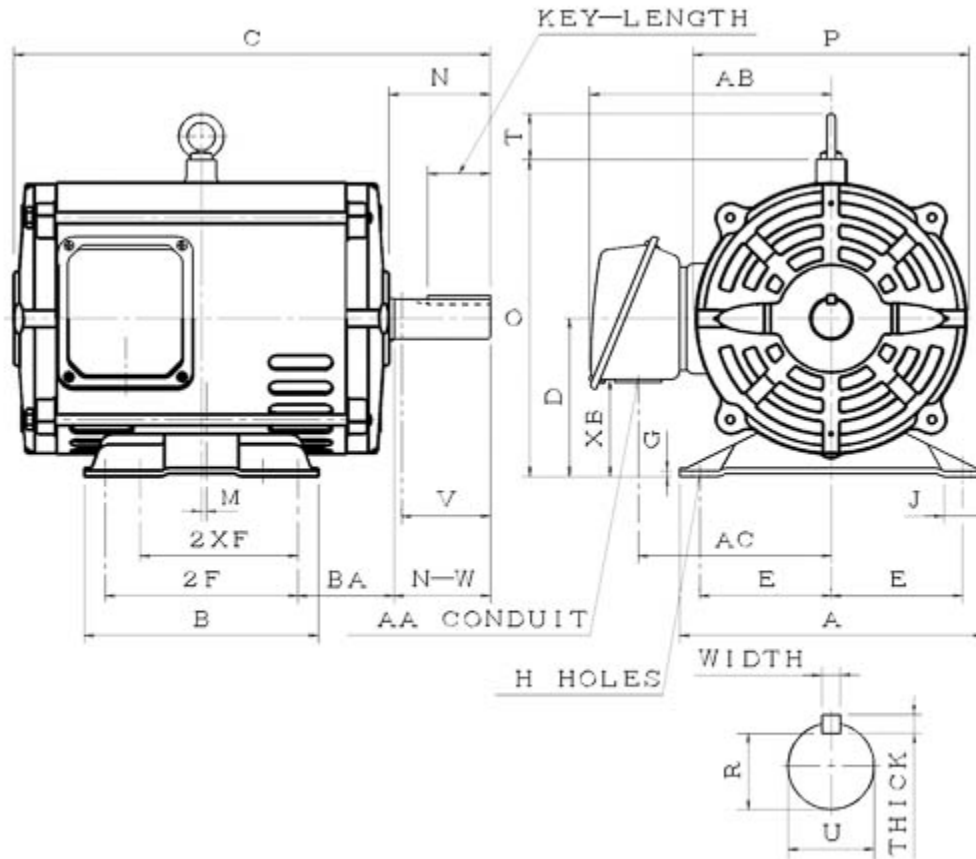


### Dimensional Drawing

| Catalogue | Model | HP | Pole | kW  | Rating     | Voltage     | Hz | RPM  |
|-----------|-------|----|------|-----|------------|-------------|----|------|
| RD0102    | ASGH  | 10 | 2    | 7.5 | Continuous | 230 / 460 V | 60 | 3600 |



ASGH-SMP-4

| Frame Size       |       | Mounting |          |          |                       |                | A             | B     | C                               | CD         | D       |
|------------------|-------|----------|----------|----------|-----------------------|----------------|---------------|-------|---------------------------------|------------|---------|
|                  |       | E        | 2F       | 2F2      | H                     | BA             |               |       |                                 |            |         |
| 213T             |       | 8.5      |          | 5.5      | 0.41                  | 3.5            | 9.7           | 8.2   | 18.09                           |            | 5.25    |
| G                | J     | K        | L        | M        | O                     | P              | T             | Key   |                                 |            | Keyseat |
|                  |       |          |          |          |                       |                |               | Width | Thick                           | Length     | R       |
| 0.18             | 1.22  |          |          | 0.45     | 10.53                 | 8.98           | 1.63          | 0.312 | 0.312                           | 2.41       | 1.201   |
| Terminal Housing |       |          |          | Aux Box  |                       | C/D Flange     |               |       |                                 |            |         |
| AA               | AB    | AC       | XB       | AE       | AX                    | BB             | AH            | AK    | BD                              | AJ         | BF      |
| 1.38             | 8.16  | 6.38     | 2.81     |          |                       |                |               |       |                                 |            |         |
| Shaft Extension  |       |          | Bearings |          | Approx.<br>Weight Lbs | SPL<br>dBA/3ft | Ins.<br>Class | S.F.  | Drive Method                    | Dimensions |         |
| N-W              | U     | V        | DE       | NDE      |                       |                |               |       |                                 |            |         |
| 3.38             | 1.375 | 3.3      | 6208ZZC3 | 6206ZZC3 | 123                   | 60             | F             | 1.15  | Direct Coupling<br>/ Belt Drive | Inches     |         |

### Technical Data Sheet

Motor Type: ASGH

Catalogue No: RD0102

#### Nameplate Information

| HP        | Pole       | RPM            | Frame       | Voltage     | Hz           | Phase          |
|-----------|------------|----------------|-------------|-------------|--------------|----------------|
| 10        | 2          | 3505           | 213T        | 230 / 460   | 60           | 3              |
| Enclosure | Ins. Class | Service Factor | Time Rating | NEMA Design | Rated Amb.   | Rated Altitude |
| ODP       | 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.                        |                                 |                                      |                     |             |                                |
| 90.2              | 88.5                        | 91.0                            | 90.5                                 | 85.5                | 82.0        | 74.0                           |
| Torque            |                             |                                 |                                      | Current (A)         |             |                                |
| Full Load (lb-ft) | Locked Rotor (% FLT)        | Pull Up (% FLT)                 | Break Down (% FLT)                   | No Load             | Full Load   | Locked Rotor                   |
| 14.98             | 200                         | 170                             | 250                                  | 8.1 / 4.1           | 24.3 / 12.1 | 162 / 15                       |
| 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         |                                |
| H                 | 0.408                       | 11                              | 15                                   | 17                  | 12          | 60                             |

#### VFD Duty Information

| Speed Range     |                 |                | VFD     |              | S.F.     |
|-----------------|-----------------|----------------|---------|--------------|----------|
| Constant Torque | Variable Torque | Constant Power | Carrier | Type         |          |
| 6-60Hz          | 3-60Hz          | 60-120Hz       | ≤ 5 kHz | VPWM or CPWM | 1.0 Only |

#### Additional Information

| Bearings |          | Approx. Weight |
|----------|----------|----------------|
| DE       | NDE      | lbs            |
| 6208ZZC3 | 6206ZZC3 | 123            |

#### Hazardous Locations Information

|                            |  |
|----------------------------|--|
| N/A                        |  |
| Temp Code (Sinewave / VFD) |  |
| /                          |  |