

### Technical Data Sheet

Motor Type: ASGH

Catalogue No: RD7/52C

#### Nameplate Information

|           |            |                |             |             |              |                |
|-----------|------------|----------------|-------------|-------------|--------------|----------------|
| HP        | Pole       | RPM            | Frame       | Voltage     | Hz           | Phase          |
| 7.5       | 2          | 3460           | 184TC       | 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.                        |                                 |                                      |                     |            |                                |
| 88.5              | 86.5                        | 89.0                            | 88.5                                 | 90.0                | 86.5       | 78.5                           |
| Torque            |                             |                                 |                                      | Current (A)         |            |                                |
| Full Load (lb-ft) | Locked Rotor (% FLT)        | Pull Up (% FLT)                 | Break Down (% FLT)                   | No Load             | Full Load  | Locked Rotor                   |
| 11.38             | 295                         | 245                             | 315                                  | 5.0 / 2.5           | 17.6 / 8.8 | 127 / 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                 | 0.247                       | 8.3                             | 12                                   | 17                  | 12         | 59                             |

#### 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            |
| 6206ZZC3 | 6205ZZC3 | 77             |

#### Hazardous Locations Information

|                            |       |
|----------------------------|-------|
| N/A                        |       |
| 0                          |       |
| 0                          |       |
| Temp Code (Sinewave / VFD) | 0 / 0 |