

### Technical Data Sheet

Motor Type: ASGH

Catalogue No: RD02025C

#### Nameplate Information

|           |            |                |             |             |            |                |
|-----------|------------|----------------|-------------|-------------|------------|----------------|
| HP        | Pole       | RPM            | Frame       | Voltage     | Hz         | Phase          |
| 20        | 2          | 3525           | 254TC       | 575         | 60         | 3              |
| Enclosure | Ins. Class | Service Factor | Time Rating | NEMA Design | Rated Amb. | Rated Altitude |
| ODP       | F          | 1.15           | Continuous  | B           | °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.                        |                                 |                                      |                     |           |                                |
| 91.7              | 90.2                        | 92.5                            | 92.0                                 | 90.0                | 88.0      | 82.0                           |
| Torque            |                             |                                 |                                      | Current (A)         |           |                                |
| Full Load (lb-ft) | Locked Rotor (% FLT)        | Pull Up (% FLT)                 | Break Down (% FLT)                   | No Load             | Full Load | Locked Rotor                   |
| 29.79             | 175                         | 135                             | 225                                  | 4.6                 | 18.2      | 12                             |
| 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       |                                |
| G                 | 0.933                       | 21                              | 37                                   | 17                  | 12        | 71                             |

#### 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            |
| 6309ZZC3 | 6208ZZC3 | 202            |

#### Hazardous Locations Information

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