

# i80 INDUSTRIAL PUMPS

## Technical Specifications



| TECHNICAL SPECIFICATIONS  | US                                                                                  | METRIC                        |
|---------------------------|-------------------------------------------------------------------------------------|-------------------------------|
| Maximum Fluid Pressure    | 100 psi                                                                             | 6.89 bar, 0.69 MPa            |
| Maximum Fluid Flow        | 80 gpm                                                                              | 303 lpm                       |
| Maximum Particle Size     | 0.19 in.                                                                            | 4.8 mm                        |
| Environmental Temp Rating | 0 to 104 °F                                                                         | -18 to 40 °C                  |
| Fluid Connection          | AL, SST, HAS (1.5 in. NPT)                                                          | AL, SST, HAS (1.5 in. BSPT)   |
|                           | CP, PP, PV (1.5 in. ANSI/DIN)                                                       | CP, PP, PV (1.5 in. ANSI/DIN) |
| Suction Lift              | Dry (13.3 ft)                                                                       | Dry (4.0 m)                   |
|                           | Wet (13.3 ft)                                                                       | Wet (4.0 m)                   |
| Approvals*                | UL, ATEX, C1D1 Group D                                                              |                               |
| Fluid Section Materials   | Aluminum, Stainless Steel, Polypropylene, Conductive Polypropylene, PVDF, Hastelloy |                               |
| Seat Options              | Aluminum, Santoprene, Geolast, Hytrel, Stainless Steel, Buna, FKM                   |                               |
| Check Ball Options        | TPE, Santoprene, Geolast, Hytrel, PTFE, Buna, FKM, Stainless Steel, Acetal          |                               |
| Diaphragm Options         | 2-piece PTFE, PTFE OM, Santoprene, Buna, FKM, Geolast, Hytrel                       |                               |
| Seals and Gasket Options  | PTFE, Buna                                                                          |                               |

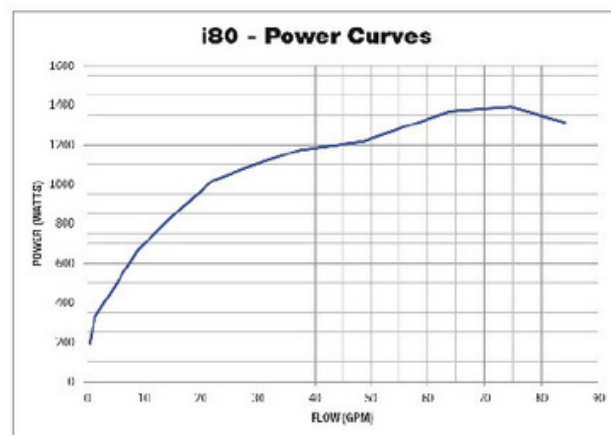
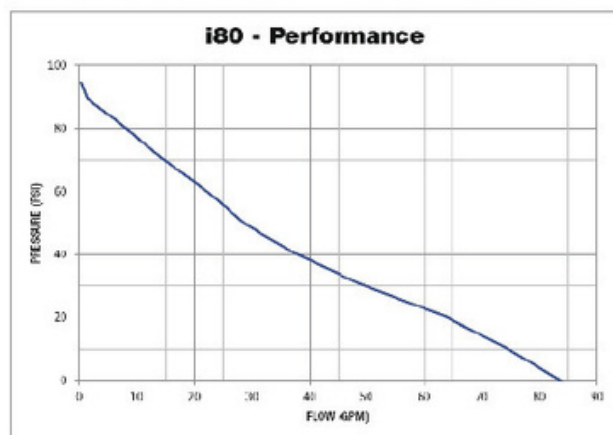
\*Approvals depend on the pump configuration build

| ELECTRICAL RATINGS        | RATED VOLTAGE | PHASE | HERTZ    | CURRENT | PLUG TYPE    | APPROVALS             |
|---------------------------|---------------|-------|----------|---------|--------------|-----------------------|
| FC1 Motor (North America) | 200–240 V     | 3     | 50/60 Hz | 7.5 A   | NEMA L15-20  | UL, Ordinary Location |
| FC2 Motor (World Wide)    | 200–240 V     | 1     | 50/60 Hz | 15 A    | NEMA L15-20  | UL, Ordinary Location |
| FC3 Motor (North America) | 200–240 V     | 3     | 50/60 Hz | 7.5 A   | Flying Leads | UL, C1D1 Group D      |
| FC4 Motor (World Wide)    | 200–240 V     | 1     | 50/60 Hz | 15 A    | Flying Leads | UL, ATEX              |

# QUANTM™ i80 TECHNICAL SPECIFICATIONS



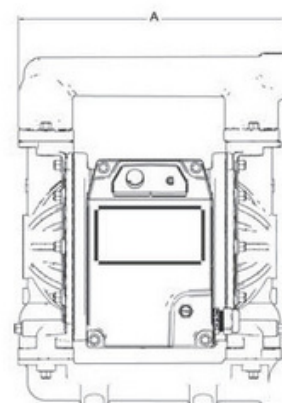
## PERFORMANCE AND POWER



## ALUMINUM PUMPS

| DIM REF. | IN    | CM    |
|----------|-------|-------|
| A        | 15.07 | 38.28 |
| C        | 13.81 | 35.08 |
| D        | 5.17  | 13.13 |
| E        | 19.60 | 49.78 |
| F        | 18.30 | 46.48 |
| G        | 1.50  | 3.81  |
| H        | 4.55  | 11.56 |
| J        | 6.00  | 15.24 |
| K        | 6.00  | 15.24 |

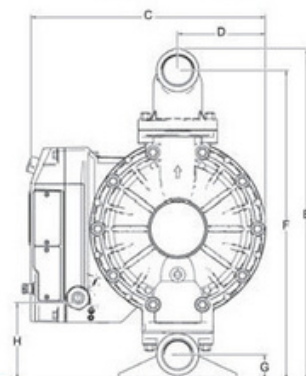
| WEIGHT |         |
|--------|---------|
| 71 lb  | 32.2 kg |



## STAINLESS STEEL & HASTELLOY

| DIM REF. | IN    | CM    |
|----------|-------|-------|
| A        | 16.10 | 40.89 |
| C        | 13.85 | 35.18 |
| D        | 5.21  | 13.23 |
| E        | 18.97 | 48.18 |
| F        | 17.75 | 45.09 |
| G        | 1.44  | 3.66  |
| H        | 4.55  | 11.56 |
| J        | 6.00  | 15.24 |
| K        | 6.00  | 15.24 |

| WEIGHT |         |
|--------|---------|
| 112 lb | 50.8 kg |



## POLYPROPYLENE, CONDUCTIVE POLYPROPYLENE & PVDF

| DIM REF. | IN    | CM    |
|----------|-------|-------|
| A        | 17.60 | 44.70 |
| C        | 13.87 | 35.23 |
| D        | 5.23  | 13.28 |
| E        | 22.00 | 55.88 |
| F        | 19.30 | 49.02 |
| G        | 3.00  | 7.62  |
| H        | 5.85  | 14.86 |
| J        | 6.00  | 15.24 |
| K        | 6.00  | 15.24 |

| WEIGHT |       |         |
|--------|-------|---------|
| PP, CP | 75 lb | 34 kg   |
| PV     | 85 lb | 38.5 kg |

