



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 | |

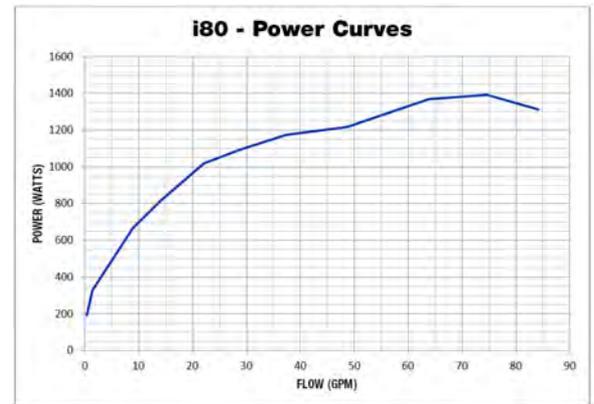
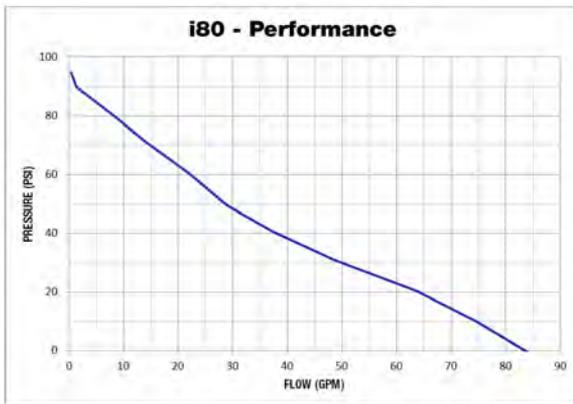
*Approvals depend on the pump configuration build

| 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



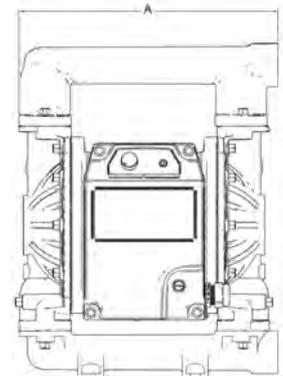
PERFORMANCE AND POWER



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 |

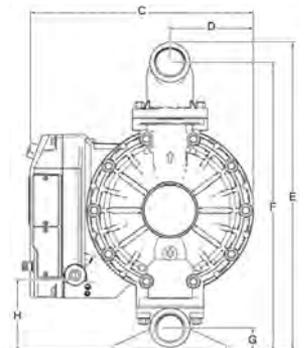
| WEIGHT | |
|--------|---------|
| 71 lb | 32.2 kg |



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 |

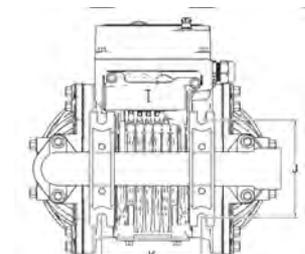
| WEIGHT | |
|--------|---------|
| 112 lb | 50.8 kg |



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 |



QUANTM™ ELECTRIC PUMP

THE POWER YOU EXPECT

SAVE ENERGY, CUT COSTS AND RUN CLEANER

QUANTM isn't just another electric pump: it's a game-changer. QUANTM features a revolutionary electric motor design that will reduce operational costs and keep your production lines running. It is a perfect fit for nearly any fluid application and a drop-in replacement for existing pumping technologies. Protect your bottom line by converting to a QUANTM Electric Pump.

EFFICIENT ELECTRIC DRIVE

- Up to 80% less energy consumption
- Requires no compressed air
- No freezing

INTEGRATED CONTROLS

- Control flow and pressure at the pump
- I/O for remote operation



PROVEN ADD BENEFITS

- Stalls under pressure
- Self-priming
- Dry running
- Handles solids and abrasive materials

PLUG AND PLAY

- Factory wired for quick install
- 120V and 240V options
- Hazardous Location models available

THE SIMPLICITY WILL SURPRISE YOU

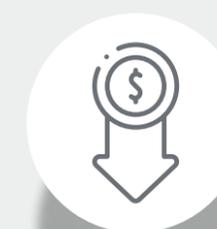
The industry of tomorrow isn't expensive, hard-to-learn, and a burden on your team. It's smart, simple, cost-effective, clean and environmentally responsible. We designed QUANTM to be quieter, lighter, more reliable, and easier for anyone in your team to maintain. QUANTM isn't one small step toward a better facility — it's a leap into the future.



**SUSTAINABLE
OPERATIONS**



**OPERATIONAL
RESILIENCE**



**COST
SAVINGS**



**SIMPLIFIED
MAINTENANCE**



| Model | QUANTM i30 (1") | QUANTM i80 (1.5") | QUANTM i120 (2") | QUANTM i120LP (2") |
|---------------------------------|--|--|---|--------------------|
| Material of Construction | Aluminum, Polypropylene, Conductive Polypropylene, Stainless Steel, PVDF | Aluminum, Polypropylene, Conductive Polypropylene, Stainless Steel, PVDF | Aluminum, Polypropylene, Conductive Polypropylene, Stainless Steel, Cast Iron, PVDF | Aluminum |
| Pressure | 100 psi (7 bar, 0.7 MPa) | | 60 psi (4 bar, 0.4 MPa) | |
| Flow | 30 gpm (115 lpm) | 80 gpm (300 lpm) | 120 gpm (450 lpm) | |
| Voltage | 120V single phase | | 240V 3 phase | |



SCAN FOR MORE
INFORMATION

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