



i120 INDUSTRIAL PUMPS

Technical Specifications



TECHNICAL SPECIFICATIONS	US	METRIC
Maximum Fluid Pressure	60 psi	4.83 bar, 0.48 Mpa
Maximum Fluid Flow	120 gpm	454 lpm
Maximum Particle Size	0.25 in.	6.35 mm
Environmental Temp Rating	0 to 104 °F	-18 to 40 °C
Fluid Connection	AL, SST, CI (2.0 in. NPT(F))	AL, SST, CI (2.0 in. BSPT(F))
	CP, PP, PV (ANSI 150 2 NPS, DIN PN16 050-2 in., JIS 10k 50)	CP, PP, PV (ANSI 150 2 NPS, DIN PN16 050-2 in., JIS 10k 50)
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, Cast Iron	
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	

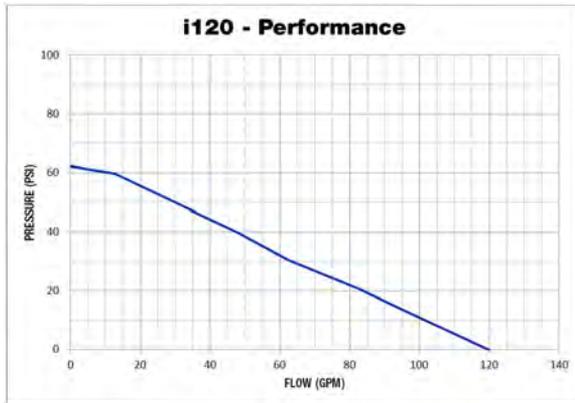
*Approvals depend on the pump configuration build

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™ i120 TECHNICAL SPECIFICATIONS



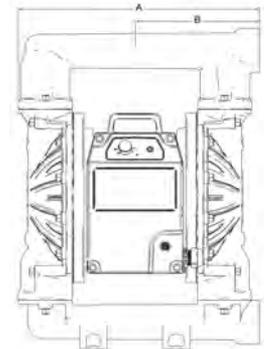
PERFORMANCE AND POWER



ALUMINUM PUMPS

DIM REF.	IN	CM
A	17.50	44.45
B	9.00	22.86
C	14.89	37.82
D	6.25	15.88
E	23.60	59.94
F	21.90	55.63
G	2.00	5.08
H	6.72	17.07
J	6.00	15.24
K	6.00	15.24

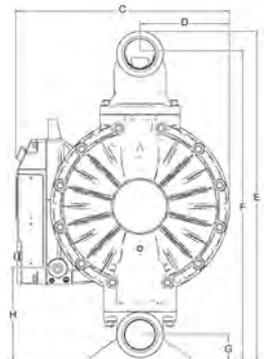
WEIGHT	
99 lb	44.9 kg



STAINLESS STEEL, CAST IRON & HASTELLOY

DIM REF.	IN	CM
A	18.13	46.05
B	9.40	23.88
C	14.89	37.82
D	6.25	15.88
E	26.34	66.90
F	24.79	62.97
G	2.50	6.35
H	9.01	22.89
J	6.00	15.24
K	6.50	16.51

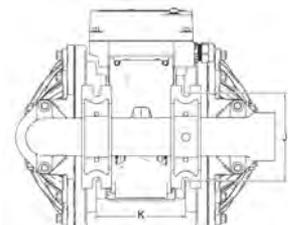
WEIGHT		
SST	162 lb	73.5 kg
CI	165 lb	74.8 kg



POLYPROPYLENE, CONDUCTIVE POLYPROPYLENE & PVDF

DIM REF.	IN	CM
A	19.70	50.04
B	11.00	27.94
C	14.89	37.82
D	6.25	15.88
E	25.70	65.28
F	22.70	57.66
G	3.50	8.89
H	7.53	19.13
J	6.00	15.24
K	6.00	15.24

WEIGHT		
PP, CP	100 lb	45.4 kg
PV	117 lb	53 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**



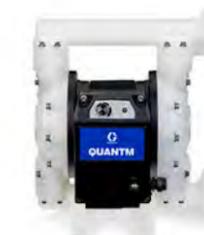
**OPERATIONAL
RESILIENCE**



**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

Represented by:

Zimco Instrumentation Inc.
11141 15 Street NE, Calgary, AB, T3K 0Z5, Canada
Phone: 403-253-8320
Email: info@zimco.ca
Website: www.zimco.ca

