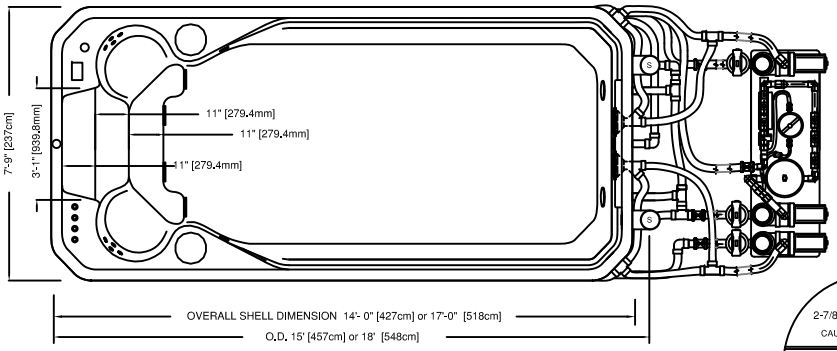
COMMERCIAL 14' and 17' SWIM IN PLACE EXERCISE POOL



SHELL DIMENSIONS

	LENGTH	WIDTH	HEIGHT
	14'-0" [427 cm]	7'- 9"[237 cm]	4'- 0" [122 cm]
	17'-0" [518 cm]	7'- 9"[237 cm]	4'- 0" [122 cm]

INSTALLATION DIMENSIONS (Excluding Equipment)

LENGTH	WIDTH	HEIGHT
15'-0" [457 cm]	7'- 9"[237 cm]	4'- 0" [122 cm]
18'-0" [548 cm]	7'- 9"[237 cm]	4'- 0" [122 cm]

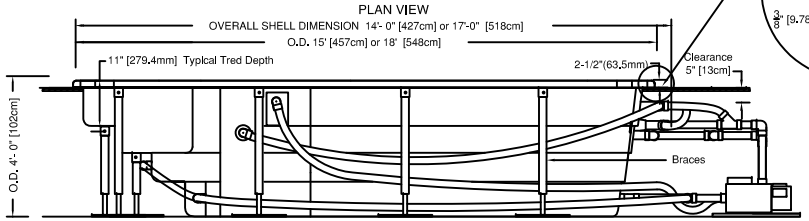
VOLUME:	WEIGHT EMPTY	WEIGHT FULL
@1706 Gl / 6458 Lt	15500 lbs / 7030 kg	1200 lbs / 545 kg
@2208 Gl / 8357 Lt.	19900 lbs / 9026 kg	1800 lbs / 816 kg

All equipment UL and UL-C approved.

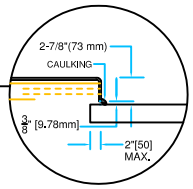
14' SPECIFICATIONS		
SPA VOLUME 1706 usg 6457 Litre TURNOVER 30 minutes FILTER FLOW RATE 57 usgpm @ 60' T.D.H. 215 LPM @ 17.92 M hd FILTER AREA 200 sq.ft. 18.58 sq.m. OPERATING @.285 usgpm/sq.ft. @ .19 L / S/ M.²	RE-CIRCULATION FLOW RATE 57 usgpm/215 Lpm Total Suction Fittings - 2 2 @ 12.35 sq. in / 79.6 sq. cm. each Total Open Area 24.7 sq.in./ 159.3 sq.cm. Total Flow 57 usgpm @ 60' TDH 215 LPM @ 17.92 M hd VELOCITY THROUGH 2 SUCTION FITTINGS .57 ft.sec/ 0.173m. sec RE-CIRCULATION PUMP 1 hp	BOOSTER PUMPS FLOW RATE Booster Pumps x 2 Total Suction Fittings - 10 10 @ 12.35 sq. in / 79.6 sq. cm. each Total Open Area 123.5 sq. in. / 796.7 sq. cm. Total Booster Flow 386 usgpm @ 60' TDH 1461 LPM @ 17.92 M hd VELOCITY THROUGH 10 SUCTION FITTINGS 1.0 ft.sec/ 0.304m. sec BOOSTER PUMP 5 hp EACH

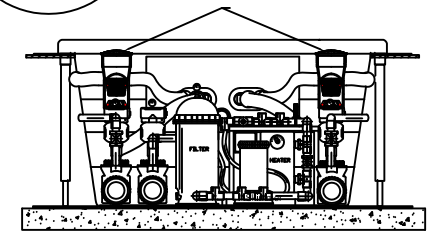
17' SPECIFICATIONS		
SPA VOLUME 2208 usg 8357 Litre TURNOVER 30 minutes FILTER FLOW RATE 74 usgpm @ 60' T.D.H. 279 LPM @ 17.92 M hd FILTER AREA 200 sq.ft. 18.58 sq.m. OPERATING @.369 usgpm/sq.ft. @ .25 L / S/ M.²	RE-CIRCULATION FLOW RATE 74 usgpm/279 Lpm Total Suction Fittings - 2 2 @ 12.35 sq. in / 79.6 sq. cm. each Total Open Area 24.7 sq.in./ 159.3 sq.cm. Total Flow 74 usgpm @ 60' TDH 279 LPM @ 17.92 M hd VELOCITY THROUGH 2 SUCTION FITTINGS .96 ft.sec/ 0.292 m. sec RE-CIRCULATION PUMP 1 hp	BOOSTER PUMPS FLOW RATE Booster Pumps x 2 Total Suction Fittings - 10 10 @ 12.35 sq. in / 79.6 sq. cm. each Total Open Area 123.5 sq. in. / 796.7 sq. cm. Total Booster Flow 386 usgpm @ 60' TDH 1461 LPM @ 17.92 M hd VELOCITY THROUGH 10 SUCTION FITTINGS 1.0 ft.sec/ 0.304m. sec BOOSTER PUMP 5 hp EACH

PLAN VIEW

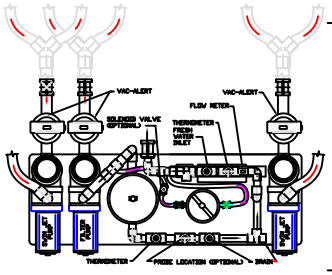


ELEVATION

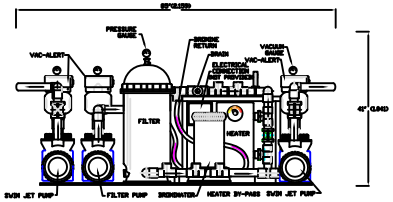




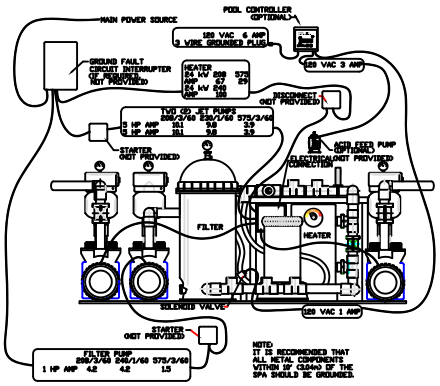
ELEVATION

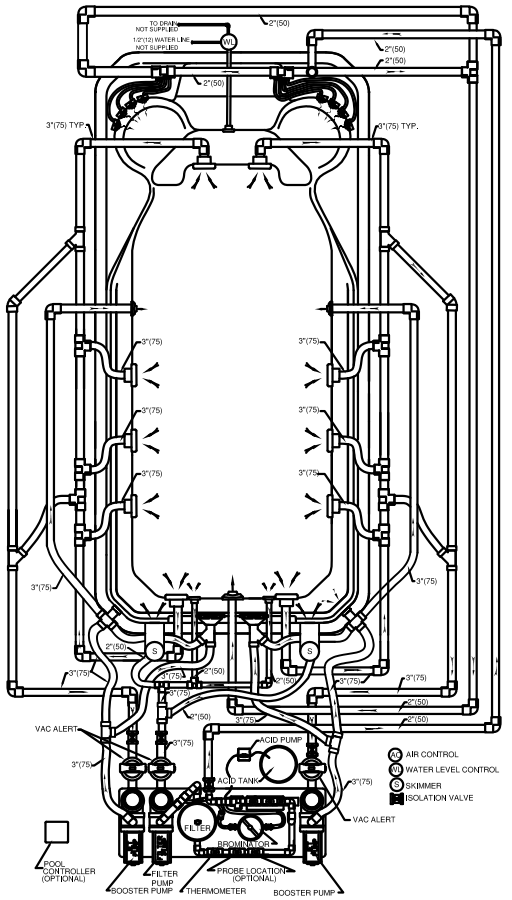


PLAN VIEW



SIDE PROFILE





SPECIFICATIONS

1.1 The shell of the hot tub shall be manufactured of vacuum formed acrylic (.187 sheet) In one of three colours: Biscuit Ivory, Light Blue Caribbean Quarite or Sahara Grey Granite.
See dimensional information on this sheet.

1.2 The acrylic shall be further reinforced with fiberglass resins adjustable support legs mated to steel sockets built into the structure of the shell.

1.3 The shell shall have the following fittings:

- 2 Air Control Valves
- 8 Hydrotherapy Jets
- 2 Wide mouth skimmer, (N.S.F. Listed)
- 3 Counter Current Swim Jets
- 12 Side wall suction fittings (ANSI/ASME A112.19.M Listed)
- 2 Thigh Exercise Jets
- 1 Water level tank fitting with remote water level control tank

1.4 The hot tub will be insulated with a coating of polyurethane foam, factory plumbed and hydrostatically tested.

1.5 Aquatrainer mechanical support system recommended package will be shipped on a separate plastic base and shall consist of:
QTY.

- 1 1hp filter pump (N.S.F. Listed)
- 1 200 sq.ft. cartridge filter 9N.S.F. Listed)
- 2 5 hp booster pumps (N.S.F. Listed)
- 1 24 kW electric heater c/w flow switch
- 2 Inline thermometers c/w thermowell
- 1 Link Chemistry Controller
- 1 Inline flowmeter
- 1 Brominator (N.S.F. Listed) with normally closed solenoid valve
- 1 Acid feed pump with 15 gal solution tank c/w lid
- 1 Water level controller with overflow (located at the shell
- 3 VA2000 Vacuum Release devices (ASME A112.1917-2002 Listed)

1.6 Optional handrail with anchor and escutcheon plates, or deck flange.

1.7 Warranties shall be 5 year on the shell structure, 2 years on the acrylic surface and one year on the plumbing, mechanical equipment and accessories. On-site plumbing is NOT covered.

1.8 Installation Items NOT covered by this specification and considered "by others" are Plumbing between the spa shell and mechanical equipment location.
Electrical connections, motor, heater and component connections including motor starters or any grounding of electrical components. Decking and access steps including deck drains.
Supports under the seats and steps of the shell.

NOTE: The mechanical system may be modified to suit project requirements.
Section 1.5 - 1.6 is NOT applicable if equipment is supplied by others.

HydroTher

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No.	Date	Description
		Revisions

HYDROTHER
135 MATHESON BLVD. E.
MISSISSAUGA, ONTARIO
CANADA
L4Z 1R2
www.hydrother.com

Project

Title HYDROTHER 2008 Model Year
Swim in Place Exercise Pool 14' and 17' Model

Drawn By	smb
Scale	n.t.s.
Date	Sept. 30/07
Ch'd By	dp
Job No.	8002007

1