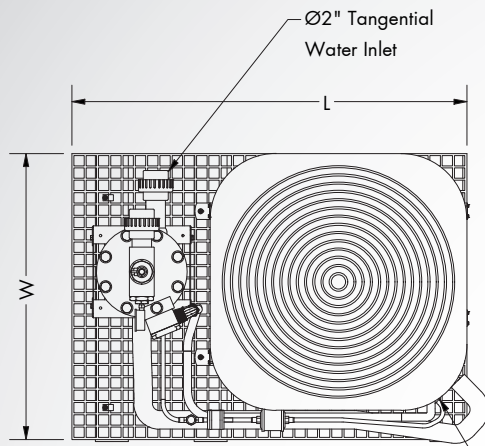


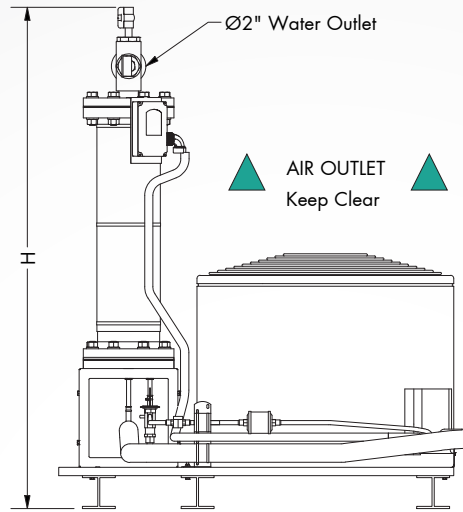


# HYDROMARINE HEAT PUMP 1.5 - 5.0 TONS

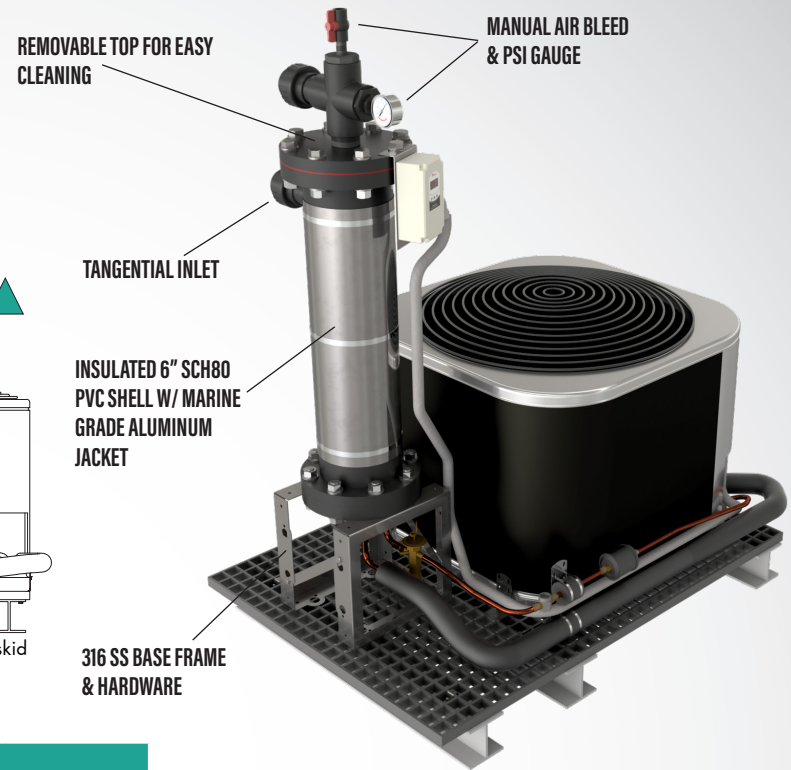
TITANIUM HEAT EXCHANGER FOR USE IN ALL AQUATIC CHILLING/HEATING APPLICATIONS



**PLAN VIEW**



**FRONT VIEW**



SPECIFICATIONS					DIMENSIONS			POWER OPTIONS		
MODEL NUMBER	Nominal Tonnage / BTUH	Vertical Air Discharge (CFM)	Δ PSI at max flow	Water Flow Range (GPM)	Length (L)	Width (W)	Max. Height (H)	208-230V / 1 ph. MCA/MOCP	208-230V / 3 ph. MCA / MOCP	460V / 3 ph. MCA / MOCP
DH-HP-1.5	1.5 / 18 000	2350	<5	25 - 100	48"	35"	52"	13.4 / 20	n/a	n/a
DH-HP-2	2.0 / 24 000	2650	<5	25 - 100	48"	35"	52"	14.5 / 25	n/a	n/a
DH-HP-2.5	2.5 / 30 000	3370	<5	30 - 100	48"	35"	52"	18.2 / 30	n/a	n/a
DH-HP-3	3.0 / 36 000	3550	<5	30 - 100	48"	35"	52"	20.3 / 30	11.7 / 20	5.4 / 15
DH-HP-3.5	3.5 / 42 000	3800	<5	35 - 120	48"	35"	52"	24.7 / 40	n/a	n/a
DH-HP-4	4.0 / 48 000	3800	<5	40 - 120	48"	35"	68"	32.8 / 50	14.5 / 25	8.3 / 15
DH-HP-5	5.0 / 60 000	4780	<5	50 - 120	48"	35"	68"	33.2 / 50	21.5 / 30	10.5 / 15

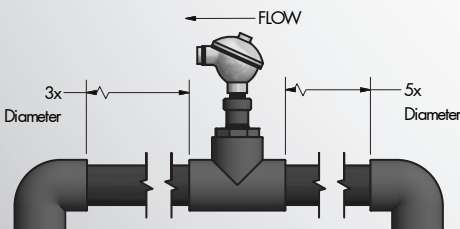
\*MCA is the highest steady-state electrical current that the unit should see when operating correctly

\*MOCP is the max recommended breaker size

\*Nominal Tonnage based on entering water temperature of 70°F

**FLOW SWITCH NOTE:**

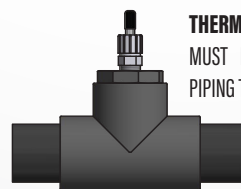
FLOW SWITCH MUST BE INSTALLED HORIZONTALLY ON INLET OR OUTLET OF HEAT EXCHANGER, WITH MINIMUM STRAIGHT PIPE DISTANCES BEFORE AND AFTER AS SHOWN IN DRAWING. OPTIONAL FACTORY MOUNT & WIRE.



**FIELD INSTALLED FLOW SWITCH**

**THERMOWELL NOTE:**

MUST BE INSTALLED ON INLET PIPING TO HEAT EXCHANGER.



**THERMOWELL**

**NOTES:**

- Gr.2 TITANIUM TUBE HEAT EXCHANGER COIL
- NORMAL OPERATING AMBIENT AIR TEMPERATURE: 50 F - 115 F
- ALL CONDENSING UNITS HAVE A 14 SEER RATING.
- TOP DISCHARGE AREA SHOULD BE UNRESTRICTED FOR 48 INCHES MINIMUM
- AVOID PLACING UNIT IN DIRECT AREA OF ROOF RUNOFF OR CONSTANT WATER FLOW
- CONSULT *CARRIER* SPECIFIED CONDENSER CLEARANCES WHEN PLACING UNIT(S)
- SCH 80 PVC SHELL CONSTRUCTION WITH REMOVABLE FLANGED ENDS
- ALL 316 SS BASE AND HARDWARE
- MARINE GRADE ALUMINUM JACKET WITH SALTWATER CORROSION RESISTANT CLEAR COATING
- TEMPERATURE CONTROLLER CAN BE SET +/- 0.1° F/C. RECOMMENDED MINIMUM SETPOINT IS 50°F
- UNIT ARRIVES CHARGED WITH R-410A REFRIGERANT

**OPTIONS:**

- LOW AMBIENT HEAD PRESSURE SWITCH FOR OUTDOOR TEMPERATURES 0°F TO 50°F
- COMPRESSOR START ASSIST FOR APPLICATIONS WITH POSSIBLE LOW VOLTAGE ISSUES
- MARINE CONDENSER COATING FOR COASTAL APPLICATIONS
- ASME TITANIUM COIL
- EXPEDITED ASSEMBLY



**Delta Hydronics**

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