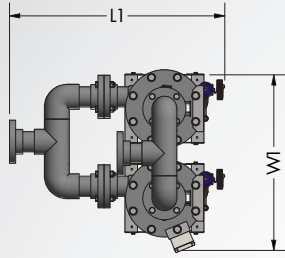


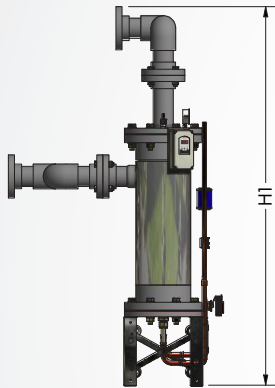


# HYDROMARINE HEAT PUMP 15 & 20 TONS - SPLIT

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



### EVAPORATOR PLAN VIEW



### EVAPORATOR FRONT VIEW



### CONDENSER DIMENSIONS

REMOVABLE TOP FOR EASY CLEANING

Ø3" UNION OR FLANGE CONNECTION OPTION INLET / OUTLET (TANGENTIAL INLET)

DIGITAL TEMPERATURE CONTROLLER CAN BE FIELD RELOCATED IF DESIRED

MANUAL AIR BLEED & PSI GAUGE

REFRIGERANT TXV, SIGHT GLASS & FILTER DRYER ASSEMBLY CAN BE SHIPPED LOOSE FOR FIELD INSTALLATION IF VERTICAL PIPE SET IMPEADS INSTALLATION.

INSULATED 8" SCH80 PVC SHELL W/ 316 SS JACKET & BASE FRAME

#### NOTES:

- VERIFY LINE SET TUBING DIAMETERS FOR RUN AND RISE PER CARRIER IOM
- DUAL COMPRESSOR/EVAPORATOR DESIGN FOR INCREASED ENERGY EFFICIENCY, FLOW CAPABILITY AND REDUNDANCY.
- NORMAL OPERATING AMBIENT AIR TEMPERATURE: 50 F - 115 F
- Gr.2 TITANIUM TUBE HEAT EXCHANGER COILS
- NORMAL OPERATING AMBIENT AIR TEMPERATURE: 50 F - 115 F
- ALL CONDENSING UNITS HAVE EER OF 11 OR BETTER.
- 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, JACKET AND HARDWARE
- TEMPERATURE CONTROLLER CAN BE SET +/- 0.1° F/C. RECOMMENDED MINIMUM SETPOINT IS 45°F.
- HAIL GUARD

#### OPTIONS:

- LOW AMBIENT MOTORMASTER KIT FOR OUTDOOR TEMPERATURES -0°F TO 55°F
- MARINE CONDENSER COATING FOR COASTAL APPLICATIONS
- NON-FUSED DISCONNECT
- 115V CONVENIENCE OUTLET

MODEL NUMBER	SPECIFICATIONS				DIMENSIONS (EVAP)			DIMENSIONS (CONDENSER)			POWER OPTIONS	
	Nominal Tonnage / BTUH	Vertical Air Discharge (CFM)	Δ PSI at max flow	Water Flow Range (GPM)	Length (L1)	Width (W1)	Max. Height (H1)	Length (L)	Width (W)	Max. Height (H)	208-230V / 3 ph. MCA	460V / 3 ph. MCA
DH-HP-15D	15 / 180 000	10 000	<5	160 - 300	38"	30"	66"	86"	48"	61"	65.6	32.1
DH-HP-20D	20 / 240 000	14 000	<5	160 - 300	38"	30"	66"	86"	67"	61"	73.7	40.8

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

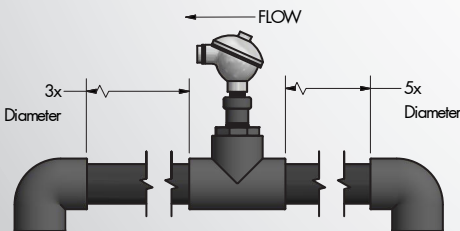
\*Nominal Tonnage is based on entering water temperature of 70°F

#### FLOW SWITCH NOTE:

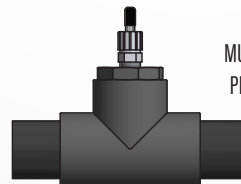
FLOW SWITCH MUST BE INSTALLED HORIZONTALLY ON INLET OF HEAT EXCHANGER, WITH MINIMUM STRAIGHT PIPE DISTANCES BEFORE AND AFTER AS SHOWN IN DRAWING. OPTIONAL FACTORY MOUNT & WIRE. (SHIPPED LOOSE)

#### THERMOWELL NOTE:

MUST BE INSTALLED ON INLET PIPING TO HEAT EXCHANGER. (SHIPPED LOOSE)



### FIELD INSTALLED FLOW SWITCH



### THERMOWELL



## Delta Hydronics

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