



HYDROMARINE HEAT PUMP 15 & 20 TONS

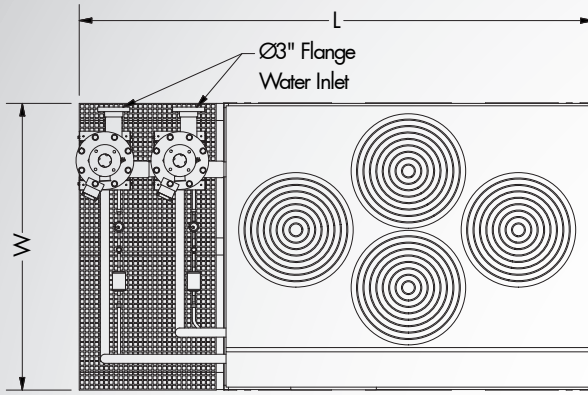
TITANIUM HEAT EXCHANGER FOR USE IN ALL AQUATIC CHILLING/HEATING APPLICATIONS



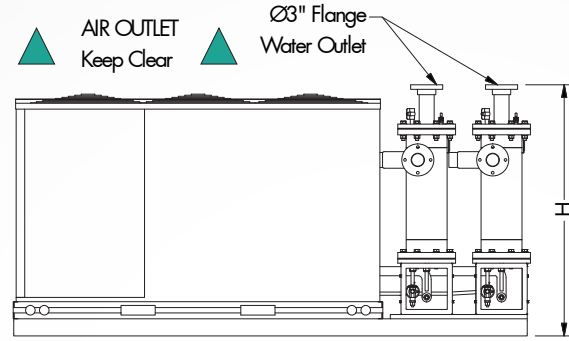
MANUAL AIR BLEED & PSI GAUGE

REMOVABLE TOP FOR EASY CLEANING

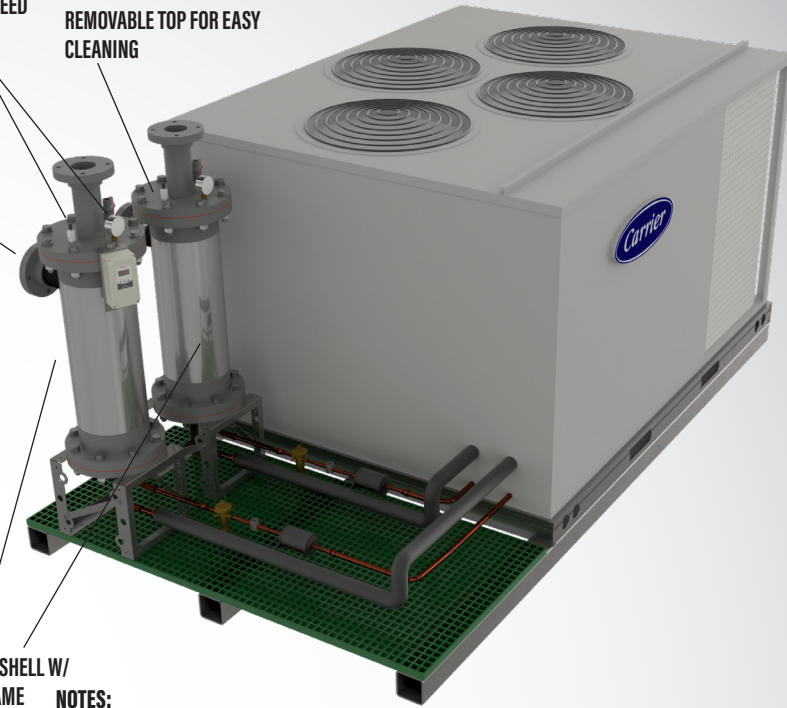
TANGENTIAL INLET



PLAN VIEW



FRONT VIEW



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

NOTES:

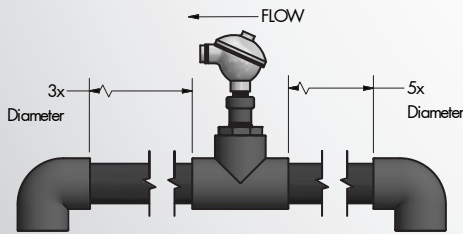
- DUAL COMPRESSOR/EVAPORATOR DESIGN FOR INCREASED ENERGY EFFICIENCY, FLOW CAPABILITY AND REDUNDANCY.
- CONDENSER AND SKID MOUNTED ON 4" MARINE GRADE ALUMINUM SQUARE TUBE
- NORMAL OPERATING AMBIENT AIR TEMPERATURE: 50 F - 115 F
- Gr.2 TITANIUM TUBE HEAT EXCHANGER COILS
- NORMAL OPERATING AMBIENT AIR TEMPERATURE: 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
- UNIT ARRIVES CHARGED WITH R-410A REFRIGERANT

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
- HAIL GUARD
- PRE-PLUMBED 3" COMMON HEADER WITH ISOLATION VALVES

MODEL NUMBER	Tonnage / BTUH	SPECIFICATIONS			DIMENSIONS			POWER OPTIONS	
		Vertical Air Discharge (CFM)	Δ PSI at max flow	Water Flow Range (GPM)	Length (L)	Width (W)	Max. Height (H)	208-230V / 3 ph. MCA	460V / 3 ph. MCA
DH-HP-15D	15 / 180 000	10 000	<4	120 - 240	120"	48"	61"	65.6	32.1
DH-HP-20D	20 / 240 000	14 000	<4	120 - 240	120"	67"	61"	73.7	40.8

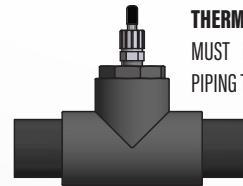
*MCA is the highest steady-state electrical current that the unit should see when operating correctly



FIELD INSTALLED FLOW SWITCH

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.



THERMOWELL

THERMOWELL NOTE:

MUST BE INSTALLED ON INLET PIPING TO HEAT EXCHANGER.



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