



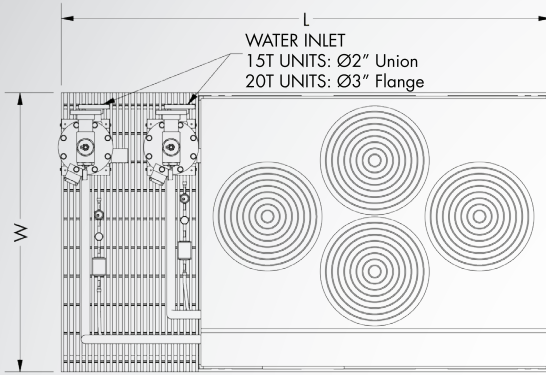
HYDROMARINE HEAT PUMP 15 & 20 TONS

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

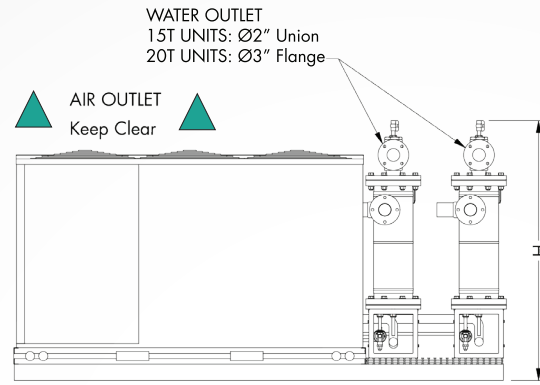


MANUAL AIR BLEED & PSI GAUGE

REMOVABLE TOP FOR EASY CLEANING



PLAN VIEW



FRONT VIEW



INSULATED SCH80 PVC SHELL W/
MARINE GRADE ALUMINUM JACKET & 316 SS BASE FRAME & HARDWARE

NOTES:

- 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
- 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 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
- HAIL GUARD

OPTIONS:

- LOW AMBIENT MOTORMASTER KIT FOR OUTDOOR TEMPERATURES -20°F TO 50°F
- MARINE CONDENSER COATING FOR COASTAL APPLICATIONS
- NON-FUSED DISCONNECT
- ASME TITANIUM COIL
- INTEGRATED PUMP
- EXPEDITED ASSEMBLY
- 2-STAGE CHILLING FOR ENERGY EFFICIENCY

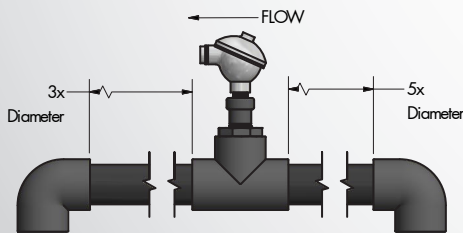
MODEL NUMBER	SPECIFICATIONS				DIMENSIONS			POWER OPTIONS	
	Nominal Tonnage / BTUH	Vertical Air Discharge (CFM)	Δ PSI at max flow	Water Flow Range (GPM)	Length (L)	Width (W)	Max. Height (H)	208-230V / 3 ph. MCA / MOCP	460V / 3 ph. MCA / MOCP
DH-HP-15	15 / 180 000	10 000	<5	150 - 200	120"	48"	68"	60.8 / 80	29.9 / 40
DH-HP-20	20 / 240 000	14 000	<5	200 - 400	120"	67"	68"	73.7 / 100	40.8 / 50

*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 is based on entering water temperature of 70°F

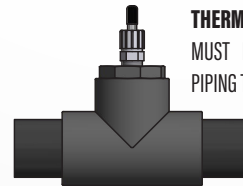
*Cut flow range in half if running evaporators in series



FIELD INSTALLED FLOW SWITCH

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.



THERMOWELL

THERMOWELL NOTE:

MUST BE INSTALLED ON INLET PIPING TO HEAT EXCHANGER.



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