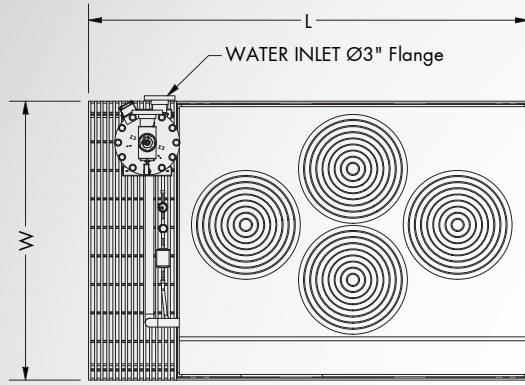
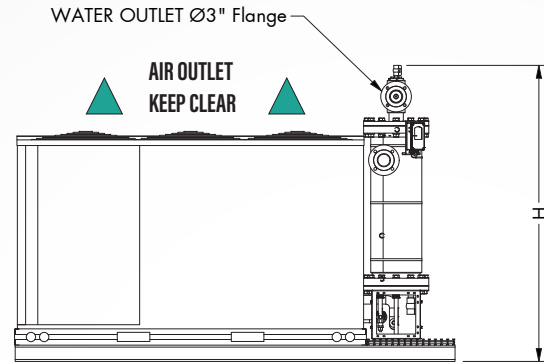


# HYDROMARINE CHILLER 15 & 20 TONS

TITANIUM HEAT EXCHANGER FOR USE IN ALL AQUATIC CHILLING APPLICATIONS

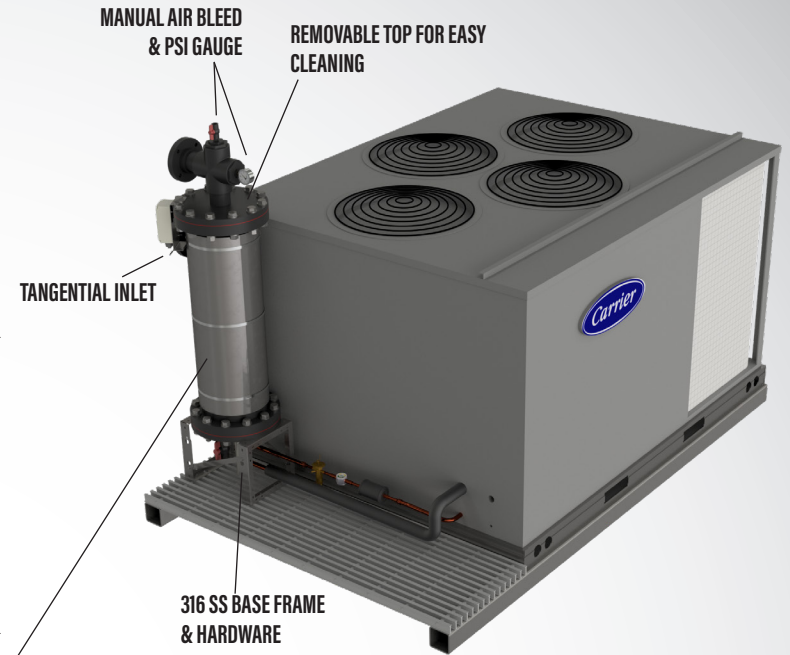


**PLAN VIEW**



**FRONT VIEW**

INSULATED SCH80 PVC SHELL W/  
MARINE GRADE ALUMINUM JACKET



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-SC-15	15 / 180 000	9 000	<5	125 - 250	108"	48"	66"	65.6 / 90	32.1 / 40
DH-SC-20	20 / 240 000	12 000	<5	150 - 250	108"	67"	70"	73.7 / 100	40.8 / 50

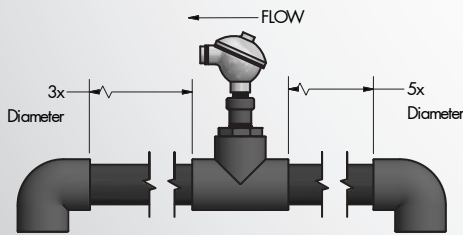
\*MCA is the highest steady-state electrical current that the unit should see when operating correctly

\*MOCP is the max recommended breaker size

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

**NOTES:**

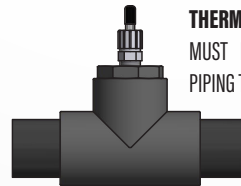
- CONDENSER AND SKID MOUNTED ON 4" MARINE GRADE ALUMINUM SQUARE TUBE
- DUAL STAGE OPERATION FOR INCREASED ENERGY EFFICIENCY
- Gr:2 TITANIUM TUBE HEAT EXCHANGER COILS
- NORMAL OPERATING AMBIENT AIR TEMPERATURE: 50 F - 115 F
- ALL CONDENSING UNITS HAVE EER OF 11 OR BETTER.
- TOP DISCHARGE AREA SHOULD BE 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 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



**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.



**Delta Hydronics**

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