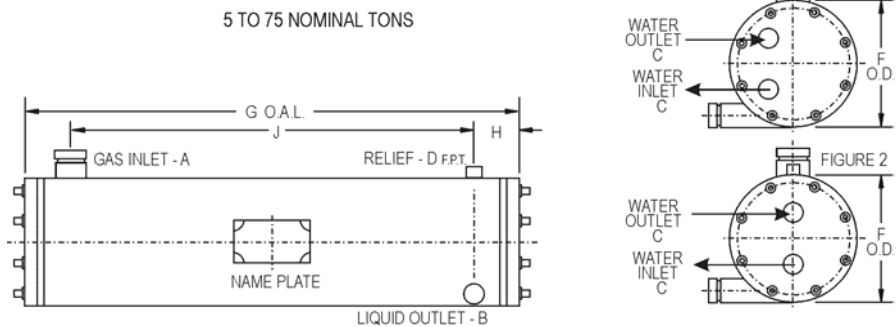


CONDENSERS

Marine Shell and Tube



- Incorporating CHIL-FLUX® enhanced surface copper tubes for maximum heat transfer capability
- Sizes 5 to 500 nominal tons refrigeration;
Working pressures: Shell side 350 PSIG;
Tube side 125 PSIG
- Straight through tube construction and removable heads for tube cleaning.
- Tubes roller expanded into double grooved tube sheets
- Codes: National Board of Boiler and Pressure Vessel Inspectors. Designed and manufactured in accordance with Section VIII of the ASME Code and are available with U or UM code symbol stamps.



Nominal tons rated on 14,000 btu/hr at 105°F condensing temperature with water inlet 85°F and outlet 95°F.
Pump Down Capacity based on R-22 at 90°F with condenser 80% full.

Catalog Number	Nom Tons	Gas In	Liq. Out	Water In/Out		Relief Conn	Dimensions in Inches				Pump-down Cap. Lbs	Ship Wt. Lbs.
		A	B	C (FPT)	Fig No.		D	F	G	H		
CC005-06036-4	5	1 1/8	5/8	1 1/4	1	1/2	6 5/8	38 3/4	4 3/8	30	24	106
CC008-06048-4	8	1 3/8	7/8	1 1/4	1	1/2	6 5/8	50 3/4	4 3/8	42	32	125
CC011-08036-4	11	1 3/8	7/8	1 1/2	1	1/2	8 5/8	39 1/2	4 3/4	30	40	176
CC017-06048-4	17	1 5/8	1 1/8	2	1	1/2	8 5/8	51 1/2	4 3/4	42	54	205
CC021-08048-4	21	1 5/8	1 3/8	2	1	1/2	8 5/8	51 1/2	4 3/4	42	49	216
CC027-08072-2	27	2 1/8	1 3/8	2 1/2	2	1/2	8 5/8	75 1/2	4 3/4	66	77	270
CC032-08072-2	32	2 1/8	1 3/8	2 1/2	2	1/2	8 5/8	75 1/2	4 3/4	66	70	290
CC040-10072-2	40	2 5/8	1 5/8	3	2	1/2	10 3/4	76 3/4	6 1/2	64	119	420
CC050-10072-2	50	2 5/8	1 5/8	3	2	1/2	10 3/4	76 3/4	6 1/2	64	106	450
CC060-10096-2	60	2 5/8	1 5/8	3	2	1/2	10 3/4	100 3/4	6 1/2	88	158	515
CC075-10096-2	75	3 1/8	2 1/8	3	2	1/2	10 3/4	100 3/4	6 1/2	88	141	555

Fluid Type: Water

Refrigerant Type: R22

Fluid Inlet Temperature: 85°F

Fluid Outlet Temperature: 95°F

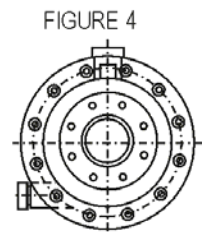
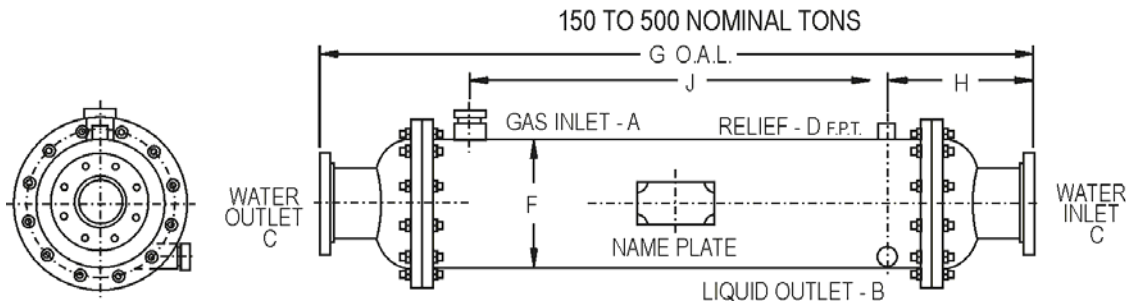
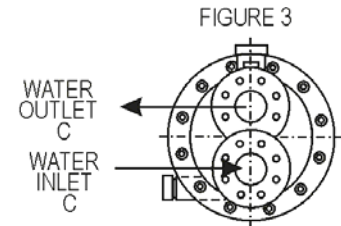
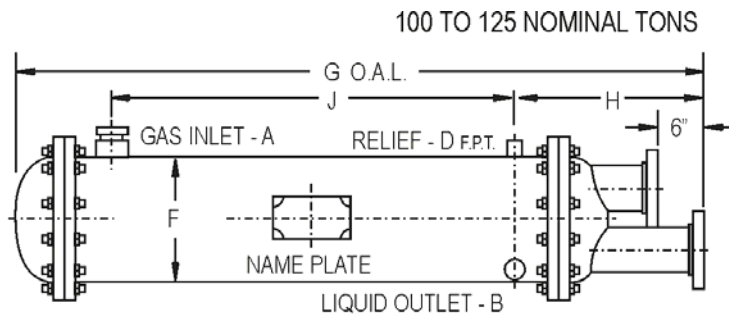
Condensing Temperature: 105°F

Standard Reference Model	Henry Equivalent	Heat Exchanged BTU/hr	Length Inches	O.D. Inches	Water In/Out Conn. In.	Refrigerant Connections		Water Flow GPM	Water Pressure Drop, psi
						Inlet	Outlet		
HSE-5	CC005-06024-410	76,500	24	6.625	1 NPT	1.125 ODS	0.625 ODS	15.4	2.1
HSE-7	CC007-06030-410	111,000	30	6.625	1.25 NPT	1.375 ODS	0.875 ODS	22.3	4.0
HSE-10	CC010-06030-410	147,000	30	6.625	1.25 NPT	1.375 ODS	0.875 ODS	29.6	4.2
HSE-15	CC015-08030-410	222,000	30	8.625	2 NPT	1.625 ODS	1.125 ODS	44.7	1.8
HSE-20A	CC020-08048-210	303,000	48	8.625	2 NPT	1.625 ODS	1.125 ODS	61.0	0.9
HSE-25A	CC025-08048-210	346,500	48	8.625	2 NPT	2.125 ODS	1.375 ODS	69.7	0.8
HSE-30A	CC030-10048-210	435,000	48	10.75	2.5 NPT	2.125 ODS	1.375 ODS	87.6	0.9
HSE-40A	CC040-10060-210	603,000	60	10.75	3 NPT	2.125 ODS	1.375 ODS	121	1.9
HSE-50A	CC050-10060-210	786,000	60	10.75	3 NPT	2.625 ODS	1.625 ODS	158	1.8
HSE-60	CC060-12060-210	904,500	60	12.75	3 NPT	2.625 ODS	1.625 ODS	182	1.9
HSE-70	CC070-12060-210	1,054,500	60	12.75	4 NPT	3.125 ODS	2.125 ODS	212	1.9
HSE-80	CC080-12060-210	1,230,000	60	12.75	4 NPT	3.125 ODS	2.125 ODS	248	1.9
HSE-100	CC0100-12096-110	1,500,000	96	12.75	5 NPT	3.125 ODS	2.125 ODS	302	0.8
HSE-125	CC0125-12096-110	1,875,000	96	12.75	5 NPT	3.625 ODS	2.125 ODS	377	0.9



CONDENSERS

Shell and Tube



Catalog Number	Nom Tons	Gas Inlet A	Liquid Outlet B	Water In/Out (FPT)		Relief Conn. D	Dimensions in Inches				Pump-down Cap. Lbs	Ship Wt. Lbs.
				C **	Fig No.		F	G	H	J		
CC100-12096-2	100	3 1/8	2 1/8	4	3	1/2	12 3/4	114	19	86	212	740
CC125-12096-2	125	3 5/8	2 5/8	4	3	1/2	12 3/4	114	19	86	185	800
CC150-12144-1	150	4 1/8	2 5/8	6	4	3/4	12 3/4	164	15 1/4	133 1/2	303	1040
CC170-12144-1	170	4 1/8	3 1/8	6	4	3/4	12 3/4	164	15 1/4	133 1/2	277	1100
CC200-14144-1	200	4 1/8	3 1/8	6	4	3/4	14	164	15 1/4	133 1/2	323	1505
CC250-16144-1	250	4 1/8	3 1/8	8	4	3/4	16	172	20 1/2	131	446	2025
CC300-16144-1	300	5 1/8	3 1/8	8	4	3/4	16	172	20 1/2	131	391	2160
CC350-18144-1	350	5 1/8	3 5/8	8	4	1	18	174 1/2	21 3/4	131	536	2560
CC400-18144-1	400	5 1/8	4 1/8	8	4	1	18	174 1/2	21 3/4	131	481	2700
CC450-20144-1	450	6 1/8	4 1/8	10	4	1	20	174 1/2	23	128 1/2	648	3120
CC500-20144-1	500	6 1/8	4 1/8	10	4	1	20	174 1/2	23	128 1/2	597	3240

Nominal tons rated on 14,000 btu/hr at 105°F condensing temperature with water inlet 85°F and outlet 95°F.
 Pump Down Capacity based on R-22 at 90°F with condenser 80% full. ** Water connections are raised forced 150# ANSI flanges.
 Custom units are available upon request.