

# SEA WATER COOLED CONDENSER

**SVCC 012 - 1 -08 -N30**

MATERIAL TUBE N30 = COPPER NICKEL ( N30 = COPPER 70% / NICKEL 30% )

SIZE SHELL....INCH ( SHELL 8 INCH )

NUMBER OF CIRCUIT 1 = 1 CIRCUIT

NOMINAL COMPRESSOR HORSE POWER (12 HP) AT : TC 42 °C , WATER IN 30 °C / OUT 35 °C

REFRIGERANT	NOMINAL HEAT CAPACITY (BTU/hr)
R22	12 x 1 x 8,333.4 x 0.94* = 94,000
R134A	12 x 0.95 x 8,333.4 x 0.94* = 89,300
R404	12 x 0.91 x 8,333.4 x 0.94* = 85,540
R407	12 x 0.98 x 8,333.4 x 0.94* = 92,120
R507	12 x 0.93 x 8,333.4 x 0.94* = 87,420

REMARK : EXCLUDE HEAT REJECT 125% , \*FACTOR FOR SEA WATER 94 %

AT FOULING FACTOR :	0.0005 ft.hr°F/BTU (DISTILLED WATER)	114 %
	0.00075 ft.hr°F/BTU (FRESH WATER)	103 %
	0.00085 ft.hr°F/BTU (COOLING TOWER)	100 %
	0.001 ft.hr°F/BTU (CLEAN RIVER WATER)	94 %
	0.0015 ft.hr°F/BTU (RIVER WATER)	82 %

SVCC = NORMAL SEA WATER CONDENSER TYPE

FSVCC = MODIFIED TYPE

**REMARK** MATERIAL

TUBE SHEET AND COVER : CARBON STEEL COATING NYLON 6

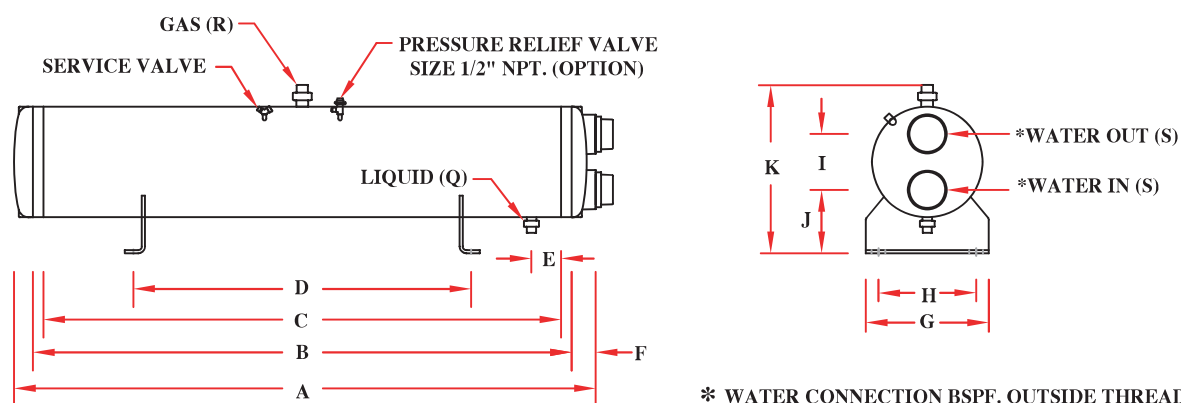
SHELL : CARBON STEEL

WATER CONNECTION : STAINLESS 316



BRAND 3Q

# SEA WATER COOLED CONDENSER



\* WATER CONNECTION BSPF. OUTSIDE THREAD

## MODEL SVCC , SHELL 4" - 12" ( 1 CIRCUIT )

MODEL	DIMENSION (millimetre)											DIMENSION (inch)			NO OF PASSES	APPROX WEIGHT (kg)	HEAT TRANSFER AREA (ft <sup>2</sup> )													
	A	B	C	D	E	F	G	H	I	J	K	Q	R	S																
SVCC 1.8-1-04N30	500	440	382	ADJUST SUPPORT	9	30	182	122	68	89	184	1/2"	5/8"	1"	4	14.3	20.6													
SVCC 2.2-1-04N30	580	520	462													15.8	24.9													
SVCC 2.8-1-04N30	700	640	582													18.1	31.4													
SVCC 3.5-1-04N30	840	780	722													20.7	39.0													
SVCC 2.5-1-05N30	440	380	322	ADJUST SUPPORT	9	30	209	149	82	106	217	1/2"	3/4"	1"	4	23.1	27.2													
SVCC 3.5-1-05N30	580	520	462													26.8	39.1													
SVCC 005-1-05N30	780	720	662													32.1	56.1													
SVCC 006-1-05N30	900	840	782													35.3	66.3													
SVCC 3.0-1-06N30	404	340	282	ADJUST SUPPORT	14	32	236	176	96	112	244	3/4"	7/8"	1 1/2"	2	27.7	31.4													
SVCC 3.5-1-06N30	474	410	352													30.3	37.9													
SVCC 004-1-06N30	514	450	392													31.5	43.3													
SVCC 4.5-1-06N30	584	520	462													33.8	49.8													
SVCC 005-1-06N30	644	580	522													35.9	56.3													
SVCC 006-1-06N30	744	680	622													39.3	67.1													
SVCC 7.5-1-06N30	904	840	782													44.7	84.4													
SVCC 010-1-06N30	1144	1080	1022													49.5	99.6													
SVCC 012-1-06N30	1374	1310	1252													56.3	121.3													
SVCC 7.5-1-08N30	621	520	462													ADJUST SUPPORT	14	51	287	227	90	149	303	7/8"	1 1/8"	2"	2	54.1	85.4	
SVCC 010-1-08N30	721	620	562																									60.5	107.7	
SVCC 012-1-08N30	881	780	722																									67.9	133.7	
SVCC 015-1-08N30	1081	980	922	78.4	170.8																									
SVCC 020-1-08N30	1281	1180	1122	89.1	208.0																									
SVCC 025-1-08N30	1581	1480	1422	104.9	263.7																									
SVCC 030-1-08N30	1931	1830	1772	129.5	325.6																									
SVCC 010-1-10N30	530	440	382	ADJUST SUPPORT	14	45	341	281	128	161	359	7/8"	1 1/8"	2 1/2"	2													62.6	110.2	
SVCC 012-1-10N30	610	520	462													74.9	133.4													
SVCC 015-1-10N30	730	640	582													83.0	168.3													
SVCC 020-1-10N30	930	840	782													96.4	226.3													
SVCC 025-1-10N30	1070	980	922													105.2	266.9													
SVCC 030-1-10N30	1270	1180	1122									119.2	325.0																	
SVCC 035-1-10N30	1400	1310	1252											128.2	362.7															
SVCC 040-1-10N30	1570	1480	1422													125.5	412.0													
SVCC 025-1-12N30	805	680	618															56	70	360	286	164	185	429	1 1/8"	2"	3"	2	116.1	268.6
SVCC 030-1-12N30	945	820	758																										128.4	329.3
SVCC 040-1-12N30	1205	1080	1018	151.2	441.9																									
SVCC 050-1-12N30	1415	1290	1228	169.6	532.9																									
SVCC 060-1-12N30	1605	1480	1418	186.3	615.3																									