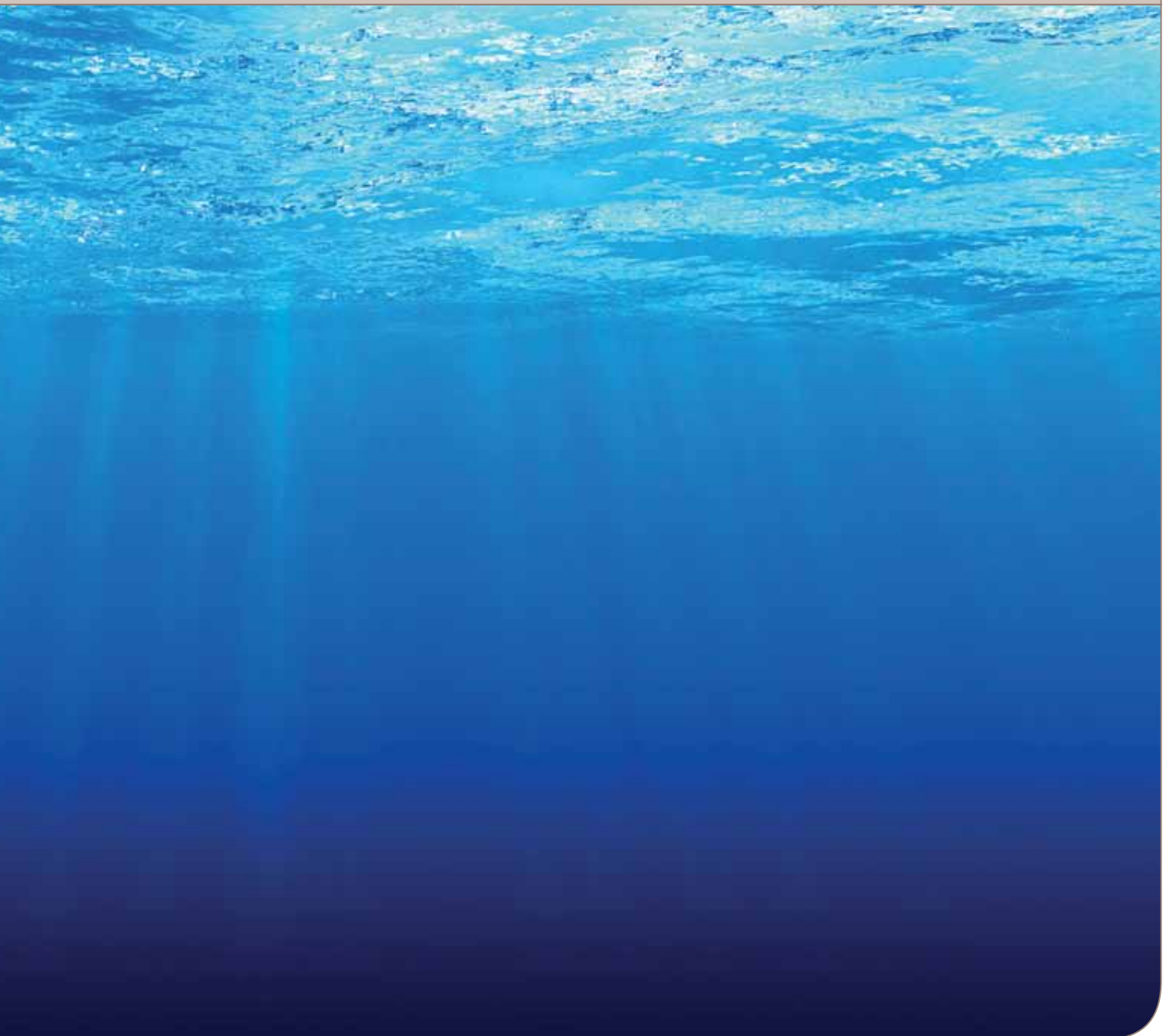




Well-equipped for any challenge

Shell-and-tube water cooled condensers for fresh and seawater applications



Model CXP		111-XS-2P	112-XS-2P	113-XS-2P	142-XS-2P	143-XS-2P	144-XS-2P	142-S-2P	143-S-2P	144-S-2P	161-S-2P	162-S-2P	163-S-2P	161-M-1P	162-M-1P	163-M-1P
R404A refrigerant	Qn (KW)*	19	25	32	42	52	60	67	75	85	105	115	125	166	185	205
Tc, mean =40°C	Wn(m³/h)	3,7	4,4	5,4	7	9,2	10,5	10,5	12	14,5	17	19	21,5	28,6	32	35
Ti=30°C ΔT≈5K*	Wm(m³/h)	4,45	6,7	8,9	11	13,2	15,5	11,2	13,4	15,7	17,9	20,1	22,4	35,7	40	44,8
FF=0.000043 m² KW	Dpn(bar)	0,24	0,16	0,15	0,14	0,17	0,17	0,38	0,36	0,39	0,4	0,4	0,41	0,21	0,22	0,23

Model CXP		111-XS-4P	112-XS-4P	113-XS-4P	142-XS-4P	143-XS-4P	144-XS-4P	142-S-2P	143-S-2P	144-S-2P	161-S-4P	162-S-4P	163-S-4P
R404A refrigerant	Qn (KW)*	24	35	45	55	70	80	90	100	120	130	140	150
Tc, mean =35°C	Wn (m³/h)	1,5	2,15	2,7	3,3	4,3	4,9	5,6	6,3	7,5	7	7,5	8
Ti=15°C ΔT≈15K*	Wm (m³/h)	2,2	3,3	4,4	5,5	6,7	7,8	11	13,4	15,7	8,9	10	11
FF=0.000043 m² KW	Dpn (bar)	0,35	0,33	0,32	0,27	0,32	0,3	0,13	0,12	0,11	0,55	0,51	0,5

Model CDEW		60	80	100	120	135	165	190	215	240	260	300	360	400	450	470	520	550	610	680	760	840
Cooling tower water (2 passes)																						
R407C refrigerant	Qn (kW)	57	75	100	118	135	165	190	215	233	260	300	360	400	450	470	520	550	610	680	760	840
Tc, mean = 42°C	Wn (m³/h)	9.5	12.7	17.5	20.6	20.2	25.5	27.7	30.7	33.6	37.0	44.0	53.3	59.2	62.9	68.4	75.8	83.4	90.8	99.9	110.5	121.7
Ti = 29.4°C	Wm (m³/h)	10.2	13.6	18.7	22.1	23	19.8	32.4	35.8	35.8	42.5	51	61.4	68.3	72.5	78.5	87	95	102	112	126	140
FF = 0.000043 m² KW	Dpn (bar)	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
City water (4 passes)																						
R407C refrigerant	Qn (kW)	55	74	99	118	133	165	185	205	230	255	300	365	415	445	467	520	581	613	680	755	850
Tc, mean = 35°C	Wn (m³/h)	3.4	4.5	6.1	7.2	7.5	9.3	10.2	11.3	12.1	14	16.8	20	22.1	23.8	25.6	28	31.5	33.8	37.1	41.6	46.2
Ti = 15°C	Wm (m³/h)	4.5	6	8.2	9.7	10.1	13.1	14.2	15.7	15.7	18.7	22.5	27	30	31.7	34.5	38	42	45	49.5	55.2	61.2
FF = 0.000043 m² KW	Dpn (bar)	0.35	0.35	0.35	0.35	0.38	0.38	0.38	0.38	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.43	0.43	0.43	0.43

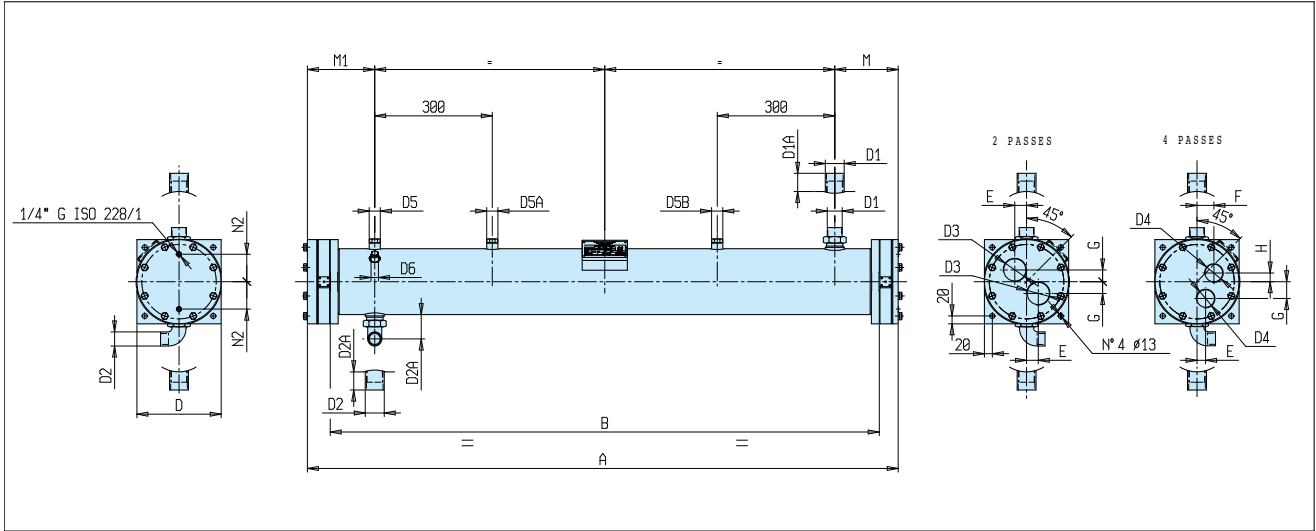
Model CDEW		900	940	1040	1100	1220	1360	1520	1680
Cooling tower water (2 passes)									
R407C refrigerant	Qn (KW)*	940	990	1070	1180	1280	1400	1560	1750
Tc, mean =42°C	Wn(m³/h)	130	140	151	165	180	195	224	252
Ti=29.4°C	Wm(m³/h)	146	156	174	190	204	225	252	280
FF=0.000043m²KW	Dpn(bar)	0,41	0,4	0,4	0,4	0,4	0,4	0,4	0,45
Cooling city water (4 passes)									
R407C refrigerant	Qn (KW)*	900	945	1040	1100	1220	1360	1520	1680
Tc, mean =42°C	Wn(m³/h)	49	51	56	60	66	74	85	91
Ti=15°C	Wm(m³/h)	64,5	69	76	84,2	90	99	111	123
FF=0.000043m²KW	Dpn(bar)	0,45	0,44	0,44	0,42	0,44	0,45	0,5	0,5

Model CDEW-E		155	170	185	215	260	315	350	370	395	440	480	520	570	640	705
Cooling tower water (2 passes)																
R134a refrigerant	Qn (kW)	155	168	183	216	260	313	348	368	394	438	479	520	570	638	705
Tc = 37.5°C	Wn (m³/h)	24	26	28.6	34.1	41	49	54.5	58	62.6	69.5	76.2	82	90	101	112
Ti = 29.4°C	Wm (m³/h)	29.8	32.4	35.8	42.5	51	61.4	68	72.4	78	87	95	102	112	126	140
FF = 0.000043 m² K/W	Dpn (bar)	0.40	0.39	0.35	0.40	0.41	0.39	0.39	0.39	0.40	0.40	0.39	0.39	0.39	0.40	0.40
City tower water (4 passes)																
R134a refrigerant	Qn (kW)	175	190	210	250	300	360	400	428	460	512	560	600	660	740	825
Tc = 35°C	Wn (m³/h)	8.9	9.7	10.8	12.8	15.3	18.4	20.5	21.8	23.5	26.1	28.6	30.8	33.7	37.8	41.8
Ti = 15°C	Wm (m³/h)	13.1	14.2	15.7	18.7	22.5	27	30	31.9	34.5	38	42	45	49.5	55.5	61.5
FF = 0.000043 m² K/W	Dpn (bar)	0.47	0.46	0.41	0.44	0.43	0.44	0.44	0.43	0.44	0.46	0.43	0.45	0.45	0.45	0.44

Qn Nominal condensation capacity Wm Maximum water flow rate Ti Water inlet temperature
Wn Nominal water flow rate Tc Condensing temperature Ff Fouling factor

* the datas are indicative. To select precise datas, please use our dedicated software.

CDEW



Model CDEW		60	80	100	120	135	165	190	215	240	260	300	360	400	450	470	520	550	610	680	760	840		
A	mm	1500			1600		1740			1940		1970		1980			1980		1980					
B	mm	1400			1700		1600			1800		1800		1800			1800		1800					
C	mm	168					194					273		324			406							
D	mm	215					245					325		380			480							
E 2 passes	mm	30					35					55		65			0							
E 4 passes	mm	22					25					45		55			70							
F	mm	43					55					75		90			70							
G 2 passes	mm	30					35					55		65			105							
G 4 passes	mm	43					55					75		90			80							
H	mm	22					25					45		55			80							
M	mm	170					200					225		250			260							
M1	mm	180					210					235		260			270							
D1	mm	RC35					WA42					WA54		WA67			WA80							
D1A	mm	60					50					50		50			50							
D2	mm	RCL28					RCL35					WA42		WA54			WA54							
D2A	mm	65					65					50		50			50							
D3	in-G	T2					T21					T3		T4			T5							
D4	in-G	T11					T11					T2		T3			T4							
D5	in-NPT	1/2					3/4					1		1			1							
D5A	in-NPT	no					no					no		1			1							
D5B	in-NPT	no					no					no		no			1							
D6	in-NPT	1/4					1/4					1/4		1/4			1/4							
N2	mm	70					85					120		148			195							
Vr	dm3	22,3	20,8	19,4	18,1	20,1	24,9	23,7	21,9	24,9	70,6	66,1	57,0	53,1	50,6	90,5	86,1	81,7	152,1	146,0	137,8	129,6		
Lres	dm4	3,8	3,8	3,4	3,1	0,9	7,1	6,7	2,8	3,1	10,0	10,0	8,4	8,4	3,4	5,2	5,2	4,7	14,8	14,8	14,8	14,8		
VH2O	dm5	4,8	5,9	7,3	8,2	10,1	13,3	14,2	15,4	17,1	24,7	27,7	31,2	33,9	35,7	41,0	44,1	47,5	52,4	57,7	64,7	71,7		
P	Kg	58	61	65	68	85	105	108	111	121	195	203	215	222	227	293	304	313	441	452	467	482		

D1 Refrigerant inlet D3-D4 Water connections D5-D5A-D5B Safety valve connection VH2O Water volume
 D2 Refrigerant outlet N1-N2 For air vent/for drain of water Vr Refrigerant volume P net Weight

Attention: tolerance has to be considered on the dimensional data.