



We Work for **the Best**

SHELL&TUBE CONDENSERS | HC-SW SERIES

HC-SW SERIES SEA WATER COOLED SHELL&TUBE CONDENSERS
HC-SW SERİSİ DENİZ SUYU SOĞUTMALI SHELL&TUBE KONDENSERLER



HC-SW Serisi Deniz Suyu Soğutmalı Shell&Tube Kondensерler

HC-SW Series Sea Water Cooled Shell&Tube Condensers

HC-SW Serisi Shell&Tube kondensерlerin temel uygulama alanları ortam olarak deniz suyu kullanılan klima sistemlerinde ve deniz suyu kullanılan soğutma tesisleridir.

HC-SW Serisi Shell&Tube kondensерler standart çalışma koşullarında 20 kW'dan 1670 kW soğutma kapasitesine kadar en yüksek verim ve en düşük basınç kaybı sağlayacak şekilde üretilmektedir.

Hydroch, standart ürün yelpazesi dışında müşteri odaklı özel projeler için de hizmet vermektedir.

The main application areas of HC-SW Series Shell&Tube condensers are air conditioning systems using sea water as medium and cooling plants using sea water.

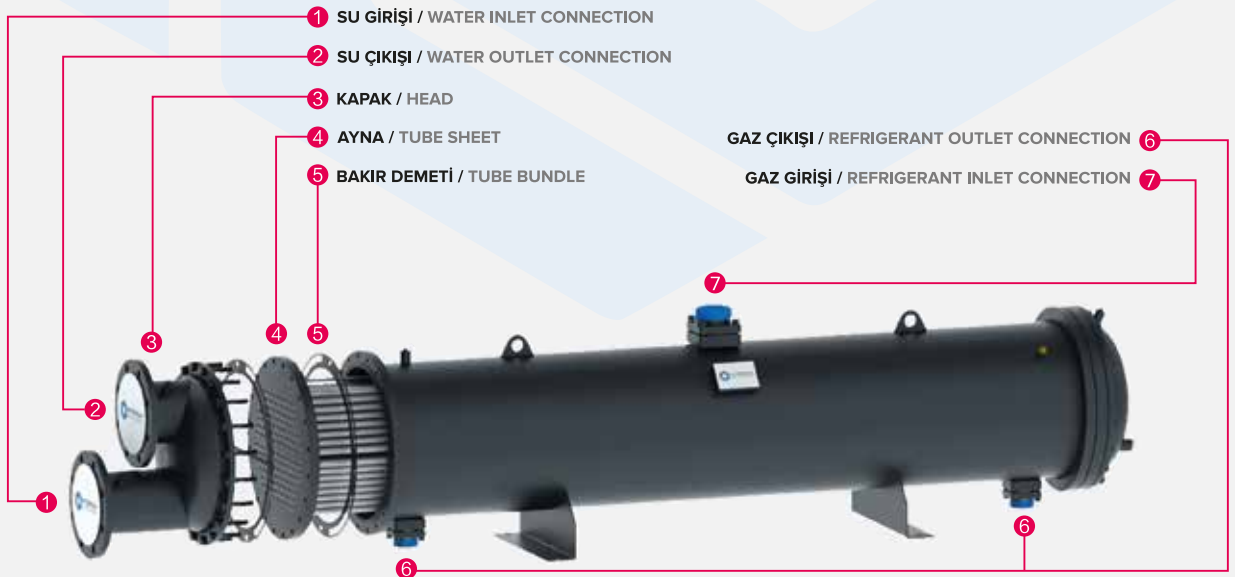
HC-SW Series Shell&Tube condensers are manufactured to provide the highest efficiency and lowest pressure loss from 20 kW to 1670 kW cooling capacity under standard operating conditions.

Apart from its standard product range, Hydroch can also provide services for customized special projects.



Teknik Detaylar
Technical Details

Boru Tarafı	Test Basıncı / Test Pressure	12 Bar
Tube Side	Maks. Çalışma Basıncı / Max. Working Pressure	10 Bar
Kovan Tarafı	Test Basıncı / Test Pressure	40 Bar
Shell Side	Maks. Çalışma Basıncı / Max. Working Pressure	30 Bar
Çalışma Sınırları / Operation Limits		-10°C / +90°C
Soğutucu Akışkan / Refrigerant		R407C
Su Giriş - Çıkış / Water Inlet-Outlet Temperature		28°C / 33°C
Kondenzasyon / Condensation Temperature		42°C
Aşırı Kızdırma / Superheating		3K
Kirlilik Faktörü / Fouling Factor		0,000086 m ² k/W
Renk Kodu / Color Code		RAL 7021



HC-SW Serisi Deniz Suyu Soğutmalı Shell&Tube Kondensерler

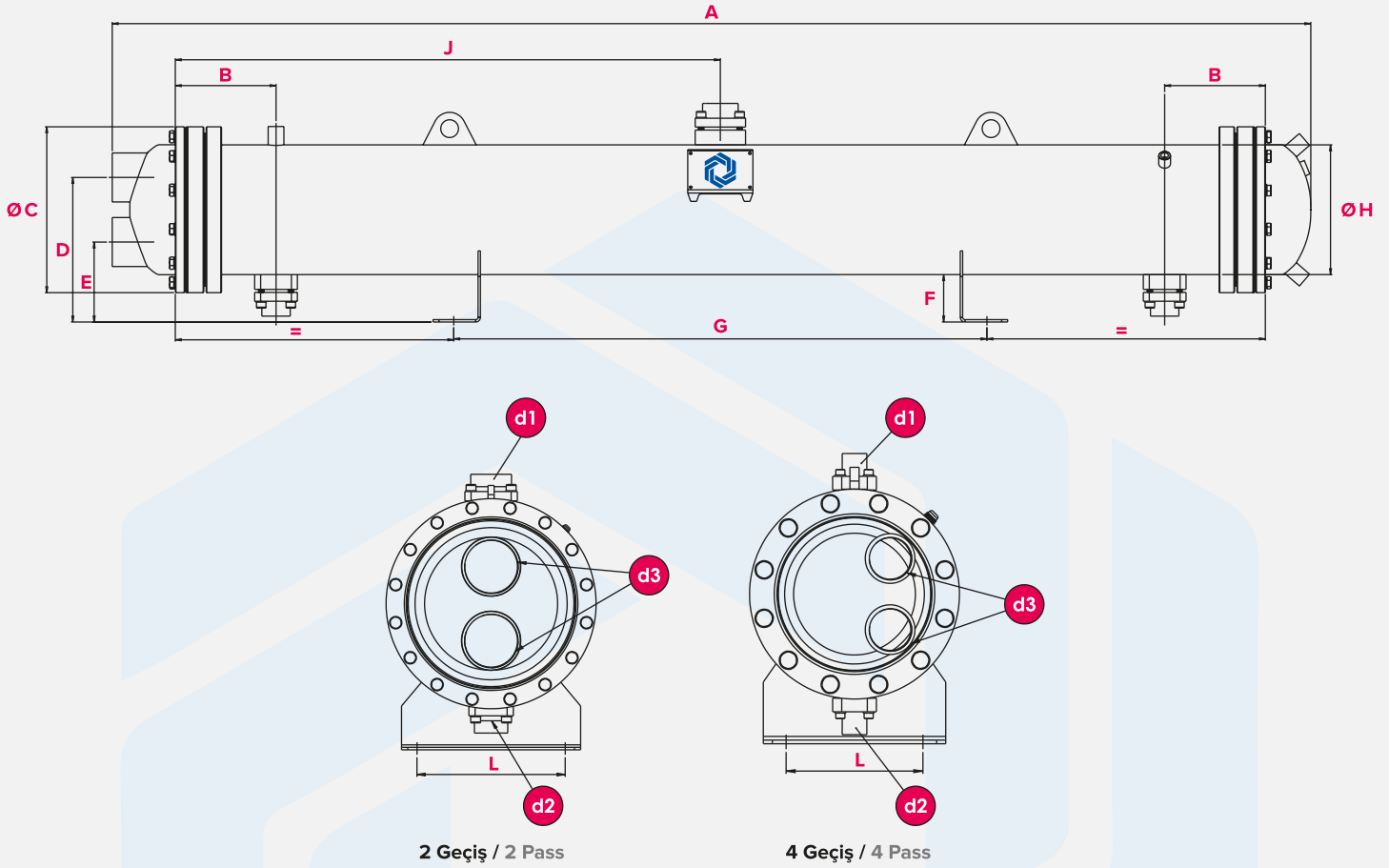
HC-SW Series Sea Water Cooled Shell&Tube Condensers

HC-SW Serisi Kondensерler için Kapasite Tablosu
Capacity Table for HC-SW Series Condensers

MODEL	Kapasite Capacity	Kapasite Capacity	Su Debisi Flow Rate	Basınç Kaybı Pressure Drop	Geçiş Pass	Gaz Hacmi Freon Volume	Su Hacmi Water Volume	Ağırlık Weight
	kW	Tons (RT)	m ³ /h	kPa		L	L	kg
HC-SW 20	21	5,9	3,5	16	4	10,4	3,6	41
HC-SW 30	32	9,1	6,1	26	4	9,7	4,2	43
HC-SW 40	40	11,3	7,8	28	4	9,0	4,7	44
HC-SW 50	48	13,6	9,5	32	4	8,2	5,3	48
HC-SW 60	57	16,2	11,2	35	4	7,5	5,9	50
HC-SW 75	71	20,1	12,9	22	2	20,2	6,4	57
HC-SW 90	82	23,3	15,6	20	2	18,7	7,6	60
HC-SW 105	94	26,7	17,3	21	2	17,2	8,7	63
HC-SW 120	107	30,4	20,8	25	2	15,6	9,8	67
HC-SW 135	120	34,1	22,4	27	2	14,9	10,4	69
HC-SW 145	131	37,2	25,1	45	2	22,3	10,6	72
HC-SW 160	146	41,5	28,6	48	2	20,3	12,1	77
HC-SW 180	162	46,1	31,2	51	2	19,3	12,8	80
HC-SW 200	185	52,6	34,6	39	2	41,9	16,6	106
HC-SW 225	206	58,6	38,1	41	2	39,9	18,1	109
HC-SW 250	228	64,8	42,4	46	2	38,0	19,5	113
HC-SW 270	249	70,8	45,9	50	2	36,0	21,0	118
HC-SW 290	268	76,2	49,3	53	2	34,0	22,5	123
HC-SW 320	290	82,5	54,2	40	2	66,9	26,3	152
HC-SW 345	313	89,0	58,8	44	2	64,9	27,8	156
HC-SW 370	345	98,1	62,3	43	2	60,9	30,7	167
HC-SW 400	381	108,3	69,2	31	2	57,0	33,6	176
HC-SW 440	422	119,9	77,9	34	2	53,0	36,5	186
HC-SW 475	450	127,9	83,2	36	2	91,3	41,1	230
HC-SW 510	500	142,2	90,0	36	2	85,3	45,4	235
HC-SW 560	532	151,3	95,2	36	2	81,4	48,4	244
HC-SW 620	587	166,9	106,0	41	2	77,4	51,3	254
HC-SW 680	634	180,3	117,0	47	2	73,4	54,2	264
HC-SW 760	728	207,0	132,0	32	2	91,9	64,2	319
HC-SW 850	780	221,8	145,0	36	2	88,4	66,7	328
HC-SW 950	930	264,4	163,0	38	2	150,8	80,5	391
HC-SW 1050	1056	300,3	180,0	38	2	137,5	90,3	423
HC-SW 1100	1114	316,8	190,0	39	2	131,9	94,3	437
HC-SW 1210	1208	343,5	211,0	43	2	189,8	105,5	506
HC-SW 1340	1330	378,2	235,0	48	2	178,7	113,6	533
HC-SW 1500	1492	424,2	263,0	51	2	236,8	131,5	618
HC-SW 1670	1655	470,6	291,0	55	2	221,3	142,8	640

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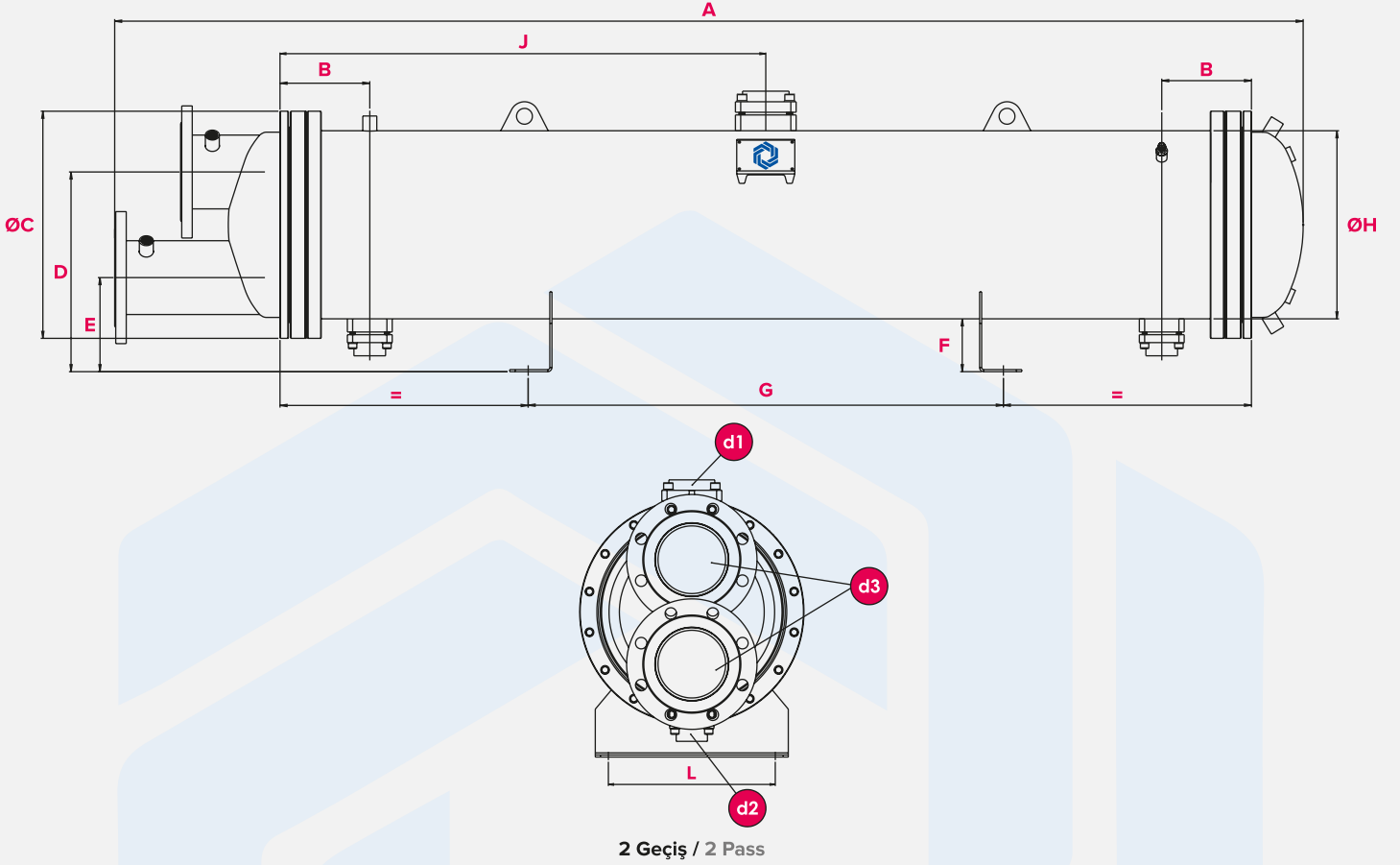


	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	J (mm)	H (mm)	L (mm)	d1 (mm)	d2 (mm)	d3
HC-SW 20	867	120	230	203	125	80	350	370	168	150	Ø22	Ø22	1½"
HC-SW 30	867	120	230	203	125	80	350	370	168	150	Ø22	Ø22	1½"
HC-SW 40	867	120	230	203	125	80	350	370	168	150	Ø22	Ø22	1½"
HC-SW 50	867	120	230	203	125	80	350	370	168	150	Ø22	Ø22	1½"
HC-SW 60	867	120	230	203	125	80	350	370	168	150	Ø22	Ø22	1½"
HC-SW 75	1584	166	230	209	120	80	700	724	168	150	Ø35	Ø22	2"
HC-SW 90	1584	166	230	209	120	80	700	724	168	150	Ø35	Ø22	2"
HC-SW 105	1584	166	230	209	120	80	700	724	168	150	Ø35	Ø22	2"
HC-SW 120	1584	166	230	209	120	80	700	724	168	150	Ø35	Ø22	2"
HC-SW 135	1584	166	230	209	120	80	700	724	168	150	Ø35	Ø22	2"
HC-SW 145	1984	166	230	209	120	80	900	916	168	150	Ø42	Ø35	2"
HC-SW 160	1984	166	230	209	120	80	900	916	168	150	Ø42	Ø35	2"
HC-SW 180	1984	166	230	209	120	80	900	916	168	150	Ø42	Ø35	2"
HC-SW 200	2023	170	280	244	135	80	900	920	219	200	Ø54	Ø42	2½"
HC-SW 225	2023	170	280	244	135	80	900	920	219	200	Ø54	Ø42	2½"
HC-SW 250	2023	170	280	244	135	80	900	920	219	200	Ø54	Ø42	2½"
HC-SW 270	2023	170	280	244	135	80	900	920	219	200	Ø54	Ø42	2½"
HC-SW 290	2023	170	280	244	135	80	900	920	219	200	Ø54	Ø42	2½"

* HC-SW 20 ve HC-SW 290 arası modellerin su bağlantıları dişlidir.
The water connections of the models between HC-SW 20 and HC-SW 290 are threaded.

HC-SW Serisi Deniz Suyu Soğutmalı Shell&Tube Kondensерler

HC-SW Series Sea Water Cooled Shell&Tube Condensers



	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	J (mm)	H (mm)	L (mm)	d1 (mm)	d2 (mm)	d3
HC-SW 320	2215	170	340	312	162	100	900	920	273	240	Ø54	Ø42	3"
HC-SW 345	2215	170	340	312	162	100	900	920	273	240	Ø54	Ø42	3"
HC-SW 370	2215	170	340	312	162	100	900	920	273	240	Ø54	Ø42	3"
HC-SW 400	2215	170	340	312	162	100	900	920	273	240	Ø54	Ø42	3"
HC-SW 440	2215	170	340	312	162	100	900	920	273	240	Ø54	Ø42	3"
HC-SW 475	2243	170	400	349	176	100	900	920	324	280	Ø80	Ø54	4"
HC-SW 510	2243	170	400	349	176	100	900	920	324	280	Ø80	Ø54	4"
HC-SW 560	2243	170	400	349	176	100	900	920	324	280	Ø80	Ø54	4"
HC-SW 620	2243	170	400	349	176	100	900	920	324	280	Ø80	Ø54	4"
HC-SW 680	2243	170	400	349	176	100	900	920	324	280	Ø80	Ø54	4"
HC-SW 760	2251	170	430	378	178	100	900	920	356	320	Ø80	Ø54	5"
HC-SW 850	2251	170	430	378	178	100	900	920	356	320	Ø80	Ø54	5"
HC-SW 950	2447	170	480	419	188	100	1000	1020	406	370	Ø80	Ø54	6"
HC-SW 1050	2447	170	480	419	188	100	1000	1020	406	370	Ø80	Ø54	6"
HC-SW 1100	2447	170	480	419	188	100	1000	1020	406	370	Ø80	Ø54	6"
HC-SW 1210	2481	170	540	444	213	100	1000	1020	457	420	Ø105	Ø80	6"
HC-SW 1340	2481	170	540	444	213	100	1000	1020	457	420	Ø105	Ø80	6"
HC-SW 1500	2505	170	590	470	239	100	1000	1020	508	470	Ø105	Ø80	6"
HC-SW 1670	2505	170	590	470	239	100	1000	1020	508	470	Ø105	Ø80	6"

* HC-SW 320 ve HC-SW 1670 arası modellerin su bağlantıları flanşlıdır.
The water connections of the models between HC-SW 320 and HC-SW 1670 are flanged.

Tüm teknik bilgiler, açıklamalar ve fiyatlar önceden haber vermeksizin değiştirilebilir.
All technical information, descriptions and prices are subject to change without prior notice.



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