

HVAC

CHILLER PRODUCT OVERVIEW



About ERACO






























We have adopted the principle of **“Honesty and Reliability”** since our establishment. We have a structure that is expert in its business, provides initiative to its employees, prioritizes change, development and institutionalization. Because we are made up of team members who believe that we are more of a family than a company, and act with love, respect and goodwill in all their relationships.





Legenda

Pictograms

Cooling	
Inverter	
Shell And Tube	
Heating	
Led Screen	
Water	
Adiabatic Mistspraying System	
Micro Channel	
Axial Fan	
Plate Type Heat Exchanger	
Touch Screen	
Plug-Fan	
Flooded Shell And Tube	
Centrifugal Fan	
GSM/GPRS/TCP-IP Connection	
Resistance	
Hermetic Scroll Compressor	
Rotary	
High-Temperature	
Semi-Hermetic Twin Screw Compressor	
Free-Cooling	
Semi Hermetic Reciprocating Compressor	
R134A Refrigerant	
R404A Refrigerant	
R407C Refrigerant	
R410A Refrigerant	
R454B Refrigerant	
R507A Refrigerant	
R513A Refrigerant	





1300+
ANNUAL PRODUCTION



73%
EXPORT PERCENTAGE



9250+
SATISFIED CUSTOMERS



162
EMPLOYEES



21,000m²
PRODUCTION AREA

Features	Refrigerant	Cooling	Heat pump	Water Tank	Water Pump	Inverter	Compressor	RANGE					
								3,5~50 kW	51~200 kW	201~600 kW	601~1000 kW	1001~1500 kW	1501~2000 kW
AIR COOLED CHILLERS													
Standard Chillers													
HEA-S&T	R410A							_____					
RCA-W	R134A							_____					
Heatpump Chillers													
HEA-HPS	R410A							_____					
Inverter Chillers													
KMA-T	R410A							_____					
Free Cooling Chillers													
HYD-S	R410A							_____					
HYD-W	R134A							_____					
WATER COOLED CHILLERS													
Standard Chillers													
HEW-S	R410A							_____					
RCW-W	R134A							_____					
CONDENSERLESS CHILLERS													
HEA-CC	R410A							_____					
RCA-CC	R134A							_____					
NVA-CC	R410A							_____					
CONDENSING UNIT													
CUA	R410A							_____					
REMOTE CONDENSER													
COR	R410A / R134A							_____					
DRY COOLERS													
ER.FCV								_____					
HYDRONIC UNIT													
PTS								_____					

Compressor Types

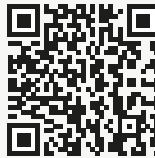
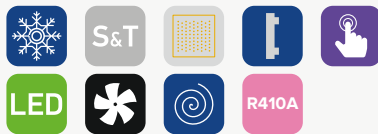
Scroll Compressor	Rotary Compressor	Screw Compressor
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HEA-S&T AIR COOLED CHILLER

The HEA-S series air cooled chiller units, specifically designed for air conditioning (HVAC) applications, have a rather wide and various capacity range thanks to their 1-2-4-8 and 12 scroll compressor structure. The cooling capacity at models with multiple compressors are staged. Thus, both energy saving is ensured and the complete stoppage of the process in case of a defect is prevented. The best and advanced technology product components are used at the units. The compressor and fan groups have an equal aging feature under processor control.



HEA-S&T	❄️ kW	HEA-S&T	❄️ kW
101	9,5	2422	223,0
151	15,0	3004	275,6
181	17,3	3774	344,5
211	19,3	4473	412,0
231	21,3	4854	446,1
311	28,5	5656	516,7
361	32,3	5964	549,3
401	37,2	6759	620,0
461	41,7	7276	669,1
632	57,1	8489	775,1
752	74,4	8946	824,0
942	83,4	10919	1.003,7
1212	112,6	11928	1.098,6
1492	137,8	145412	1.338,2
1882	172,2	178812	1.647,9



RCA-W AIR COOLED CHILLER

The RCA-W series, two screw air cooled chiller units, which are manufactured with components having the best operating values of their class, are ideal for HVAC processes, where a high cooling capacity is needed or where a high capacity control is requested. They are equipped with "Field" type condensers and fan groups in order to allow them to operate in regions with high temperatures. 7" colour LCD touch-screen control panel, allowing remote connec-



RCA-W	❄️ kW
1722	156,7
2162	195,2
2492	225,8
2892	254,8
3332	299,7
3872	348,1
4412	396,5
5322	495,6
5482	547,2
6672	622,9
7932	739,7
9252	860,9
10602	990,0
12052	1.125,0
12992	1.211,9
14242	1.326,5
16253	1.485,0

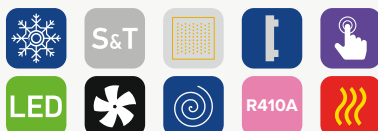


HEA-HPS AIR COOLED HEATPUMP CHILLER

The HEA-HPS series air cooled chiller units, specifically designed for air conditioning (HVAC) applications, have a rather wide and various capacity range thanks to their 1-2-4-8 and 12 scroll compressor structure. It is the star of air conditioning systems with its ability to provide heating and cooling when necessary under different seasonal conditions. The cooling and heating capacity at models with multiple compressors are staged. Thus, both energy saving is ensured and the complete stoppage of the process in case of a defect is prevented. The best and advanced technology product components are used at the units. The compressor and fan groups have an equal aging feature under processor control.



HEA-HPS	❄️ kW	🔥 kW
101	9,5	10,4
151	15,0	16,1
181	17,3	18,6
211	19,3	20,8
231	21,3	23,0
311	28,5	30,8
361	32,3	34,8
401	37,2	39,9
461	41,7	44,7
632	57,1	61,6
752	74,4	79,7
942	83,4	89,4
1212	112,6	121,3
1492	137,8	147,5
1882	172,2	184,8
2422	223,0	237,7
3004	275,6	295,0
3774	344,5	369,7
4473	412,0	442,2
4854	446,1	475,5
5656	516,7	554,5
5964	549,3	589,6
6759	620,0	663,7
7276	669,1	713,2
8489	775,1	831,7
8946	824,0	884,4
10919	1.003,7	1.069,8
11928	1.098,6	1.179,2
145412	1.338,2	1.426,4
178812	1.647,9	1.768,8

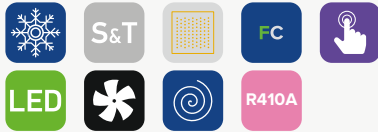


HYD-S AIR COOLED & FREE COOLING CHILLER

HYD-S series products specially configured for HVAC market within the hybrid devices produced in Eraco facilities transfer the required coolant to the system by passing it through a dry-cooler or chiller circuit. It has the number of compressors and horsepower based on the capacity requirement. HYD-S series products with multiple compressor structure prevent the system from stopping completely in possible cases of failure. Thanks to the energy saving it provides, it depreciates the investment made in a short time and thus reduces the operating cost. All required working operations are managed sensitively by the "freecooling kit" in the device, leaving no need for any user intervention.



HYD-S	✱ kW
701	68,9
871	86,1
1121	111,5
1381	137,3
1732	172,2
2242	223,0
2762	274,7
3464	344,5
4484	446,1
5196	516,7
5534	549,3
6726	669,1
7789	775,1
8296	824,0
8968	892,2
10099	1.003,7
11058	1.098,6
12439	1.235,9
134512	1338,2

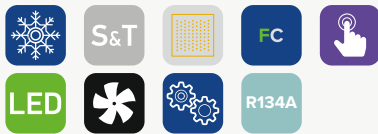


HYD-W AIR COOLED & FREE COOLING CHILLER

HYD-W series products from HVAC series hybrid product groups are cooling devices designed with high strength screw compressors. Coolant is supplied from the chiller or free-cooler circuit depending on the need. It is especially preferred in regions where energy is expensive thanks to the high savings it provides in cold weather. Precise temperature and working zone adjustment can be made thanks to the PLC controlled 3-way valve it includes. It is among the preferred hybrid products due to its high strength thanks to screw compressors and repairability in a short time in case of failure.



HYD-W	✱ kW
1722	156,7
2162	195,2
2492	225,8
2892	254,8
3332	299,7
3872	348,1
4412	396,5
5322	495,6
5482	547,2
6672	622,9
7932	739,7
9252	860,9
10602	990,0
12052	1.125,0
12992	1.211,9
14242	1.326,5
16253	1.485,0

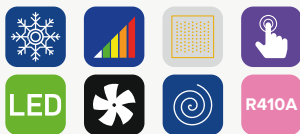


KMA-T AIR COOLED INVERTER CHILLER

KMA-T series chillers, which combine energy saving and affordable initial investment cost, are unique products for air conditioning applications. The compressors in the device are configured as 1 inverter + other normal compressors. In this way, while the inverter compressor meets variable loads, it is replaced by fixed speed compressors at high capacities and tends towards intermediate capacities again. Chiller devices in this series, which is a hybrid composition of inverter and normal compressors, provide energy savings of up to 40% compared to standard chiller devices. KMA series chiller units, where high-quality components are combined with good engineering, are available in a quite wide range of capacities.



KMA-T	✱ Min kW	✱ Max kW
732	15,9	107,5
1012	21,4	148,0
1384	15,9	203,4
1854	21,4	271,6
2154	21,4	314,0
2744	21,4	403,4
3784	21,4	551,0
4476	21,4	658,8
5506	21,4	806,4
6536	21,4	954,0
7238	21,4	1.061,8
8268	21,4	1.209,4
9298	21,4	1.357,0



HEW-S WATER COOLED CHILLER

The HEW-S series tandem scroll compressor chiller devices, specially developed for HVAC systems, are high efficient water cooled units. These are particularly preferred at interior operations since they require very less space thanks to their minimized dimensions. They actuate their compressors according to the cooling need by their multiple compressor structure and provide thus energy savings. 7" colour LCD touch-screen monitor, flow control system, compressor equal aging software are included as a standard.



HEW-S	❄️ kW
641	60,0
811	73,4
991	91,9
1291	118,4
1611	145,5
1932	183,7
2422	236,8
3222	291,1
3863	355,2
4833	436,6
5786	551,2
6444	582,1
7259	660,2
7716	710,5
9676	873,2
11579	1.065,7
12878	1.164,3
154212	1.420,9
193112	1.746,4

RCW-W WATER COOLED CHILLER

The RCW-W series water cooled chiller units, developed for air conditioning system in regions with high temperatures, are among the best of their components they include. The compressors at our units, designed with 2 compressors, actuate in stages depending on the capacity need. Thus, along with energy savings, also the operation of the running components during unnecessary times is prevented, too (equal aging feature). The RCW-W series water cooled chiller units, which can be supplemented with equipments like hydraulic kit, inverter etc. depending on the project, have a rather wide capacity range.



RCW-W	❄️ kW
2002	166,4
2512	206,7
2922	239,9
3412	270,7
3872	320,1
4452	365,5
5082	416,3
5502	522,4
6342	578,5
6912	658,5
8022	782,7
9392	901,3
10752	1.037,1
12352	1.178,3
14112	1.272,9
15252	1.390,6
16133	1.555,6
18523	1.767,5
21173	1.909,3
22873	2.085,9

HEA-CC CONDENSERLESS CHILLER

It is a scroll compressor version for air conditioning processes of the preferred condenser-free chiller application in cold areas. The HEA-CC series units produced with reasonable price, minimal design, high efficiency and comfortable service advantages are shipped in R410A gas charged. High efficiency Shell & Tube evaporators integrated into the device can be designed at the plate type according to the field requirements. Regardless of the caustic structure of the condenser-free structure, it can be used in indoor applications, so that the use of unnecessary antifreeze is also prevented.



HEA-CC	❄️ kW	HEA-CC	❄️ kW
91	8,8	2654	257,3
161	15,4	3224	321,5
191	17,6	3863	385,8
211	19,9	4184	417,5
281	26,7	4836	482,3
311	30,2	5144	514,4
361	34,7	5799	579,0
401	38,9	6266	626,3
541	52,6	7249	723,5
661	64,3	7726	771,6
831	80,4	9409	939,5
1081	104,4	10308	1029,0
1331	128,6	125312	1253,0
1662	160,8	154412	1543,0
2152	208,8		

RCA-CC CONDENSERLESS CHILLER

RCA-CC series units with screw compressors are R134a gas charged condenser-free products. Thanks to its large capacity range, it is compatible with all HVAC projects projected with screw compressor. The integrated Shell & Tube type evaporator into the device can be designed as plates according to the need. The RCA-CC series products produced with the known and proved components in the field are among the first preferences of the project and application companies.



RCA-CC	* kW
1502	145,6
1882	182,3
2162	210,3
2442	237,2
2862	277,9
3352	325,3
3812	370,5
4762	462,6
5272	511,6
6002	582,4
7102	689,7
8302	805,7
9582	930,7
10902	1.057,6
11722	1.136,7
12832	1.246,9

NVA-CC CONDENSERLESS CHILLER

NVA-CC series non-condensing chiller units with plate evaporators are designed especially for small residential businesses in cold regions. These units with scroll compressors have a much smaller projection area compared to standard non-condensing products thanks to the plate heat exchanger. These are produced with the advantages of affordable price, minimal design, high efficiency and comfortable service. Due to its non-condensing structure, it can be used in indoor applications regardless of its capacity, thus preventing the use of unnecessary amounts of antifreeze.



NVA-CC	* kW
91	8,8
161	18,1
191	18,1
211	19,9
291	26,7
321	30,2
371	34,7
411	38,9
561	52,6
691	64,3
861	80,4
1111	104,4
1371	128,6
1722	160,8
2232	208,8
2742	257,2
3343	313,2
4113	385,8
4464	417,5
5166	482,3

CUA CONDENSING UNIT

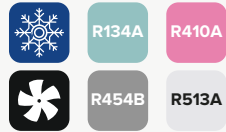
The CUA series condensing products used for the feeding of DX type air conditioning and fan-coil devices in HVAC processes are units without evaporators. High-quality microchannel condenser consists of the composition of fertile axial fans and the latest technology scroll compressors. These products with IP54 protection class are easily used in outdoor conditions. The CUA series condensing products produced as R410A gas charged in hospitals address the shopping centers from the hotels to a large market from the hotels to collective events.



CUA	* kW
111	10,7
191	19,3
221	21,5
241	23,8
331	31,8
371	36,0
431	41,4
481	46,4
641	62,6
791	76,5
991	95,8
1281	123,9
1571	152,5
1972	191,6
2552	247,8
3164	306,1

COR REMOTE CONDENSER

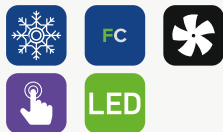
COR series products, which are complementary of the HEA-CC and RCA-CC products of the Condensive Chiller series, are remote type condensers. Microchannel condensers are combined with high-efficiency fans. According to the copper-aluminum alternatives with microchannel technology, less gas charge is made. In this way, both the release of the harmful gases that can be given to the environment is taken and the investment and service costs are drawn down.



COR	* kW
V1500	76,0
V1630	122,0
V1800	155,0
V2800	310,0
V3800	465,0
V4800	620,0
V5800	775,0
V6800	930,0
V7800	1.085,0
V8800	1.240,0
V9800	1.395,0
V10800	1.550,0
V11800	1.705,0

ER.FCV DRY COOLER

Free Coolers (Dry Coolers) are used to cool down the cycling fluid by the ambient air condition. High performance Free Coolers are manufactured with aluminium tubes and corrugated aluminum fins which improve heat transfer coefficient and they are available for vertical and horizontal airflow. Free Coolers has a suitable structure for parallel connection; thus the cooling plants could be comfortably increased by connecting capacity using with ER.FCV series Free Coolers



ER.FCV	* kW
155	147,4
300	294,8
450	442,2
590	589,6
740	737,0
885	884,4
1030	1.031,8
1180	1.179,2
1350	1.326,6
1480	1.474,0
1630	1.621,4
1770	1.768,8

PTS HYDRONIC UNIT

PTS series products developed by Eraco R&D unit and created from pump-tank configurations vary based on the flow, pressure and water volume values required by the users. It is produced in open or closed versions for tank type and in pressurized or non-pressurized versions for pump type.

EPTS	Tank (Lt)	Pump Power (kW)
EPTS 50	50	0,75
EPTS 60	60	0,75
EPTS 80	80	0,75
EPTS 100	100	0,75
EPTS 150	150	0,75-1,1
EPTS 200	200	0,75-1,1
EPTS 300	300	1,1-3,0
EPTS 500	500	1,1-3,0
EPTS 750	750	3,0-11,0
EPTS 850	850	3,0-11,0
EPTS 1000	1000	3,0-11,0
EPTS 1500	1500	3,0-22,0
EPTS 2000	2000	3,0-22,0
EPTS 2500	2500	3,0-22,0
EPTS 3000	3000	3,0-22,0

EPPTS	Tank (Lt)	Pump Power (kW)
EPPTS 100	100	1,1
EPPTS 150	150	1,1
EPPTS 200	200	1,1-5,5
EPPTS 300	300	1,1-7,5
EPPTS 500	500	1,1-15,0
EPPTS 750	750	7,5-37,0
EPPTS 850	850	7,5-37,0
EPPTS 1000	1000	7,5-45,0
EPPTS 1500	1500	7,5-45,0
EPPTS 2000	2000	7,5-45,0
EPPTS 2500	2500	7,5-45,0
EPPTS 3000	3000	7,5-45,0





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