

CARE FOR THE **ENVIRONMENT**

UNCOMPROMISING
PERFORMANCE

DISCOVER THE NEW LIQUID CHILLERS AND HEAT PUMPS WITH
LOW GWP REFRIGERANTS



SCROLL COMPRESSORS

**676
GWP**

**467
GWP**

**146
GWP**



ALTERNATIVE TO



GWP=1.924

A full range of Liquid Chillers,
Heat Pumps and Multifunctional Units
from 30 to 1.220 kW

A full range of dedicated
Heat Pumps for hot water
production up to 65°C
from 20 to 60 kW



SCREW AND TURBOCOR COMPRESSORS



SCREW AND TURBOCOR COMPRESSORS



ALTERNATIVE TO



GWP=1.300

A full range of Liquid Chillers,
Heat Pumps and Multifunctional Units
from 210 to 3.820 kW



A full range of Liquid Chillers
from 80 to 1.920 kW





GWP=676

FOR SCROLL COMPRESSORS

A FULL RANGE OF LIQUID CHILLERS, HEAT PUMPS AND MULTIFUNCTIONAL UNITS FROM 30 TO 1.220 KW.



-65% GWP



R410A



R452B

ENVIRONMENTALLY FRIENDLY

- ✓ **GWP = 676.** 65% LOWER IMPACT ON GLOBAL WARMING THAN R410A
- ✓ **ODP = 0.** NO IMPACT ON THE OZONE
- ✓ **CATEGORY: HFO/HFC BLEND**

SAFE AND HIGHLY PERFORMING

- ✓ **LOW FLAMMABLE AND NON TOXIC: A2L CLASS**
- ✓ **COOLING CAPACITY -2% THAN R410A**
- ✓ **EFFICIENCY (EER) +1% THAN R410A**

WIDE APPLICATION

- ✓ **LIQUID CHILLERS**
- ✓ **HEAT PUMPS**
- ✓ **MULTIFUNCTIONAL UNITS**
- ✓ **ALSO WITH FREE-COOLING TECHNOLOGY**



GWP100AR5 = Global Warming Potential
ODP = Ozone Depletion Potential

RANGES

AIRCOOLED LIQUID CHILLERS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/IG/A 101÷151	INVERTER SCROLL MICROCHANNEL *	26-42	29-48	A ⁺ A ⁺      
CHA/IG/A 172-P÷574-P	INVERTER SCROLL MICROCHANNEL *	50-179	54-193	A ⁺ A ⁺    
CHA/G/AF 182-P÷604-P	AQUALOGIK *	50-178	54-194	A ⁺ A ⁺   
CHA/G/A/WP 182-P÷604-P	AQUALOGIK *	47-157	54-192	A ⁺   
CHA/G 182-P÷604-P	AQUALOGIK *	46-174	53-182	  
CHA/G/FC 182-P÷604-P	FREE COOLING 	51-170	---	  
CHA/G 182÷604	AQUALOGIK *	48-175	54-183	  
CRA/IG/A 101÷151	INVERTER SCROLL EC INVERTER PLUG FANS 	30-41	34-47	A ⁺ A ⁺     
CHA/IG/A 674-P÷2356-P	INVERTER SCROLL MICROCHANNEL *	196-668	212-724	A ⁺ A ⁺    
CHA/G/AF 726-P÷24012-P		192-675	209-735	A ⁺ A ⁺  
CHA/G/A/WP 726-P÷24012-P		189-654	221-743	A ⁺  
CHA/G 726-P÷36012-P		194-1025	222-1180	 
CHA/G/FC 726-P÷36012-P	FREE COOLING 	203-1074	---	  
CHA/G 726÷36012		195-1035	223-1192	 

WATERCOOLED LIQUID CHILLERS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CWW/G 182-P÷604-P		54-190	71-231	 
CWW/G 182÷604		56-191	73-232	 
CWW/G 726-P÷36012-P		218-1211	283-1493	 
CWW/G 726÷36012		219-1223	284-1507	 

MULTIFUNCTIONAL UNITS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/G/EP 182-P÷602-P		48-166	51-181	   
CHA/G/EP 604-P÷2004-P		165-500	177-579	   

* Option

LEGENDA

COMPRESSOR	EXCHANGER	SOLUTION	
 Inverter Scroll	 Plate	 Free-Cooling	 Hybrid system management
 Scroll	 Shell and Tube	 Domestic Hot Water	 A CLASS Cooling
	 Microchannel	 AquaLogik	 A CLASS Heating
			 4-Pipe system



R454B GWP=467

FOR SCROLL COMPRESSORS

A FULL RANGE OF LIQUID CHILLERS, HEAT PUMPS AND MULTIFUNCTIONAL UNITS FROM 30 TO 1.220 KW.

-31% GWP



R452B



R454B



ENVIRONMENTALLY FRIENDLY

- ✓ GWP = 467. 31% LOWER IMPACT ON GLOBAL WARMING THAN R452B
- ✓ ODP = 0. NO IMPACT ON THE OZONE
- ✓ CATEGORY: HFO/HFC BLEND

SAFE AND HIGHLY PERFORMING

- ✓ LOW FLAMMABLE AND NON TOXIC: A2L CLASS
- ✓ COOLING CAPACITY -2% THAN R452B
- ✓ EFFICIENCY (EER) -1% THAN R452B

WIDE APPLICATION

- ✓ LIQUID CHILLERS
- ✓ HEAT PUMPS
- ✓ MULTIFUNCTIONAL UNITS
- ✓ ALSO WITH FREE-COOLING TECHNOLOGY



RANGES

AIRCOOLED LIQUID CHILLERS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/IL/A 101÷151	INVERTER SCROLL MICROCHANNEL *	29-41	33-46	A ⁺ A ⁺
CHA/IL/A 172-P÷574-P	INVERTER SCROLL MICROCHANNEL *	50-179	54-193	A ⁺ A ⁺
CHA/L/AF 182-P÷604-P	AQUALOGIK *	50-178	54-194	A ⁺ A ⁺
CHA/L/AWP 182-P÷604-P	AQUALOGIK *	47-157	54-192	A ⁺
CHA/L 182-P÷604-P	AQUALOGIK *	46-174	53-182	
CHA/L/FC 182-P÷604-P	FREE COOLING	51-170	---	
CHA/L 182÷604	AQUALOGIK *	48-175	54-183	
CRA/IL/A 101÷131	INVERTER SCROLL EC INVERTER PLUG FANS	26-36	29-40	A ⁺ A ⁺
CHA/IL/A 674-P÷2356-P	INVERTER SCROLL MICROCHANNEL *	196-668	212-724	A ⁺ A ⁺
CHA/L/AF 726-P÷24012-P		192-675	209-735	A ⁺ A ⁺
CHA/L/AWP 726-P÷24012-P		189-654	221-743	A ⁺
CHA/L 726-P÷36012-P		194-1025	222-1180	
CHA/L/FC 726-P÷36012-P	FREE COOLING	203-1074	---	
CHA/L 726÷36012		195-1035	223-1192	

WATERCOOLED LIQUID CHILLERS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CWW/L 182-P÷604-P		54-190	71-231	
CWW/L 182÷604		56-191	73-232	
CWW/L 726-P÷36012-P		218-1211	283-1493	
CWW/L 726÷36012		219-1223	284-1507	

MULTIFUNCTIONAL UNITS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/L/EP 182-P÷602-P		47-161	50-177	
CHA/L/EP 604-P÷2004-P		160-487	173-564	

* Option

LEGENDA

COMPRESSOR	EXCHANGER	SOLUTION	
Inverter Scroll	Plate	Free-Cooling	Hybrid system management
Scroll	Shell and Tube	Domestic Hot Water	A CLASS Cooling
	Microchannel	AquaLogik	A CLASS Heating
			4-Pipe system



GWP=146

FOR SCROLL COMPRESSORS

A FULL RANGE OF DEDICATED HEAT PUMPS
FOR HOT WATER PRODUCTION UP TO 65°C
FROM 20 TO 60 KW.



-92% GWP



**1924
GWP**

R410A



**146
GWP**

R454C



ENVIRONMENTALLY FRIENDLY

- ✓ **GWP = 146.** 92% LOWER IMPACT ON GLOBAL WARMING THAN R410A
- ✓ **ODP = 0.** NO IMPACT ON THE OZONE
- ✓ **CATEGORY:** HFO/HFC BLEND

SAFE AND HIGHLY PERFORMING

- ✓ **LOW FLAMMABLE AND NON TOXIC: A2L CLASS**
- ✓ **WIDE OPERATING RANGE**
- ✓ **EXCELLENT PERFORMANCE**

WIDE APPLICATION

- ✓ **REVERSIBLE HEAT PUMPS**

GWP_{100AR5} = Global Warming Potential

ODP = Ozone Depletion Potential

RANGES

AIR COOLED DEDICATED HEAT PUMPS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/F/ML/WP 52÷92		17-25	20-29	    
CHA/F/ML/WP 102-P÷204-P		30-58	34-67	    

LEGENDA

COMPRESSOR	EXCHANGER	SOLUTION
 Scroll	 Plate	 Domestic Hot Water
		 Hybrid system management
		 A CLASS Heating



GWP=573

FOR SCREW AND TURBOCOR COMPRESSORS

A FULL RANGE OF LIQUID CHILLERS, HEAT PUMPS, AND MULTIFUNCTIONAL UNITS FROM 210 TO 3.820 KW.



-56% GWP



R134a



R513A

ENVIRONMENTALLY FRIENDLY

- ✓ **GWP = 573.** 56% LOWER IMPACT ON GLOBAL WARMING THAN R134a
- ✓ **ODP = 0.** NO IMPACT ON THE OZONE
- ✓ **CATEGORY: HFO/HFC BLEND**

SAFE AND HIGHLY PERFORMING

- ✓ **NON FLAMMABLE AND NON TOXIC: A1 CLASS**
- ✓ **COOLING CAPACITY -2% THAN R134a**
- ✓ **EFFICIENCY (EER) -1% THAN R134a**

WIDE APPLICATION

- ✓ **LIQUID CHILLERS**
- ✓ **HEAT PUMPS**
- ✓ **MULTIFUNCTIONAL UNITS**
- ✓ **EXCELLENT FOR INDUSTRIAL PROCESS APPLICATIONS WITH LOW WATER TEMPERATURE**
- ✓ **ALSO WITH FREE-COOLING TECHNOLOGY**

GWP100AR5 = Global Warming Potential
ODP = Ozone Depletion Potential

RANGES

AIRCOOLED LIQUID CHILLERS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/J/A 1302÷6002	INVERTER SCREW  * MICROCHANNEL  *	257-1533	266-1533	    
CHA/J 1202-B÷6802-B	INVERTER SCREW  *	216-1561	220-1406	  
CHA/J/FC 1202-B÷6002-B	INVERTER SCREW  * FREE COOLING 	212-1247	---	   
CHA/TTJ 1301-1÷5004-2	MICROCHANNEL  *	242-1423	---	   
CHA/TTJ/FC 1301-1÷5004-2	FREE COOLING 	240-1411	---	  

WATERCOOLED LIQUID CHILLERS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CWW/J/A 1302÷4802	INVERTER SCREW  *	274-1260	---	   
CWW/J/A 1002-T÷7202-T	INVERTER SCREW  *	250-2122	---	   
CWW/J 1302-B÷9002-B		261-2310	---	 
MEA/J 1302-B÷9002-B		230-2020	---	 
CWW/TTJ 1601-1÷14406-1		312-3824	---	  
CWW/TTJ/DR 1601-1÷6204-1		291-1548	---	  

MULTIFUNCTIONAL UNITS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/J/EP 1352÷4402	INVERTER SCREW 	272-1108	277-1130	    

* Option

LEGENDA

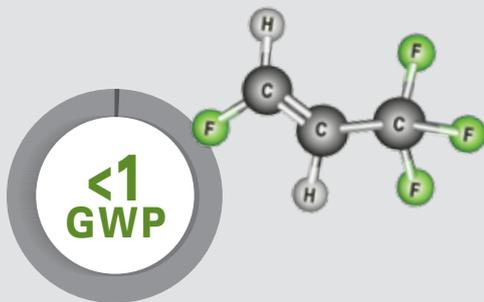
COMPRESSOR	EXCHANGER	SOLUTION
 Inverter Screw	 Shell and Tube	 Free-Cooling
 Screw	 Flooded Shell and Tube	 Domestic Hot Water
 Turbocor	 Microchannel	 A CLASS Cooling
		 A CLASS Heating
		 4-Pipe system



GWP <1

FOR SCREW AND TURBOCOR COMPRESSORS

A FULL RANGE
OF LIQUID CHILLERS
FROM 80 TO 1.920 KW.



R1234ze



ENVIRONMENTALLY FRIENDLY

- ✓ **GWP <1.** NO IMPACT ON GLOBAL WARMING. THE BEST IN THE MARKET
- ✓ **ODP = 0.** NO IMPACT ON THE OZONE
- ✓ **CATEGORY: HFO**

SAFE AND HIGHLY PERFORMING

- ✓ **LOW FLAMMABLE AND NON TOXIC: A2L CLASS**
- ✓ **COOLING CAPACITY -18% THAN R513A**
- ✓ **EFFICIENCY (EER) +3% THAN R513A**
- ✓ **WIDE OPERATING RANGE, EXCELLENT PERFORMANCE AT HIGH AMBIENT TEMPERATURES**

WIDE APPLICATION

- ✓ **LIQUID CHILLERS**
- ✓ **ALSO WITH FREE-COOLING TECHNOLOGY**

RANGES

AIRCOOLED LIQUID CHILLERS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/H/A 351-P÷1221-P	INVERTER SCREW  * MICROCHANNEL  *	79-208	---	A    
CHA/H/FC 351-P÷901-P	INVERTER SCREW  * FREE COOLING 	78-164	---	   FC
CHA/H/A 351÷1221	INVERTER SCREW  * MICROCHANNEL  *	79-211	---	A    
CHA/H/A 1002÷6002	INVERTER SCREW  * MICROCHANNEL  *	197-1353	---	A    
CHA/H/FC 1002÷4802	INVERTER SCREW  * FREE COOLING 	232-1144	---	   FC
CHA/TTH 1301-1÷4904-2	MICROCHANNEL  *	262-1340	---	A   
CHA/TTH/FC 1301-1÷4904-2	FREE COOLING 	279-1386	---	  FC

WATERCOOLED LIQUID CHILLERS

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CWW/H/A 351-P÷901-P	INVERTER SCREW  *	86-189	---	A   
CWW/H/A 1002÷6002	INVERTER SCREW  *	234-1650	---	A   
CWW/TTH 1701-1÷6606-1		321-1922	---	A  
CWW/TTH/DR 1701-1÷6606-1		301-1802	---	A  

* Option

LEGENDA

COMPRESSOR

 Inverter Screw

 Screw

 Turbocon

EXCHANGER

 Plate

 Shell and Tube

 Flooded Shell and Tube

SOLUTION

 Microchannel

FC Free-Cooling

A A CLASS Cooling

REFERENCES

MEDIAPRO TV STUDIOS BARCELONA, SPAIN - COMFORT



MEDIAPRO, part of *Imagina Media Audiovisual*, is one of the major audiovisual groups worldwide, with operations in 36 countries. MEDIAPRO produces TV contents on different categories and is mainly focused on international sport events. In Spain, it provides TV contents for all national TV channels (TVE, Antena3, laSexta, Telecinco, Cuatro), local and digital channels or paytvs. The air conditioning system of Barcelona headquarters works with three aircooled liquid Chillers of a total cooling capacity of 820 kW. Being close to the seaside, the condensing coils have been protected by natural corrosion by a pre-painting treatment. The three units feature multi-Scroll compressors on double cooling circuit, plate heat exchanger and operate with the innovative low-GWP refrigerant R452B.



THE UNIT: 3 MultiPower **Aircooled liquid Chillers**
Total cooling capacity: 820 kW

MORE HOLSTEIN COW BREEDING FARM BÉTERA, SPAIN - FOOD PROCESS COOLING



MORE HOLSTEIN is a wide family-owned cow breeding farm with more than 3.000 dairy cattle. The farm is located in Bétera, a rural area in Valencia region. The quick fresh milk cooling and its storage are ensured by 3 liquid Chillers of 400 kW each for outdoor installation. The A class energy efficiency units provide constant production of low temperature chilled water thanks to their 10 Scroll compressors each on double cooling circuit and operate with the innovative low-GWP refrigerant R452B.



THE UNIT: 3 MultiPower **Aircooled liquid Chillers**
Total cooling capacity: 1.200 kW

SOMMARIVA PALAZZO ROSSO WINERY SANTA MARIA DI FELETTA, ITALY - FOOD PROCESS COOLING



SOMMARIVA PALAZZO ROSSO is an historical winery located on *Conegliano Valdobbiadene Prosecco DOCG* hills. The Sommariva family has run the Company for generations joining tradition and modern technology to offer to the market different types of high quality Prosecco wine. The 300 kW aircooled liquid Chiller for outdoor installation serves the process of wine making, producing a constant flow of low temperature chilled water. The Chiller is equipped with dedicated features specifically developed for the wine business, such as low water temperature operation and double set-point. The Chiller features 8 Scroll compressors on double cooling circuit and operates with the innovative low-GWP refrigerant R452B.



THE UNIT: 1 MultiPower **Aircooled liquid Chiller**
Cooling capacity: 300 kW

DE PASSIE SCHOOL UTRECHT, NETHERLANDS - COMFORT



DE PASSIE is a high school located in Utrecht. The school is attended by 2200 students on a wide building including classrooms, library, auditoriums and gyms, and it is currently subjected to an important rehabilitation and extension project. The aircooled reversible hydronic Heat Pumps for outdoor installation with the innovative low-GWP refrigerant R452B provide comfort to the building, with air conditioning during summertime and ambient heating during wintertime. Units feature 6 Scroll compressors each on double cooling circuit.



THE UNITS: 2 MultiPower **Aircooled Reversible Heat Pumps**
Total cooling capacity: 420 kW

CORNÈR BANCA SA

CHIASSO, SWITZERLAND - COMFORT



CORNÈR is a private and independent Swiss banking group. The Cornèr Group offers a comprehensive range of services and products capable of meeting private, corporate and institutional customers' requests. The Group performs its business with Cornèr Banca SA - providing universal banking services as well as its Cornèrcard brand for issuing payment cards and online trading platform Cornèrtrader - jointly with its affiliates, for a thorough array of international financial services. The summer air conditioning system of the Chiasso branch operates by means of an air-cooled, high-efficiency Liquid Chiller for outdoor installation. The refrigerant unit is equipped with 4 Scroll compressors on two refrigerant circuits, to ensure reliability and high efficiency even at partial loads, and uses the innovative low GWP refrigerant R454B.

THE UNIT: 1 AquaPlus **Aircooled liquid Chiller**
Cooling capacity: 183 kW



FERRETTI GROUP

LA SPEZIA, ITALY - COMFORT



The **FERRETTI GROUP** is a world leader in the design, construction and sale of luxury yachts and pleasure vessels. The Group includes prestigious and exclusive brands such as Ferretti Yachts, Riva, Pershing, Itama, CRN, Custom Line and Wally. The Ferretti Group leverages advanced manufacturing centres throughout Italy, combining efficient industrial production with unparalleled quality in details, guaranteed by the excellence of Made-in-Italy craftsmanship. The air-cooled Reversible heat pump, combined with 4 AHUs, serves the office building for cooling and heating the rooms. Given the vicinity to the sea, the condensing coils are pre-painted to protect them from corrosion. Equipped with 6 Scroll compressors on a double refrigerant circuit and a plate exchanger, the unit works with innovative, low GWP refrigerant R454B.

THE UNIT: 1 MultiPower **Aircooled Reversible Heat Pump**
Cooling capacity: 272 kW



BUSCH COMPOSITES

PORRENTUUY, SWITZERLAND - INDUSTRIAL PROCESS COOLING



COMPOSITES BUSCH is part of the Busch group of companies, a world leader in the production of vacuum pumps and systems for the industry. Founded in 1988, Composites Busch is based in Porrentruy, Switzerland, where it employs over 70 engineers, technicians and other skilled specialists to create customised, high-performance composite materials as well as components and finished products, for a variety of industrial sectors. Key areas of focus are composite solutions for medical technology and devices, mechanical industry, luxury and lifestyle, transport and aerospace as well as 3D additive manufacturing. The installed unit is an air-cooled Liquid Chiller for the continuous production of chilled water to cool the Plant's industrial processes. Equipped with 4 Scroll compressors on a double refrigerant circuit and a plate exchanger, the unit works with the innovative, low GWP R454B refrigerant.

THE UNIT: 1 AquaPlus **Aircooled liquid Chiller**
Cooling capacity: 178 kW



POLICLINICO GEMELLI

ROMA, ITALY - COMFORT



The **FONDAZIONE POLICLINICO UNIVERSITARIO AGOSTINO GEMELLI IRCCS** - Università Cattolica del Sacro Cuore is a Rome-based university hospital designed by Giuseppe Cigni and Gaetano Minnucci, home to the Medicine and Surgery School of Università Cattolica del Sacro Cuore. Linked to the aforementioned school, it takes its name from psychologist Agostino Gemelli, a Franciscan monk who founded the Università Cattolica in 1921. With its 1558 hospital beds, the institution is the biggest hospital in Italy and one of the largest private hospitals in Europe. The three units installed are air-cooled Liquid chillers controlled by the air conditioning system of one of the buildings. Equipped with 4 Scroll compressors on a double refrigerant circuit and a plate exchanger, each unit works with innovative, low GWP refrigerant R454B.

THE UNITS: 3 AquaPlus **Aircooled liquid Chillers**
Total cooling capacity: 534 kW



CORBION BIOCHEMICAL GORINCHEM, NETHERLANDS - INDUSTRIAL PROCESS COOLING



CORBION is one of the main biochemical companies worldwide, leader in biobased food ingredients and biochemical businesses.

The liquid Chiller is installed at Gorinchem plant, in the south-east of Netherlands. The unit, a watercooled liquid Chiller installed inside a technical room, is used for chilled water constant production for industrial process cooling. It features two Screw compressors on double cooling circuit and shell and tube exchangers and it operates with the innovative low-GWP refrigerant R513A.



THE UNIT: 1 MaxiPower **Watercooled liquid Chiller**
Cooling capacity: 300 kW

CHEMOURS CHEMICAL DORDRECHT, NETHERLANDS - INDUSTRIAL PROCESS COOLING



The multinational **CHEMOURS** chemical, with its headquarter in Wilmington in the USA, came into existence upon the demerger of DuPont and it is a world leader in titanium technologies, refrigerants, fluoropolymers and chemical compounds. The liquid Chiller is installed at Dordrecht plant, where the production of fluoropolymers as Teflon™ and Viton™ take place.

The unit, a watercooled liquid Chiller for indoor installation in super silenced version, is used for chilled water constant production for industrial process cooling. It features two Screw compressors on double cooling circuit and shell and tube exchangers and it operates with the innovative low-GWP refrigerant R513A.



THE UNIT: 1 MaxiPower **Watercooled liquid Chiller**
Cooling capacity: 500 kW

MAIN-KINZIG-KLINIKEN CLINIC GELNHAUSEN, GERMANY - COMFORT



The Private Hospital and Academic Teaching Hospital **MAIN-KINZIG-KLINIKEN** is located in Gelnhausen, city in the middle of Germany.

The building is currently subject to huge renovation and extension works involving both external part and wards. The new air conditioning system works with a watercooled liquid Chiller installed on a technical room with cooling capacity of 600 kW. The unit features two Screw stepless compressors on double cooling circuit and shell and tube exchangers; it operates with the innovative low-GWP refrigerant R513A. Due to the application in hospital, to ensure the maximum silence the compressors compartment is closed in a fully insulated compartment (super silent version).



THE UNIT: 1 MaxiPower **Watercooled liquid Chiller**
Cooling capacity: 600 kW

VOESTALPINE AUTOMOTIVE COMPONENTS SCHMÖLLN, GERMANY - INDUSTRIAL PROCESS COOLING



VOESTALPINE – *Automotive Components, Metal Forming Division* – is a multinational Company producing structural components made of steel and other metals for the major worldwide automotive brands.

In the German plant located in Schmölln, manufacturing is focused on cold stamping and hot forming of complex components in steel, aluminum and stainless steel.

The aircooled liquid Chiller is used for all-year-round constant production of chilled water for industrial process cooling. The Free-Cooling technology allows to get an important energy saving on operation during cold season. The unit operates with the innovative low-GWP refrigerant R513A.



THE UNIT: 1 MaxiPower **Free-Cooling Aircooled liquid Chiller**
Cooling capacity: 410 kW

ALSİK HOTEL AND SPA SØNDERBORG, DENMARK - COMFORT

The newly built **ALSİK** hotel, designed and shaped by Denmark's renowned Henning Larsen Architects, is located in the city of Sønderborg, in the south of Denmark. The hotel, opened in spring 2019, offers a wide spa and numerous meeting room, as well as a viewing platform in the 70-metre high hotel glass tower.

The air conditioning system works with a watercooled liquid Chiller for Dry-Cooler operation. This high energy efficient unit features 3 Turbocor magnetic-levitation oil-free compressors and it is specifically designed to operate with the newest ecological refrigerant HFO-R1234ze.

THE UNIT: 1 Turboline **Watercooled Liquid Chiller**
Cooling capacity: 900 kW



BRYN EIENDOM - ØSTENSJØVEIEN 34 BUSINESS CENTRE OSLO, NORWAY - COMFORT

BRYN EIENDOM is one of the largest business centres in Oslo. It includes many buildings hosting offices of main local and multinational companies, as well as leisure services, canteens and gyms. The watercooled liquid Chiller for Dry-Cooler operation, installed inside a technical room, provides comfort to the building, with air conditioning during summertime. It features 4 Turbocor magnetic-levitation oil-free compressors and it is specifically designed to operate with the newest ecological refrigerant HFO-R1234ze.

THE UNIT: 1 Turboline **Watercooled Liquid Chiller**
Cooling capacity: 1.200 kW



TÄBY CENTRUM SHOPPING MALL TÄBY, SWEDEN - COMFORT

TÄBY CENTRUM shopping mall, located in the city of Täby, is a three-floor building with several shops and a large bright garden in the middle. The centre was built in 1968 and subjected to renovation phase in 2014-2017, with a huge project focused on minimising the environmental impact of the building (measured with TEWI parameter: Total Equivalent Warming Impact). At first stage 2 watercooled liquid Chillers have been delivered, followed by other 2 units at second working stage. All units feature Turbocor magnetic-levitation oil-free compressors and they operate with the newest ecological refrigerant HFO-R1234ze.

THE UNITS: 4 Turboline **Watercooled liquid Chillers**
Total cooling capacity: 4.200 kW



ING BANK - NEW HEADQUARTERS AMSTERDAM, NETHERLANDS - DATA CENTRE COOLING

ING (Internationale Nederlanden Groep) is a Dutch multinational banking and financial services corporation based in Amsterdam. At the end of 2019 ING Groep N.V. will open a new headquarter in Amsterdamzuidoost: a five-floor glass building, placed in the middle of a wide green area. The building will be BREEAM certified for the highest level sustainability rating for office buildings. The aircooled liquid Chiller serves the data centres. The Unit features one Screw compressor and a shell and tube evaporator and it is specifically designed to operate with the newest ecological refrigerant HFO-R1234ze.

THE UNIT: 1 MaxiPower **Aircooled liquid Chiller**
Cooling capacity: 115 kW









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