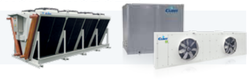
ENERGY POWER. The air cooled multifunctional units of EnergyPower line are able to provide cooling, heating and domestic hot water at the same time and with the same unit. Those multifunctional units, with capacity up to 1130 kW, are dedicated to 4-Pipe systems and are ideal for buildings with simultaneous need of ambient heating, cooling and domestic hot water, such as hotels and multifunctional buildings. The range includes models with both Scroll or Inverter Screw compressors. Units are available with **R410A**, **R452B**, **R454B**, **R134a** and **R513A** refrigerants.

MAXI POWER. The MaxiPower air cooled, water cooled and condenserless liquid Chillers and Heat Pumps with Screw compressors cover capacities up to 2350 kW. Dedicated models feature Inverter technology on compressors, pumps and fans for an higher efficiency even at part load. The range is available in different variants and with different energy efficiency levels. The MaxiPower range includes models with **HFO-R1234ze** refrigerant (GWP<1) and models with **R134a** and **R513A** refrigerants.

TURBOLINE. The TurboLine range, equipped with Turbocor Magnetic Levitation compressors, reaches an extremely high efficiency with the highest EER and SEER / SEPR in the market and a low starting current, in addition to maximum reliability and an extra silent operation. The range includes air cooled and water cooled models with a wide capacity range up to 3900 kW. The Turboline range includes models with **HFO-R1234ze** refrigerant (GWP<1) and models with **R134a** and **R513A** refrigerants.

REMOTE CONDENSERS AND HYDRONIC MODULES

The chiller ranges completed by a whole range of Remote Condensers, with EC Inverter fans and different sound levels, and Remote Hydronic Modules up to 2500 litres.



PACKAGED ROOF TOP UNITS

AIR X. The Packaged Roof Top units of AirX series are characterised by single or double panelling, EC Inverter Plug-Fans and Scroll Inverter compressors. The units are available in different configurations with the addition of a Mixing Box and can be supplied with a Wheel Heat Recovery section. Units are available with **R410A** refrigerant.

AIR PLUS. The Packaged Roof Top units of AirPlus series feature single skin, EC Inverter Plug-Fans and Scroll compressors. The units are available in different configurations with the addition of Mixing Box, Free-Cooling section and Thermodynamic Coil-Boost Heat Recovery. Units are available with **R410A** refrigerant.

AIR MAXI. The Packaged Roof Top units of AirMaxi series feature double skin and EC Inverter Plug-Fans, also with Inverter Scroll compressors. The units are available in different configurations with the addition of a Mixing Box, a Free-Cooling section and a Cross-Flow, Wheel or Thermodynamic Coil-Boost Heat Recovery. Units are available with **R410A** refrigerant.

CONDENSING UNITS

A comprehensive range of Condensing units from 9 to 190 kW with different technical solutions and noise levels is available to complete the CLINT product range. Units are available for **R410A** refrigerant.

FAN COIL UNITS

FAN COIL UNITS WITH CABINET AND FOR BUILT-IN INSTALLATION. Fan Coil units for floor, ceiling or built-in installation, with several air flow configurations and capacity up to 7,3 kW, available both with 3-Speed or EC Inverter fans. Also available is a line of fan coil units with cabinet and built-in models with a depth of 130 mm and EC Inverter tangential fans from 1.1 to 4.1 kW.

WALL MOUNTED, WATER CASSETTE AND DUCTABLE FAN COIL UNITS. Wall Mounted units up to 5,4 kW, Water Cassette up to 11 kW and Ductable Fan Coil units up to 43 kW, available with 3-Speed or EC Inverter fans.

VISIT www.clint.it

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G.I. INDUSTRIAL HOLDING

PRODUCT OVERVIEW

EUROVENT CERTIFIED PERFORMANCE

G.I. INDUSTRIAL HOLDING S.p.A. participates in the ECC programme for LCP-HP, FCU and AHU. Check on-going validity of certificate: www.eurovent-certification.com

CLINT
CLIMATIZZAZIONE INTEGRATA

PRODUCT RANGE

CLINT product ranges are compliant to ErP European Regulations.

- **ErP 2018 SCOP.** The EU Regulation n. 813/2013 fixing precise efficiency standards for heat pump units.
- **ErP 2021 SEER.** A wide of units for comfort cooling application reaches the seasonal energy efficiency standards required from 2021 (EU Regulation n°2016/2281).
- **ErP 2021 SEPR.** A wide of units for process cooling application reaches the seasonal energy efficiency standards required from 2021 (EU Regulation n°2016/2281).

ErP SCOP · ErP SEPR · ErP SEER

LIQUID CHILLERS AND HEAT PUMPS

COMPACT LINE. The CompactLine liquid Chillers and Heat Pumps range is the ideal solution for residential or small commercial areas. Compactness and low energy consumption are the key benefits of this range, available with Inverter Scroll compressor and with **R452B** and **R454B** refrigerants.

THERMICA. The air-to-water Heat Pumps of Thermica range are dedicated to room heating and domestic hot water production, supplying **high water temperature** (up to 65°C) and being able to work down to -20°C outside air. Being reversible, they are also able to supply chilled water for air conditioning during the summer period. The whole range has high efficiency both at full load and partial loads and the units, from 20 to 182 kW, work with **R454C** refrigerant with low GWP, less than 150, enabling them to respect future requirements of the European Community.

BOOSTER. The water-to-water Heat Pumps of Booster range are the best solution for systems where **very high temperature** (up to 80°C) hot water production is required for domestic use, room heating or industrial processes. The wide operating range makes these units perfectly integrable in any system solution, including 4-pipe systems for air conditioning and industrial heat recovery. Units are available with **R134a** and **R513A** refrigerants.

ECO V-THERM. The new range of air-to-water Heat Pumps in **R290**, with heating capacities from 48 to 166 kW, is an environmentally friendly and efficient solution for room air conditioning and domestic hot water production; the units can produce water at **high temperature** (up to 70°C) and can operate down to -20°C outside air temperature. The refrigerant R290 (Propane) has a GWP = 3 and meets the future requirements of the European Community for reduced environmental impact. The Heat Pumps are available in basic or high-efficiency version, ensuring high performance both at full and part load and very low noise levels.

AQUA PLUS. The AquaPlus air cooled, water cooled and condenserless liquid Chillers and Heat Pumps range is dedicated to small and medium areas in commercial or industrial buildings, up to 180 kW. Compactness and easy installation are the key benefits of this range. AquaPlus range is available in several levels of energy efficiency, featuring Inverter technology on Scroll compressors and, as option, on fans and circulation pumps. Dedicated Heat Pumps for hot water production at **medium temperature** (up to 55°C) are also available. Units are available with **R410A**, **R452B** and **R454B** refrigerants.

POWER V-TECH. The new range offers a series of air-to-water liquid Chillers available in high and very high efficiency versions with Scroll compressors, up to three per circuit, ensuring optimal load management and high reliability. The range is available with **HFO-R1234ze** refrigerant, which significantly reduces environmental impact due to its low global warming potential (GWP<1). In addition, the POWER V-TECH range features V-shaped condensing modules with Microchannel coils (optional with copper/aluminium). With a capacity ranging from 200 to 600 kW, it is an ideal solution for applications requiring high energy efficiency and reliable performance, making it an excellent choice in terms of quality and sustainability.

MULTI POWER. The MultiPower range of liquid Chillers and Heat Pumps is based on multi-Scroll technology, for high partial load efficiency as the load is divided between the different compressors, up to 12 on a double refrigerant circuit, according to the required cooling capacity. The MultiPower range is available in different energy efficiency levels also with Inverter technology and includes a line of dedicated Heat Pumps for hot water production at **medium temperature** (up to 55°C). The family includes both air cooled and water cooled models with a capacity range up to 1220 kW. Units are available with **R410A**, **R452B** and **R454B** refrigerants.

1. 1. AIR COOLED LIQUID CHILLERS AND HEAT PUMPS FOR RESIDENTIAL & LIGHT COMMERCIAL APPLICATION

1.1 Liquid Chillers and Heat Pumps with Scroll Inverter compressor and plate heat exchanger

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CHA/IG/A 51÷81	INVERTER SCROLL	9,7-18	12-20	

Thermica

1.2 Dedicated Heat Pumps for high temperature (up to 65°C) hot water production with Scroll compressors and plate heat exchanger

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CHA/F/ML/WP 52÷92		17-24	19-27	

2. AIR COOLED LIQUID CHILLERS AND HEAT PUMPS FOR COMMERCIAL & INDUSTRIAL APPLICATION

AQUA PLUS

2.1 Liquid Chillers and Heat Pumps with Scroll compressors and plate or shell and tube exchanger

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CHA/IK/A 91÷151	INVERTER SCROLL	26-42	29-48	
CHA/IK/A 172-P÷574-P	INVERTER SCROLL MICROCHANNEL *	50-179	54-193	
CHA/K/AF 182-P÷604-P		51-183	55-198	
CHA/K 182-P÷604-P		48-178	54-187	
CHA/K/FC 182-P÷604-P	FREE COOLING	53-174	---	
CHA/K 182÷604		49-179	56-188	
CRA/IK/A 51÷131	INVERTER SCROLL EC INVERTER PLUG FANS	12-36	14-40	

* Opzionale

AQUA PLUS

2.2 Dedicated Heat Pumps for medium temperature (up to 55°C) hot water production with Scroll compressors and plate heat exchanger

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CHA/K/A/WP 182-P÷604-P		48-163	56-197	

Thermica

2.3 Dedicated Heat Pumps for high temperature (up to 65°C) hot water production with Scroll compressors and plate exchanger

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
NEW CHA/F/ML/WP 102-P÷504-P		30-157	32-182	

VECO V-THERM

2.4 Dedicated Heat Pumps for high temperature (up to 70°C) hot water production with Scroll compressors and plate exchanger

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
NEW CHV/P/WP 152-P÷504-P		40-130	48-164	
NEW CHV/P/HE/WP 152-P÷504-P		41-133	52-166	

POWER V-TECH

2.5 Liquid Chillers with Scroll compressors and plate exchanger

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
NEW CHV/H/HE/MC 804-P÷2406-P	MICROCHANNEL	213-600	---	
NEW CHV/H/XE/MC 804-P÷2406-P	MICROCHANNEL	223-618	---	

multi power

2.6 Multi-Scroll liquid Chillers and Heat Pumps with plate or shell and tube exchanger

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CHA/IK/A 674-P÷2356-P	INVERTER SCROLL MICROCHANNEL *	196-668	212-724	
CHA/K/AF 726-P÷24012-P		197-692	214-754	
CHA/K 726-P÷36012-P		199-1051	228-1210	
CHA/K/FC 726-P÷36012-P	FREE COOLING	208-1102	---	
CHA/K 726÷36012		200-1062	229-1222	

* Option

multi power

2.7 Dedicated Heat Pumps for medium temperature (up to 55°C) hot water production with multi-Scroll compressors and plate heat exchanger

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CHA/K/A/WP 726-P÷24012-P		195-671	227-762	

ENERGY POWER

2.8 Multifunctional 4-Pipe units with Scroll or Screw compressors and plate or shell and tube exchangers

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CHA/K/EP 182-P÷602-P		49-168	52-184	
CHA/K/EP 604-P÷2004-P		167-507	180-587	
CHA/Y/EP 1352÷4402	INVERTER SCREW	278-1133	283-1156	

MAXI POWER

2.9 Liquid Chillers and Heat Pumps with Screw compressors and plate or shell and tube exchanger

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CHA/H/A 351-P÷1221-P	INVERTER SCREW MICROCHANNEL *	79-208	---	
CHA/H/FC 351-P÷901-P	INVERTER SCREW FREE COOLING	82-170	---	
CHA/H/A 351÷1221	INVERTER SCREW MICROCHANNEL *	79-211	---	
CHA/H/A 1002÷6002	INVERTER SCREW MICROCHANNEL *	197-1353	---	
CHA/H/FC 1002÷4802	INVERTER SCREW FREE COOLING	232-1144	---	
CHA/Y/A 1302÷6002	INVERTER SCREW MICROCHANNEL *	263-1533	272-1176	
CHA/Y/FC 1202-B÷6002-B	INVERTER SCREW FREE COOLING	217-1460	---	

* Option

TURBOLINE

2.10 Liquid Chillers with Turbocor compressors and flooded shell and tube exchanger

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CHA/TTH 1301-1÷4904-2	MICROCHANNEL *	262-1340	---	
CHA/TTH/FC 1301-1÷4904-2	FREE COOLING	279-1386	---	
CHA/TTY 1301-1÷5004-2	MICROCHANNEL *	248-1456	---	
CHA/TTY/FC 1301-1÷5004-2	FREE COOLING	246-1443	---	

* Option

LEGENDA

COMPRESSOR	FAN	EXCHANGER	SOLUTION		REFRIGERANT
Inverter Scroll	EC Inverter Axial	Plate	Free-Cooling	Web Monitoring	R410A, R513A
Scroll	Axial	Shell and Tube	Domestic hot water	Super silenced	R452B, R1234ze
Inverter Screw	EC Inverter Centrifugal	Flooded Shell and Tube	Hybrid system management	Single skin	R454B, H_2O
Screw	Centrifugal	Microchannel	High efficiency in cooling	Double skin	R454C
Turbocor	EC Inverter Tangential		High efficiency in heating	Mixing Box	R290
	EC Inverter Plug-Fan		4-Pipe system	Economizer	R134a

Economizer and Thermodynamic Coil-boost Heat Recovery
Economizer and Cross-flow Heat Recovery
Economizer and Wheel Heat Recovery

3. WATER COOLED AND CONDENSERLESS LIQUID CHILLERS AND HEAT PUMPS FOR COMMERCIAL & INDUSTRIAL APPLICATION. REMOTE CONDENSERS

AQUA PLUS

3.1 Liquid Chillers and Heat Pumps with Scroll compressors and plate or shell and tube exchangers. Remote Condensers

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CWW/K 31÷151		9,6-49	13-60	
CWW/K 182-P÷604-P		55-195	73-237	
CWW/K 182÷604		57-196	75-238	
MEA/K 31÷151		8,5-42	11-53	
MEA/K 182-P÷604-P		51-176	60-194	
RCA/K 5111÷8222		---	---	

Booster

3.2 Dedicated Heat Pumps for very high temperature (up to 80°C) hot water production with Scroll compressors and plate exchangers

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CWW/Y/BH 81-P÷1204-P		---	37-550	

multi power

3.3 Multi-Scroll liquid Chillers and Heat Pumps with plate or shell and tube exchangers

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CWW/K 726-P÷36012-P		224-1242	290-1531	
CWW/K 726÷36012		225-1254	291-1546	

MAXI POWER

3.4 Liquid Chillers with Screw compressors and shell and tube exchangers. Remote Condensers

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CWW/H/A 351-P÷901-P	INVERTER SCREW *	86-189	---	
CWW/H/A 1002÷6002	INVERTER SCREW *	234-1650	---	
CWW/Y/A 1002-T÷7202-T	INVERTER SCREW *	250-2143	---	
CWW/Y 1302-B÷9002-B	INVERTER SCREW *	267-2349	---	
MEA/Y 1302-B÷9002-B	INVERTER SCREW *	235-2060	---	
RCA/Y 8141÷9282		---	---	

* Opzionale

TURBOLINE

3.5 Liquid Chillers with Turbocor compressors and flooded shell and tube exchangers

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
CWW/TTH 1701-1÷6606-1		321-1922	---	
CWW/TTH/DR 1701-1÷6606-1		301-1802	---	
CWW/TTY 1601-1÷14406-1		319-3912	---	
CWW/TTY/DR 1601-1÷6204-1		298-1584	---	

4. HYDRONIC MODULES

4.1 Remote Hydronic Modules

UNITS NAME	TECHNOLOGY	(kT)	FEATURES
MR 30÷70		30-70	
MR 1500÷2500		1500-2500	

5. PACKAGED ROOF TOP UNITS

AIRX

5.1 Single or double skin Packaged Roof Top units with Inverter Scroll compressors and EC Inverter Plug-Fans

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
NEW RTQ/IK/EC 101÷181	INVERTER SCROLL EC INVERTER PLUG FANS	19-42	19-44	

AIRPLUS

5.2 Single skin Packaged Roof Top units with Scroll compressors and EC Inverter Plug-Fans

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
RTA/K/EC/WP 182-R÷453-R	EC INVERTER PLUG FANS	65-171	63-162	

AIRMAXI

5.3 Double skin Packaged Roof Top units with Scroll compressors and EC Inverter Plug-Fans

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
RTA/IK/EC 172÷724	INVERTER SCROLL EC INVERTER PLUG FANS	58-252	60-262	
RTA/K/EC 182÷804	EC INVERTER PLUG FANS	58-252	60-262	

6. CONDENSING UNITS

6.1 Condensing units with Scroll compressors

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
MHA/K 31÷151		9,2-45	---	
MHA/K 182÷604		51-188	---	

7. FAN COIL UNITS

7.1 Fan Coil units with cabinet or for built-in installation with 3-Speed or EC Inverter centrifugal fans

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
VXM 123÷614	EC INVERTER FAN *	1,4-8,4	1,9-10	
VXI 123÷614	EC INVERTER FAN *	1,4-8,4	1,9-10	

* Opzionale

Airly

7.2 Fan Coil units with cabinet or for built-in installation with EC Inverter tangential fans

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
NEW SXM/VH/EC 113÷443	EC INVERTER FAN	1,1-4,1	1,3-4,3	
NEW SXI/IF/EC 113÷443	EC INVERTER FAN	1,1-4,1	1,3-4,3	

eurice®

7.3 Wall Mounted Fan Coil units with EC Inverter tangential fan

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
HWW/EC 22÷42	EC INVERTER FAN	2,1-3,7	2,7-4,9	

7.4 Water Cassette with 3-Speed or EC Inverter centrifugal fan

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
TXW 132÷284	EC INVERTER FAN *	2,5-11	3,0-11	

* Opzionale

7.5 Single or double skin Ductable Fan Coil units with 3-Speed or EC Inverter centrifugal fans

UNITS NAME	TECHNOLOGY	(kW)	(kW)	FEATURES
DWX 183÷364	EC INVERTER FAN *	6,0-22	6,2-23	

* Option