

# AIR COOLED CHILLER AND HEAT PUMP



20 - 190 kW



## eCOMFORT

- **Reduced energy bill,**  
High efficiencies all year round, exceeding European energy efficiency 2021 requirement (ErP)
- **Connectivity for comfort and performances,**  
Operation and maintenance facilitated through connectivity of the hydraulic system
- **Compact and low profile,**  
Good architectural integration with full integrated hydraulic module
- **Efficient acoustic comfort,**  
Sound levels among the lowest on the market and adjustable thanks to the A3S Active Acoustic Attenuation system





## KEY FEATURES

### Reduced energy bill

- Energy cost saving thanks to **high efficiencies all year round**, high SEER and SCOP (A+ Class)
- **eDrive** reduces operating cost thanks to inverter on water pump
- **Free hot sanitary water**, thanks to partial heat recovery



### Connectivity

- **Packaged smart system connectivity** for chiller or heat pump with fan coils and AHU installation (Lennoxhydrocontrol)

### Plug & Cool/Heat

- **Full hydraulic module** integrated with single or dual pump with low or high external static pressure
- High content **water tank**, up to 400 liters
- **Low ambient** operation in heating down to -15°C

### Acoustic efficiency

- Low and **adjustable noise level** thanks to Active Acoustic Attenuation system

## CONTROL

**LennoxHydroControl** is the smartest solution for hydronic systems, it manages and coordinates cooling and heating production (chiller/heat-pump units) through up to 32 fancoils.

It ensures customer comfort, providing important energy savings through building zoning, time scheduling and set points control. This function is unique compared to the other standard stand-alone systems.



## GENERAL DATA



Reversible unit	GAH	020	025	030	035	040	045	055	060	070	080	090	110	125	110	125	140	160	185
Net cooling capacity*	kw	20	24	31	36	39	45	54	60	68	81	91	106	120	105	121	136	159	181
EUROVENT Class - Cooling*		A	B	C	B	B	C	B	B	B	B	B	A	B	C	B	B	B	B
ESEER*		4,45	4,41	4,11	4,16	4,17	4,05	4,35	4,15	4,30	4,25	4,37	4,00	4,00	4,42	4,00	4,13	4,19	4,00
Net heating capacity*	kw	20	25	32	37	39	45	54	61	68	79	91	103	118	106	121	136	157	175
EUROVENT Class - Heating*		B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
η <sub>s,h</sub> following ErP n°2013/813*	%	135	128	126	126	126	126	128	126	135	130	147	133	131	143	127	132	133	127
Energy efficiency class following ErP n°2013/811		A+	A+	A+	A+	A+	A+	A+	A+	A+	A+	A+	N/A						
Global sound power level* Standard noise level	dB(A)	74	76	76	76	79	78	81	82	83	84	83	86	86	84	86	86	87	88
Global sound power level with AAAS (Xtra low noise)		70	72	72	72	76	75	78	79	79	80	80	81	82	81	82	82	83	84
Nr of circuit/compressor per circuit		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/3	1/3	1/3	2/2	2/2	2/2	2/2	2/2+3

\*EUROVENT data





## KEY FEATURES

### Reduced energy bill

- Reduced energy cost thanks to **high SEPR**
- **eDrive** reduces operating cost thanks to inverter on water pump
- **Free cooling kit** managed by the unit

### Reliability

- **Low ambient**, winter cooling operation down to -20°C (EC fan)
- **Accurate operation**, thanks to the combination of multi-scroll compressors, electronic expansion valve and buffer tank
- **Redundancy** with 2 circuits from 100 kW to 180 kW
- **Dual pump** mounted in parallel with low or high external static pressure

### Serviceability

- **Remote maintenance system connectivity** (LennoxCloud)
- **Very low refrigerant charge** and high corrosion resistance (micro channel coil)

### Plug & Cool

- **Full hydraulic module** integrated
- **High content water tank** up to 400 liters



## SUPERVISION

**LennoxCloud** is the remote supervision system of LENNOX units. It's a unique system for multi units located in different installations.

Through LennoxCloud, the unit can be remotely controlled, adjusted, or diagnosed by our experts.

LennoxCloud can check (live data trends), optimize (store data analysis) and troubleshoot (alarm/alert reports) customer units.

LennoxCloud allows significant energy savings optimizing performances during all the unit's life cycle.



## GENERAL DATA



Cooling only units	GAC	020	025	030	035	040	045	055	060	070	080	090	110	125	110	125	140	160	185
Net cooling capacity*	kw	20	25	32	37	40	46	55	61	70	83	91	107	122	106	123	139	162	185
EUROVENT Class - Cooling*		A	A	B	B	B	B	A	A	A	A	B	A	B	B	B	A	A	B
ESEER*		4,42	4,50	4,21	4,25	4,21	4,15	4,43	4,25	4,33	4,28	4,31	4,00	4,00	4,33	4,00	4,13	4,19	4,03
SEPR medium temp following ErP n°2015/1095*		3,33	3,53	3,54	3,64	3,44	3,46	3,73	3,63	3,65	3,58	3,56	3,33	3,38	3,78	3,39	3,49	3,54	3,39
Global sound power level* Standard noise level	dB(A)	74	76	76	77	79	78	81	82	83	84	83	86	86	84	86	86	87	88
Global sound power level with AAAS (Xtra low noise)		70	72	72	72	76	75	78	79	79	80	80	81	82	81	82	82	83	84
Nr of circuit/compressor per circuit		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/3	1/3	1/3	2/2	2/2	2/2	2/2	2/2+3

\*EUROVENT data

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