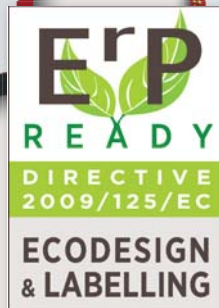


AIR COOLED CHILLER AND HEAT PUMP



20 - 190 kW



eCOMFORT

- **Reduced energy bill,**
High efficiencies all year round, exceeding European energy efficiency 2021 requirement
- **Connectivity,**
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,**
Low and adjustable sound levels





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 _{s,h} 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	dB(A)	74	76	76	76	79	78	81	82	83	84	83	86	86	84	86	86	87	88
Standard noise level		70	72	72	72	76	75	78	79	79	80	80	81	82	81	82	82	83	84
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



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)
- **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

CONTROL

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	dB(A)	74	76	76	77	79	78	81	82	83	84	83	86	86	84	86	86	87	88
Standard noise level		70	72	72	72	76	75	78	79	79	80	80	81	82	81	82	82	83	84
Global sound power level with AAAS (Xtra low noise)																			
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

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