

HIGH EFFICIENCY PACKAGED AIR TREATMENT UNIT



LENNOX participates in the ECP programme for RT.
Check ongoing validity of certificate :
www.eurovent-certification.com

**COP up to
5,5***

eNeRGy+
ADVANCED
ULTRA HIGH EFFICIENCY & COMFORT

Inverter

- Reduced energy bill
- All seasons operation
- Very high comfort level
- Reliability

Airflow rate :
Up to 32000 m³/h

Cooling capacity :
16 - 160 kW

Heating capacity :
16 - 160 kW



* Nominal heating conditions (EN14511) -
At partial load

LENNOX

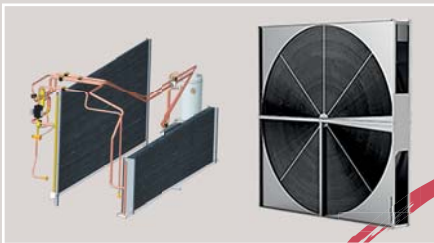
KEY FEATURES

REDUCED ENERGY BILL :

- **eRecovery**
Energy recovery on food refrigeration systems
- **High efficiency indoor fan**
Variable speed direct drive fan with eFlow airflow measurement and display
- **Extraction module**
With variable speed direct drive fan

ALL SEASONS OPERATION :

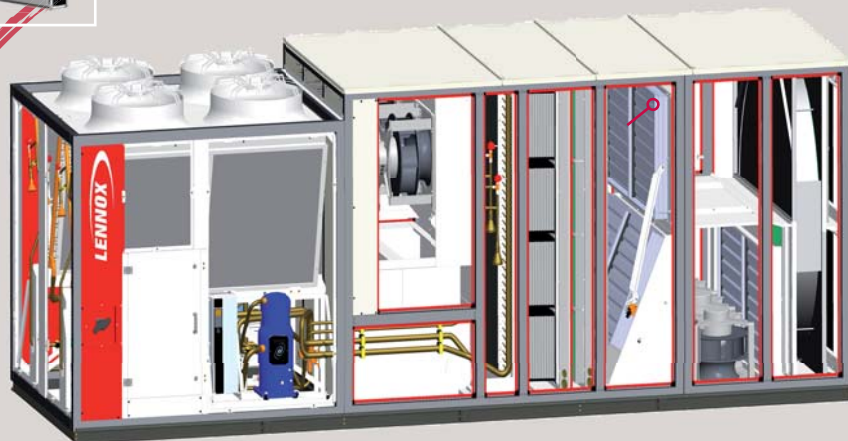
- **Integrated recovery wheel**
Especially designed to transfer sensible (temperature) and optional latent (humidity) heat from the exhaust air to the supply air
- **Axial fans**
With variable speed direct drive fan



Heat recovery solutions



EC plug fan



Variable speed compressors (Inverter)



eCLIMATIC



Electronic expansion valve

VERY HIGH COMFORT LEVEL :

- **Filtration options**
Several levels of filtration :
G4 / F7 (ePM1) / F9 (ePM1)
- **High efficiency refrigeration circuit**
Multiscroll compressors
Electronic expansion valves
Variable speed compressor (Inverter)

RELIABILITY :

- **Innovative casing**
50 mm double skin casing, aluminium frame
- **e-CLIMATIC advanced controller**
Intelligent controller to improve efficiency and help set up and service

ENERGY +		E016 AH105	E019 AH 124	E027 AH 160
Nominal thermal performances - Cooling mode				
Cooling capacity ⁽¹⁾ - (Mini/Maxi)	kW	16 → 97	21 → 116	30 → 159
EER ⁽¹⁾		3,03	2,91	2,82
Eurovent energy efficiency class Full load operation		A	B	B
Nominal thermal performances - Heating mode				
Heating capacity ⁽²⁾ - (Mini/Maxi)	kW	16 → 102	21 → 119	31 → 163
COP ⁽²⁾		3,25	3,26	3,21
Eurovent energy efficiency class Full load operation		B	B	B
Seasonal efficiencies				
Seasonal Energy Efficiency Ratio SEER ⁽³⁾		5,09	4,94	5,18
Seasonal energy efficiency η_{s,c} ⁽⁴⁾	%	200,6	194,5	204
Seasonal Coefficient of Performance SCOP ⁽⁵⁾		3,76	3,71	3,81
Seasonal energy efficiency η_{s,h} ⁽⁶⁾	%	147,5	145,4	149,5
Auxiliary heating				
Gas heating capacity Standard / High	kW	82/130	82/130	100/200
Electric heater capacity Standard / High		36/108	36/108	54/144
Hot water coil capacity (Air inlet 20°C / Water 90-70 °C) Standard / High		74/132	81/146	123/198
Ventilation				
Nominal airflow rate	m ³ /h	10500	13000	18500
Maximum airflow rate		24000	24000	32000
Acoustic data				
Outdoor sound power Standard unit ⁽¹⁾	dB(A)	85,3	86,8	89,9
Indoor blower outlet sound power Standard unit ⁽¹⁾		81	86,1	87,3

(1) Cooling mode :

According to EN14511 nominal conditions
Outdoor temperature 35°C DB
Indoor temperature 27°C DB / 19°C WB

(2) Heating mode :

According to EN14511 nominal conditions
Outdoor temperature 7°C DB / 6°C WB
Indoor temperature 20°C DB

(3) SEER in accordance with standard EN14825.

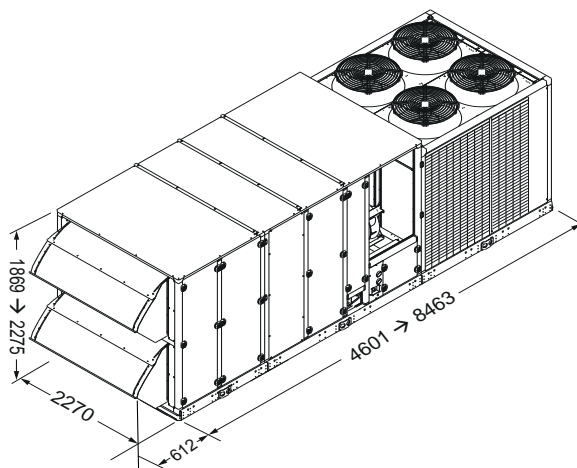
(4) Space cooling energy efficiency following Ecodesign regulation EU 2016/2281

(5) SCOP in accordance with standard EN 14825 (average climate conditions).

(6) Space heating energy efficiency following Ecodesign regulation EU 2016/2281.

(7) The cooling operating limits are given for steady state running condition with noted temperature condition

Dimensions



To get the data of the complete range, please consult us

LENNOX Service

From purchase to replacement, LENNOX Service supports you throughout the life cycle of your products:

- **Commissioning** by LENNOX engineers
- **Remote control and monitoring**
- **Training:** LENNOX has an approved international training centre to meet the needs of HVAC professionals.
- **Contracts for manufacturer visits**
- **Spare parts:** 2,500 parts centralised on a 3,000 m² logistics platform, guaranteeing you maximum availability.
- **Technical assistance**
- **Manufacturer's audit:** Full technical analysis and operating reports for all your equipment, precise diagnosis by LENNOX following the reports, recommendations and action plan to help you compile your investment budgets.
- **Retrofit/drop-in:** According to the F-gas regulations, topping up any equipment with HCFC (e.g. R22) has been prohibited since 1st January 2015. LENNOX helps you examine the different solutions for replacement with an authorised fluid.
- **WEEE eco recycling:** In accordance with European Directive 2012/19/EU, LENNOX is a member of an Eco Organisation approved by Ministerial Decree of 19/12/2012.



LENNOX monitoring solutions

ADALINK II : LENNOX WEB SERVER One site/Several units

ADALINK II is the Lennox solution for managing air-conditioning and air-handling installations. It can be connected to various LENNOX units.

- Simplified BMS system
- Small installations: up to 16 LENNOX units



LennoxCloud: LENNOX WEB PORTAL Multi sites/Multi units

LennoxCloud allows remote monitoring of unit operation across various customer sites. Thanks to LennoxCloud, LENNOX units can be remotely controlled, adjusted and diagnosed by our experts. It helps achieve significant energy savings while optimising performance throughout the unit's life cycle.

LENNOX rooftop packaged units and liquid chillers



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As a major player in the HVAC sector in Europe, Lennox is committed to setting the benchmarks in sustainable development and has been assembling its products in ISO 9001, 14001 and 18001 certified factories since 2007.

To meet its commitments, Lennox endeavours to provide the most accurate information. Nevertheless, the specifications, dimensions and values indicated may be changed without notice, without liability for Lennox. Non-contractual pictures.