

LENNOX®

CASSETTE-SPLIT



Comfort

CASSETTE-SPLIT

DCM/DCK/DHM/DHK 3 → 14 kW



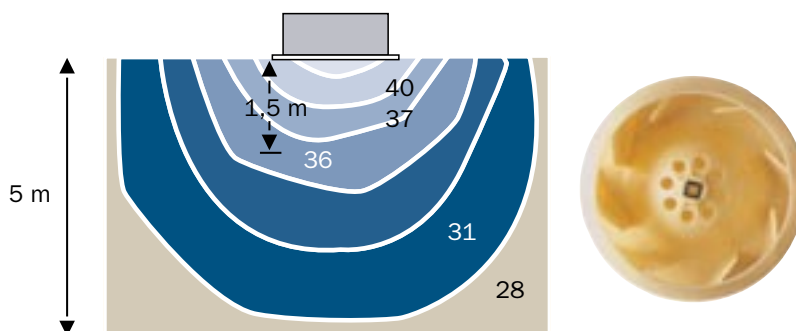
The Lennox cassette split range is specially designed for ceiling installation.

The cassette split unit assures uniform air circulation within the area to be conditioned thanks to the **AIR-SWING** air distribution system.

Condenser head pressure control is a standard feature of the units.

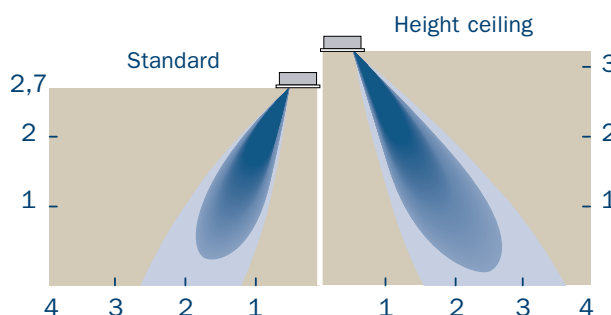
■ SILENT COMFORT

Through the advanced design of the 3D turbo-fan and the innovative design of the indoor heat exchanger, we have succeeded in developing a unit that is one of the quietest available on the market.



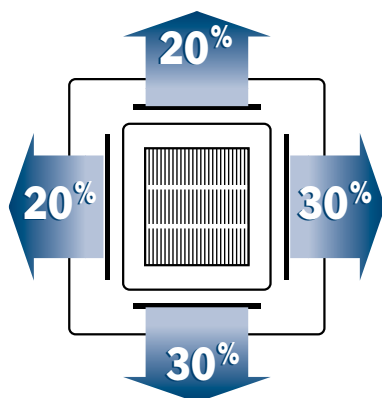
■ FAN ADAPTABLE TO CEILING HEIGHT

Fan speed may be selected according to ceiling height to increase or decrease the air throw when required to ensure uniform air distribution.



■ FILTER

Long-lasting filter with easy access for maintenance.



■ AIR-SWING. Uniform air distribution

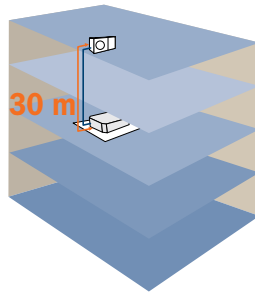
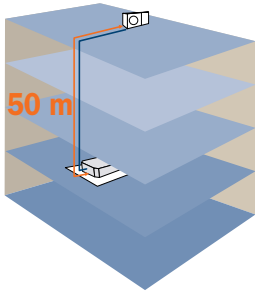
Maximum comfort with optimum air distribution in four directions is achieved with the auto swing technology.

■ Automatic Cool/Heat switching

The unit switches from Cooling to Heating depending upon room demand, with a tolerance of 2° C against the room control setpoint.

■ Safety locking

There is an automatic locking function to prevent tampering with the unit control settings.



■ Greater installation versatility

Lennox Cassette units may be installed at a maximum distance of 50 m and a difference in level of 30 m from their corresponding outdoor units.

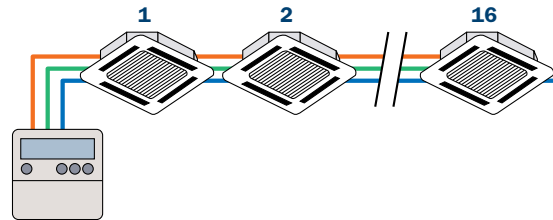
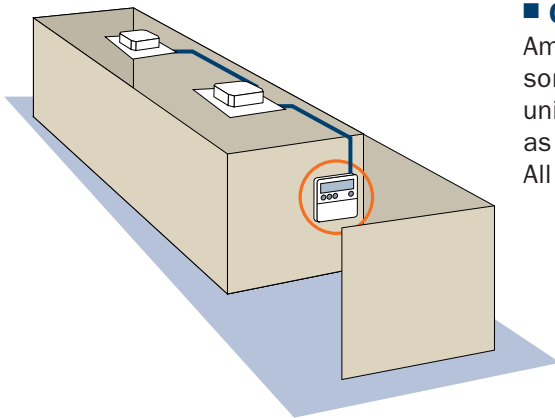
■ Condensate pump

Lennox supplies a condensate lift pump as standard, with a maximum lift of 700 mm.

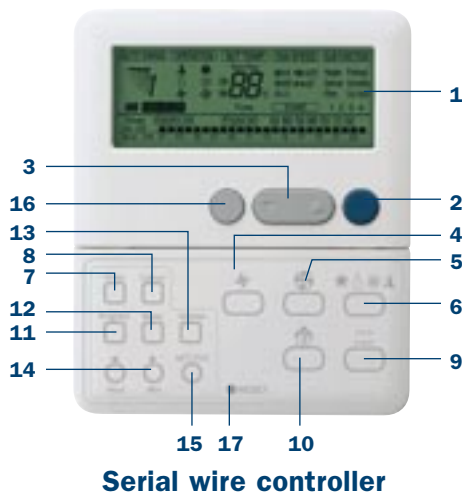


■ GROUP CONTROL (standard)

Amongst its many features the Lennox exclusive microprocessor control system offers the possibility of controlling up to 16 units with a single remote control. This capability is supplied as standard by means of a simple adjustment to the control. All units are kept in communication with one another.



CONTROL UNIT



- 1 Digital display.** Shows the operating conditions.
- 2 On/Off.** The appliance starts up when this button is pressed and stops when it is pressed again.
- 3 Temperature control.** Used to adjust the set point temperature.
- 4 Fan operation.** Used to circulate the air in the room without cooling or heating.
- 5 Fan speed.** Used to change the fan speed setting.
- 6 Operating mode.** Used to select the operating mode: Automatic/Cooling/ Dehumidifying/Heating
- 7 Timer Selection/Cancellation.** Used to adjust the timer settings.
- 8 Timer cancellation.**
- 9 Auto-Swing.**
- 10 Room temperature check.**
- 11 Weekly timer.**
- 12 Week.** Sets the day of the week.
- 13 Holiday.** Used to set a holiday in the week.
- 14 Time Set.** Used to set the time of the day and to change the time in accordance with the weekly timer.
- 15 Set and Clear.** Used to set and clear the weekly timer.
- 16 Quick Cooling.**
- 17 Reset.**





■ COOLING ONLY. CASSETTE-SPLIT - COMFORT

MODELS			DCM 18	DCM 24	DCK 36	DCK 48
Cooling capacity		kW	5,27	6,82	10,55	14,06
Cooling mode power input		kW	1,9	2,4	4,2	4,8
Voltage: 50 Hz		V/f	230 / I	230 / I	400/III	400/III
Compressor		Type	Rotary	Reciprocating	Scroll	Reciprocating
Refrigerant		Type	R410A	R410A	R407C	R407C
Current	Cooling	A	9,3	11,2	6,8	8
Air flow	Indoor	High/Medium/Low	m ³ /h 780/720/ 600	900/840/780	1.500/1.380/1.260	1.800/1.680/1.560
Air flow	Outdoor	High	m ³ /h 3.000	3.120	4.080	6.300
Sound level	Indoor	High/Medium/Low	dB(A) 41/39/37	43/41/39	40/38/36	43/41/39
Sound level	Outdoor	High	dB(A) 55	57	60	62
Ø Coupling pipe size		Liquid	1/4"	1/4"	1/4"	3/8"
		Gas	1/2"	1/2"	5/8"	3/4"
Refrigeration pipework	Max. Vertical	m	15	15	15	15
	Total Vert. + Horizontal	m	30	30	30	30
PHYSICAL DATA						
Dimensions	Indoor	H x L x D (mm)	269x570x570	269x570x570	288x840x840	288x840x840
	Diffuser panel	H x L x D (mm)	30x670x670	30x670x670	30x950x950	30x950x950
	Outdoor	H x L x D (mm)	655x870x320	655x870x320	800x870x320	1.225x900x370
Net weight	Indoor	kg	19	19	32	32
	Outdoor	kg	60	60	81	95
OPERATING LIMITS						
Outside temperature	Max./Min.	Cooling mode	°C 43/-10	43/-10	43/-10	43/-10
Indoor temperature	Max./Min.	Cooling mode	°C 27/15	27/15	27/15	27/15

■ HEAT PUMP. CASSETTE-SPLIT - COMFORT

MODELS			DHM 12	DHM 18	DHM 24	DHM 28	DHK 36	DHK 48
Cooling capacity		kW	3,51	5,27	6,82	8,14	10,46	13,95
Heating capacity		kW	3,51	5,27	6,88	8,14	10,46	13,95
Cooling mode power input		kW	1,28	2,05	2,6	2,95	4,4	4,8
Heating mode power input		kW	1,19	2,05	2,55	2,85	3,7	4,8
Voltage: 50 Hz		V / f	230 / I	230 / I	230 / I	230 / I	400 / III	400 / III
Compressor		Type	Rotary	Rotary	Reciprocating	Scroll	Scroll	Reciprocating
Refrigerant		Type	R410A	R410A	R410A	R410A	R407C	R407C
Current	Cooling	A	5,6	9,3	12	14	7,2	8,0
	Heating	A	5,3	9,3	11,5	13	6,1	8,0
Air flow	Indoor	High/Medium/Low	m ³ /h 600/539/481	780/720/600	900/840/780	1.260/1.140/1.020	1.500/1.380/1.260	1.800/1.680/1.560
Air flow	Outdoor	High	m ³ /h 1.500	3.000	3.120	3.480	4.080	6.300
Sound level	Indoor	High/Medium/Low	dB(A) 38/35/32	41/39/37	43/41/39	43/41/39	40/38/36	43/41/39
Sound level	Outdoor	High	dB(A) 46	55	57	58	60	62
Ø Coupling pipe size		Liquid	1/4"	1/4"	1/4"	3/8"	1/4"	3/8"
		Gas	3/8"	1/2"	1/2"	5/8"	5/8"	3/4"
Refrigeration pipework	Max. Vertical	m	7	15	15	15	15	15
	Total Vert.+ Hor.	m	15	30	30	30	30	30
PHYSICAL DATA								
Dimensions	Indoor	H x L x D (mm)	269x570x570	269x570x570	269x570x570	288x840x840	288x840x840	288x840x840
	Diffuser panel	H x L x D (mm)	30x670x670	30x670x670	30x670x670	30x950x950	30x950x950	30x950x950
	Outdoor	H x L x D (mm)	540x770x240	655x870x320	655x870x320	800x870x320	800x870x320	1.225x900x370
Net weight	Indoor	kg	19	19	19	32	32	32
	Outdoor	kg	31	60	60	78	78	95
OPERATING LIMITS								
Outside temperature	Max./Min.	Cooling mode	°C 43/-10	43/-10	43/-10	43/-10	43/-10	43/-10
Indoor temperature	Max./Min.	Cooling mode	°C 27/15	27/15	27/15	27/15	27/15	27/15
Outside temperature	Max./Min.	Heating mode	°C 18/-10	18/-10	18/-10	18/-10	18/-10	18/-10
Indoor temperature	Max./Min.	Heating mode	°C 24/10	24/10	24/10	24/10	24/10	24/10

At Eurovent Conditions

Ref.: LE - 050304



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Due to Lennox's ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.