

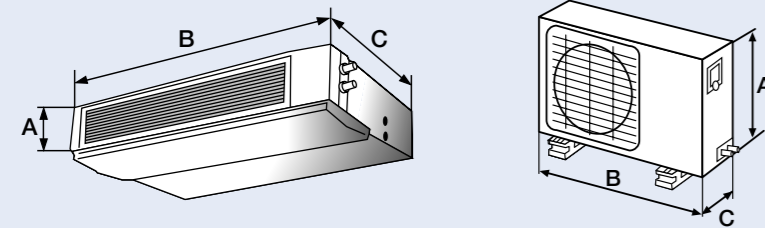
Heat Pump DUCTAIR™ II R410A

MODELS		NHM 12	NHM 18	NHM 24	NHM 30	NHM 30
Cooling capacity	kW	3,5	5,4	7,1	9,2	9,2
Heating capacity	kW	3,8	6	8	9,4	9,5
Cooling mode consumption	kW	1,16	1,9	2,51	3,27	3,25
Heating mode consumption	kW	1,2	1,9	2,5	3,23	3,25
EER	W	3,02	2,85	2,83	2,81	2,83
COP	W	3,17	3,16	3,20	2,91	2,92
Voltage 50 Hz	V/f	230/I	230/I	230/I	230/I	430/III
Compressor	Type	Rotary	Rotary	Rotary	Scroll	Scroll
Current cool	A	5,3	8,8	12,2	17	5,5
Current heat	A	6,8	8,8	11	14,7	5,5
Max. current	A	8,9	11,7	15,3	21	8,5
Airflow indoor unit	m ³ /h	580/490/420	1.160/1.100/1.050	1.460/1.400/1.350	2.070/1.950/1.860	2.070/1.950/1.860
Indoor external static pressure	Pa	40	40	40	70	70
Airflow outdoor unit	m ³ /h	2100	2400	3000	5000	5000
Sound level indoor unit	dB(A)	41/38/35	45/41/38	49/45/42	49/47/44	49/47/44
Sound level outdoor unit	dB(A)	43	48	55	57	57
Coupling pipe diameter liquid	Ø	1/4	1/4	3/8	1/2	1/2
Coupling pipe diameter gas	Ø	1/2	1/2	5/8	3/4	3/4
Charge R410A	g	1.120	2.050	2.600	3.100	3.450
Additional charge above 5 meters	g per meter	30	30	65	65	65
Refrigeration pipework	Total vert. + hor. m	25	25	30	30	30
	max. vertical m	15	15	15	20	20
Drain connection (outside diameter)	mm	41	41	41	41	41
Cable size main power	n° x mm ²	3x2	3x2	3x2,5	3x3	5x2,5
Cable connection indoor-outdoor	n° x mm ²	5 x 2 + 1 x 0,5 *	5 x 2 + 1 x 0,5 *	3 x 2,5 + 3 x 1 + 1 x 0,5 *	3 x 3,0 + 3 x 1 + 1 x 0,5 *	5 x 2,5 + 3 x 1

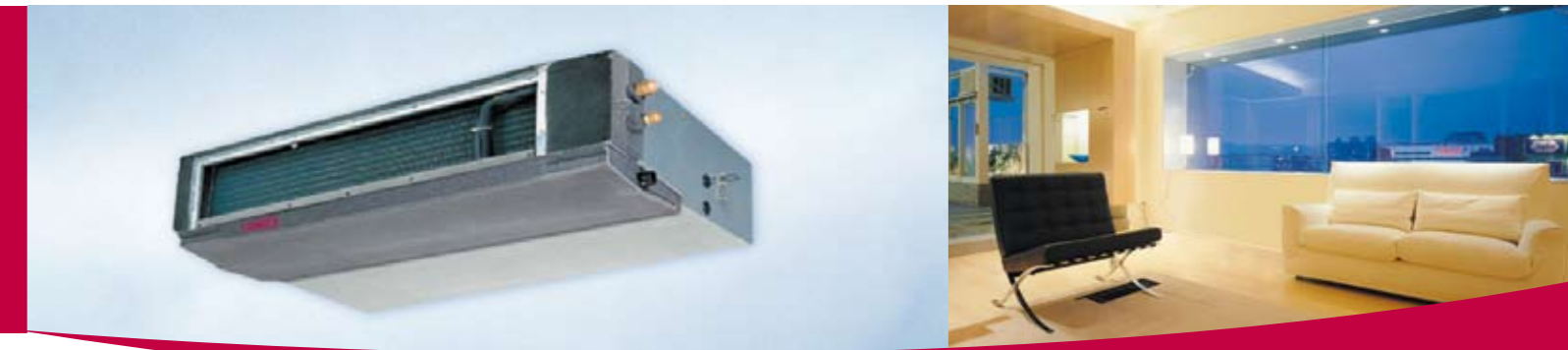
PHYSICAL DATA						
Dimensions indoor unit	H x L x D mm	210x955x385	298x1000x800	296x1000x800	298x1350x800	298x1350x800
Dimensions outdoor unit	H x L x D mm	590x760x285	695x845x335	860x895x330	960x990x360	960x990x360
Net weight indoor unit	kg	15	36	38	48	48
Net weight outdoor unit	kg	44	57	68	90	90
OPERATING LIMITS						
Cooling mode (max. - min.)	°C	45-18	45-18	45-18	45-18	45-18
Heating mode (max. - min.)	°C	24-(-7)	24-(-7)	24-(-7)	24-(-7)	24-(-7)
Operating temperature	°C	17-30	17-30	17-30	17-30	17-30

MODELS		NHM 36	NHM 36	NHM 48	NHM 60
Cooling capacity	kW	10,5	10,5	14	17
Heating capacity	kW	11,1	11,4	15,2	20
Cooling mode consumption	kW	3,75	3,7	4,7	6
Heating mode consumption	kW	3,72	3,35	4,9	6
EER	W	2,80	2,84	2,98	2,83
COP	W	2,98	3,40	3,10	3,33
Voltage 50 Hz	V/f	230/I	430/III	430/III	430/III
Compressor	Type	Scroll	Scroll	Scroll	Scroll
Current cool	A	17	6,5	8,2	9,8
Current heat	A	16,8	5,8	8,6	9,8
Max. current	A	21	8,5	10,7	12,8
Airflow indoor unit	m ³ /h	2.070/1.950/1.860	2.070/1.950/1.860	2.400/2.300/2.200	2.800/2.700/2.600
Indoor external static pressure	Pa	70	70	70	96
Airflow outdoor unit	m ³ /h	5000	5000	6000	6000
Sound level indoor unit	dB(A)	49/47/44	49/47/44	51/47/44	52/48/46
Sound level outdoor unit	dB(A)	57	57	58	58
Coupling pipe diameter liquid	Ø	1/2	1/2	1/2	1/2
Coupling pipe diameter gas	Ø	3/4	3/4	3/4	3/4
Charge R410A	g	3.450	3.100	4.000	4.200
Additional charge above 5 meters	g per meter	65	65	65	90
Refrigeration pipework	Total vert. + hor. m	30	30	50	50
	max. vertical m	20	20	30	30
Drain connection (outside diameter)	mm	41	41	41	41
Cable size main power	n° x mm ²	3x3,5	5x2,5	5x2,5	5x2,5
Cable connection indoor-outdoor	n° x mm ²	3 x 3,5 + 3 x 2,5 + 1 x 0,5	5 x 2,5 + 3 x 1,0	5 x 2,5 + 3 x 1,0	5 x 2,5 + 3 x 1,0

PHYSICAL DATA					
Dimensions indoor unit	H x L x D mm	298x1.350x800	298x1.350x800	298x1.350x800	320x1.350x800
Dimensions outdoor unit	H x L x D mm	960x990x360	960x990x360	1.245x940x340	1.245x940x340
Net weight indoor unit	kg	48	48	50	70
Net weight outdoor unit	kg	90	90	112	112
OPERATING LIMITS					
Cooling mode (max. - min.)	°C	45-18	45-18	45-18	45-18
Heating mode (max. - min.)	°C	24-(-7)	24-(-7)	24-(-7)	24-(-7)
Operating temperature	°C	17-30	17-30	17-30	17-30



Split system DUCTAIR™ II



www.lennox.eu

BELGIUM, LUXEMBOURG
www.lennoxbelgium.com

RUSSIA
www.lennoxrussia.com

Due to Lennox's ongoing commitment to quality, the Specifications, Ratings and Dimensions are 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.

••• Space saving solution

CZECH REPUBLIC
www.lennox.cz

SLOVAKIA
www.lennoxdistribution.com

FRANCE
www.lennoxfrance.com

SPAIN
www.lennoxspain.com

GERMANY
www.lennoxdeutschland.com

UKRAINE
www.lennoxukraine.com

NETHERLANDS
www.lennoxnederland.com

UNITED KINGDOM AND IRELAND
www.lennoxuk.com

POLAND
www.lennoxpolska.com

OTHER COUNTRIES
www.lennoxdistribution.com

PORTUGAL
www.lennoxportugal.com

DUCTAIR II-PSC-0408-E

- • • This new range of ducted split system opens up a field of application of air conditioning by using the space above lowered ceilings for location of the indoor unit and air distribution.

space saving solution

Split system DUCTAIR™ II

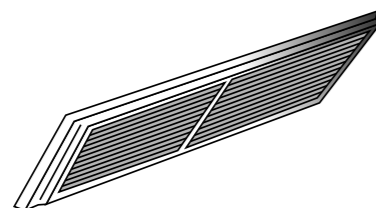


-
-
-

Low profile

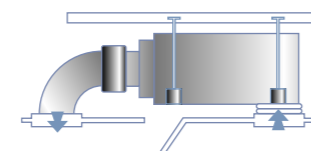
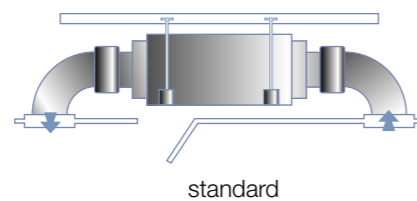
The low height dimension of the DUCTAIR™ II enables location in almost each type of lowered ceiling. Height size 12 only 210 mm, size 18 to 48 : 298 mm and size 60 : 320 mm.

Air filter standard factory fitted



Fast and easy installation

Air intake according your needs.



Axial outdoor units

The coil of the outdoor unit is of a L construction, this mean a bigger surface of the coil and low speed running of the axial fan.



Made from electrolytic zinc steel sheet and anti-rust coated components. The units can be used in any climate types. The outdoor unit has also a valve protection cover to protect the valves and prevents water dripping.

Control

Wired or wireless remote controller

The unit will be delivered as standard with a cable operated digital electronic controller, 10 meters wiring included and wireless infrared remote controller..



- • • Ease of control

- MODE BUTTON**
Select the needing mode of the air conditioner
- FAN SPEED BUTTON**
Push it to choose fan speed
- TEMPERATURE BUTTON**
The set temperature is increase to 30°C.
The set temperature is decrease to 17°C.
- CLOCK ADJUSTMENT BUTTON**
To adjust the time on the clock or the time of start operation and stop operation.
- RESET BUTTON**
When you push the RESET button, all current settings are cancelled and get into the condition of beginning. In the clock, the colon in 0:00 will flash, the mode displays AUTO, fan speed displays AUTO, the temperature displays AUTO.
- LOCK BUTTON**
When you push the LOCK button, all current settings are locked in and the wire controller does not accept any operation except that of the LOCK button. Use the lock mode when you want to prevent settings from being changed accidentally or play fully. Push the LOCK button again when you want to cancel the LOCK mode.
- ON/OFF LAMP**
Indicate the Air conditioner operating or not
- ON/OFF BUTTON**
To connecting the power to operate the wire controller. Push again to stop it.
- CANCEL BUTTON**
Push this button to cancel ON time and OFF time.

Small dimensions Indoor Unit