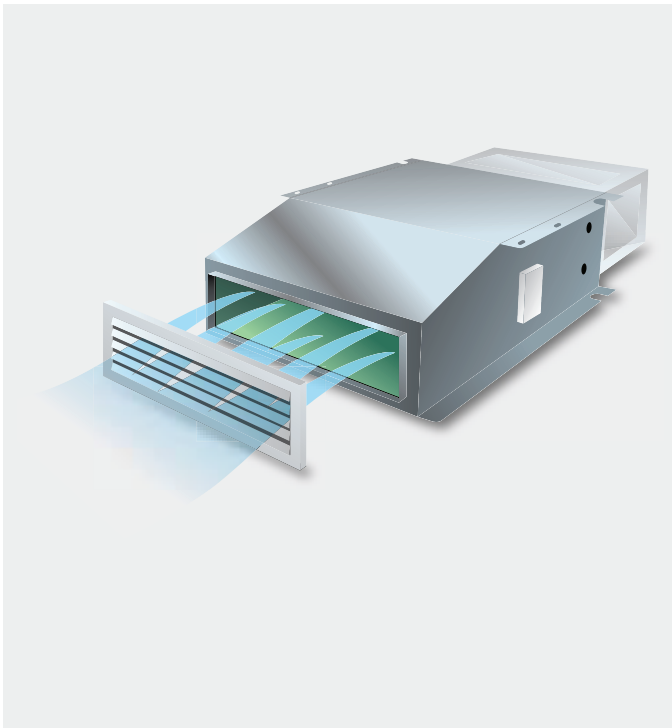


LNH series

Maximum silent fancoil for hotels, hospitals, homes



Identity

They are perfect for hotels, hospitals, and houses
Concealed unit

Version

2 pipe

Certification

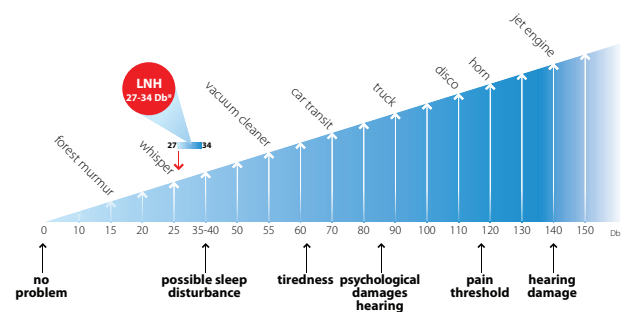


Plus



Description

The underceiling fancoil "LNH" is studied to obtain the maximum energy comfort with the maximum performance in sound level hardly reachable with air terminal units (split, fancoils). Their performances make it the ideal product for every kind of installations that have to ensure the best respect of strictly sound level rules.



* As referred to measurement models from 03 to 08 at the minimum speed

Plus

ALL IN 1 CONTROL

Wall mounted standard control with advanced functions Master/ Slave included to create little networks until 32 units each one.

BMS COMPATIBLE

Possibility to control until 2048 units with DLBMS1 data logger and Modbus protocol or DLBMS2 with Aertesi protocol, even in combination with all the Aertesi terminal units. Availability of the centralized management software SFTMB

SUPERSILENT

Extremely silent thanks to their technical features: the accurate study of an integrated silencer plenum and the utilize of a particular insulation with high soundproof power

ECO

The insulation material of the plenum and of the metal sheet body is realized with ecological material (Recycled fibre in polyester) at less environmental impact and closed cells to ensure a more sanitized impact.

4TIN2T

Accessory proposed to adapt the 2 pipes devices in 4 pipes installations increasing the capacity efficiency with energy savings effects

EASY SERVICE

LNH is designed for the maximum maintenance comfort: the fan, like the main drain pan and the coil are both inspectable and removable with the some procedure.

Technical data

Size		3	6	8	12
Air flow					
1		375	610	990	1338
2 Max		343	548	789	1256
3	m3/h	294	469	710	1103
4 Med		253	383	632	958
5 Min		203	328	470	696
6		167	310	421	642
Total cooling capacity					
1		2,2	3,59	5,82	7,21
2 Max		2,06	3,3	4,87	6,7
3	kW	1,82	2,91	4,55	6,26
4 Med		1,7	2,46	4,15	5,62
5 Min		1,33	2,15	3,25	4,36
6		1,19	2,05	3,00	4,2
Sensible cooling capacity					
1		1,69	2,77	4,48	5,71
2 Max		1,57	2,53	3,68	5,42
3	kW	1,37	2,2	3,36	4,87
4 Med		1,2	1,84	3,03	4,32
5 Min		0,986	1,6	2,31	3,28
6		0,823	1,52	2,09	3,05
Water flow					
1		379	617	1000	1238
2 Max		354	567	836	1184
3	l/h	313	500	768	1076
4 Med		275	423	697	967
5 Min		229	370	541	750
6		193	353	491	701
Pressure drop					
1		13,6	6,28	19,1	28
2 Max		12	5,39	13,8	25,8
3	kPa	9,6	4,3	11,9	21,8
4 Med		7,65	3,18	10,0	17,9
5 Min		5,49	2,51	6,3	11,3
6		4,02	2,29	5,3	10,1
Heating capacity					
1		4,75	8,2	12,8	16,8
2 Max		4,4	7,5	10,7	14,9
3	kW	3,8	6,7	9,8	14,5
4 Med		3,6	5,4	8,9	12,1
5 Min		2,78	4,68	6,82	9,4
6		2,45	4,5	6,3	8,83
Water flow					
1		426	735	1116	1473
2 Max		394	674	929	1314
3	l/h	342	585	848	1232
4 Med		297	473	780	1058
5 Min		238	409	595	825
6		201	392	542	784
Pressure drop					
1		13	5,5	22,0	32
2 Max		10	4,9	15,0	27
3	kPa	8,5	4	13,4	23
4 Med		6	3	12,0	12
5 Min		4,8	2	8,0	7,2
6		3	1,7	6,0	6
Max air flow					
1		375	610	990	1338
2 Max		343	548	789	1256
3	m3/h	294	469	710	1103
4 Med		253	383	632	958
5 Min		203	328	470	696
6		167	310	421	642

Size		3	6	8	12
Heating capacity					
	1	2,85	4,61	7,41	9,52
	2 Max	2,64	4,2	6,09	9,04
(3)	3	2,31	3,66	5,55	8,12
	4 Med	2,1	3,05	5,00	7,2
	5 Min	1,64	2,65	3,80	5,44
	6	1,45	2,51	3,44	5,06
Water flow					
	1	379	617	1000	1238
	2 Max	354	567	836	1184
(3)	3	313	500	768	1076
	4 Med	275	423	697	967
	5 Min	229	370	541	750
	6	193	353	491	701
Pressure drop					
	1	11,4	5,27	16,00	23,5
	2 Max	10,1	4,53	11,60	21,7
(3)	3	8,07	3,61	9,94	18,3
	4 Med	6,4	2,67	8,37	15,1
	5 Min	4,6	2,1	5,29	9,53
	6	3,38	1,93	4,46	8,46
B1 additional coil heating capacity					
	1	2,31	3,85	5,79	7,03
	2 Max	2,18	3,58	4,98	6,75
(2)	3	1,99	3,27	4,64	6,21
	4 Med	1,79	2,83	4,35	5,66
	5 Min	1,52	2,52	3,51	4,64
	6	1,32	2,42	3,24	4,4
B1 additional coil water flow					
	1	202	336	506	614
	2 Max	190	313	435	590
(2)	3	174	286	406	534
	4 Med	156	247	380	495
	5 Min	133	221	307	406
	6	115	212	283	384
B1 additional coil pressure drop					
	1	5,78	20	7,40	10,5
	2 Max	5,21	17,6	5,65	6,77
(2)	3	4,43	14,9	4,97	8,41
	4 Med	3,65	11,5	4,43	7,12
	5 Min	2,75	9,38	3,01	4,98
	6	2,11	8,69	2,61	4,52
Sound power					
	1	47	44	52	59
	2 Max	42,9	40,8	48	56,9
	3	39	37,4	45	53,5
	4 Med	36,9	37	42	50,3
	5 Min	30	32	34	45
	6	27	30	31	45,2
Max power input					
	1	W	40	55	108
	1	A	0,19	0,24	0,47
Accessories					
	Outlet plenum	n°	1	2	3
	Outlet plenum diameter	mm		160	
	EH electric heater (Accessories)	kW	1000	1250	2000

- (1) Temperature: Air 27 °C - 47%
Water In/Out 7/12 °C
- (2) Temperature: Air 20 °C
Water In/Out 70/60 °C
- (3) Temperature: Air 20 °C
Inside water 50 °C
- (4) In compliance with EUROVENT parameters

Unit price list

Size		3	6	8	12
LNH		433	527	613	628
B1	1 additional row	54	67	81	
(1) V4TIN2T	4 pipe module for main coil	277			

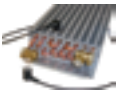





- (1) Module for main coil composed by tow 3 way on/off valves and wall controller TOP1 (special version).
IMPORTANT! In order to have a correct working of the system it is obligatory to use stop valves for all 4 pipes.
 It is strongly suggest to use the accessory DET4 (see chapter "Hydraulic accessories") or an equivalent system supplied by the installer.

Note: auxiliary condensate pan is always included in the price of basic unit

Controls

Wall mounted		CSN N	3 Speed Selector with S/W switch wall installation	€	24
		SATH N	Electronic thermostat with 3 speed selector and summer/winter selector	€	53
		TOP1 N	Multifunction electronic regulator	€	92
		TOP1-0/10V N	Multifunction electronic regulator 0-10V	€	92
		TOP2	Advanced multifunctions digital control	€	166
		SATH2	Analogic control	€	62

Accessories price list







Size		3	6	8	12	
(2) 	TM	Low water temp. thermostat	€	34		
	EH	Electric heater with safety thermostat	€	100	168	187
	EHR	Relais for electric heater	€	48	56	66
	TR24	Transformator 230/24V	€	39		
	AS	Running/Alarm detector	€	151		
	BE	Surplus for direct expansion coil	€	51		

Size			3	6	8	12
Continuos modulating valves	V2M	Modulating valve 3 way/4 doors	€		199	226
	V2MK	Modulating valve 3 way/4 doors, kit not mounted	€		177	203
	V4M	Modulating valve 3 way/4 doors 4 pipe	€		398	420
	V4MK	Modulating valve 3 way/4 doors 4 pipe, kit not mounted	€		370	393
On/Off valves	V22	2 way ON/OFF valve set for 2 pipe system	€		85	91
	V42	2 way ON/OFF valve, set for 4 pipe system	€		166	173
	V23	3 way/4 doors ON/OFF valve	€		104	112
	V43	3 way/4 doors ON/OFF valve 4 pipe	€		199	211
	V22K	2 way ON/OFF valve for 2 pipe system, kit not mounted	€		77	83
	V42K	2 way ON/OFF valve for 4 pipe system, kit not mounted	€		160	166
	V23K	3 way/4 doors ON/OFF valve 2 pipe, kit not mounted	€		88	95
	V43K	3 way/4 doors ON/OFF valve 4 pipe, kit not mounted	€		184	191
	Hidraulic accessories	DET2	Stop valves for 2 pipes kit not mounted (with flex)	€		38
DET4		Stop valves for 4 pipes kit not mounted (with flex)	€		66	70
PSCZE		Condensation drainage pump kit not mounted	€	167		
PSCZE/BI-O		Condensate drainage pump factory installed (horizontal)	€	211		
Separates accessories - varying	PM	Outlet plenum with spigots (without insulation)	€	83	97	104
	PA	Suction plenum with spigots	€	83	97	104
	PM90	90° plenum outlet (without insulation)	€	45	48	54
	PA90	90° plenum inlet (without insulation)	€	64	70	77
	COIB	Plenum insulation	€	22	26	30
	GFA	Fixed grilles for suction (in aluminium)	€	71	94	114
	GF2	Double outlet regulation aluminium grilles	€	84	120	152
	FAG3	Special air filter with high efficiency	€	17	23	30
	FRA	Flange for unit connection to suction duct	€	32	40	52

(1)

(1) The drain pump needs an extra space of 20 mm under the bottom side of the unit.

Spare parts

Size			3	6	8	12	
	B1Z	1 row coil	€	56	70	84	84
	BPZ	Main coil	€	101	132	154	154
	BEZ	Direct expansion coil	€	145	173	193	193
	GRV	Fan deck (with autotransformer From 308 to 1260)	€	109	149	163	183
	AT	Autotransformer (specify size)	€	21	21	21	21
	FA	Spare filter	€	17	21	27	27