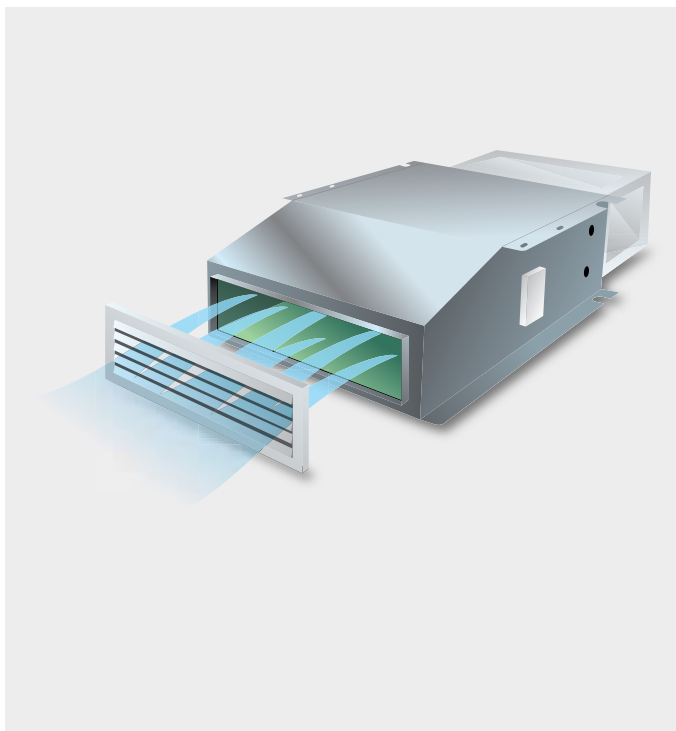


LNH series

Maximum silent fancoil for hotels, hospitals, homes



Identity

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

Version

2 pipe

Certification

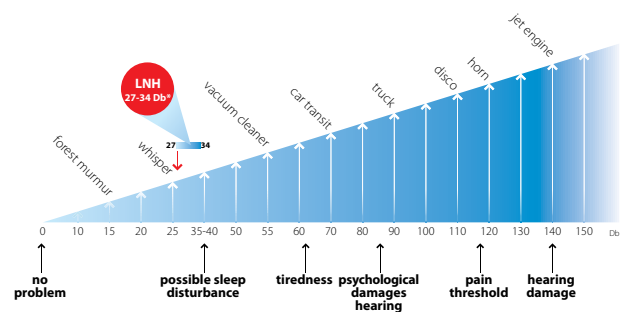


Plus



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
(1) (4) 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
(1) (4) 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
(1) (4) 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
(1) (4) 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
(2) 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
(2) 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
(2) 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

Controls

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