



E-Series Silent

This system is the right solution whenever there is a need for absolute silence. The Silent units are fitted with extremely effective soundproofing and with silent motors.



S model

Visible wall or ceiling installation. Air intake area at the front.



Z model

Suspended ceiling installation. Air intake underneath. Only the air intake and discharge opening are visible.



U model

For exposed installation or installation in a suspended ceiling, underside of the unit is visible. Air intake area at the bottom. Available with optional ceiling installation frame.



UDB model

For installation in a suspended ceiling, flush with the ceiling. Air intake area at the bottom. Complete underside of the unit is visible.

Performance category	Silent 1					Silent 2					Silent 3					
	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300	
Length of the unit																
Weights																
S/U/UDB version	[kg]	100	115	130	150	170	105	120	135	155	175	130	165	200	230	260
Z version	[kg]	110	130	145	170	190	115	135	150	175	195	145	185	220	255	290
Unit measurements																
Width	[mm]	1000	1500	2000	2500	3000	1000	1500	2000	2500	3000	1000	1500	2000	2500	3000
Depth	[mm]	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1350	1350	1350	1350	1350
Height of S/U/UDB model	[mm]	300	300	300	300	300	300	300	300	300	300	430	430	430	430	430
Height of Z model	[mm]	475	475	475	475	475	475	475	475	475	475	630	630	630	630	630

Electrical data 230 V																
AC technology																
Output	[kW]	0,48	0,72	0,96	1,20	1,44	0,44	0,89	1,11	1,33	1,55	0,77	0,77	1,16	1,55	1,94
Power consumption	[A]	2,09	3,13	4,17	5,22	6,26	1,93	3,86	4,83	5,79	6,76	3,37	3,37	5,05	6,73	8,41
EC technology																
Output	[kW]	0,34	0,51	0,68	0,85	1,01	0,34	0,68	0,85	1,01	1,18	0,68	1,36	2,04	2,72	3,40
Power consumption	[A]	2,40	3,60	4,80	6,00	7,20	2,40	4,80	6,00	7,20	8,40	3,10	6,20	9,30	12,40	15,50

Performance category	Silent 1					Silent 2					Silent 3					
	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300	
Performance data																
Max. recommended installation height	[m]	2,9					3,3					3,6				
Max. nominal flow rate	[m³/h]	2200	3000	4300	5400	6500	2200	4500	5300	6500	7600	5600	6000	8000	10000	12000
Max. effective flow rate*	[m³/h]	1600	2400	3250	4050	4850	1700	3200	4000	4800	5600	3450	3600	5400	7250	9000
Average air discharge speed*	m/s	9,9					11,5					10,5				
Sound pressure level at a distance of 3 metres to the sound source (anechoic chamber)																
Max. operating level	dB(A)	52,0	53,0	53,5	55,0	57,0	54,0	55,0	56,5	58,0	59,0	52,0	52,0	52,5	54,0	56,0
Average operating level	dB(A)	40,0	41,0	42,4	43,0	45,0	43,0	44,0	45,6	47,0	48,0	42,0	42,0	43,3	44,0	46,0
Minimum operating level	dB(A)	21,0	21,0	22,3	23,0	23,0	23,0	23,0	24,2	25,0	25,0	20,0	20,0	21,4	22,0	22,0
Sound power level*																
Max. operating level	dB(A)	69,5	70,5	71,0	72,5	74,5	71,5	72,5	74,0	75,5	76,5	69,5	69,5	70,0	71,5	73,5
Average operating level	dB(A)	57,5	58,5	59,9	60,5	62,5	60,5	61,5	63,1	64,5	65,5	59,5	59,5	60,8	61,5	63,5
Minimum operating level	dB(A)	38,5	38,5	39,8	40,5	40,5	40,5	40,5	41,7	42,5	42,5	37,5	37,5	38,9	39,5	39,5
Technical data of heater battery																
LTHW 70/50 at an air intake temperature of 20°C and air discharge temperature of 35°C (installation with air roll rotating inwards)																
Heat output	[kW]	8,8	13,2	17,8	22,2	26,6	9,3	17,6	21,9	26,3	30,7	18,9	19,7	29,6	39,8	49,4
Flow rate	[m³/h]	0,38	0,57	0,77	0,95	1,14	0,40	0,75	0,94	1,13	1,32	0,81	0,85	1,27	1,71	2,12
Water resistance	[kPa]	1,85	1,86	1,40	1,55	1,62	1,98	2,98	1,80	1,90	1,85	2,54	1,46	1,50	2,00	1,81
LTHW 70/50 at an air intake temperature of 15°C and air discharge temperature of 35°C (installation with air roll rotating outwards)																
Heat output	[kW]	11,7	17,6	23,8	29,6	35,5	12,4	23,4	29,3	35,1	41,0	25,2	26,3	39,5	53,0	65,8
Flow rate	[m³/h]	0,50	0,75	1,02	1,27	1,52	0,53	1,01	1,26	1,51	1,76	1,08	1,13	1,70	2,28	2,83
Water resistance	[kPa]	6,46	7,16	5,37	5,87	6,22	6,96	9,68	6,50	6,82	7,07	6,02	4,78	4,99	7,80	5,96
LTHW 70/50 at an air intake temperature of 5°C and air discharge temperature of 32°C (installation with air roll rotating outwards)																
Heat output	[kW]	15,8	23,7	32,1	40,0	47,9	16,8	31,6	39,5	47,4	55,3	34,1	35,5	53,3	71,6	88,9
Flow rate	[m³/h]	0,68	1,02	1,38	1,72	2,06	0,72	1,36	1,70	2,04	2,38	1,46	1,53	2,29	3,08	3,82
Water resistance	[kPa]	9,60	10,60	7,99	8,71	9,23	10,40	14,40	9,76	10,12	10,48	9,04	7,11	7,42	11,50	8,85
LTHW 60/40 at an air intake temperature of 20°C and air discharge temperature of 32°C (installation with air roll rotating inwards)																
Heat output	[kW]	7,0	10,5	14,3	17,8	21,3	7,5	14,0	17,6	21,1	24,6	15,1	15,8	23,7	31,8	39,5
Flow rate	[m³/h]	0,30	0,45	0,61	0,76	0,91	0,32	0,60	0,75	0,91	1,06	0,65	0,68	1,02	1,37	1,70
Water resistance	[kPa]	1,30	1,51	0,99	1,00	1,03	1,39	1,89	1,19	1,20	1,25	1,69	0,98	1,08	1,50	1,22
LTHW 60/40 at an air intake temperature of 20°C and max. air discharge temperature (installation with air roll rotating inwards)																
Heat output	[kW]	10,5	16,8	22,8	29,0	35,2	11,0	20,5	26,4	32,8	39,0	18,1	23,2	34,3	51,2	57,0
Air discharge temperature	[°C]	39,0	40,5	40,5	41,0	41,0	38,9	39,0	39,0	40,0	40,5	35,4	39,0	38,5	40,0	38,5
Flow rate	[m³/h]	0,50	0,70	1,00	1,30	1,50	0,50	0,90	1,10	1,40	1,70	0,80	1,00	1,50	2,20	2,50
Water resistance	[kPa]	3,01	3,24	2,41	2,66	2,83	3,21	4,61	3,12	3,29	3,40	2,57	2,25	2,36	3,90	2,84
LTHW 60/40 at an air intake temperature of 15°C and air discharge temperature of 32°C (installation with air roll rotating outwards)																
Heat output	[kW]	9,9	14,9	20,2	25,2	30,1	10,6	19,9	24,9	29,8	34,8	21,4	22,4	33,6	45,1	55,9
Flow rate	[m³/h]	0,43	0,64	0,87	1,08	1,30	0,45	0,86	1,07	1,28	1,50	0,92	0,96	1,44	1,94	2,41
Water resistance	[kPa]	3,97	4,47	3,34	3,67	3,91	4,28	6,02	4,06	4,25	4,43	3,63	2,96	3,09	4,96	3,71
LTHW 50/35 at an air intake temperature of 20°C and max. air discharge temperature (installation with air roll rotating inwards)																
Heat output	[kW]	7,8	12,1	16,8	21,4	26,0	8,0	15,1	19,4	24,1	28,8	13,3	17,1	25,2	37,9	42,0
Air discharge temperature	[°C]	34,0	35,0	35,0	35,4	35,7	34,0	34,0	34,0	35,0	35,0	31,0	34,0	34,0	35,0	33,7
Flow rate	[m³/h]	0,40	0,70	1,00	1,20	1,50	0,50	0,90	1,10	1,40	1,70	0,80	1,00	1,50	2,20	2,40
Water resistance	[kPa]	2,99	3,23	2,39	2,65	2,83	3,23	4,61	3,10	3,28	3,40	2,54	2,24	2,35	3,92	2,83
Pipe connections																
Flow/return flow	[Inches]	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

* Data are based on measurements in accordance with ISO 27327 conducted by the Institute of Air Handling and Refrigeration (ILK) in Dresden