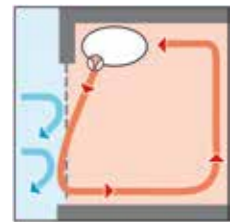




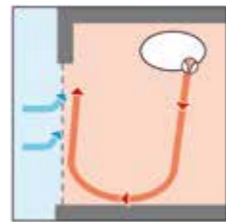
Ellipse

These units are available in an oval or flat elliptical shape. Both forms of housing with their soft curves offer a timeless design that blends harmoniously into any setting.



Horizontal mounting (air roll rotating inwards)

Flat Ellipse with horizontal mounting.



Horizontal mounting (air roll rotating outwards)

Flat Ellipse with horizontal mounting.

Performance category	Ellipse 1 Flach					Ellipse 2 Flach					Ellipse 3 Flach					
	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300	
Length of the unit																
Weights	[kg]	50	72	86	102	130	56	84	110	130	158	140	185	215	250	280
Unit measurements																
Width	[mm]	1000	1500	2000	2500	3000	1000	1500	2000	2500	3000	1000	1500	2000	2500	3000
Depth	[mm]	800	800	800	800	800	800	800	800	800	800	1130	1130	1130	1130	1130
Height	[mm]	310	310	310	310	310	310	310	310	310	310	450	450	450	450	450

Electrical data 230 V																
AC technology																
Output	[kW]	0,46	0,69	0,92	1,15	1,38	0,46	0,92	1,15	1,38	1,61	0,86	1,12	1,69	2,25	2,81
Power consumption	[A]	2,00	3,00	4,00	5,00	6,00	2,00	4,00	5,00	6,00	7,00	3,76	4,88	7,33	9,77	12,21
EC technology																
Output	[kW]	0,34	0,51	0,68	0,85	1,01	0,34	0,68	0,85	1,01	1,18	0,69	1,38	2,07	2,76	3,45
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	Ellipse 1 Oval					Ellipse 2 Oval					Ellipse 3 Oval					
	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300	
Length of the unit																
Weights	[kg]	50	72	86	102	130	56	84	110	130	158	125	160	200	230	250
Unit measurements																
Width	[mm]	1.000	1.500	2.000	2.500	3.000	1.000	1.500	2.000	2.500	3.000	1.000	1.500	2.000	2.500	3.000
Depth	[mm]	615	615	615	615	615	710	710	710	710	710	1.000	1.000	1.000	1.000	1.000
Height	[mm]	450	450	450	450	450	522	522	522	522	522	750	750	750	750	750

Electrical data 230 V																
AC technology																
Output	[kW]	0,46	0,69	0,92	1,15	1,38	0,46	0,92	1,15	1,38	1,61	0,86	1,12	1,69	2,25	2,81
Power consumption	[A]	2,00	3,00	4,00	5,00	6,00	2,00	4,00	5,00	6,00	7,00	3,76	4,88	7,33	9,77	12,21
EC technology																
Output	[kW]	0,34	0,51	0,68	0,85	1,01	0,34	0,68	0,85	1,01	1,18	0,69	1,38	2,07	2,76	3,45
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	Ellipse 1					Ellipse 2					Ellipse 3					
	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300	
Performance data																
Max. recommended installation height	[m]	2,90					3,40					4,40				
Max. nominal flow rate	[m³/h]	2100	3150	4200	5250	6300	2100	4200	5250	6300	7450	3800	5800	8500	11600	14500
Max. effective flow rate*	[m³/h]	1500	2400	3200	4000	4800	1600	3050	3800	4550	5300	2700	4300	6500	8600	11000
Average air discharge speed*	[m/s]	14,2					15,6					19,3				
Sound pressure level at a distance of 3 metres to the sound source (anechoic chamber)																
Max. operating level	dB(A)	57,0	59,0	61,0	63,0	64,0	58,4	60,4	62,4	64,4	66,4	60,0	62,0	63,0	64,0	65,0
Average operating level	dB(A)	46,6	48,6	50,6	52,6	53,6	49,1	51,1	53,1	55,1	57,1	56,4	58,4	59,4	60,4	61,4
Minimum operating level	dB(A)	21,3	23,3	25,3	27,3	28,3	24,1	26,1	28,1	30,1	32,1	28,0	30,0	31,0	32,0	33,0
Sound power level*																
Max. operating level	dB(A)	74,5	76,5	78,5	80,5	81,5	75,9	77,9	79,9	81,9	83,9	77,5	79,5	80,5	81,5	82,5
Average operating level	dB(A)	64,1	66,1	68,1	70,1	71,1	66,6	68,6	70,6	72,6	74,6	73,9	75,9	76,9	77,9	78,9
Minimum operating level	dB(A)	38,8	40,8	42,8	44,8	45,8	41,6	43,6	45,6	47,6	49,6	45,5	47,5	48,5	49,5	50,5
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]	8,2	13,2	17,6	21,9	26,3	8,8	16,7	20,8	25,0	29,1	14,8	23,6	35,7	47,2	60,3
Flow rate	[m³/h]	0,35	0,57	0,75	0,94	1,13	0,38	0,72	0,90	1,07	1,25	0,64	1,01	1,53	2,03	2,59
Water resistance	[kPa]	0,73	0,90	0,92	0,92	0,92	1,95	2,75	1,80	1,76	1,83	1,62	2,11	2,22	3,12	2,91
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]	11,0	17,6	23,4	29,3	35,1	11,7	22,3	27,8	33,3	38,8	19,7	31,4	47,5	62,9	80,4
Flow rate	[m³/h]	0,47	0,75	1,01	1,26	1,51	0,50	0,96	1,19	1,43	1,67	0,85	1,35	2,04	2,70	3,46
Water resistance	[kPa]	0,79	1,58	1,69	1,76	1,80	6,80	9,70	6,55	6,82	6,98	4,51	6,28	6,64	10,42	8,06
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]	14,8	23,7	31,6	39,5	47,4	15,8	30,1	37,5	44,9	52,3	26,7	42,5	64,2	84,9	108,6
Flow rate	[m³/h]	0,64	1,02	1,36	1,70	2,04	0,68	1,29	1,61	1,93	2,25	1,15	1,83	2,76	3,65	4,67
Water resistance	[kPa]	0,79	2,45	2,62	2,70	2,77	10,13	14,40	9,76	10,12	10,35	6,75	9,35	9,89	15,37	12,00
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]	6,0	9,5	13,3	17,6	21,1	7,0	13,4	16,7	20,0	23,3	11,8	18,9	28,5	37,7	48,3
Flow rate	[m³/h]	0,30	0,40	0,60	0,75	0,91	0,30	0,58	0,72	0,86	1,00	0,51	0,81	1,23	1,62	2,08
Water resistance	[kPa]	1,06	0,57	0,63	0,62	0,61	1,38	1,98	1,35	1,26	1,24	1,19	1,51	1,59	2,22	1,94
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]	10,0	16,8	22,5	28,6	35,0	10,5	19,9	25,5	31,5	37,6	15,4	26,2	38,9	57,8	65,3
Air discharge temperature	[°C]	39,5	40,4	40,1	41,0	41,3	39,3	39,0	39,6	40,0	40,7	36,7	37,8	37,5	40,0	37,4
Flow rate	[m³/h]	0,40	0,70	1,00	1,30	1,50	0,50	0,90	1,10	1,40	1,60	0,70	1,10	1,70	2,50	2,80
Water resistance	[kPa]	2,63	3,24	2,36	2,61	2,80	3,01	4,35	2,93	3,08	3,17	1,90	2,80	2,96	4,83	3,61
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]	9,3	14,9	19,9	24,9	29,8	9,9	19,0	23,6	28,3	32,9	16,8	26,7	40,4	53,5	68,4
Flow rate	[m³/h]	0,40	0,64	0,86	1,07	1,28	0,43	0,82	1,02	1,22	1,42	0,72	1,15	1,74	2,30	2,94
Water resistance	[kPa]	3,66	4,47	3,27	3,61	3,86	4,19	6,02	4,06	4,25	4,38	2,78	3,88	4,11	6,60	5,00
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]	7,3	12,4	16,6	21,2	25,8	7,8	14,6	18,7	23,4	27,7	11,3	19,3	28,7	42,8	48,2
Air discharge temperature	[°C]	34,3	35,0	35,1	35,5	35,7	34,0	34,0	34,4	35,0	35,3	32,2	33,0	33,0	35,0	32,8
Flow rate	[m³/h]	0,40	0,70	1,00	1,20	1,50	0,40	0,80	1,10	1,30	1,60	0,70	1,10	1,70	2,50	2,80
Water resistance	[kPa]	2,60	3,23	2,34	2,60	2,80	2,90	4,35	2,91	3,07	3,77	1,90	2,78	2,95	4,86	3,61
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
Electrical heater battery (three-stage, 400V, 3 Ph, 50 Hz)																
Level 1	[kW]	3,0	4,5	6,0	6,0	9,0	3,0	6,0	6,0	12,0	12,0	6,0	9,0	12,0	12,0	12,0
Level 2	[kW]	6,0	9,0	12,0	18,0	18,0	9,0	12,0	18,0	18,0	24,0	12,0	18,0	24,0	24,0	24,0
Level 3	[kW]	9,0	13,0	18,9	24,0	27,0	12,0	18,0	24,0	30,0	36,0	18,0	27,0	36,0	36,0	36,0
Max. dt.	[K]	17	15	16	17	16	21	17	18	18	19	19	18	16	12	10

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