

Technical data

Range		Saphir 1			Saphir 2			Saphir 3		
Overall height	[cm]	220	250	300	220	250	300	220	250	300
Diameter 3-wings	[m]	3,6			4,8			6,0		
Max. air discharge speed	[m/s]	9,0			11,2			12,5		
Nominal flow rate	[m³/h]	3.100	4.200	5.250	4.200	5.250	6.300	5.250	6.300	7.450
Actual flow rate	[m³/h]	2.250	3.000	3.750	3.000	3.750	4.500	3.750	4.500	5.250
Max. noise level	[dB(A)]	55	57	59	56	58	59	57	59	60
Weight	[kg]	70	80	110	80	90	120	90	100	130
Electrical data										
AC technology		(Maximum output data to determine conductor dimensions. Electrical output data are lower during operation of the device)								
Voltage	[V]	230			230			230		
Output	[kW]	0,69	0,92	1,15	0,92	1,15	1,38	1,15	1,38	1,61
Power consumption	[A]	3,15	4,20	5,25	4,20	5,25	6,30	5,25	6,30	7,35
EC technology		(Maximum output data to determine conductor dimensions. Electrical output data are lower during operation of the device)								
Voltage	[V]	230			230			230		
Output	[kW]	0,50	0,66	0,83	0,66	0,83	0,99	0,83	0,99	1,16
Power consumption	[A]	3,60	4,80	6,00	4,80	6,00	7,20	6,00	7,20	8,40
Technical data of heater battery										
LTHW 70/50 at air intake temperature 18°C and air discharge temperature 37°C										
Heat output	[kW]	15,6	20,8	26,1	20,8	26,1	31,3	26,1	31,3	36,5
Flow rate	[m³/h]	0,67	0,90	1,12	0,90	1,12	1,34	1,12	1,34	1,57
Water resistance	[kPa]	6,60	5,23	4,26	9,09	7,30	9,51	11,52	13,36	11,22
LTHW 60/40 at air intake temperature 20°C and maximum air discharge temperature										
Heat output	[kW]	12,9	17,1	21,2	15,4	19,6	23,8	17,6	23,9	26,1
Air discharge temperature	[°C]	34,9	34,8	34,6	33,2	33,5	33,5	31,9	31,5	32,6
Flow rate	[m³/h]	0,60	0,70	0,90	0,70	0,90	1,00	0,80	1,00	1,10
Water resistance	[kPa]	3,86	4,28	4,56	5,29	5,77	5,56	6,68	7,76	6,55
Pipe connections										
Flow/return flow	[Zoll]	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Electrical heater (three-step, 400 V, 3 Ph, 50 Hz)										
Step 1	[kW]	6,0	6,0	8,0	6,0	8,0	8,0	8,0	8,0	8,0
Step 2	[kW]	9,0	12,0	16,0	12,0	16,0	16,0	16,0	16,0	16,0
Step 3	[kW]	15,0	18,0	24,0	18,0	24,0	24,0	24,0	24,0	24,0
Δt max.	[K]	18,6	16,7	17,9	16,7	17,9	14,9	17,9	14,9	12,8
Dimensions										
With base plate (B + 8 mm)										
Height "B"	[mm]	2.200	2.500	3.000	2.200	2.500	3.000	2.200	2.500	3.000
Width	[mm]	600	600	600	600	600	600	600	600	600
Depth	[mm]	240	240	240	240	240	240	240	240	240
With adjustable feet (B + 20 mm)										
Height "B"	[mm]	2.200	2.500	3.000	2.200	2.500	3.000	2.200	2.500	3.000
Width	[mm]	600	600	600	600	600	600	600	600	600
Depth	[mm]	240	240	240	240	240	240	240	240	240



Dimensions

