Sintra

The Sintra air curtains are in principle identical in construction to Topas. They are used specifically for curved sliding doors.

Performance category		Sintra 1			Sintra 2			Sintra 3		
Unit height		220	250	300	220	250	300	220	250	300
Weights										
	[kg]	70	80	110	80	90	120	90	100	130
Unit measurements										
Height (plus 8 mm for the base plate, plus 20 mm for adjustable feet)	[mm]	2200	2500	3000	2200	2500	3000	2200	2500	3000
Width	[mm]	625	625	625	625	625	625	625	625	625
Depth	[mm]	247	247	247	247	247	247	247	247	247
Electrical data 230 V										
AC technology										
Output	[kW]	0,69	0,92	1,15	0,92	1,15	1,38	1,15	1,38	1,61
Power consumption	[A]	3,00	4,00	5,00	4,00	5,00	6,00	5,00	6,00	7,00
EC technology										
Output	[kW]	0,51	0,68	0,85	0,68	0,85	1,01	0,85	1,01	1,16
Power consumption	[A]	3,60	4,80	6,00	4,80	6,00	7,20	6,00	7,20	8,40

Performance category		Sintra 1			Sintra 2			Sintra 3		
Unit height		220	250	300	220	250	300	220	250	300
Performance data										
Max. recommended door width	[m]		1,80			2,20			2,40	
Max. nominal flow rate	[m³/h]	3100	4200	5250	4200	5250	6300	5250	6300	7450
Max. effective flow rate*	[m³/h]	2250	3000	3750	3200	4000	4800	3800	4550	5300
Average air discharge speed*	[m/s]		9,0			14,2			15,6	
Sound pressure level at a distance of 3 metres to the sound source										
Max. operating level	dB(A)	57,0	58,0	60,0	58,0	60,0	62,0	60,0	61,0	62,0
Average operating level	dB(A)	46,6	47,6	49,6	47,6	49,6	51,6	50,7	51,7	52,7
Minimum operating level	dB(A)	36,6	37,6	39,6	37,6	39,6	41,6	40,7	41,7	42,7
Technical data of heater battery										
LTHW 70/50 at an air intake temperature of 20°C and air discharge temperature of 35°C										
Heat output	[kW]	12,3	16,5	20,6	17,6	21,9	26,3	20,8	25,0	29,1
Flow rate	[m³/h]	0,53	0,71	0,88	0,75	0,94	1,13	0,90	1,07	1,25
Water resistance	[kPa]	3,12	3,45	3,68	5,22	5,85	5,98	7,36	6,66	6,60
LTHW 70/50 at an air intake temperature of 18°C and air discharge temperature of 35°C										
Heat output	[kW]	14,0	18,6	23,3	19,9	24,9	29,8	23,6	28,3	32,9
Flow rate	[m³/h]	0,60	0,80	1,00	0,86	1,07	1,28	1,02	1,22	1,42
Water resistance	[kPa]	4,00	4,41	5,10	6,80	7,05	7,20	9,40	9,28	9,00
LTHW 70/50 at an air intake temperature of 15°C and air discharge temperature of 35°C										
Heat output	[kW]	16,5	21,9	27,4	23,4	29,3	35,1	27,8	33,3	38,8
Flow rate	[m³/h]	0,71	0,94	1,18	1,01	1,26	1,51	1,19	1,43	1,67
Water resistance	[kPa]	5,40	5,98	7,17	10,00	9,34	9,54	12,00	11,24	11,70
LTHW 60/40 at an air intake temperature of 20°C and max. air discharge temperature										
Heat output	[kW]	11,9	15,8	19,7	14,7	18,8	23,7	16,3	20,3	24,3
Air discharge temperature	[°C]	35,70	35,60	35,50	33,70	34,00	34,60	32,80	33,30	33,60
Flow rate	[m³/h]	0,5	0,7	0,9	0,6	0,8	1,0	0,7	0,9	1,1
Water resistance	[kPa]	3,35	3,72	3,99	4,89	5,09	5,53	5,90	5,83	5,79
LTHW 50/40 at an air intake temperature of 20°C and max. air discharge temperature										
Heat output	[kW]	10,6	14,0	17,5	13,2	16,8	21,1	14,7	18,2	21,7
Air discharge temperature	[°C]	34,00	33,90	33,80	32,30	32,50	33,00	31,50	31,90	32,10
Flow rate	[m³/h]	0,9	1,2	1,5	1,1	1,5	1,8	1,3	1,6	1,9
Water resistance	[kPa]	9,45	10,45	11,18	13,90	14,41	15,59	16,80	16,56	16,40
LTHW 45/35 at an air intake temperature of 20°C and max. air discharge temperature										
Heat output	[kW]	8,2	10,8	13,5	10,2	13,0	16,3	11,3	14,4	16,8
Air discharge temperature	[°C]	31,00	30,75	30,70	29,50	29,70	30,00	28,90	29,20	29,40
Flow rate	[m³/h]	0,7	0,9	1,2	0,9	1,1	1,4	1,0	1,2	1,5
Water resistance	[kPa]	6,12	6,80	7,27	8,99	9,33	10,12	10,84	10,71	10,62
LTHW 40/30 at an air intake temperature of 20°C and max. air discharge temperature										
Heat output	[kW]	5,7	7,6	9,5	7,0	9,0	11,4	7,9	9,8	11,7
Air discharge temperature	[°C]	27,50	27,50	27,50	26,60	26,70	27,00	26,15	26,40	26,50
Flow rate	[m³/h]	0,5	0,7	0,8	0,6	0,8	1,0	0,7	0,8	1,0
Water resistance	[kPa]	3,30	3,68	3,96	4,84	5,05	5,50	5,83	5,79	5,76
Pipe connections										
Flow/return flow	[inches]	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]	6,0	6,0	8,0	6,0	8,0	8,0	8,0	8,0	8,0
Level 2	[kW]	9,0	12,0	16,0	12,0	16,0	16,0	16,0	16,0	16,0
Level 3	[kW]	15,0	18,0	24,0	18,0	24,0	24,0	24,0	24,0	24,0
Max. dt.	[K]	18,6	16,7	17,9	15,7	16,7	14,0	17,6	14,7	12,6

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