

C-Series

Future-oriented technology, high quality and good workmanship combined with maximum flexibility make the C-Series a reliable all-rounder for every situation.



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.

Performance category	C-Series 1					C-Series 2				
Length of the unit	100	150	200	250	300	100	150	200	250	300
Weights										
S/ZS version [kg]	46	65	84	103	122	46	69	88	107	126
U version [kg]	55	77	98	120	141	55	81	102	124	145
Z version [kg]	60	84	107	131	155	60	88	111	135	159
Unit measurements										
Width [mm]	1000	1500	2000	2500	3000	1000	1500	2000	2500	3000
Depth of S/ZS model [mm]	560	560	560	560	560	560	560	560	560	560
Depth of U/Z model [mm]	840	840	840	840	840	840	840	840	840	840
Height of S/U model [mm]	290	290	290	290	290	290	290	290	290	290
Height of Z/ZS model [mm]	370	370	370	370	370	370	370	370	370	370

Electrical data 230 V										
AC technology										
Output [kW]	0,46	0,69	0,98	1,15	1,38	0,46	0,92	1,05	1,38	1,61
Power consumption [A]	2,00	3,00	4,27	5,00	6,00	2,00	4,00	4,57	6,00	7,00
EC technology										
Output [kW]	0,33	0,50	0,66	0,83	0,99	0,33	0,66	0,83	0,99	1,16
Power consumption [A]	2,40	3,60	4,80	6,00	7,20	2,40	4,80	6,00	7,20	8,40

Performance category	C-Series 1					C-Series 2				
Length of the unit	100	150	200	250	300	100	150	200	250	300
Performance data										
Max. recommended installation height [m]	2,80					3,30				
Max. nominal flow rate [m³/h]	1960	2940	3920	4900	5880	1960	3920	4900	5880	6860
Max. effective flow rate* [m³/h]	1500	2350	3150	3900	4700	1600	2950	3700	4500	5250
Average air discharge speed* [m/s]	14					15,5				
Sound pressure level at a distance of 3 metres to the sound source (anechoic chamber)										
Max. operating level dB(A)	56,5	57,5	59,5	61,5	64,5	58,0	58,5	61,5	63,5	64,5
Average operating level dB(A)	48,0	49,0	50,5	53,0	54,0	50,0	51,0	53,5	56,0	57,0
Minimum operating level dB(A)	38,0	39,0	40,5	43,0	44,0	39,0	40,0	42,5	45,0	46,0
Sound power level*										
Max. operating level dB(A)	74,0	75,0	77,0	79,0	82,0	75,5	76,0	79,0	81,0	82,0
Average operating level dB(A)	65,5	66,5	68,0	70,5	71,5	67,5	68,5	71,0	73,5	74,5
Minimum operating level dB(A)	55,5	56,5	58,0	60,5	61,5	56,5	57,5	60,0	62,5	63,5
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	12,9	17,3	21,4	25,8	8,8	16,2	20,3	24,7	28,8
Flow rate [m³/h]	0,35	0,55	0,74	0,92	1,11	0,38	0,70	0,87	1,06	1,24
Water resistance [kPa]	1,00	1,14	1,66	2,07	3,42	1,07	1,66	2,24	2,64	4,18
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	17,2	23,0	28,5	34,4	11,7	21,6	27,1	32,9	38,4
Flow rate [m³/h]	0,47	0,74	0,99	1,23	1,48	0,50	0,93	1,16	1,41	1,65
Water resistance [kPa]	2,11	2,54	4,11	5,51	9,78	2,27	3,31	4,94	6,53	11,17
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	23,2	31,1	38,5	46,4	15,8	29,1	36,5	44,4	51,8
Flow rate [m³/h]	0,64	1,00	1,34	1,66	1,99	0,68	1,25	1,57	1,91	2,23
Water resistance [kPa]	3,24	3,87	6,18	8,25	14,54	3,50	5,05	7,49	9,79	16,62
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]	6,6	10,3	13,8	17,1	20,6	7,0	12,9	16,2	19,7	23,0
Flow rate [m³/h]	0,28	0,44	0,59	0,74	0,89	0,30	0,56	0,70	0,85	0,99
Water resistance [kPa]	0,68	0,81	1,12	1,40	2,53	0,74	1,14	1,49	1,81	2,92
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]	6,8	11,6	16,9	21,9	27,8	7,0	13,5	18,8	24,1	29,9
Air discharge temperature [°C]	33,2	34,5	35,7	36,5	37,3	33,0	33,4	34,9	35,7	36,7
Flow rate [m³/h]	0,30	0,54	0,70	1,00	1,20	0,30	0,60	0,80	1,10	1,30
Water resistance [kPa]	0,79	1,01	1,73	2,38	4,38	0,85	1,31	2,08	2,82	4,99
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]	8,5**	14,6	19,6	24,2	29,2	8,87**	18,3	23,0	28,0	32,6
Flow rate [m³/h]	0,40	0,63	0,84	1,04	1,26	0,40	0,79	0,99	1,20	1,40
Water resistance [kPa]	1,18	1,47	2,45	3,35	6,07	1,27	1,91	2,96	3,96	6,92
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]	4,8	8,4	12,3	16,1	20,5	5,0	9,8	13,7	17,7	22,1
Air discharge temperature [°C]	29,0	30,4	31,5	32,0	32,8	29,2	30,0	30,8	31,5	32,3
Flow rate [m³/h]	0,30	0,50	0,70	0,90	1,20	0,30	0,40	0,80	1,00	1,30
Water resistance [kPa]	0,74	0,97	1,69	2,36	4,38	0,80	0,77	2,05	2,79	4,99
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
Electrical heater battery (three-stage, 400V, 3 Ph, 50 Hz)										
Level 1	3,0	4,5	6,0	6,0	9,0	3,0	6,0	6,0	9,0	12,0
Level 2	6,0	9,0	12,0	18,0	18,0	9,0	12,0	18,0	18,0	24,0
Level 3	9,0	13,0	18,0	24,0	27,0	12,0	18,0	24,0	27,0	36,0
Max. dt. [K]	17	15	16	17	16	21	17	18	17	19

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

** The maximum air discharge temperature is approx. 30 °C