

DC condensing dehumidifiers



DC 200

Technical data		DC 75	DC 100	DC 150	DC 200
Dehumidification capacity at 30°C – 80% RH	l/24h	73.0	95.2	157.1	194.3
Dehumidification capacity at 20°C – 60% RH	l/24h	34.5	50.2	66.0	90.6
Dehumidification capacity at 10°C – 70% RH	l/24h	26.6	33.7	43.9	60.7
Air circulation	m ³ /h	800	1,000	1,500	1,800
Nominal power consumption ¹⁾	kW	1.59	1.83	2.22	2.84
Maximum current consumption ²⁾	A	7.1	8.1	12.6	15.5
Compression available (higher compression optional)	Pa	50–150			
Operating range – humidity	% RH	40–99			
Operating range – temperature	°C	5–36			
Voltage supply	V/Ph/Hz	230/1/50			
Sound pressure levels ³⁾	dB(A)	52	54	60	62
Refrigerant / fill volume	Type/g	R410A / 550		R410A / 1100	
Total of CO ₂ equivalent ⁴⁾	t-CO ₂ e	1.15	1.15	2.30	2.30
Dimensions (H x W x D)	mm	800 x 819 x 400		981 x 1,055 x 554	
Weight	kg	85	90	130	135

Technical data		DC 270	DC 350	DC 450	DC 550	DC 750	DC 950
Dehumidification capacity at 30°C – 80% RH	l/24h	263.1	340.2	418.8	566.8	751.1	939.3
Dehumidification capacity at 20°C – 60% RH	l/24h	111.4	168.5	223.9	267.1	391.0	501.0
Dehumidification capacity at 10°C – 70% RH	l/24h	75.7	118.3	160.9	180.2	269.8	349.6
Air circulation	m ³ /h	3,500	4,200		5,500	7,000	8,500
Nominal power consumption ¹⁾	kW	4.09	5.40	8.33	9.38	13.90	18.39
Maximum current consumption ²⁾	A	10.4	12.8	17.0	19.4	28.2	34.8
Compression available (higher compression optional)	Pa	50–150					
Operating range – humidity	% RH	40–99					
Operational range – temperature	°C	5–36					
Voltage supply	V/Ph/Hz	400/3/50					
Sound pressure levels ³⁾	dB(A)	63	64	64	66	66	66
Refrigerant / fill volume	Type/g	R410A/3,000	R410A/2,500		R410A/6,300	R410A/6,600	R410A/7,000
Total of CO ₂ equivalent ⁴⁾	t-CO ₂ e	6.26	5.22	5.22	13.16	13.78	14.62
Internal unit dimensions (H x W x D)	mm	1,378 x 1,154 x 704			1,750 x 1,504 x 854		
Weight	kg	207	211	215	415	423	430

1) at tR = 30°C; humidity = 80% RH

2) full load current; FLA = full load amperage

3) laboratory values in 1 m free field according to ISO 9614, actual values may differ

4) R410A global warming potential (GWP) = 2,088 CO₂e



Condair DC-W wall-mounted condensing dehumidifiers



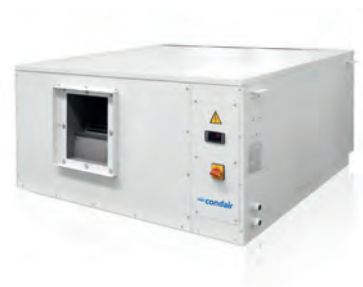
Technical data		DC 50W	DC 75W	DC 100W	DC 150W	DC 200W
Dehumidification capacity at 30°C – 80%	l/24h	49.0	73.0	95.0	155.0	190.0
Dehumidification capacity at 20°C – 60%	l/24h	25.6	39.2	50.3	68.2	90.9
Dehumidification capacity at 10°C – 70%	l/24h	17.3	26.6	33.7	44.3	60.9
Air circulation	m ³ /h	500	800	1,000	1,400	1,650
Compression available	Pa	40				
Nominal power consumption ¹⁾	kW	0.9	1.2	1.6	1.9	2.5
Maximum current consumption ²⁾	A	3.9	8.3	11.5	13.4	17.0
Temperature/humidity operating range	C° / % RH	5–36°C / 40–99% RH				
Voltage supply	V/Ph/Hz	230/1/50				
Sound pressure levels ³⁾	dB(A)	47	50	50	52	54
Refrigerant / fill volume	Type/g	R410A / 470	R410A / 600	R410A / 700	R410A / 1,200	
Total of CO ₂ equivalent ⁴⁾	t-CO ₂ e	0.98	1.25	1.46	2.51	
Dimensions (H x W x D)	mm	750 x 835 x 260	751 x 1,134 x 260		840 x 1,384 x 310	
Weight	kg	50	71	75	99	102

Condair DC-R rear wall-mounted condensing dehumidifiers



Technical data		DC 50R	DC 75R	DC 100R	DC 150R	DC 200R
Dehumidification capacity at 30°C – 80%	l/24h	49.0	73.0	95.0	155.0	190.0
Dehumidification capacity at 20°C – 60%	l/24h	25.6	39.2	50.3	68.2	90.9
Dehumidification capacity at 10°C – 70%	l/24h	17.3	26.6	33.7	44.3	60.9
Air circulation	m ³ /h	500	800	1,000	1,400	1,650
Compression available	Pa	40				
Nominal power consumption ¹⁾	kW	0.9	1.2	1.6	1.9	2.5
Maximum current consumption ²⁾	A	3.9	8.3	11.5	13.4	17.0
Temperature/humidity operating range	C° / % RH	5–36°C / 40–99% RH				
Voltage supply	V/Ph/Hz	230/1/50				
Sound pressure levels ³⁾	dB(A)	47	50	50	52	54
Refrigerant / fill volume	Type/g	R410A / 470	R410A / 600	R410A / 700	R410A / 1,200	
Total of CO ₂ equivalent ⁴⁾	t-CO ₂ e	0.98	1.25	1.46	2.51	
Dimensions (H x W x D)	mm	680 x 695 x 252	681 x 1,006 x 253		770 x 1,255 x 300	
Weight	kg	41	57	61	82	87

Condair DC-C ceiling-mounted condensing dehumidifiers



Technical data		DC 50C	DC 75C	DC 100C	DC 150C	DC 200C
Dehumidification capacity at 30°C – 80%	l/24h	49.0	73.0	95.0	155.0	190.0
Dehumidification capacity at 20°C – 60%	l/24h	25.6	39.2	50.2	62.8	87.1
Dehumidification capacity at 10°C – 70%	l/24h	17.3	26.6	33.7	44.3	60.9
Air circulation	m ³ /h	500	800	1,000	1,400	1,650
Compression available (higher compression optional)	Pa	150				
Nominal power consumption ¹⁾	kW	0.97	1.29	1.76	2.07	2.74
Maximum current consumption ²⁾	A	3.9	6.1	9.3	12.0	15.7
Temperature/humidity operating range	C° / % RH	5–36°C / 40–99% RH				
Voltage supply	V/Ph/Hz	230/1/50				
Sound pressure levels ³⁾	dB(A)	50	52	54	59.5	61.5
Refrigerant / fill volume	Type/g	R410A / 360	R410A / 600	R410A / 900	R410A / 1,200	
Total of CO ₂ equivalent ⁴⁾	t-CO ₂ e	0.75	1.25	1.88	2.51	
Dimensions (H x W x D)	mm	360 x 710 x 700	460 x 900 x 980		530 x 1,050 x 1,160	
Weight	kg	63	95	122	131	140

1) at tR = 30°C; humidity = 80% RH

2) full load current; FLA = full load amperage

3) laboratory values in 1 m free field according to ISO 9614, actual values may differ

4) R410A global warming potential (GWP) = 2,088 CO₂e

Condair DC-N condensing dehumidifiers with remote heat dissipation



Technical data / Dehumidifier		DC 270N	DC 350N	DC 450N	DC 550N	DC 750N	DC 950N
Dehumidification capacity at 30°C – 80%	l/24h	263.1	340.2	418.8	566.8	751.1	939.3
Dehumidification capacity at 20°C – 60%	l/24h	111.4	168.5	223.9	267.1	391.0	501.0
Dehumidification capacity at 10°C – 70%	l/24h	75.7	118.3	160.9	180.2	269.8	349.6
Air circulation	m ³ /h	3,500	4,200	4,200	5,500	7,000	8,500
Compression available (higher compression optional)	Pa	50–150					
Sensitive cooling capacity ¹⁾ (35°C outdoor air)	kW	4.48	5.91	7.2	8.8	12.45	15.5
Nominal power consumption ^{1) 5)}	kW	4.38	5.69	9.04	10.09	15.52	20.01
Maximum current consumption	A	11.0	14.0	18.2	25.6	34.4	44.1
Temperature/humidity operating range	C° / % RH	5–36°C / 40–99% RH					
Voltage supply	V/Ph/Hz	400/3/50					
Sound pressure levels ³⁾	dB(A)	63	64	64	66	66	66
Coolant	Type	R410A	R410A		R410A	R410A	R410A
Fill volume	g	3,000	2,500		9,000	8,000	8,000
Total of CO ₂ equivalent ⁴⁾	t-CO ₂ e	6.3	5.2	5.2	18.8	16.7	16.7
Dimensions (H x W x D)	mm	1,378 x 1,154 x 704			1,750 x 1,504 x 854		
Weight	kg	207	211	215	415	423	430

Technical data / Outdoor condenser		DC 270N	DC 350N	DC 450N	DC 550N	DC 750N	DC 950N
Voltage supply	V/Ph/Hz	230/1/50					
Number of fans		1			2		3
Air circulation	m ³ /h	7,519	7,095	6,714	15,040	14,190	21,280
Total power consumption of fan (nom.)	kW	0.71			1.42		2.13
Total current consumption of fan (nom.)	A	3.10			6.2		9.3
Inlet/outlet connection diameter	mm	22/20		35/28			42/35
Operating range — temperature	°C	10–40					
Protection class		IP 54					
Sound pressure levels ³⁾	dB(A)	49			52		54
Dimensions (H x W x D)	mm	828 x 1,115 x 520			828 x 2,015 x 520		828 x 2,915 x 520
Weight	kg	46	51	57	87	96	141

1) at tR = 30°C; humidity = 80% RH

2) full load current; FLA = full load amperage

3) laboratory values in 1 m free field according to ISO 9614, actual values may differ

4) R410A global warming potential (GWP) = 2,088 CO₂e

5) incl. outdoor condenser

Condair DC-LT condensing dehumidifiers for low temperatures



Technical data		DC 270LT	DC 350LT	DC 450LT
Dehumidification capacity at 30°C – 80% RH	l/24h	263.1	340.2	418.8
Dehumidification capacity at 20°C – 60% RH	l/24h	111.4	168.5	223.9
Dehumidification capacity at 10°C – 70% RH	l/24h	75.6	11.3	160.9
Dehumidification capacity at 5°C – 70% RH	l/24h	46.7	80.2	112.2
Air circulation	m ³ /h	3,500	4,200	4,200
Nominal power consumption ¹⁾	kW	4.09	5.4	8.33
Maximum current consumption ²⁾	A	10.4	12.8	17.0
Compression available (higher compression optional)	Pa	50–150		
Temperature/humidity operating range	°C / % RH	1–36°C / 40–99%		
Voltage supply	V/PH/Hz	400/3/50		
Sound pressure levels ³⁾	dB(A)	63	64	64
Refrigerant / fill volume	Type/g	6,000	5,000	5,000
Total of CO ₂ equivalent ⁴⁾	t-CO ₂ e	12.52	10.44	10.44
Dimensions (H x W x D)	mm	1,378 x 1,154 x 704		
Weight	kg	227	231	235

Technical data		DC 550LT	DC 750LT	DC 950LT
Dehumidification capacity at 30°C – 80% RH	l/24h	566.8	751.1	939.3
Dehumidification capacity at 20°C – 60% RH	l/24h	267.1	391	501
Dehumidification capacity at 10°C – 70% RH	l/24h	180.2	269.8	349.6
Dehumidification capacity at 5°C – 70% RH	l/24h	121.9	87.3	246.1
Air circulation	m ³ /h	5,500	7,000	8,500
Nominal power consumption ¹⁾	kW	9.38	13.90	18.39
Maximum current consumption ²⁾	A	19.4	28.2	34.8
Compression available (higher compression optional)	Pa	50–150		
Temperature/humidity operating range	°C / % RH	1–36°C / 40–99%		
Voltage supply	V/PH/Hz	400/3/50		
Sound pressure levels ³⁾	dB(A)	66	66	66
Refrigerant / fill volume	Type/g	13,500	14,000	15,500
Total of CO ₂ equivalent ⁴⁾	t-CO ₂ e	28.18	29.23	32.36
Dimensions (H x W x D)	mm	1,750 x 1,504 x 854		
Weight	kg	435	443	450

Technical details correct at time of publishing.
Specification may vary from those shown.

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