

WALL-MOUNTED Condair DP-W



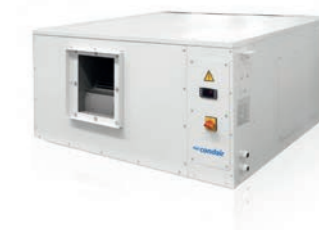
Technical Data		DP 50-W	DP 75-W	DP 100-W	DP 150-W	DP 200-W
Dehumidification capacity at 30°C – 80%	l/24h	49	73	95	155	190
Dehumidification capacity at 30°C – 60%	l/24h	39	56.7	77.4	118.3	146.7
Dehumidification capacity at 28°C – 60%	l/24h	35.9	51.6	1.1	101.6	132.3
Dehumidification capacity at 26°C – 60%	l/24h	33.4	47.3	65.8	93.4	121.3
Air circulation	m ³ /h	500	800	1000	1400	1650
Compression available (higher compression optional)	Pa	40				
Nominal power consumption ⁽¹⁾⁽⁶⁾	kW	0.9	1.2	1.6	1.9	2.5
Maximum power consumption ⁽²⁾⁽⁶⁾	kW	1.2	1.5	2	2.3	3.1
Power output of electrical heater (optional)	kW	3			6	
Maximum current consumption	A	3.9	5.6	8.4	10.5	13.2
PWW heater ⁽⁴⁾	kW	3.5	7	7	11.5	11.8
Humidity/temp. operating range	% RH	50–99% RH / 20–36°C				
Voltage supply	V/Ph/Hz	230/1/50				
Sound pressure level ⁽³⁾	dB(A)	47	50	50	52	54
Refrigerant/volume	Type / g	R410A / 470	R410A / 600	R410A / 700	R410A / 1200	
Total of CO ₂ equivalent ⁽¹⁰⁾	t-CO ₂ e	0.98	1.25	1.46	2.51	
Dimensions (H x W x D)	mm	750 x 835 x 260	750 x 1135 x 260		840 x 1384 x 310	
Weight	kg	50	64	68	99	102



INSTALLATION BEHIND PARTITION Condair DP-R

Technical Data		DP 50-R	DP 75-R	DP 100-R	DP 150-R	DP 200-R
Dehumidification capacity at 30°C – 80%	l/24h	49	73	95	155	190
Dehumidification capacity at 30°C – 60%	l/24h	39	56.7	77.4	118.3	146.7
Dehumidification capacity at 28°C – 60%	l/24h	35.9	51.6	1.1	101.6	132.3
Dehumidification capacity at 26°C – 60%	l/24h	33.4	47.3	65.8	93.4	121.3
Air circulation	m ³ /h	500	800	1000	1400	1650
Compression available (higher compression optional)	Pa	40				
Nominal power consumption ⁽¹⁾⁽⁶⁾	kW	0.9	1.2	1.6	1.9	2.5
Maximum power consumption ⁽²⁾⁽⁶⁾	kW	1.2	1.5	2	2.3	3.1
Power output of electrical heater (optional)	kW	3			6	
Maximum current consumption	A	3.9	5.6	8.4	10.5	13.2
PWW heater ⁽⁴⁾	kW	3.5	7	7	11.5	11.8
Humidity/temp. operating range	% RH	50–99% RH / 20–36°C				
Voltage supply	V/Ph/Hz	230/1/50				
Sound pressure level ⁽³⁾	dB(A)	47	50	50	52	54
Refrigerant/volume	Type / g	R410A / 470	R410A / 600	R410A / 700	R410A / 1200	
Total of CO ₂ equivalent ⁽¹⁰⁾	t-CO ₂ e	0.98	1.25	1.46	2.51	
Dimensions (H x W x D)	mm	680 x 706 x 250	680 x 1006 x 250		770 x 1255 x 300	
Weight	kg	41	57	61	82	87

CEILING-MOUNTED Condair DP-C



Technical Data		DP 50-C	DP 75-C	DP 100-C	DP 150-C	DP 200-C
Dehumidification capacity at 30°C – 80%	l/24h	49	73	95	155	190
Dehumidification capacity at 30°C – 60%	l/24h	39	56.7	77.4	118.3	146.7
Dehumidification capacity at 28°C – 60%	l/24h	36	51.6	71.1	101.6	132.3
Dehumidification capacity at 26°C – 60%	l/24h	33.5	47.3	65.8	93.4	121.3
Air circulation	m ³ /h	500	800	1000	1400	1650
Compression available (higher compression optional)	Pa	50–150				
Nominal power consumption ⁽¹⁾⁽⁶⁾	kW	0.97	1.29	1.76	2.07	2.74
Maximum power consumption ⁽²⁾⁽⁶⁾	kW	1.2	1.5	2	2.3	3.1
Power output of electrical heater (optional)	kW	3			6	
Maximum current consumption	A	3.9	5.6	8.4	10.5	13.2
PWW heater ⁽⁴⁾	kW	3.5	7.5	8.5	13	14
Partial heat recovery unit ⁽⁵⁾	kW	--	1.1	1.7	2.3	3
Humidity/temp. operating range	% RH	50–99% RH / 20–36°C				
Voltage supply	V/Ph/Hz	230/1/50				
Sound pressure level ⁽³⁾	dB(A)	50	52	54	59.5	61.5
Refrigerant/volume	Type / g	R410A / 470	R410A / 600		R410A / 900	R410A / 1200
Total of CO ₂ equivalent ⁽¹⁰⁾	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		560 x 1050 x 1160	
Weight	kg	63	95	122	131	140

(1) at t_a = 30°C; relative humidity = 80% r.H.
 (2) at t_a = 35°C; relative humidity = 75% r.H.
 (3) Laboratory values in 1 m in the open air in accordance with ISO 9614.

actual values may vary
 (4) at t_a = 30°C; water temperature 80/70°C, compressor in standby
 (5) at t_a = 30°C; relative humidity = 80%; water temperature 27/32°C
 (6) without electrical heater coil

(7) sound power level compliant with ISO 9614
 (8) without outside air attachment
 (9) incl. 30% outside air attachment (-5°C, 80% r.H.)
 (10) R410A global warming potential (GWP) = 2088 CO₂e

MAIN UNIT

Condair DP



Technical Data		DP 75	DP 100	DP 150	DP 200
Dehumidification capacity at 30°C – 80%	l/24h	73	95.2	157.1	194.3
Dehumidification capacity at 30°C – 60%	l/24h	56.6	76.5	111	145.3
Dehumidification capacity at 28°C – 60%	l/24h	51.6	71.1	103	133.5
Dehumidification capacity at 26°C – 60%	l/24h	47.3	65.8	92.6	123.3
Air circulation	m³/h	800	1000	1500	1800
Compression available (higher compression optional)	Pa	50–150			
Nominal power consumption ⁽¹⁾⁽⁶⁾	kW	1.4	1.82	2.27	2.9
Maximum power consumption ⁽²⁾⁽⁶⁾	kW	1.59	2.05	2.68	3.44
Power output of electrical heater (optional)	kW	3		6	
Maximum current consumption	A	7.8	9.1	12.4	15.7
PWW heater ⁽⁴⁾	kW	7.5	8.5	13.9	15.2
Partial heat recovery unit ⁽⁵⁾	kW	1.1	1.7	2.3	3
Humidity/temp. operating range	% RH	50–99% RH / 20–36°C			
Voltage supply	V/Ph/Hz	230/1/50			
Sound pressure level ⁽³⁾	dB(A)	52	54	60	62
Refrigerant/volume	Type / g	R410A / 550		R410A / 1100	
Total of CO ₂ equivalent ⁽¹⁰⁾	t-CO ₂ e	1.15		2.3	
Dimensions (H x W x D)	mm	800 x 800 x 400		1000 x 1060 x 550	
Weight	kg	85	90	130	135

Technical Data		DP 270	DP 350	DP 450	DP 550	DP 750	DP 950
Dehumidification capacity at 30°C – 80%	l/24h	263.1	340.2	418.8	566.8	751.1	939.3
Dehumidification capacity at 30°C – 60%	l/24h	185.1	262.3	336.3	425	596.4	759.7
Dehumidification capacity at 28°C – 60%	l/24h	168.9	242.9	313.5	392.6	554.7	706.7
Dehumidification capacity at 26°C – 60%	l/24h	153.4	223.9	290.8	359.6	513.5	654.6
Air circulation	m³/h	3500	4200		5500	7000	8500
Compression available (higher compression optional)	Pa	50–150					
Nominal power consumption ⁽¹⁾⁽⁶⁾	kW	5.18	6.49	9.42	10.1	12.88	19.6
Maximum power consumption ⁽²⁾⁽⁶⁾	kW	6.6	7.99	9.85	13	16	21
Power output of electrical heater (optional)	kW	9			9/18		
Maximum current consumption	A	12	14.2	17.9	22	27	39
PWW heater ⁽⁴⁾	kW	22.8	24	24	42	49	56
Partial heat recovery unit ⁽⁵⁾	kW	1.8	2.2	2.7	3.5	-	-
Humidity/temp. operating range	% RH	50–99% RH / 20–36°C					
Voltage supply	V/Ph/Hz	400/3/50					
Sound pressure level ⁽³⁾	dB(A)	63	64		66		
Refrigerant/volume	Type / g	R410A / 3000	R410A / 2500		R410A / 9000	R410A / 8000	
Total of CO ₂ equivalent ⁽¹⁰⁾	t-CO ₂ e	6.26	5.22		18.79	16.7	
Dimensions (H x W x D)	mm	1378 x 1154 x 704			1750 x 1504 x 854		
Weight	kg	207	211	215	415	423	430

(1) at t_e = 30°C; relative humidity = 80% r.H.
 (2) at t_e = 35°C; relative humidity = 75% r.H.
 (3) Laboratory values in 1 m in the open air in accordance with ISO 9614.

actual values may vary
 (4) at t_e = 30°C; water temperature 80/70°C, compressor in standby
 (5) at t_e = 30°C; relative humidity = 80%; water temperature 27/32°C
 (6) without electrical heater coil

(7) sound power level compliant with ISO 9614
 (8) without outside air attachment
 (9) incl. 30% outside air attachment (-5°C, 80% r.H.)
 (10) R410A global warming potential (GWP) = 2088 CO₂e

HIGH-EFFICIENCY DEHUMIDIFIER

Condair DP-HE



Technical Data		DP 1500-HE	DP 2000-HE	DP 2800-HE	DP 3500-HE
Dehumidification capacity at 30°C–60% ⁽⁸⁾	l/24h	132.7	162.3	248.9	310.7
Dehumidification capacity at 30°C–60% ⁽⁹⁾	l/24h	223	290.9	444.8	552.2
Dehumidification capacity at 28°C–60% ⁽⁸⁾	l/24h	123.4	152	232.2	290
Dehumidification capacity at 28°C–60% ⁽⁹⁾	l/24h	236.3	309.8	472.9	575.7
Dehumidification capacity at 26°C–60% ⁽⁸⁾	l/24h	114.4	140.8	218.3	270.2
Dehumidification capacity at 26°C–60% ⁽⁹⁾	l/24h	212.1	276.9	423.2	525.4
Air circulation	m³/h	1500	2000	2800	3500
Compression available	Pa	200			
Fresh air available max.	m³/h	450	600	845	1050
Nominal power consumption ⁽¹⁾	kW	1.97	2.54	3.44	5.27
Maximum current consumption	A	6.8	9.4	12.7	17.7
PWW heater ⁽⁴⁾	kW	18	23	28	33
Voltage supply	V/Ph/Hz	400/3/50			
Sound pressure level ⁽³⁾	dB(A)	63	63	66	66
Refrigerant/volume	Type / g	R410A / 1600		R410A / 2500	R410A / 3000
Total of CO ₂ equivalent ⁽¹⁰⁾	t-CO ₂ e	3.34	3.34	5.22	6.26
Dimensions (H x W x D)	mm	1770 x 1000 x 640		1850 x 1500 x 750	
Weight	kg	290	305	400	420

Technical Data		DP 4200-HE	DP 5200-HE	DP 6000-HE
Dehumidification capacity at 30°C–60% ⁽⁸⁾	l/24h	376	464.4	565.2
Dehumidification capacity at 30°C–60% ⁽⁹⁾	l/24h	587.5	746.4	907.5
Dehumidification capacity at 28°C–60% ⁽⁸⁾	l/24h	350.4	434.1	527.2
Dehumidification capacity at 28°C–60% ⁽⁹⁾	l/24h	618.9	766.5	930.2
Dehumidification capacity at 26°C–60% ⁽⁸⁾	l/24h	325.8	407.8	492.4
Dehumidification capacity at 26°C–60% ⁽⁹⁾	l/24h	545.8	681	822.2
Air circulation	m³/h	4200	5200	6000
Compression available	Pa	200		
Fresh air available max.	m³/h	1260	1560	1800
Nominal power consumption ⁽¹⁾	kW	5.86	7.74	9.94
Maximum current consumption	A	18.5	20.9	25.8
PWW heater ⁽⁴⁾	kW	53	64	70
Voltage supply	V/Ph/Hz	400/3/50		
Sound pressure level ⁽³⁾	dB(A)	68	69	
Refrigerant/volume	Type / g	R410A / 5000		
Total of CO ₂ equivalent ⁽¹⁰⁾	t-CO ₂ e	10.44		
Dimensions (H x W x D)	mm	1950 x 1950 x 1250		
Weight	kg	570	590	620

(1) at t_e = 30°C; relative humidity = 80% r.H.
 (2) at t_e = 35°C; relative humidity = 75% r.H.
 (3) Laboratory values in 1 m in the open air in accordance with ISO 9614.

actual values may vary
 (4) at t_e = 30°C; water temperature 80/70°C, compressor in standby
 (5) at t_e = 30°C; relative humidity = 80%; water temperature 27/32°C
 (6) without electrical heater coil

(7) sound power level compliant with ISO 9614
 (8) without outside air attachment
 (9) incl. 30% outside air attachment (-5°C, 80% r.H.)
 (10) R410A global warming potential (GWP) = 2088 CO₂e