



CDP Dehumidifiers

Wall mounted, floor standing or through the wall

Certikin

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The CDP range of dehumidifiers are the ideal choice for humidity control in an indoor swimming pool. They have been developed with a focus on quality, functionality and energy saving. Highly efficient fans and compressors, combined with a new advanced remote control option contribute to cost-efficient operation and significant energy savings.

Features

- Low sound level
- Low energy consumption
- Evaporator and condenser coils are epoxy coated
- Metal parts are powder coated before assembly
- Integrated control of heating and humidity (ON/OFF)
- Building Management System (BMS) communication (Modbus)
- USB gate
- Direct connection of 230V on external box

Optional accessories

- Wireless remote control DRC1
- Floor mounting kit
- LPHW air heating coil
- Control valve for LPHW air heating coil
- Electric heating coil
- Through-wall duct kit with filter, extension kit and alu grill
- Duct lead-in adapter

Applications

- Indoor pools
- Therapy pools
- Health clubs and wellness centres
- Hotels and spa pools
- Holiday parks and campsites

Dantherm®

CDP 70



CDP 40T



Specifications

	Units	CDP40 & CDP40T	CDP50 & CDP50T	CDP70 & CDP70T	CDP40/ CDP40T LPHW	CDP50/ CDP50T LPHW	CDP70/ CDP70T LPHW	CDP40/ CDP40T elec. heating	CDP50/ CDP50T elec. heating	CDP70/ CDP70T elec. heating
Dehumidification capacity	L/hr	1.4	2.1	2.8	1.4	2.1	2.8	1.4	2.1	2.8
Dehumidification capacity	L/Day	34	52	69	34	52	69	34	52	69
Air flow	m³/hr	400	680	900	400	680	900	400	680	900
Electrical supply	V/Hz	230/1ph/50	230/1ph/50	230/1ph/50	230/1ph/50	230/1ph/50	230/1ph/50	230/1ph/50	230/1ph/50	230/1ph/50
Heat to air (dehumidifier only)	kW	1.62	2.53	3.24	1.62	2.53	3.24	1.62	2.53	3.24
LPHW Air heater output	kW	n/a	n/a	n/a	3.32	5.28	7.56	n/a	n/a	n/a
Total heat to air (LPHW + dehum)	kW	n/a	n/a	n/a	4	6.72	9.3	n/a	n/a	n/a
LPHW flow rate	L/min	n/a	n/a	n/a	4.2	7.2	10.2	n/a	n/a	n/a
LPHW (boiler) connections	mm	n/a	n/a	n/a	12	12	12	n/a	n/a	n/a
Recommended boiler output	kW	n/a	n/a	n/a	3.32	5.28	7.56	n/a	n/a	n/a
Electric heater output	kW	n/a	n/a	n/a	n/a	n/a	n/a	2	3.5	5
Total heat to air (elec. heater + dehum)	kW	n/a	n/a	n/a	n/a	n/a	n/a	2.66	4.53	6.27
Nominal running current	Amps	3.8	6.6	8	3.8	6.6	8	11.5	19.7	27.2
Fuse required (1 phase)	Amps	10	13	20	10	13	20	20	30	38
Nominal power consumed	kW	0.9	1.5	1.8	0.9	1.5	1.8	2.9	5	6.8
Condensate drain	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Sound pressure level at 1m (*Through the wall units)	dB(A)	46/42*	47/44*	50/47*	46/42*	47/44*	50/47*	46/42*	47/44*	50/47*
DIMENSIONS FOR WALL MOUNTED MODELS										
Width (unpacked)	mm	1010	1160	1495	1010	1160	1495	1010	1160	1495
Height (unpacked)	mm	770	770	770	770	770	770	770	770	770
Depth (unpacked)	mm	326	326	326	326	326	326	326	326	326
DIMENSIONS FOR THROUGH WALL MODELS										
Width (unpacked)	mm	998	1148	1483	998	1148	1483	998	1148	1483
Height (unpacked)	mm	700	700	700	700	700	700	700	700	700
Depth (unpacked)	mm	304	304	304	304	304	304	304	304	304

- These performance figures are based on air at 30°C and 60% RH; pool water at 28°C; boiler water at 82°C
- All models are R407C ozone friendly refrigerant
- LPHW = Low pressure hot water
- Humidistat adjustable from 20% to 100% RH
- Operating range temperature 10°C to 36°C
- Automatic controls
- Fuses should be motor rated
- "T" models are supplied with inlet and outlet grills (C/W sleeves)
- All units are covered with two year warranty (first year parts and labour, second year parts only)
- Manufactured in Denmark



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Contact your Certikin stockist for prices and availability.

This literature is intended as a guide.
The company reserves the right to change the specifications without notice.