



# Daw-E

Ambient and swimming pool dehumidifiers transferring heat to the air and to the water or to the air only.

## Unit description

- Compressor scroll with electric heater R407C.
- Water condenser stainless steel AISI 316 brazed plate type externally insulated complete with differential pressure switch and antifreeze protection electric heater.
- Evaporator coil with seamless copper tubes and copper fins.
- Condenser coil with seamless copper tubes and aluminium fins.
- Auxiliary water coil with seamless copper tubes and aluminium fins (on request).
- Auxiliary electric coil with one, two or three stages.
- Fan centrifugal type with vertical discharge (horizontal on request).
- Microprocessor control system by MicroChiller2.
- Casing in galvanised steel base frame and panels in pre-painted (RAL 9007) galvanised steel sheet for indoor installation.

## Versions

DA ambient and swimming pool dehumidifier transferring heat to the air only (without water condenser).

DAW ambient and swimming pool dehumidifier transferring heat to the air (55%) and to the water (45%).

## Accessories mounted in factory:

- Horizontal discharge;
- Hot water coil;
- 100,150 or 200 Pa external head pressure available without water coil;
- 100,150 or 200 Pa external head pressure available with water coil;

## Data referred to:

SWIMMING POOL DEHUMIDIFIERS:

indoor air temperature: 27°C 65% R.H.  
- swimming pool water temperature 26°C.

- 400/230 power transformer for 400V power supply without neutral;
- High/low pressure gauges;
- Copper/copper condenser coil;
- Blygold protection protective coating for the air coils;
- Blygold protection protective coating for water coil;
- 6 kW auxiliary electric heaters at one stage;
- 9 kW auxiliary electric heaters at one stage;
- 12 kW auxiliary electric heaters at two stages;
- 18 kW auxiliary electric heaters at two stages;
- 27 kW auxiliary electric heaters at two stages;
- 26 kW auxiliary electric heaters at three stages;
- 45 kW auxiliary electric heaters at three stages.

## Accessories supplied loose:

- Remote control display (microchiller);
- Hot water coil flow electronic controller (supply in an additional electric box);
- Thermostat; ● Humidostat; ● Flow switch; ● Water strainer; ● Rubber anti-vibration set.

## DIMENSIONS AND WEIGHTS

Sizes	Length mm	Width mm	Height mm	Operation Weight	
				● Kg	▲ Kg
108Z	993	774	1300	260	284
110Z	993	774	1300	264	288
113Z	993	774	1300	269	293
115Z	1243	774	1420	304	332
118Z	1243	774	1420	337	365
122Z	1243	774	1420	343	371
125Z	1640	774	1620	546	578
132Z	1640	774	1620	562	590
138Z	1640	874	1700	582	610
237Z	1640	874	1700	672	700
244Z	1640	874	1700	682	710
251Z	1643	1036	1745	717	745
261Z	2190	1036	2000	832	854
274Z	2190	1036	2000	870	894
281Z	2190	1036	2000	886	908

● Setting up without water coil ▲ Setting up with water coil

Sizes	108Z	110Z	113Z	115Z	118Z	122Z	125Z	132Z	138Z	237Z	244Z	251Z	261Z	274Z	281Z
Dehumidification Capacity (1) kg/h	8,3	10,2	12,4	14,9	18,3	21,5	25,1	31,5	37,7	37,2	43,6	50,8	61,1	73,6	81,3
Dehumidification Capacity (2) kg/h	7,2	8,9	10,5	13,1	16,3	19,6	22,1	28,4	33,9	33,1	39,7	45,7	54,4	65,5	69,1
Heating capacity ttw 45% (1) kW	6,4	8	9,6	11,6	13,9	17,2	19,5	24	29	29,1	34	38,3	47,9	54,9	64,4
Heating capacity tta 55% (1) kW	7,8	9,8	12	14,2	17,8	21	23,9	29,6	35,4	35,5	41,5	46,7	58,5	67,1	78,7
Heating capacity tta 100% (2) kW	14	17,4	21,1	25,1	31,7	37,1	42,3	52,5	62,7	63,3	73,6	83	103,8	118,8	139
Compressors input (1) kW	2,1	2,6	3,2	3,8	4,7	5,6	6,5	8,1	10	9,5	11,2	12,9	16,3	18,2	20,1
Compressors input (2) kW	2,7	3,4	4,1	4,8	6	7,2	8,3	10,2	12,8	12,1	14,5	16,6	20,5	23,1	25,6
Nominal air flow m³/h	1795	2294	2793	3241	4028	4834	5486	6184	7182	7182	8640	9576	11970	15960	18952
Sound pressure levels (3) dB(A)	58	59	60	61	62	64	65	67	68	68	68	69	70	70	70

(1) transferring heat to air and water.

(2) transferring heat to air only.

(3) Sound pressure level testing point placed from electrical panel at 5m distance from the unit surface and 1m height from the ground.

Sound pressure level measure is taken at 5m to grant a value that is not influenced from reactive elements typical of the near field.



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Designed for economy and efficiency

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