

redge[®]

AXIL EC / AXILF EC

Unit heaters



WATER

- ❄ 4 - 22 kW
- 🔥 3 - 44 kW
- 🌊 740 - 7085 m³/h



AXIL EC^(A) 4^(B) 02^(C) 4^(D)

(A) AXIL EC = Hot water - AXIL F EC = Hot/chilled water

(B) Cabinet size - 4 = 526 - 5 = 636 - 6 = 743 - 9 = 1011

(C) AXIL EC/AXIL F EC = Number of rows - 2R, 3R, 4R

(D) AXIL EC /AXIL F EC - 4 = 4/6-pole motor - 6 = 6/8-pole motor

AXIL EC

Heating:

Airflow : 740-7085 m³/h

Heating Capacity : 3,43 – 43,53 kW

Entering air temperature 15°; WT=45/40°C

AXIL F EC

Heating:

Airflow : 740-7085 m³/h

Heating Capacity : 3,43 – 43,53 kW

Entering air temperature 15°; WT=45/40°C

Cooling:

Airflow : 700 - 5275 m³/h

Heating Capacity : 2,79 – Kw 22,19 kW

Airflow : 2100 to 9200 m³/h

Entering air temperature 26°; WT 7/12°C - ΔT=5°; R.H.: 55 %

MAIN COMPONENTS

Motor ventilator made up of 3 elements:

- fan
- motor
- finger proof guard also acts as the main support and fixing frame.

This galvanized steel frame is mounted into the main casing via residually anti-vibration rubber mountings.

CASING

The casing is manufactured from galvanized prepainted steel finished in a light grey colour (RAL 9002).

The adjustable louvres are held firm by spring loaded pivots.

Fourway distribution is achieved by the addition of a second of the unit generally for downward application.

HELICOIDAL FAN

The fan, made of plastic material with glass reinforced plastic for the sizes 2-4-6 and of aluminium for the size 9, has a high-capacity profile that provides the maximum air volume with the minimum energy consumption.

The finger proof guard is painted with electroplating treatment, that ensures more protection against corrosion.

The air flow is uniformly distributed through the whole coil and consequently the unit is very quiet.

COIL

Heating and cooling :

- copper tubes
- aluminium fins

For Cooling only: the heat exchanger is not suitable for use in corrosive atmospheres or in environments where aluminium may be subject to corrosion.

EXCEPTIONAL DURABILITY

With a lifespan of around **20 years** this heater epitomizes **durability & reliability**.

ELECTRONIC MOTOR

Single phase permanent magnet brushless electronic motor, IP 44 protection and class B insulation. It is controlled with reconstructed current according to a sinusoidal wave.

The inverter board that controls the motor operation is powered by 230 Volt, single-phase and, with a switching system, it generates a three-phase frequency modulated, wave form power supply.

The electric power supply required for the machine is therefore single-phase with voltage of **230 - 240 V** and frequency of **50 - 60 Hz**

UNPARALLELED VERSATILITY

This Unit Heater can work also with low water temperature in heating mode, therefore it adapts to various conditions, providing **thermal comfort** and **energy saving**.

HIGH EFFICIENCY & ECO-FRIENDLY

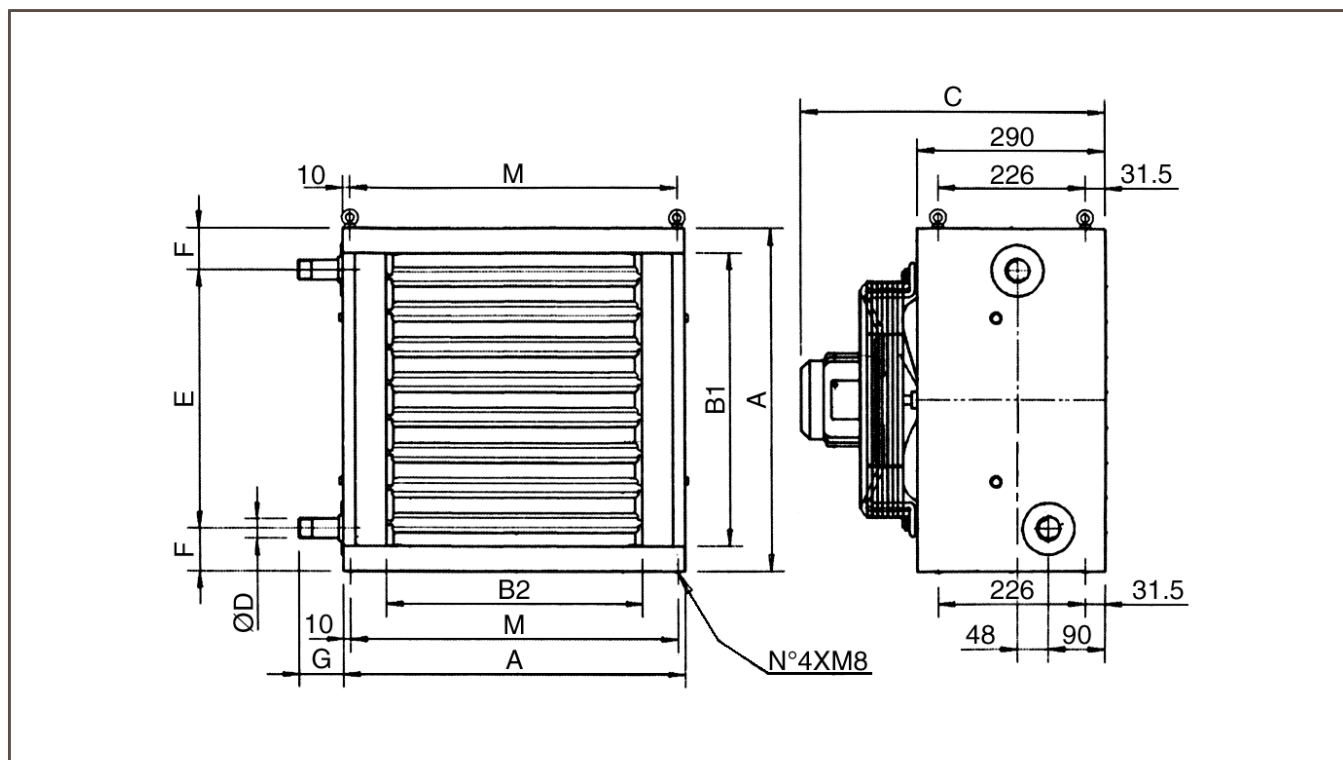
The modulating EC motors of AXIL EC ensure **reduced energy consumption**, offering sustainable and economical heating.

QUIET OPERATION

Speed modulation and new plastic propellers ensure **low noise levels**, taking thermal comfort to new heights.
Heat your spaces with tranquility.



Heating



Dimensions

Model		AXIL EC 402/402/403	AXIL EC 502/503/504	AXIL EC 602/603/604	AXIL EC 902/903/904
A	mm	526	636	743	1011
B1	mm	450	550	641	885
B2	mm	394	500	610	875
C	mm	495	500	510	575
ØD	"	1	1	14	12
E	mm	397	497	588	832
F	mm	64,5	69,5	77,5	89,5
G	mm	69,0	69,0	60,0	91,5
M	mm	506	616	723	991

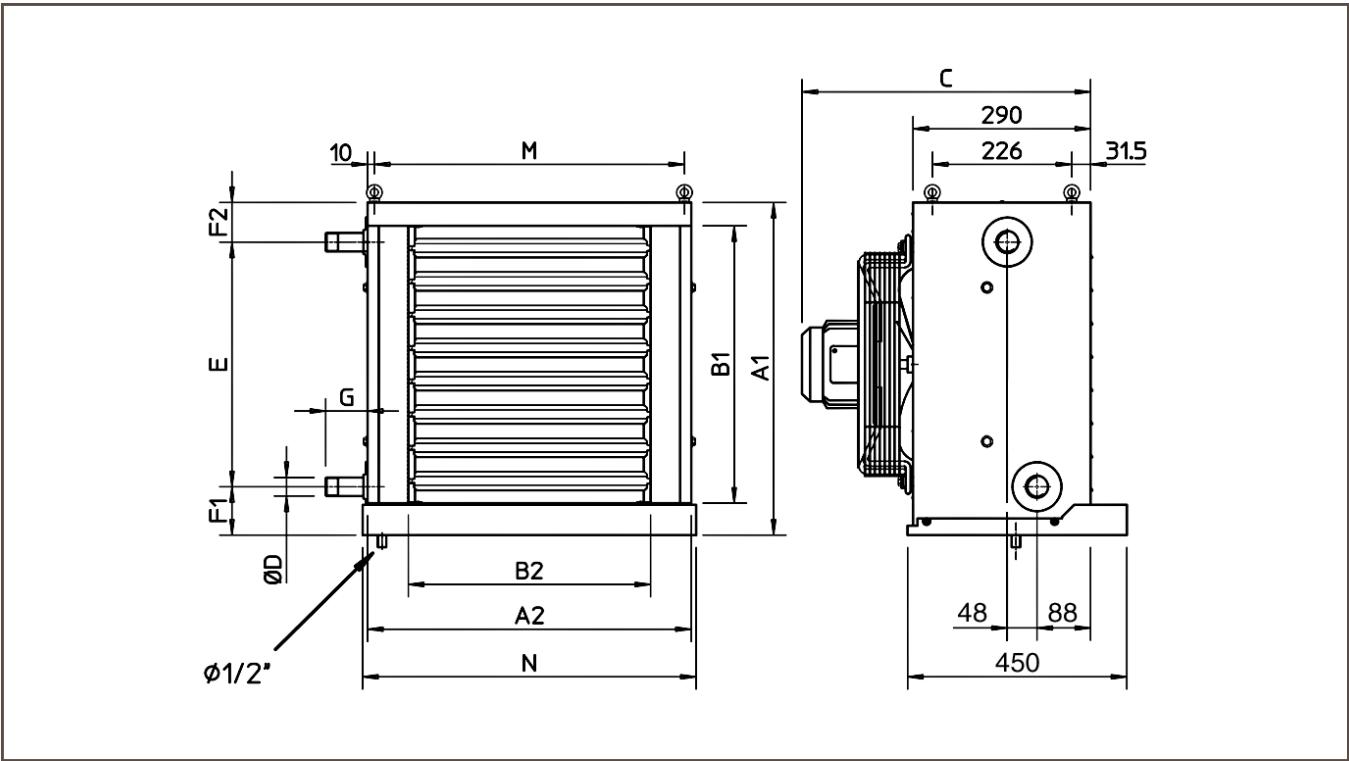
Weight and water content

Model		22	23	24	42	43	44	62	63	64	92	93	94
Weight	kg	24,0	25,0	26,0	31,0	32,5	34,0	41,0	42,5	44,5	72,5	77,0	81,0
Water content	l	1,3	1,7	2,2	1,9	2,7	3,4	2,9	4,0	5,1	5,4	7,6	9,8

For full technical data pls. consult the Technical Document AGU.

Cooling and heating

(for working on cooling, use only up to 4 Vdc)



Dimensions

Model		2	4	6	9
A1	mm	537	647	754	1022
A2	mm	526	636	743	1011
B1	mm	450	550	641	885
B2	mm	394	500	610	875
C	mm	495	500	510	575
ØD	"	1	1	14	12
E	mm	397	497	588	832
F1	mm	75,5	80,5	88,5	100,5
F2	mm	64,5	69,5	77,5	89,5
G	mm	69,0	69,0	60,0	91,5
M	mm	506	616	723	991
N	mm	542	650	758	1026

Weight and water content

Model		23	24	43	44	63	64	93	94
Weight	kg	25,0	26,0	32,5	34,0	42,5	44,5	77,0	81,0
Water content	l	1,7	2,2	2,7	3,4	4,0	5,1	7,6	9,8