



Electra 90 ElectraMatic

Electric Unit Heater

TECHNICAL LEAFLET

Electra 90 / ElectraMatic

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The **Electra 90** electric unit heaters for horizontal discharge are made in **7 sizes**, with heat outputs **from 6 to 36 kW**. The electrical coil has two-stage sealed electrical resistance made of finned steel tubes, to allow two step operation. The power supply is three phase, 400 V - 50 Hz.

The **ElectraMatic** electric unit heaters for horizontal discharge are made in **5 sizes**, with heat outputs **from 6 to 24 kW**.

The electrical coil has two-stage sealed electrical resistance made of finned steel tubes, to allow two step operation.

The power supply is three phase, 400 V - 50 Hz.

These units **come with** an electrical control panel that includes the auxiliary circuits, operating and safety thermostat, and terminal block ready for connection to the line, to the remote control panel and to the room thermostat.

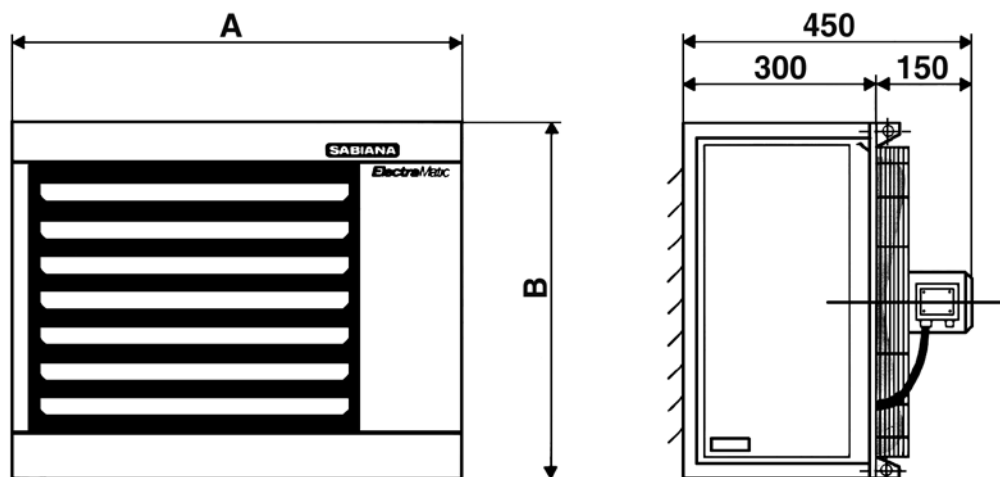
TECHNICAL CHARACTERISTICS

- Covering unit made out of stove-enamelled phosphated steel plate panels.
- Supporting frame in galvanised steel plate.
- Coil with protected electrical resistances, in finned steel pipe. The power is divided into two stages in order to allow it to operate at partialized load.
- Helicoidal fan with light alloy, anti-spark blades, directly connected to the motor axis.
- Asynchronous **400V - 3f - 50Hz, 6-pole** motor, with closed construction, class B insulation and IP 44 protection.
- Electrical fan support with sturdy metal basket made of four radial arms and safety mesh basket in round steel pipe. The junction between the support and the rear wall of the casing is created by interposing neoprene anti-vibration supports that ensure operation without vibrations and resonance.
- Safety thermostat against overheating.
- Terminal board for electrical connections.

ElectraMatic Model

- Electric motor equipped with thermal protection, incorporated in the wiring, with automatic re-insertion.
- Electrical control panel completely accessible by removing a side panel. **It includes all** control and protection automations, the auxiliary circuits with safety thermostats and the terminal boards ready to be connected to the supply, to the remote control panel, to room thermostat, etc.

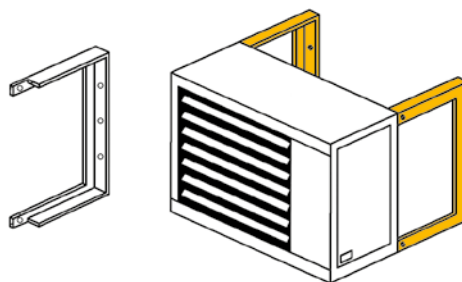
Electra 90 / ElectraMatic | DIMENSIONS, WEIGHT AND TECHNICAL DATA



| Model Electra 90 | | 06E | 09E | 11E | 17E | 24E | 30E | 36E | |
|--------------------------------------|-------------------|------|------|-------|-------|-------|-------|-------|-------|
| Model ElectraMatic | | EM6 | EM9 | EM11 | EM17 | EM24 | - | - | |
| Output | W | 6480 | 9720 | 11100 | 16650 | 24000 | 30000 | 36000 | |
| Power steps | 1 ^a | W | 3240 | 3240 | 5550 | 5550 | 6000 | 12000 | 12000 |
| | 2 ^a | W | 3240 | 6480 | 5550 | 11100 | 18000 | 18000 | 24000 |
| Air flow | m ³ /h | 1000 | 1000 | 1800 | 1800 | 3600 | 3500 | 3400 | |
| Leaving air temp. (entering +15°C) | °C | 33 | 44 | 35 | 44 | 36 | 42 | 47 | |
| Throw | m | 6 | 6 | 8 | 8 | 12 | 12 | 12 | |
| Mounting height | Min. | m | 2,5 | 2,5 | 3,0 | 3,0 | 3,0 | 3,0 | 3,0 |
| | Max. | m | 4,0 | 4,0 | 4,5 | 4,5 | 5,0 | 5,0 | 5,0 |
| Helicoidal fan 400 V - 3f - 50 Hz | A | 0,22 | 0,22 | 0,22 | 0,22 | 0,47 | 0,47 | 0,47 | |
| | g/min | 900 | 900 | 900 | 900 | 900 | 900 | 900 | |
| Noise level at 5 m (*) | W | 110 | 110 | 110 | 110 | 230 | 230 | 230 | |
| | dB(A) | 43 | 43 | 48 | 48 | 50 | 50 | 50 | |
| Dimensions | A | mm | 570 | 570 | 650 | 650 | 730 | 730 | 730 |
| | B | mm | 470 | 470 | 570 | 570 | 670 | 670 | 670 |
| Air outlet section | L | mm | 400 | 400 | 480 | 480 | 560 | 560 | 560 |
| | h | mm | 320 | 320 | 420 | 420 | 520 | 520 | 520 |
| Fan | ∅ | 300 | 300 | 400 | 400 | 500 | 500 | 500 | |
| Weight (approx.) ElectraMatic | kg | 32 | 35 | 43 | 45 | 60 | - | - | |
| Weight (approx.) Electra 90 | kg | 30 | 33 | 41 | 43 | 58 | 61 | 64 | |

(*) = The sound pressure levels dB(A) are measured at a distance of 5 m, directional factor Q = 2, compliant with the EN 3744 standard.

Brackets for wall installation



Remote switch
(for ElectraMatic only)





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SABIANA SpA

Società a socio unico

Via Piave 53 - 20011 Corbetta (MI) Italia

T. +39 02 97203 1 r.a. • F. +39 02 9777282

info@sabiana.it

www.sabiana.it