

HEAT60 Warm Water Radiator

The warm water radiator from DACS produces plenty of dry, warm air that allows for better climate control in poultry houses.

The HEAT60 warm water radiator from DACS provides warm and dry air that allows for efficient heating and dehumidification in poultry houses. Each HEAT60 unit is equipped with a 60 kW radiator and a 0.3 kW blower. The open sides allow for suction of 8000 m³ air per hour over the radiator.

The low-pressure water flow inside the heating element means that only a small circulation pump is needed for the entire installation. This adds to the very low energy consumption of the entire heating system. The performance on the radiator is stated at a room temperature of 30 °C (86 °F) and an average temperature in the radiator of 80 °C (176 °F). The open structure of the radiator allows for a fast and thorough cleaning.

Advantages:

- **Total elimination of CO₂ emission compared to open flame gas heaters**
- **20% humidity reduction compared to open gas heaters**
- **Significant improvement of FCR due to improved in-house air quality**
- **Significantly improved litter control due to better in-house climate**



Closed – unit ready for operation



Open – unit ready for cleaning

TECHNICAL SPECIFICATIONS

Heat capacity: 60 kW at -10 Pa and 30 °C ambient, calculated at nominal fluid flow

T- ambient °C	30	25	20	15	10	5	0
P (kW)	60	66	72	78	84	90	96

Pressure loss through unit: 0.2 Bar at 50 ltr/min through unit

Air exchange capacity: 8000 m³/h at -10 Pa

Fluid supply requirement: Nominal: 50 l/min per unit, 80 °C at inlet. Fluid content 14 ltr.
Long Life Antifreeze suitable for aluminium must be added
(25–60% concentration depending on climate conditions; consult installer)

Fluid temperature drop: Approximately 20 °C at nominal flow and 30 °C ambient air

Fan motor: 3 × 400 VAC 6-pole (950 RPM) 0.3 kW IP55 Insulation Class F