

HEATING SOLUTIONS



For Your agriculture and horticulture applications



AIR



WATER



ENERGY



SECURITY

A wide range of solutions

Optimum temperature distribution, CO₂ reduction, energy savings and environmental compatibility are key criteria when choosing the right heating system for animal sheds. The complete product range includes gas and oil-fired hot-air blowers for both mobile and stationary use with capacities of between 14 and 120 kW. In addition, the product range features hot-air blowers with clean combustion systems for CO₂ fertilization and for heating greenhouses. The devices comply with the European standards end requirements as well as with the requirements of Countries outside Europe.



ermaf a product line of Resideo

In the field of animal husbandry applications, ermaf has more than 50 years of practical experience worldwide with hot-air blowers. They are specially developed for use in intensive livestock breeding such as poultry, pigs and cattle. ermaf has also developed special stainless steel hot-air blowers for applications in horticulture.

Indirect systems High efficiency



Direct systems High direct power





Indirect air heating advantages

- Heat output contains only hot air and no CO₂
- Combustion gasses extracted via chimney. Not necessary additional ventilation of combustion Energy saving and environment friendly
- No moisture in hot air, less diseases and higher productivity
- Very safe heating system
- Resistance for water jet cleaning



Direct air heating advantages

- Hot air and CO₂ in heat output
- 100% efficiency, fast heat-up time
- Low installation cost
- Very reliable and proven system
- Easy to install
- Long jet length
- Resistance for water jet cleaning

Circulation fans advantages

- Extend the reach of the heaters
- Equalize temperatures in all directions
- Direct connectable to ermaf heaters
- Robust stainless steel housing
- Very reliable and proven system
- Easy to install results in low installation cost



Save your money!

Any down time of the heating system in your farm means lost money, wasted time and potential risks for health of the animals or plants.

How

ermaf gives you

- Various connections to climate computers and PCs
- Advanced ACU with accurate error code display
- Reliability and long service life
- State of the art heat technology and combustion
- Highest class AA gas valves available for your safety
- Optimal performance and climate behaviour
- High quality components and robust stainless steel design
- High pressure water cleaning resistant
- Fast and easy diagnostic via user interface

Program overview and technical specifications

Direct fired

Air heaters for natural gas or LPG



Type	Capacity	Air output	Jet length	Consumption	
				Natural gas (H)	Propane
ERA33 230 V	33 kW	1,700 m³/h	30 m	3.5 m³/h	2.4 kg/h
GP14 230 V	14 kW	1,200 m³/h	10 m	1.1 m³/h	1.0 kg/h
GP40 230 V	40 kW	3,900 m³/h	40 m	3.6 m³/h	3.1 kg/h
GP70 230 V	70 kW	4,500 m³/h	50 m	6.1 m³/h	5.0 kg/h
GP95 230 V	95 kW	6,500 m³/h	40 m	7.8 m³/h	6.8 kg/h
GP120 230 V	120 kW	8,000 m³/h	50 m	9.9 m³/h	8.6 kg/h

Direct fired

Air heaters for diesel or kerosene



Type	Capacity	Air output	Jet length	Consumption
P40 230 V	40 kW	4,400 m³/h	30 m	4 l/h
P60 230 V	60 kW	6,200 m³/h	30 m	6 l/h
P80 230 V	80 kW	7,700 m³/h	40 m	8 l/h
P100 230 V	100 kW	7,700 m³/h	40 m	10 l/h
P120 230 V	120 kW	7,700 m³/h	50 m	12 l/h

Indirect fired

Air heaters with chimney for diesel or kerosene



Type	Capacity	Air output	Jet length	Consumption
RGA95 garden 230 V	95 kW	8,000 m³/h	40 m	10 l/h
RGA95 stable 230 V	95 kW	8,000 m³/h	40 m	10 l/h

Indirect fired

Air heaters with chimney for natural gas or LPG



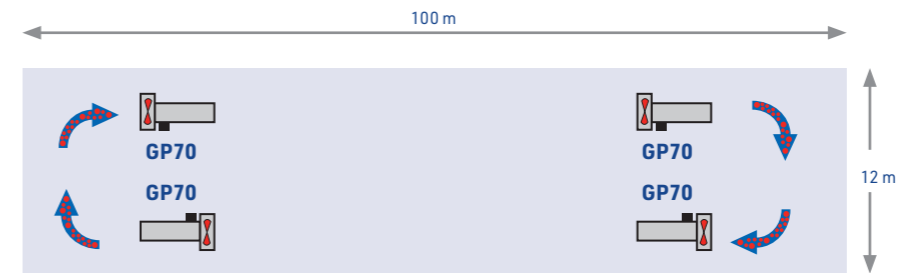
Type	Capacity	Air output	Jet length	Consumption	
				Natural gas (H)	Propane
RGA100 230 V	60-100 kW	8,000 m³/h	40 m	8.0 m³/h	6.9 kg/h

Circulation fans

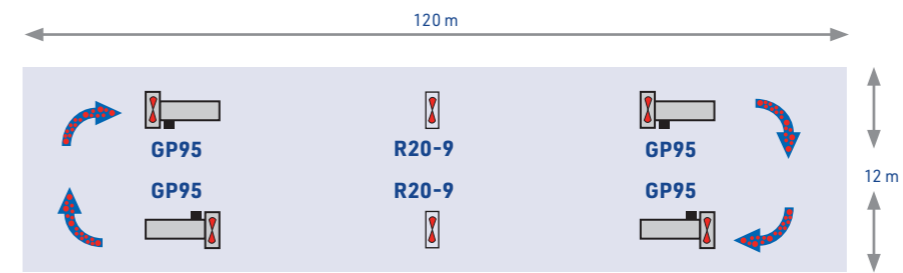


Type	Air output	Jet length
R20-9	5,800 m³/h	45 m
R20-14	8,600 m³/h	60 m

Layout examples - Poultry installations

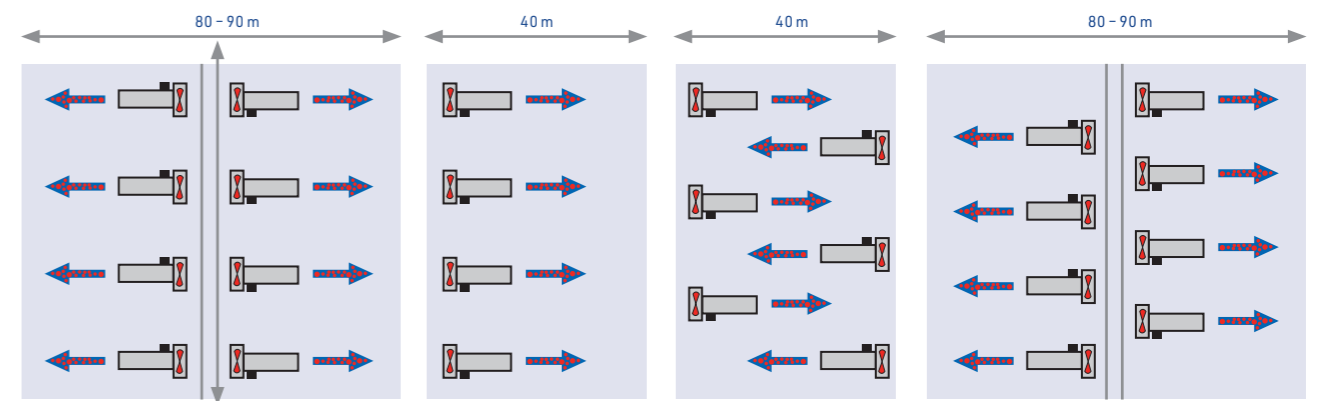


Example 1: Mild climate, estimated heat demand: 260kW, Suggested: 4x GP70



Example 2: Mild climate, estimated heat demand: 375kW
Suggested: 4x GP95 and 2x R20-9 recirculation fans to extend the jet-length
Note: as reference only. For agriculture layout proposals, please contact us.

Layout examples - Greenhouse installations



Heat demand depending on product types and climate.
Several other options possible depending the design of the greenhouses.

Note: As reference only. For agriculture and horticulture layout proposals, please contact us.

Resideo, smart and connected products and systems

Building on a 130-year heritage and with 15 million systems installed each year Resideo continues to serve more than 110,000 professionals in more than 100 countries.

Resideo is a \$4.8 billion company with approximately 13,000 global employees.



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