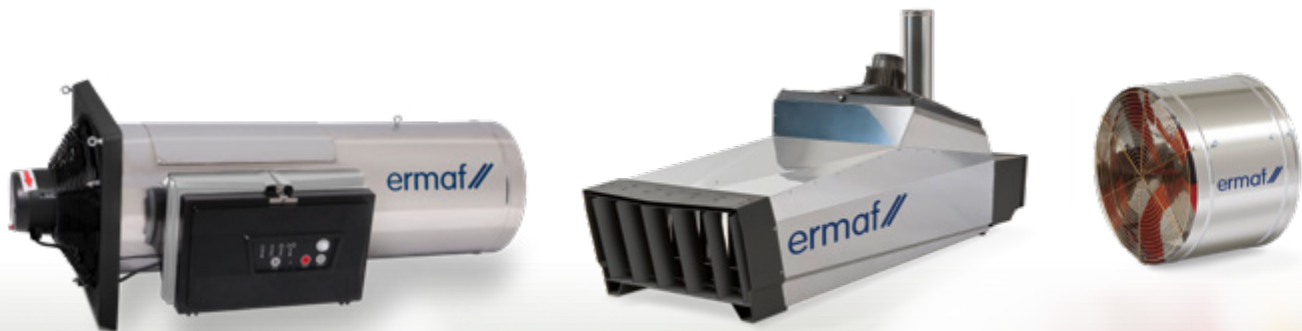


ermaf //

Air heaters for agriculture and horticulture



New Gas Appliances Regulation
(EU) 2016/426 compliant

Edition 06.18 GB



Heating equipment for Stables poultry and animals

Why Honeywell?

Honeywell is a Fortune 100 diversified technology and manufacturing leader, serving customers worldwide with

- Aerospace products and turbochargers
- Control technologies for buildings, homes and industry
- Performance materials

Based in Morris Township, N.J., Honeywell shares are traded on the New York, London and Chicago Stock Exchanges. For more news and information on Honeywell, please visit:

www.honeywell.com

Why Ermaf?

Ermaf is now a brand of Honeywell. In the field of animal husbandry applications, Ermaf has more than 45 years of practical experience worldwide with hot-air blowers specially developed for use in intensive livestock breeding such as for poultry, pigs and cattle. Ermaf has also developed special stainless steel hot-air blowers, which have a very good reputation worldwide, for applications in horticulture.



Heating equipment for greenhouses vegetables and flowers



Heating equipment for Stables poultry and animals

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.

As a matter of course, the devices comply with the European standards and requirements as well as with the requirements of countries outside Europe.



Indirect systems

High efficiency



Direct systems

High direct power





Advantages indirect air heating

- Heat output contains only hot air and no CO₂
- Combustion gasses extracted via chimney. The result is that no additional ventilation of combustion gasses are necessary which results in energy savings and better climate
- Hot air contains no moisture, the floor is then less wet: this means less diseases and higher productivity
- Very safe heating system
- Resistance for water jet cleaning



Advantages direct air heating

- Heat output contains hot air and CO₂
- 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

Advantages Circulation fans

- 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





We want you to save what matters the most: your money.

That's behind the development of our products.

Any down time of the heating system in your farm means lost money, wasted time and potential risks for health of the animals or life of plants. Cheap and unreliable heating systems at the end cost much more in terms of reduced productivity.

Various connections to climate computers and PCs



High quality components and robust stainless steel design



Advanced ACU with accurate error code display



High pressure water cleaning resistant



Reliability and long service life



Fast and easy diagnostic via user interface



State of the art heat technology and combustion



Highest class AA gas valves available for your safety



Optimal performance and climate behaviour



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 m ³ /h	30 m	3.5 m ³ /h	2.4 kg/h
GP14 230 V	14 kW	1,200 m ³ /h	10 m	1.1 m ³ /h	1.0 kg/h
GP40 230 V	40 kW	3,900 m ³ /h	40 m	3.6 m ³ /h	3.1 kg/h
GP70 230 V	70 kW	4,500 m ³ /h	50 m	6.1 m ³ /h	5.0 kg/h
GP95 230 V	95 kW	6,500 m ³ /h	40 m	7.8 m ³ /h	6.8 kg/h
GP120 230 V	120 kW	8,000 m ³ /h	50 m	9.9 m ³ /h	8.6 kg/h



ERA 33



GP 70



GP 95

Direct fired

Air heaters for diesel or kerosene

Type	Capacity	Air output	Jet length	Consumption
P40 230 V	40 kW	4,400 m ³ /h	30 m	4 l/h
P60 230 V	60 kW	6,200 m ³ /h	30 m	6 l/h
P80 230 V	80 kW	7,700 m ³ /h	40 m	8 l/h
P100 230 V	100 kW	7,700 m ³ /h	40 m	10 l/h
P120 230 V	120 kW	7,700 m ³ /h	50 m	12 l/h



P



P mobile

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 m ³ /h	40 m	10 l/h
RGA95 stable 230 V	95 kW	8,000 m ³ /h	40 m	10 l/h



RGA 95

Indirect fired

Air heaters with chimney for natural gas or LPG

Type	Capacity	Air output	Throw	Consumption	
				Natural gas (H)	Propane
TR75 400 V	45 – 75 kW	± 8000 m ³ /h	> 50 m	7,52 m ³ /h	5,82 kg/h
RGA100 230 V	100 kW	8,000 m ³ /h	40 m	8.0 m ³ /h	6.9 kg/h



TR 75



RGA 100

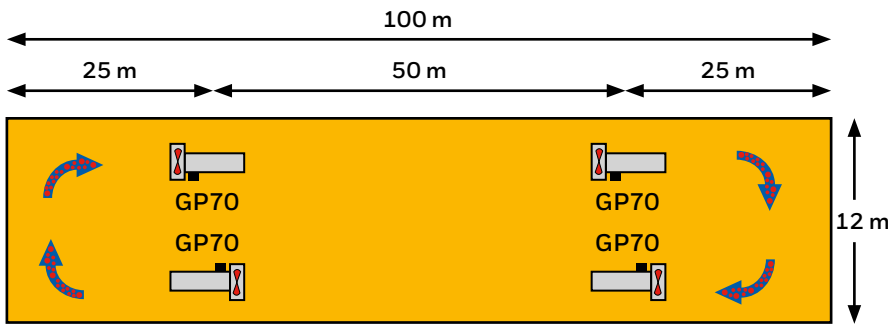
Circulation fans

Type	Air output	Jet length
R20-9	5,800 m ³ /h	45 m
R20-14	8,600 m ³ /h	60 m

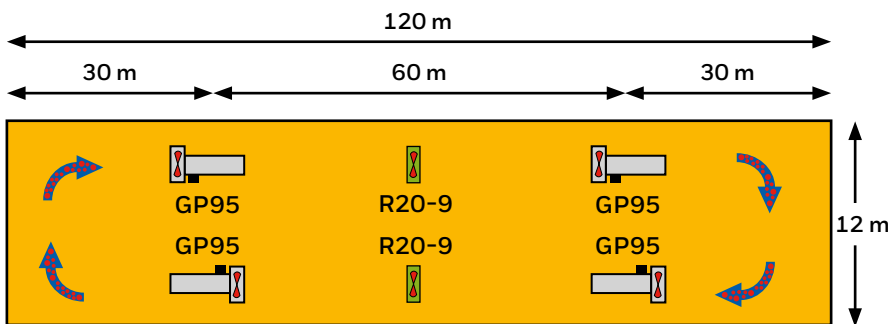


Recirculation fan

Layout examples – Poultry installations

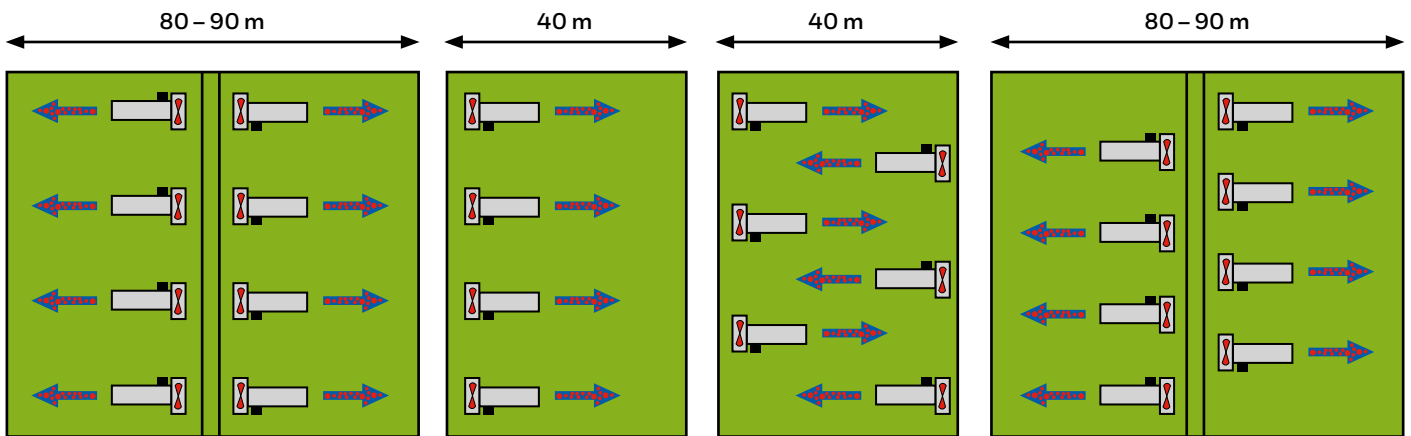


Example 1: Mild climate, estimated heat demand: 260kW, Suggested: 4x GP70



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.

We sell more than just products

Our journey starts supporting customers to choose the right products, dimensioning and giving installation advices.

Once the decision is made, thanks to our theoretical and practical trainings (with hands-on), our customers can enjoy the best product performances. No more commissioning, installation and servicing head-aches. Our team gives valua-

ble support to installers and service departments.

We don't stop our presence after sales: we continuously support in case of any application questions, monitoring appliances performances so to keep the investment value. We can arrange joint visits on-site in case of any expectations deviation.

We sell more than just products: it's in our nature and that's what makes us different!



Wide range of accessories and spare parts

Original accessories

Honeywell accessories perform best together with our air heaters, giving you the advantage of consistent, reliable systems and professional heating results.

Designed for excellence and manufactured to rigorous standards, Honeywell accessories deliver superior system performances and long life—the best choice for your air heaters.

Don't be disappointed by unpredictable system patchworks— choose long term reliability, ultimately saving time, money and the environment!



Gas nozzle sets



Room thermostats



Gas filter



Chimneys

Original spare parts

Your investment deserves the same high quality all life long.

Choose original spare parts on all the air heaters portfolio, so to guarantee:

- Performances according to the design capacity
- No damages to the equipment
- Lower downtime for your equipment
- Lower running costs
- No premature product decline
- Always the right part selection



Burner controls



Gas controls



Burner parts



Ventilator parts

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