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Hebei Feilong Poultry Breeding Co., Ltd. Heating Case Study

KWDHVS70 single-negative-pressure warm air solution for 16 breeder houses in Julu, Xingtai, Hebei

Keywarm Case Study

Case Snapshot

User	Hebei Feilong Poultry Breeding Co., Ltd.
Location	Poultry farm, Julu County, Xingtai, Hebei, China
Application	Breeder house heating
Model	KWDHVS70
Quantity	96 units
Buildings	16 breeder houses
Per House	6 units per house, installed along one side wall with

	three-side hot-air discharge
House Size	100 m × 13 m × 3 m
Target Temperature	34°C
Fuel	Natural gas

Project Overview

Hebei Feilong Poultry Breeding Co., Ltd. adopted Keywarm KWDHVS70 single-negative-pressure warm air heaters as a standardized heating solution for its breeder-house project. The project covers 16 breeder houses, with 6 units installed in each house, for a total of 96 units. Breeder houses demand fast temperature build-up, even heat distribution and stable operation. During breeding and routine farm management, the indoor environment must reach target temperature quickly and remain stable under working ventilation conditions. To meet this operating requirement, Keywarm provided a repeatable multi-house solution centered on the KWDHVS70, designed for fast warm-up, effective supplementary heating, stable operation and simpler management.

Challenges and Responses

Project Challenges	Keywarm Responses
The project covers 16 breeder houses, requiring strong repeatability and standardized deployment.	The project uses KWDHVS70 single-negative-pressure warm air heaters as the main heating equipment, with 6 units installed in each house and 96 units in total.
Each house is 100 m long, so poor equipment placement or airflow organization could create temperature differences from one end to the other.	The units are installed along one side wall, with hot air discharged from three sides to improve heat delivery into the occupied area of the house.
The breeder houses require the indoor temperature to reach and maintain 34°C quickly and reliably.	Natural gas is used as the fuel for stable and continuous operation.
In practical agricultural operation, response speed, supplementary heating ability and system stability matter more than nominal heating output alone.	A standardized per-house configuration keeps the logic and operation of all 16 houses consistent, simplifying later maintenance, inspection and management.

Why the System Works

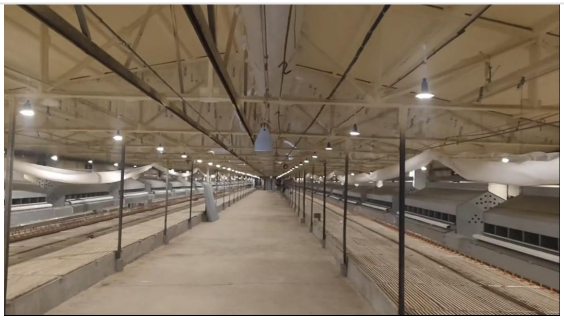
- The heating path is more direct, which better suits breeder houses that need fast temperature build-up.
- The one-side-wall layout with three-side hot-air discharge is better suited to airflow coverage in long, narrow poultry houses.
- A unified layout across 16 houses supports large-scale implementation.
- The solution aligns with agricultural operating needs, balancing warm-up speed, temperature uniformity and stable operation.

Performance & Customer Value: In operation, the houses can reach target temperature quickly and maintain a more even thermal environment. According to the customer, the system is easy to operate, the warm-up is fast, the temperature distribution is uniform, and the operation is stable. For a multi-house agricultural project, this type of solution not only improves winter environmental control efficiency, but also supports easier

unified management and maintenance.

Project Photos

Farm exterior showing the overall breeder-house layout



Interior aisle and overall poultry-house environment

Actual installation of the units along one side wall

Unit close-up and in-house operating condition

Installation details and relation to the service aisle

Additional view: equipment and in-house operating environment

Recommended Applications

- Breeder houses
- Layer houses
- Brooding houses

- Poultry houses requiring fast warm-up
- Agricultural projects suitable for standardized multi-house deployment