

Day old chick
transport

A closer look at our product range



Improving Transport Performance

The transport of day old chicks from hatchery to farm has a critical role to play in subsequent performance. Hatcheries operate in a fully controlled indoor environment, while transport entails the risk of exposing the chicks to uncontrolled, outdoor conditions.

If the chicks are not protected from unpredictable changes to their climate, varying road conditions, traffic jams and other delays, their performance is directly impaired.

The modern hatchery is a major investment in state-of-the-art science, technology and engineering. It therefore makes sense to

create a professional, modern chick transport fleet, specifically designed to maintain an optimised environment, to ensure that the birds arrive at the farm in the same condition in which they left the hatchery.

Heering has developed a reliable transport environment, created to preserve the full genetic potential of the birds all the way to the farm.

We help hatcheries to deliver their day old chicks in excellent condition



The importance of care in transit

Day old chicks are naturally well equipped for transport. Born with a residual yolk, they are comfortable without feed and water for up to two days – providing that temperature inside the chick boxes is kept within their thermoneutral zone. Within this narrow temperature range of 32 – 35 °C, the chick's metabolism is just at maintenance level with minimal heat production and water loss.

If the temperature inside the chick boxes rises above this range, the chicks will start to use energy from the yolk sac at a much faster rate, to facilitate panting behaviour in an attempt to maintain an optimal body temperature of 39,5 – 40 °C. Proteins used for this purpose are then no longer available for the development of the immune and digestive systems. Panting

produces increased water loss, with the risk of dehydration.

When the temperature at chick level is below the thermoneutral zone, the day old chicks are forced to use their own resources for thermoregulation, rather than for growth and health. In general terms, temperature stress causes discomfort while also suppressing productive efficiency.

Transport conditions are still too often neglected, when in fact they have the potential to significantly affect growth rate, feed conversion, meat yield and the development of the immune system. Optimizing these conditions is highly beneficial for subsequent performance on the farm.

The expertise of Heering

Heering equipment is proven under extreme climate and road conditions. Inside the transport system, a specially designed airflow system distributes air evenly over the rows of chick boxes. Heat, water vapour and CO₂ are removed through air outlets and a recirculation duct. The body temperature of the chick remains between 39,5 – 40°C.

For day old chicks not yet fully able to control their own body temperature, the finite control

of air speed, air temperature and heat production creates a mobile hatchery environment, for healthy chicks on delivery.

As Heering is working closely with hatcheries worldwide, we measure the impact of every factor, from climate conditions to road conditions and from the transport process to service needs. Heering offers transport solutions that will future-proof your hatchery transport for many years to come.



User friendly
Optimum biosecurity
Proven reliability
Uniform chick quality

Features

User friendly

Intuitive operation

- Easy to operate and maintain, from pre-heating in the morning to cleaning at the end of the day;
- In-cabin monitor provides constant information about the climate inside the truck;
- Easy to reach climate control unit, for checking or to change and clean filters;
- No need for level positioning saves time loading and unloading;
- Usage as storage room at hatcheries or for ferry transport through an easy connection to the electricity net.

Optimum biosecurity

Easy cleaning and disinfection

- Heering equipment is easy to clean and disinfect, thanks to smooth floors and walls and removable air ducts;
- Cleaning time is reduced dramatically as Heering does not employ perforated radiators;
- All surfaces, fixings and finishes are designed to resist the ingress of moisture and bacteria, preventing the creation of dirt traps.

Proven reliability

Minimized risk

- Heering operates without the influence of exterior climatic conditions outside the transport system and independently of the truck engine;
- The climate units have a high capacity, handling exterior climate conditions from -40 to + 45° C;
- Heering is designed for low maintenance costs and minimum downtime, with comprehensive service and support provided Heering for 24/7 assistance, onsite services, training and instruction;
- Optional back-up facilities and manual control in case of emergencies.

Uniform chick quality

Optimum welfare provision

- Inlet air flows through the boxes, effectively absorbing and dispersing the metabolic heat produced by the chicks inside the boxes;
- Powerful airflow from top inlets and floor inlets;
- Tested and proven as the most effective method of air distribution in day old chick transport equipment;
- Mixing assures complete air temperature homogeneity before air is drawn through the boxes;
- Energy-efficient recirculation valve for partial loads or extreme climate conditions.



Extreme durability



Corrosion resistance



Intuitive operation



LED technology



Extra visibility



Easy to clean interior



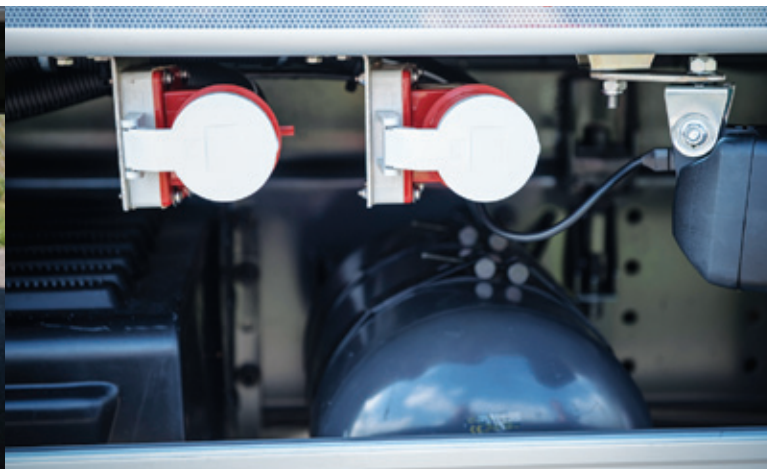
Robust design



Back-up system



Heavy duty lift



External power supply



Worldwide support



Side door



Antibacterial design



Easy loading and unloading



Sufficient payload



Highly manoeuvrable

Day old chick transport

Our product range

Heering 120

for up to 150.000
day old chicks

Heering 90

for up to 100.000
day old chicks

Heering 45

for up to 50.000
day old chicks

Heering 25

for up to 25.000
day old chicks





*Heering will
future-proof your
transport for many
years to come*

Specifications



	Heering 25	Heering 45	Heering 90	Heering 120
Capacity (chicks)	up to 25.000	up to 50.000	up to 100.000	up to 150.000
Temperature range	- 20 °C to + 33 °C	- 40 °C to + 45 °C	- 40 °C to + 45 °C	- 40 °C to + 45 °C
Chassis requirements				
Delivery van	L3/L4	n/a	n/a	n/a
Truck chassis	n/a	4 x 2 rigid	6 x 2 rigid	n/a
Trailer chassis	n/a	n/a	n/a	2 axle
Suspension	air	air	air	air
Dimensions				
External length (mm)	4,700	6,000	9,600	13,600
Internal length (mm)	3,500	4,650	8,250	12,110
External height (mm)	2,400	2,690	2,690	2,690
Internal height (mm)	1,800	2,300	2,300	2,300
External width (mm)	2,000	2,440	2,600	2,600
Internal width (mm)	1,400	2,270	2,330	2,330
Technical specifications				
Net weight (kg)	3,250	5,000	6,500	14,000
Ventilation capacity (m³/h)	5,000	8,000	15,000	18,000
Generator (kVA)	n/a	22	37	55
Cooling capacity (Max Kw)	3,3	23	30	42
Heating capacity (Max Kw)	9	12	22	34
Temperature sensors	2	3	3	3
Fuel tank (liters)	80	200	500	200
Side protection	Aluminium side protection with LED side lights			
Floor surface	Heering AntiWear™ extreme wear resistant floor surface			
Insulation	Heering highly isolating sandwich panels			
Interior	Heering EasyClean™ smooth and dirt resistant surface			
Rear frame	Stainless steel and high quality aluminium for weight reduction			
Rear doors	Reinforced rear doors with integrated stainless steel hinges			
Cargo rails	Stainless steel			
Wall protection	Anodised aluminium			
Filters	Single-use or multi-use high capacity filters			
Alarm	Visual signal, audible signal, SMS warning			
Temperature registration	WebControl™ for online monitoring			

In our commitment to quality improvement through continuous research, we reserve the right to alter the specifications of our products without notice.

Heering

Heering is one of the world's leading manufacturers of day old chick transport, having been pioneers in the development of innovative and sustainable transport technologies since 1865.

Driven by quality improvement, we work closely with leading hatcheries to consistently pursue extensive biological and technical research. This enables us to continually improve our products.

Heering's comprehensive understanding of all aspects of the poultry production chain offers you complete confidence and peace of mind for many years to come.



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