



Big Dutchman®



EUROVENT-Parents

The modern manure belt battery for layer breeders

EUROVENT-Parents – the ventilated manure belt battery for the production of hatching eggs

EUROVENT-Parents is a manure belt battery designed by Big Dutchman especially for layer breeders and the production of hatching eggs.

The cages are 1250 mm (49.2") wide and the standard length is 2412 mm (95"). However the length of the compartment can be enlarged in stages of 603 mm (23.7") so that the customer can individually determine the flock size. A reinforced perch is positioned in the centre of the cages which offers both male and female birds the opportunity to exhibit their natural behaviors. The individual cages are separated by closed partitions which

promote calmness and quiet within the flock by ensuring that males in different groups remain separated.

All wires used for bottom wires and cage fronts are zinc-aluminium coated. This special alloy resists corrosion and rust more effectively than regular cage materials and guarantees a longer service life than our competitors.

EUROVENT-Parents is available with or without air duct.

The system allows for a high stocking density, has minimum labor requirements and ensures clean hatching eggs.

Technical details of the EV-Parents cage include:

1 Feed supply

The Big Dutchman chain feeding system has proven to be a highly reliable and cost-effective feeding system. The CHAMPION feed chain carries the feed to the birds evenly and without separating it.

→ direct drive of the feed chain without additional transfer elements

→ low maintenance requirements

→ galvanized feed column with internal 'cascade' design prevents feed bridging and takes up a minimal amount of space at the end of the cage row

The deep trough avoids feed losses.

2 Cage front

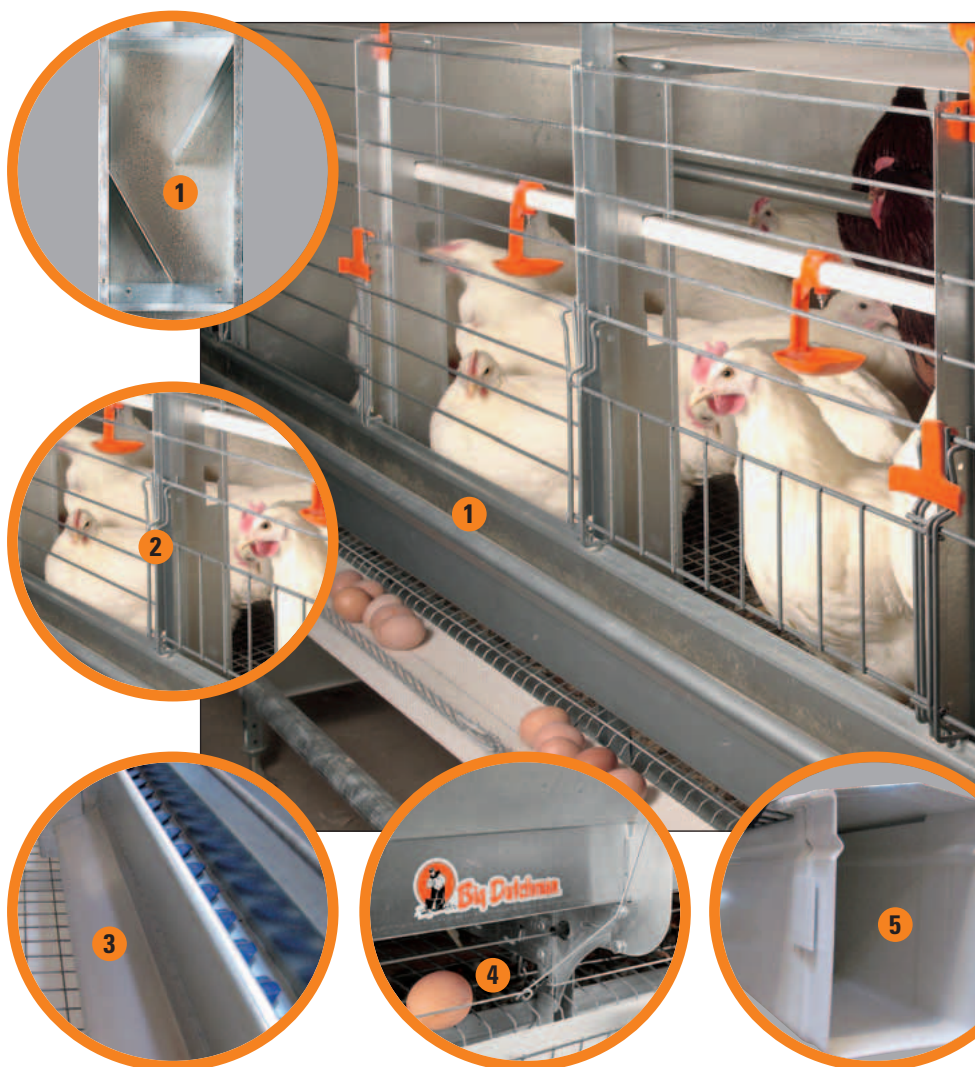
The cage front consists of sliding grids that can be opened completely and allow for easy moving in and out of the birds. The male grids, consisting of vertical rods, ensure optimum feed intake of the males and prevent injuries to the comb. The arrangement of both types of grid can be adapted to suit the customers' needs.

3 Footrail

The flat-surfaced footrail, made of stainless steel, encourages egg deposit in the trough area. This means short roll-off distances and thus increased egg quality. The footrail also prevents manure from falling into the cage below and protects the eggs from being pecked by the birds.

4 EggSaver

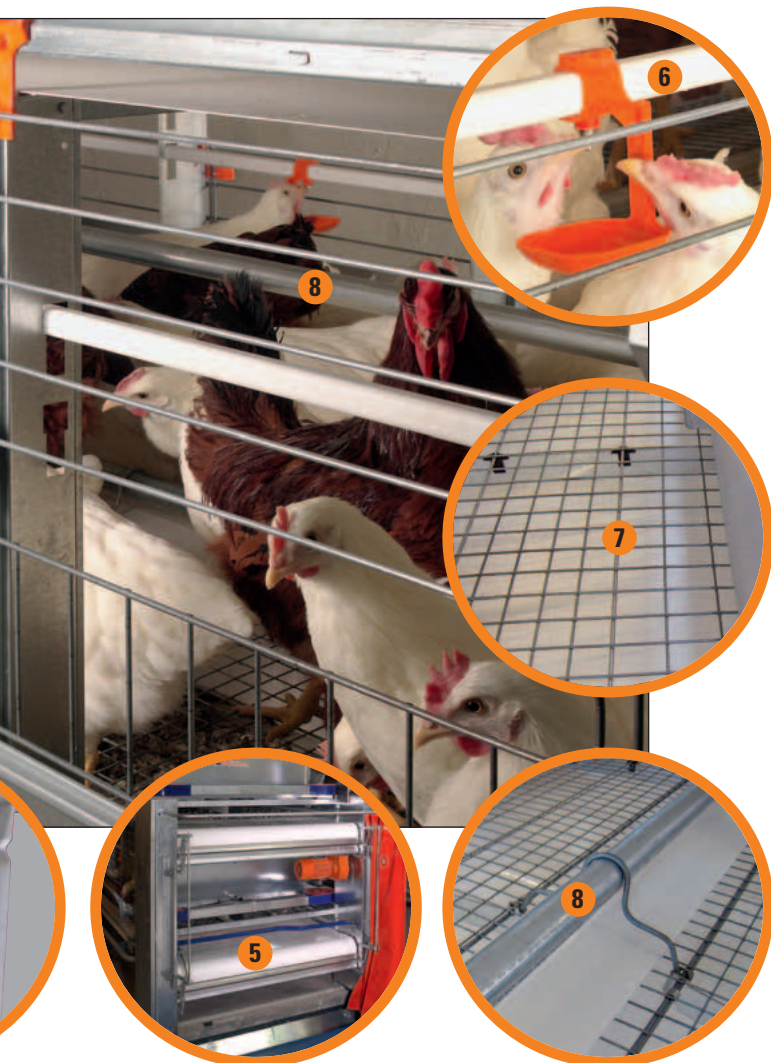
The EggSaver ensures safe rolling-off of eggs to the longitudinal belt. For this purpose, a thin wire is installed in front of the longitudinal egg belt which is lowered and lifted at predetermined intervals. An additional advantage is that the freshly laid, moist eggs can dry off before rolling onto the egg belt so that dust and feathers do not stick to the eggs.





Advantages

- ✓ optimum number of birds
- ✓ healthy and lively hens and males
- ✓ clean hatching eggs
- ✓ low salmonella risk
- ✓ uniformly high laying performance
- ✓ good feed conversion
- ✓ low mortality rate
- ✓ high effectiveness due to high degree of automation (feed and water supply, egg collection, manure removal)
- ✓ low labor and control requirements
- ✓ very low ammonia emissions
- ✓ hardly any fly population
- ✓ in case of manure belt ventilation, dry manure with up to 60 % dry matter content which can be conveniently stored and spread.



6 Water supply

Nipple drinkers are located at the outside of each cage providing the birds with clean and fresh drinking water. They can be installed at different heights for males and hens. Nipples are made of stainless steel; drip water cups collect splash water. This prevents corrosion and keeps the manure dry.

7 Bottom wire

The bottom grille is placed on tension wires that are extended along the entire length of the cage system. This ensures great flexibility, and significantly reduces the number of cracked and broken eggs. The bottom wire itself consists of different mesh sizes: In the centre area of the cage, mesh size is 1 x 1 inch for more stability for the birds and thus higher hatching rates. In the trough area, mesh sizes amount to 1 x 1.5 inch so that eggs roll off better to the longitudinal belt.

8 Perch

In the centre of the cage there is a perch equally well accepted by males and hens. As an option we offer a second perch at a raised position that the birds mainly use at night.

5 Manure belt and air duct

Manure belts beneath the bottom wires collect the manure that can remain there up to 7 days. Fresh or circulating air from the air duct directly above the manure belt efficiently dries the manure and reduces ammonia emissions in the house.

Performance data that can be achieved with EUROVENT-Parents:

70th week of life

| | |
|-----------------------------------|---------|
| Laying performance per hen housed | 290-300 |
| Hatching eggs per hen housed | 260-270 |
| Average hatching performance (%) | 78-80 |
| Female chicks per hen housed | 95-100 |
| Mortality rate in week 70 (%) | 6-8 |

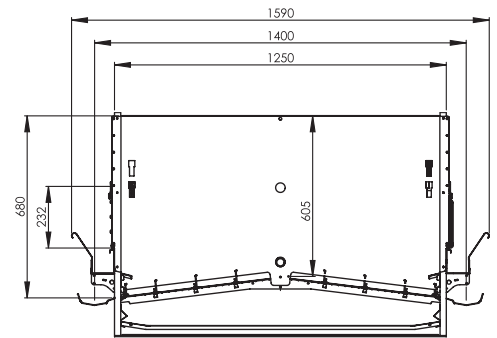
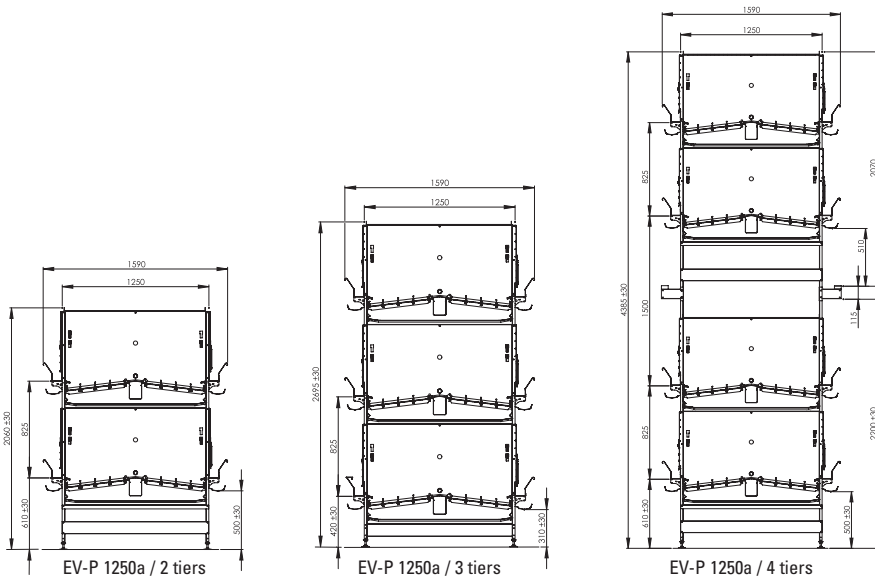
Technical data and planning aids regarding EUROVENT-Parents

Cage dimensions

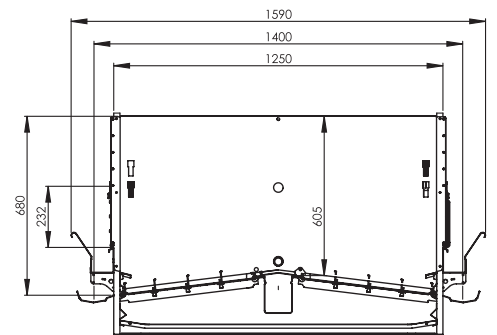
| Type of system | | EV-P 1250 | EV-P 1250a |
|-------------------------------|------------------------------|--|---|
| Length | mm | 603/1206/1809/2412/3015/3618/4221/4824 | (variable in steps of 603 mm/23.7 inch) |
| Width (from trough to trough) | mm/inch | 1250 | 1250/49.2 |
| Height (centre) | mm/inch | 605 | 605/23.8 |
| Height (outside) | mm/inch | 680 | 680/26.8 |
| Surface recommended/bird | cm ² /square inch | > 600 | > 600/93 |

Dimensions cage section

| | | EV-P 1250 | EV-P 1250a |
|------------------|---------|-----------|------------|
| Length | mm/inch | 2412 | 2412/ 95 |
| Width | mm/inch | 1590 | 1590/ 62.6 |
| Height (2 tiers) | mm/inch | 2060 | 2060/ 81.1 |
| (3 tiers) | mm/inch | 2695 | 2695/106.1 |
| (4 tiers) | mm/inch | 4385 | 4385/172.6 |

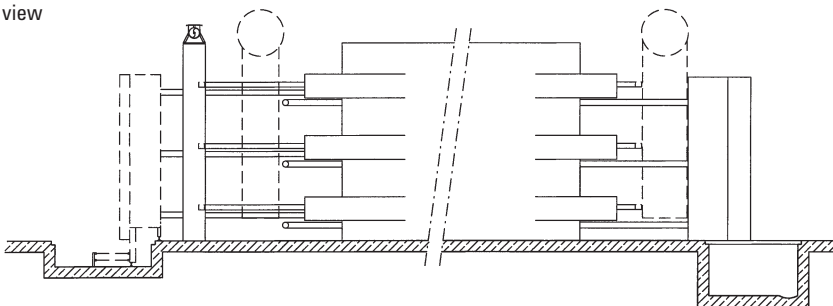


Cage cross section of EV-P 1250 (without air duct)

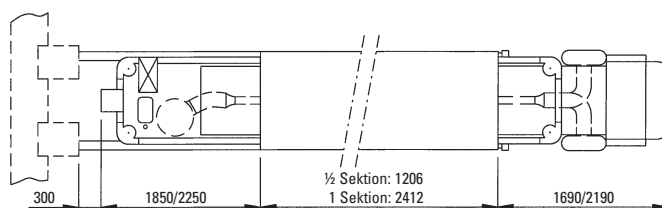


Cage cross section of EV-P 1250a (with air duct)

Side view



Top view



EUROVENT-Parents is the most important component of a house for keeping layer breeders. Egg collection systems, the house environment and manure storage however also belong to the total concept. Please let our experts advise you in detail on all possibilities Big Dutchman can offer you for a successful layer breeder management.



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