

AVIARY CAGES SYSTEM FOR BREEDING HENS



Nest for laying



Manure removal system



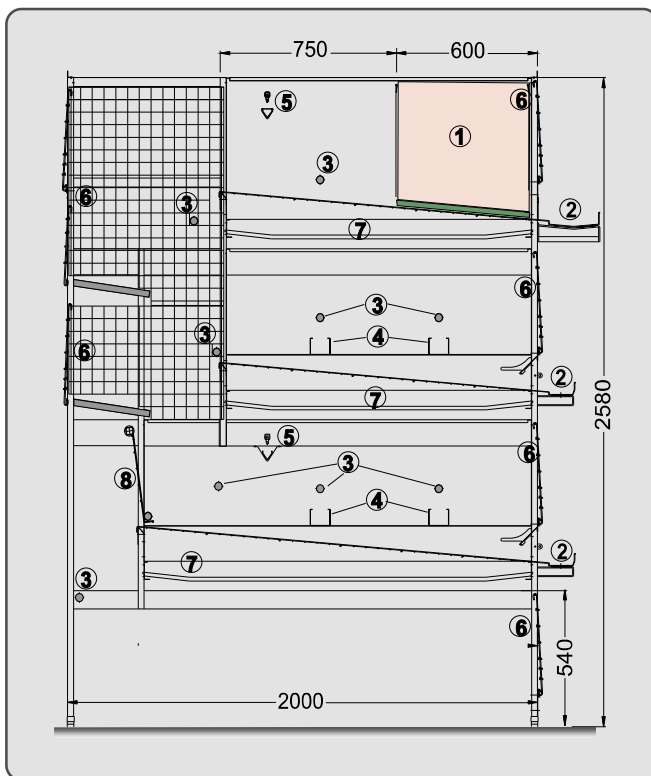
Perch



Closing all layers

Aviary equipment for breeding hens 3NV09 is new type of aviary. Aviary construction is the basis for idea of profitable, high-quality egg production and also comfortable of hens and for easy handling for operative personals. Aviary equipment of course complying European Union directive about minimal standards for safety of breeding animals 208/2004 in alternative colony systems of layer breeding.

Scheme of aviary cages



Description: 1.Nest, 2.Egg belt conveyer, 3.Perch, 4.Feeding system, 5.Drinking system, 6.Pivoted door, 7.Manure belts, 8.Moveable door

Every row of aviary cages are construction and arrange in the house so there can be passages without hens and litter which are used for inspection. This passage makes simple control healthy condition of hens, condition of nest and egg belt. This passage also is using for loading of hens on the beginning of breeding cycle and for easy access for operative personal same as with enriched colony system.

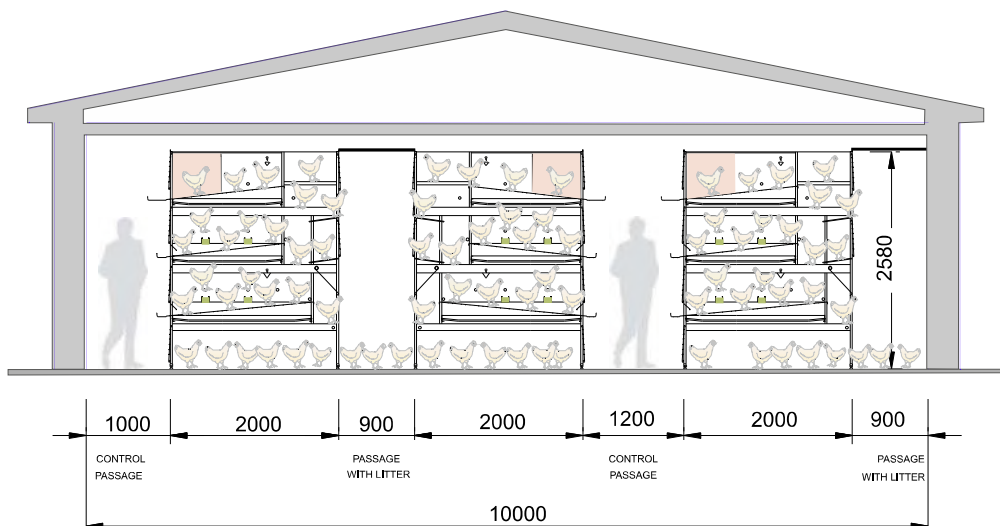
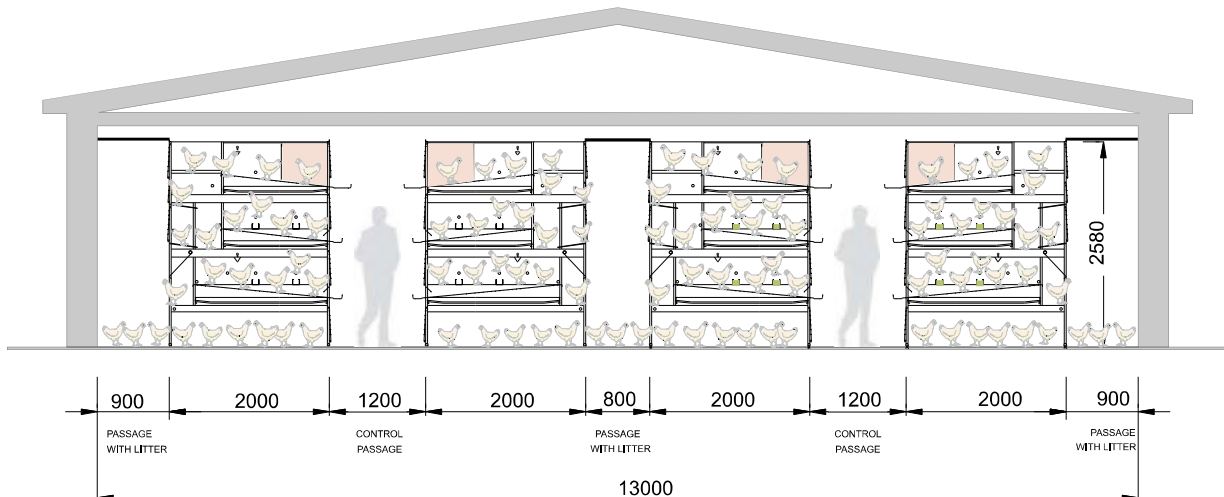
Rows have got maximum four layers included of layer with litter. Nests are stayed in the highest floor and with easy access from passage. Two middle layers have got same as nests slope of the floor directed to the passage in the case egg has been laid outside of the nest in the adaptation period for hens after beginning of breeding cycle. In this period which is timeless hens are block to have access to litter layer with wooded sticks thru whole length of the row.

Aviary cages are designed for hens to have easy movement between layers. This can be done because of moved floors against each another and perches. Floors are made from galvanized screening which are covered by polyethylene in the nest. Useful flooring space 4,5 m² for normal meter of aviary cage. Equipment is selected do the module of 2,4 m which helps faster adaptation of the nests, equally using nest and for operators easier handling with the hens.

Chain feeding system use and drinking are placed inside of the aviary cage and make sure that every hens have got access from all layers and complying directive standards. Equipment has got by both sides pivoted doors which kept access to every part of the aviary equipment.

Collecting of egg in all layers is automatically. Eggs are delivered via the egg belt conveyer straight to the beginning of the row where is placed egg collector or straight to the external egg conveyer.

Examples of arrangement of aviary cages



Advantage of aviary cages 3NV09

- Every second passage between of rows stays without litter bedding and it is used for checking of animals and handling of equipment.
- Normally control passages are used for:
 - easy loading and unloading of hens,
 - everyday checking of healthy condition of hens,
 - collecting eggs by hand,
 - maintenance of technology equipment.
- Passages with litters are fencing to avoid run of hens to another parts of the house.
- Nest and egg belt conveyers are accessible from control passage which can be use for collecting eggs by hand.
- Every equipment on every side and layer of aviary cages have got pivoted doors which allows operators to keep hens just in the cage part of equipment.
- Every row of aviary cages are working independently so it does mean that in one house could be just one row of aviary cages system.
- This is ideal capacity of the house also for houses with high above 2,4m.
- In the beginning of breeding cycle hens stays closed in the cages similar way as in enreached colony systems. This way hens have got easy access to the feed and the water. This process will make better start for laying performance.
- Aviary equipment system is built by module which has got length 2,4 m.
- Aviary equipment system is designed for hens to have easy access to every layer.
- Control passages are useful for operatives to do maintenance of the equipment.