EURO C3

EURO C3 MAX

For over 50 years Facco has been a world leader in the supply of ready to use avicultural systems and the know how acquired in many countries on different climatic, environmental, social, and cultural conditions has enabled the company to propose and create integrated projects that have given considerable progress to local avicultural markets in various countries and to anything else in the field.

Facco is the only company in the world that acts as a global interlocutor in the entire poultry egg and meat production chain.

Operations start from an in-depth study of the client's needs and the market, which are different and unique each time, then move on to excellent planning of the entire project in its each and every detail.

Facco produces, in a very efficient and industrialized way, a part of its equipment in its mechanical factories in Italy, which are among the most modern in the country.
It interfaces, however, in an important way with local structures in order to optimize the mix of imported products and those produced on site, to make the most of the territory in question.

Facco is characterized by a strong ability to take root in the territory, becoming part of it and integrated in the market, offering the technical and management assistance needed for the systems to run well, which, due to their complexity and cost, must give long lasting economic returns and maintain a high value through time.

Facco also wants to guarantee this.

STANDARD:

Directive 1999/74/CE of the European Council on July 19, 1999.
The batteries meet the criteria requested for new installations starting from January 1, 2002, that is:

- 750 cm2 per hen, 600 of which can be used;
- minimum height of the usable area is 45 cm;
- minimum height of 20 cm in the unusable area;
- a nest for depositing eggs of only one hen or a group, the bottom of which is not made of metal net;
- 15 cm of perch per hen;
- 12 cm of trough space per hen;
- adequate drinking troughs for the number of hens;
- litter that permits the hen to scratch and peck;
- 90-cm corridors among the rows of cages;
- 35 cm from the ground to the first plane;
- Device to shorten the claws.

As early as 2000 FACCO developed the new European battery "Euro C3", making the most of experience gained in Reproducer batteries in the 1990's. Reproducer batteries, in fact, are very similar to the new batteries. The experience in reproducer farms and the study with tests on various systems made with European batteries have allowed Facco to do an in-depth study of all the new characertistics of these cages, in particular:

- Nest, therefore in particular the best sizes, materials and positions
- Footrest (cell bottom) and therefore the importance of a flexible bottom where the animal can freely move
- Perches and therefore the importance of studying a perch that permits not dirtying the bottom, and thus the eggs, and at the same time that enables a "natural" position for the perched hens.
- Cell size, this is a fundamental point because hens tend to create groups or colonies, cells that are too big have too many leaders, while cells with 40/50 animals have proven to be the best for animal welfare and therefore for farming performance.

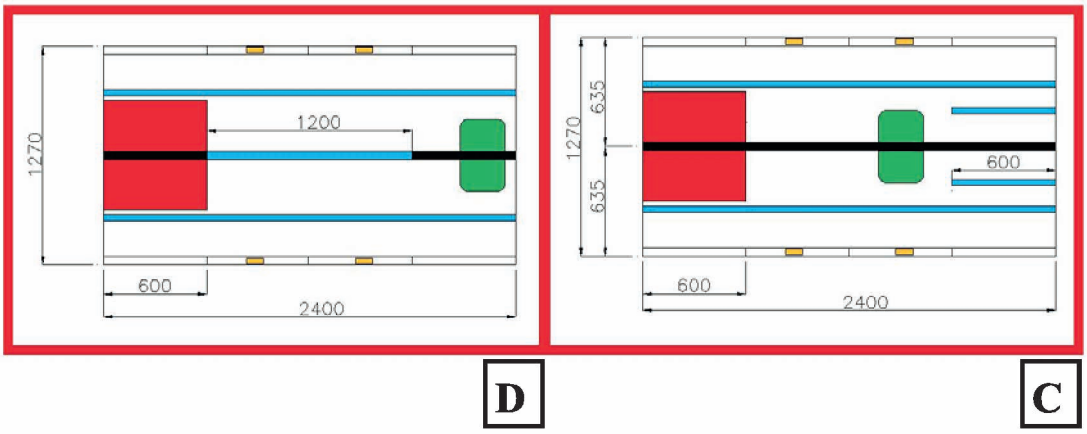
Therefore, from the experience with Reproducers gained in the 1990's, we started to build the new cage that was developed from 2000 on and is now a reference for the most important European breeders.

EURO C3:

The **"EURO C3"** battery has 2.4x1.27 m modules and there are two different configurations:

Type "C"; the module consists of two cells divided by a longitudinal net partition. Each cell has 240x63.6 cm of useable space and can hold 20 hens (763.2 cm/animal).
In order to comply with standards on the perch size per animal (15 cm), each cell has a 240-cm perch and a 60-cm one.

Type "D"; the module consists of an entirely open 240x127-cm cell and can hold 40 hens (762 cm2/animal). The central litter transport tube acts as a perch, therefore this configuration provides two 240-cm perches on the sides and a central 120-mm one.
The nest and scratching area are divided by two small net partitions in order to prevent the hens from using the perches in these two areas.



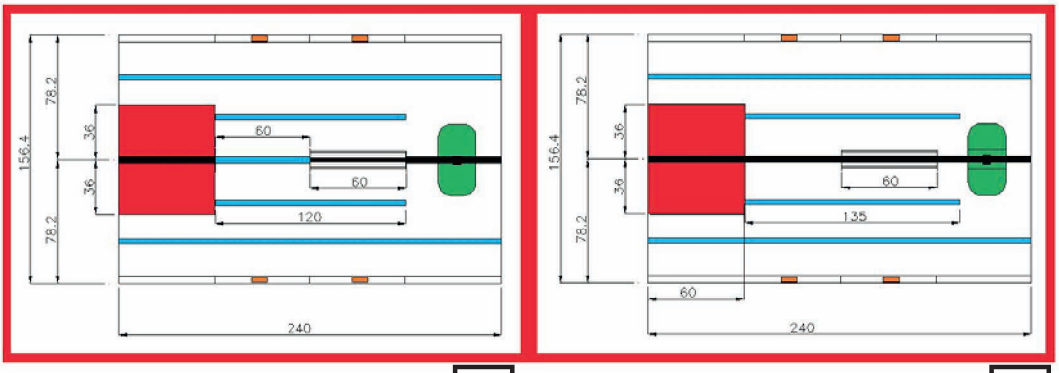
D C

EURO C3 Max:

The **"EuroC3 Max"** battery derives from the "EuroC3" and maintains the module length (2.4 m) but the depth is greater; the "Max" battery has the characteristic of having a feeder inside the module that permits complying with the standard of 50 animals/module (compared to 40 in the EuroC3).
The **"EURO C3 Max"** battery has 2.4x1.564 m modules with two different configurations:

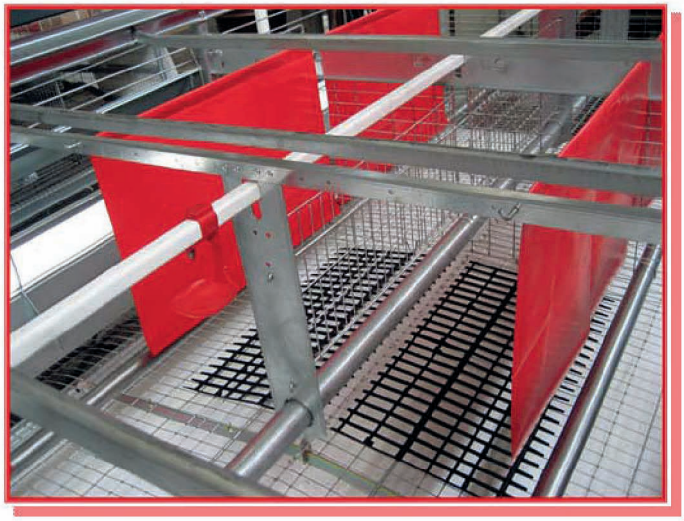
Type "C"; the module consists of two cells divided by a longitudinal net partition. Each cell has 240x78.2 cm of useable space and can hold 25 hens (750.7 cm2/animal).
In order to comply with standards on the perch size per animal (15 cm), each cell has a 240-cm perch and a 135-cm one.

Type "D"; the module consists of an entirely open 240x156.4-cm cell and can hold up to 50 hens (750.7 cm2/animal). The central litter transport tube acts as a perch, therefore this configuration provides two 240-cm perches on the sides and a central 120-mm one.
The nest and scratching area are divided by two small net partitions in order to prevent the hens from using the perches in these two areas.



D C

IMPORTANT DETAILS:



NEST

European standards require the NEST.
We have developed a very wide NEST with a bottom made of a plastic carpet attached to the net with the following advantages:

A) it is perforated and therefore permits excel lent cleaning.
B) Possibility of easily removing them.
C) Form designed to facilitate egg expulsion and to limit steps that can damage the eggs.

The nest walls are made of a very resistant red-colored material; red has proven to be appreciated by the hens.

FOOTREST SUPPORT

The footrest supported underneath permits excellent cage cleaning and by supporting the footrest from below transversal footrests can be avoided inside the cage, or in any case supports that block the free movement of the animals, and in particular of the eggs. The special lower support of the C3 series permits tensioning the longitudinal wires placed under the footrests in order to guarantee optimal inclination. The special “SOFTBALANCED” design of the footrest obtained from the differentiation in the steps of the wires making up the mesh guarantees the least egg breakage possible.

METAL PERCHES

They are placed longitudinally with regard to the battery modules and have been designed in order to avoid “intersections” that can make the free movement of the animals difficult and they are set where the animal does not naturally rest and above all where dirt accumulates.
The perches have the following characteristics:

- Round, it is therefore the most “natural” system for hens to have a safe grip and they assure excellent cleaning during the cycle.
- Positioned longitudinally to facilitate hen movement inside the cell without obstacles without obstacles. The perches placed longitudinally favour nocturnal perching without interfering with egg collection during the day
- Perch height has been studied in order to permit the hens to walk on the footrest even under the perch and therefore guarantee excellent cleaning of the entire footrest and therefore of the eggs.

IMPORTANT DETAILS:

CLAW FILING

Claw filing is done directly on the front base plate, thus guaranteeing maximum efficiency without the need for additional parts.
The particular design of the front base plate provides a foothold during the hen's stay on the plate to eat and therefore prevents slipping, which could endanger the eggs below.

SCRATCHING

As set forth by standards in force the sand bath for hen scratching is structured in order to be adapted to any future prescription on the subject of materials to be used.

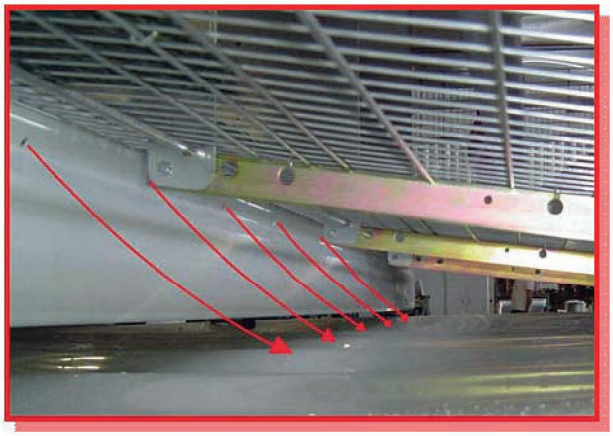
The scratching carpet in plastic is attached to the cage bottom, the plastic surface prevents the accumulation of waste, thus improving hygiene and cage cleaning.

ADDITIONAL FEEDER only for MAX

Additional feeder with a shape and size that prevents wasting feed and avoids dirt/waste from stagnating where the animals feed.

DRYER

The "Euro C3" batteries have the possibility of being implemented with a drying tube.



IMPORTANT DETAILS:

AUTOMATIC ADVANCEMENT

The eggs are mainly produced near the nest, therefore the egg belts are made to automatically move forward during the day to permit the eggs being uniformly distributed along the entire length of the egg belt. The egg protection system combined with the automatic advancement of the egg belt on one hand permit minimizing breakage due to eggs colliding, and on the other permit the best management of the uniform distribution of eggs along the belt.

CELL DOOR:

In European batteries the doors slide on an autonomous frame. The size of the door and its frame attachment system permit always guaranteeing the door is perfectly closed and avoiding that the doors easily unhinge, compromising the movement of the trolleys.

EGG COLLECTION:

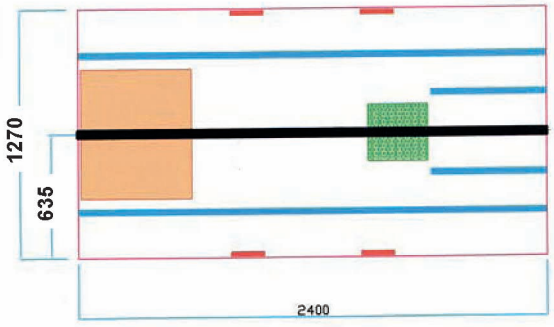
The most copied yet never emulated egg collection system on the market, NIAGARA, thanks to its construction details, guarantees habitability and low breakage.

EURO C3-C3MAX

TECHNICAL FEATURES						
	BIRDS CAGE	BIRDS/UNIT/ TIER	CM^2 AREA BIRD	CM^2 USABLE AREA/BIRD	CM PERCH BIRD	CM FEED TROUGH
C	20	40	750	640	15	12
D	40	40	750	640	15	12

The module of **"EURO C3"** battery cage is 2.4 m long and 1.27 m deep, so it is fit for several solutions:
Type C) 2 sections per module, each one 2.4 m long and 63.5 cm deep, with 20 layer hens;
Type D) 1 section per module 2.4 m long and 1.27 m deep, with 40 layer hens
Each section is furnished with nest, perch and litter bath

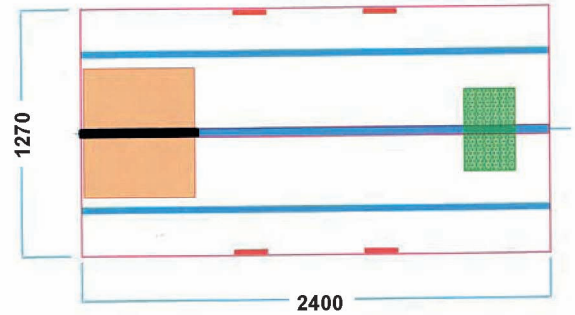
C

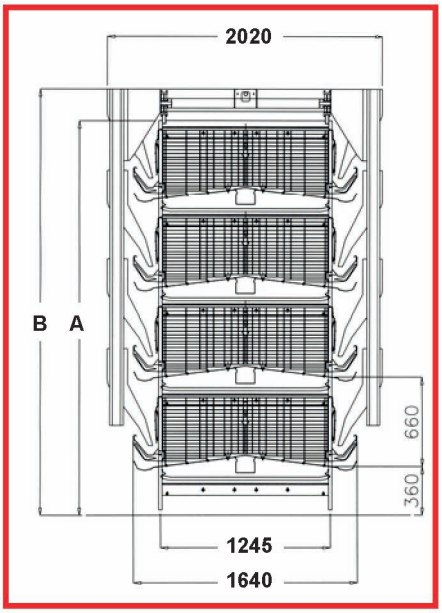


(KEY)

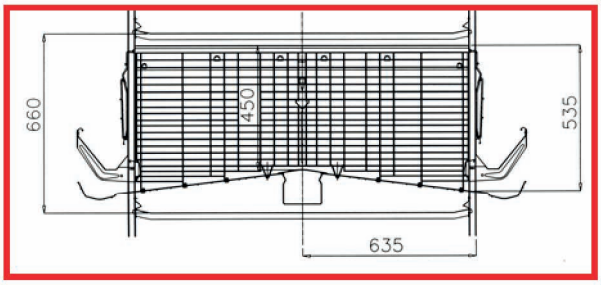
1) NEST
2) LITTER
3) PERCHES
4) CLAW SHORTENING DEVICE
5) PARTITION

D





TIERS	"A"	"B"
3	2260	2495
4	2920	3155
5	3580	3815
6	4240	4475



TECHNICAL FEATURES						
	BIRDS CAGE	BIRDS/UNIT/ TIER	CM^2 AREA BIRD	CM^2 USABLE AREA/BIRD	CM PERCH BIRD	CM FEED TROUGH
C	25	50	750	640	15	12
D	50	50	750	640	15	12

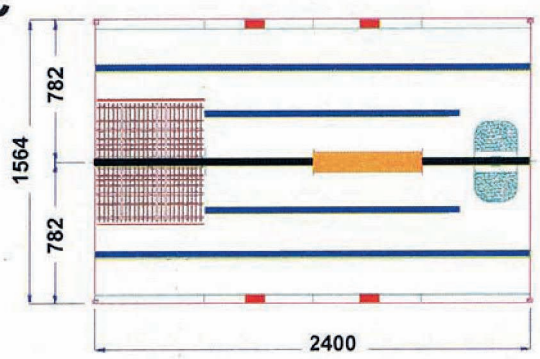
04/10 - Centrooffset Master

The module of **"EURO C3 MAX"** battery cage is 2.4 m long and 1.564 m deep, so it is fit for several solutions:
Type C) 2 sections per module, each one 2.4 m long and 78.2 cm deep, with 25 layer hens;
Type D) 1 section per module 2.4 m long and 1.564 m deep, with 50 layer hens
Each section is furnished with nest, perch and litter bath

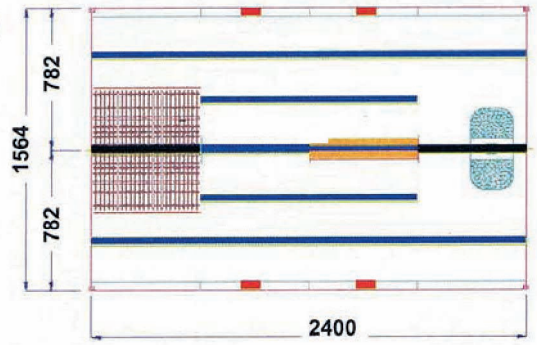
(KEY)

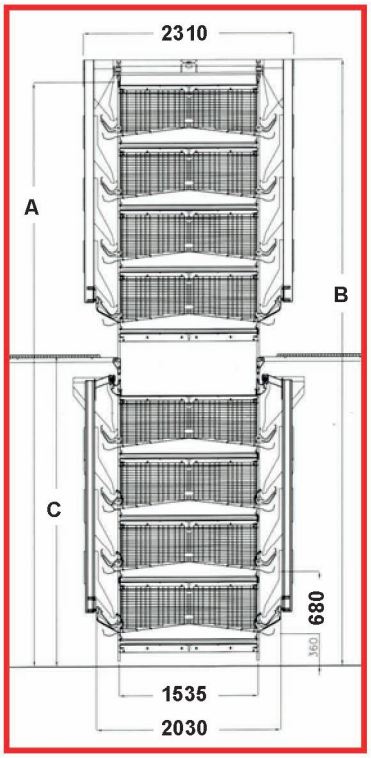
1) NEST
2) LITTER
3) PERCHES
4) CLAW SHORTENING DEVICE
5) PARTITION
6) SUPPLEMENTARY CENTRAL FEEDER

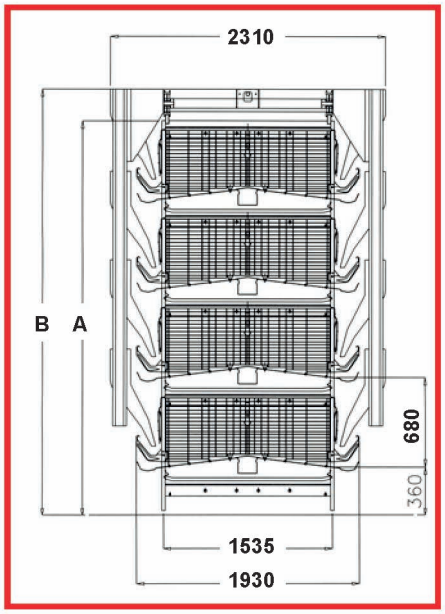
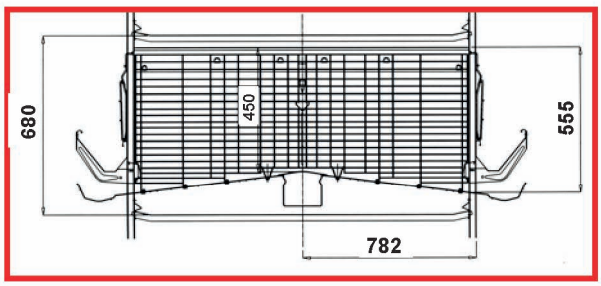
C



D







TIERS	"A"	"B"	"C"
3	2310	2555	
4	2990	3235	
5	3670	3915	
6	4350	4595	
4+4	6438	6623	3400