



## **BROILER**

### **MULTI TIER**



**FACCO**  
POULTRY EQUIPMENT



# BROILER MULTI TIER

The **Facco Broiler** cage originates from Facco's long poultry farming experience and from the innovative test cycle carried out on broilers of various breeds and weights

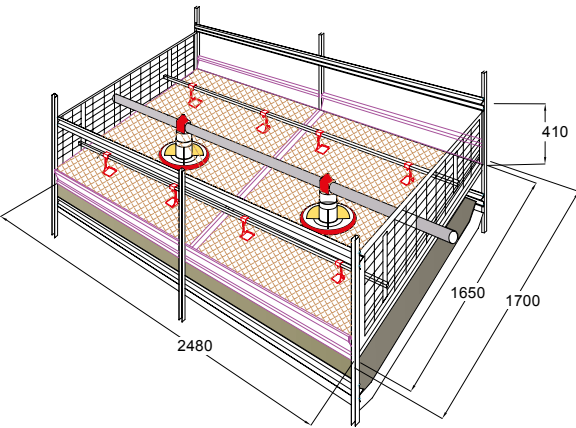
The special plastic material of the floor, together with the mechanical frame, provide a flexible and steady support that ensures the optimum development of the animal's feet.

Cage dimensions were selected which would maximize the animals' welfare and guarantee an optimum use of the space, thereby avoiding unnecessary cage depth.

Facco designed two different versions of the BROILER MULTIPIANO "B3":

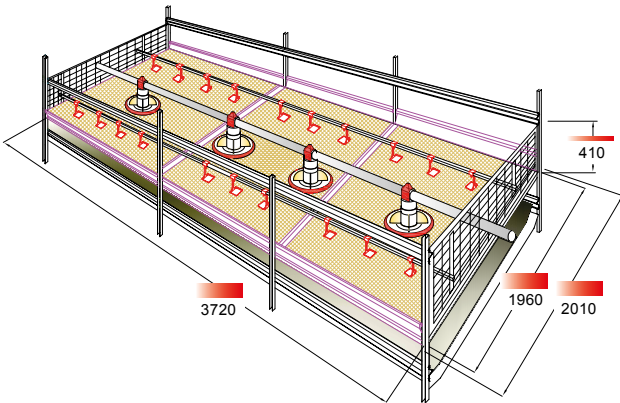
- B3 classic, module 248x165
- B3-MAX, module 372x196

BROILER CAGES B3 - 248x165

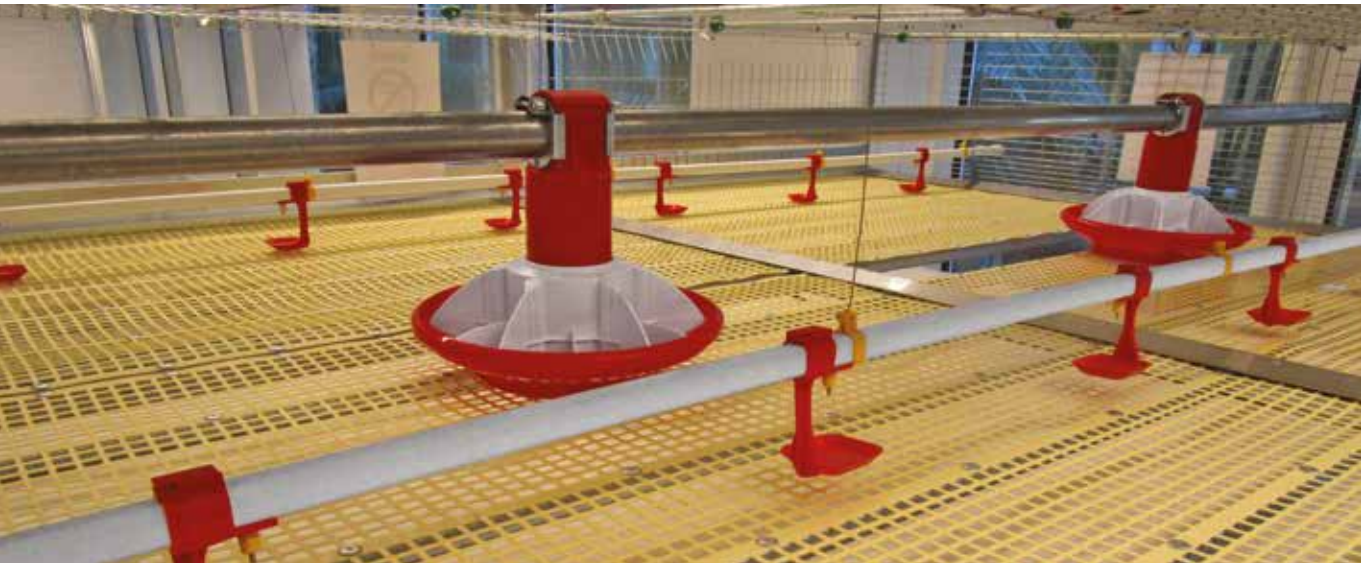


WEIGHT	BIRDS	cm² bird	n. nipples
1,5	130	315 cm²	12
2	113	362 cm²	10
2,5	96	426 cm²	8

BROILER CAGES B3-MAX - 372x196



WEIGHT	BIRDS	cm² bird	n. nipples
1,5	231	316 cm²	22
2	201	363 cm²	18
2,5	171	426 cm²	16



# BROILER MULTI TIER

## FEEDING SYSTEM

The feed pans (two in each cage - B3 model) or four feed pans (B3-MAX model) have been developed in order to feed the animals from their first day of life to the end of the cycle, bringing feed wastage down to a minimum. The feed pans is built so that the adult broilers are unable to roost on it and to facilitate the access of the animals from the first days of the cycle.

At the same time, the structure allows the chicks to go in and out of the trough without getting stuck.

The height of the whole feeding line may be adjusted. In fact, the trough has been designed so that the quantity of feed released can be adjusted according to the animals' age by simply adjusting its height.

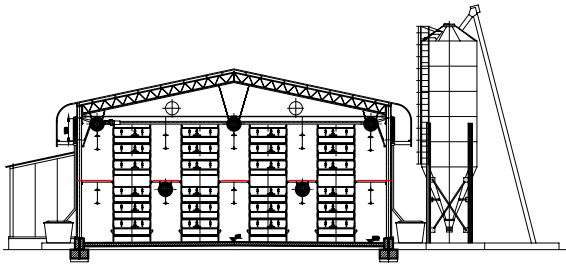
The feed is transported from the silo to the trough by way of a special system made of spirals that ensure individual feeding on each level of each row.

This mechanism guarantees a uniform distribution of feed over the whole system.



## ACCESSORIES

The system's capacity can be boosted by stacking batteries in up to **8 floors** being divided by a catwalk, which facilitates the maintenance and inspection of the system, as well as the loading and removal of the broilers.



As an optional extra, you may order the light and manageable **inspection trolley**, which allow the upper levels to be reached easily. They hook onto the battery cage forming a stable base where workers can move rapidly and in complete safety.





## BROILER MULTI TIER

### WATER DISPENSER

Water supply is a further fundamental element which determines the animals' welfare. Our solution offers a centralized lifting system for every water dispenser allowing the animals to drink at the correct height throughout their life cycle. In order to guarantee each animal the appropriate quantity of water, two different water supply lines are placed in each cage with 8 to 12 (B3 model) or from 16 to 22 (B3-MAX model) nipple drinkers, according to the needed animal density.



The features of the nipple drinkers and the presence of a small cup allow the correct quantity of water to be distributed throughout the cycle, at the same time avoiding wastage and loss water.



### FLOOR SURFACE OF THE CAGE

The type of surface on which the animals stand is very important in broiler farming. In fact, the floor surface of the cage must provide a stable and flexible support, in order to avoid the formation of hematoma on the broiler's chest, which would impair the meat. Facco has developed a removable floor surface that ensures considerable stability and durability over time. Moreover, a special flexible grid enables the following results to be reached:

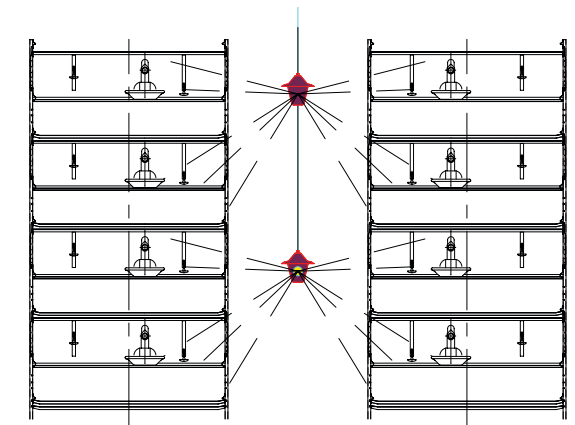
- high meat quality,
- "automatic" removal of the broilers at the end of the system.
- a floor surface which is permanently clean. Unlike traditional litter, the grid prevents the animals from living in contact with their manure. The quality of the cage's floor surface provides significant benefits from the point of view of health and system management, while considerably reducing the risk of disease and to the use of medication (anti-coccidiostats, etc.);
- the plastic piece ensures a long-term endurance;
- it has been developed a special design which is very light and without sharp edges. Thereby the bottom part is cleaner, very easy to clean and more hygienic.



## BROILER MULTI TIER

### LIGHTNING

Having correct and consistent lightning in the cage is fundamentally important for an optimum growth of the chicks as it allows them to immediately find water and feed. Moreover, the light intensity influences growth and mortality factors. We can provide lamps with two different heights (placed on 3 or 4 levels) as well as other solutions to meet the needs of our clients.

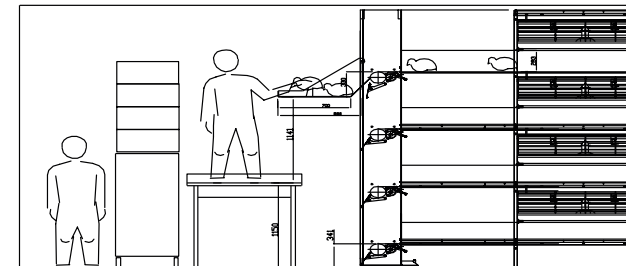


### BROILER REMOVAL

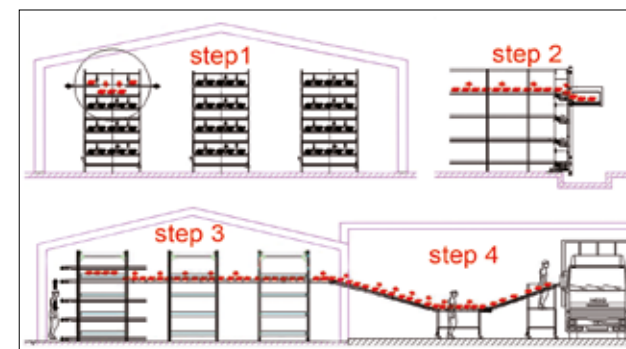
One of the great advantages of the cage system in comparison with the barn systems is the time saved in the emptying and the cleaning/disinfection processes. The automatic broiler collection system shortens the timeframes and reduces the resources needed to empty and restart the system. This allows an additional production cycle to be achieved at the end of the year.

Facco has developed two main systems for collecting the broilers from their cages:

**1. Semi-automatic broiler collection:** the broilers are transported with a conveyor belt up to the tables at the final part of the system.



**2. Automatic broiler collection:** through a lifter system at the final part of the system. The lifter system is a belt system that automatically brings the animals outside the system so that they can easily be loaded onto the cages to be transported. This polypropylene belt collects the broilers coming from all battery rows. You may choose between various solutions to facilitate the loading process of the broilers outside of the system: a collection table, rotating table or more automatic systems developed according to the needs of the client.





MEAT QUALITY

The caged broiler has no contact with litter, which may often be damp and acidic. Moreover, as previously explained, having no contact means that the ventilation inside the batteries is better. These two factors result in greater animal welfare, lower mortality, together with a reduction in the number of pharmaceutical treatments, thereby reducing costs.

Greater environmental quality, combined with the flexible floor surface, ensures excellent meat quality, while reducing costs and saving time between one cycle and another.

Why choose battery cage farming for broilers?

Space

With the same amount of space, the use of broiler batteries allows at least three times as many animals to be farmed. In systems equipped with catwalk, the animal density may be even greater.

Feed conversion ratio

Very promising figures resulting from recent tests indicate that the feed conversion ratio for 2 kg broilers is 15/20% lower than in barn farming.

Number of cycles

Generally in a barn system, for 2 kg broilers, the estimated number of cycles per year is 6, while in a battery cage system, it is possible to reach 7/7.5 cycles, with an increase of 25% in the annual production.

This is due to the fact that:

- the desired weight is reached faster,
- a great deal of time is saved in the emptying and cleaning phases.

Energy saving and ventilation improvements

Battery cage farming ensures better utilisation of the ventilation. It has been seen in particular that the best ventilation is with the tunnel which channels the air speed to promote the animals' welfare.

In a barn system this is not possible because the animals live just a few centimetres from the ground and, consequently, an extensive number of ventilators would be needed to reach the appropriate speed.

Savings on workforce

Using the broiler battery system, workforce resources may be saved both in normal maintenance during the cycle and in broiler entry and collection.

Savings on medicine

Caged animals are less susceptible to contract diseases, as they are not in contact with the litter. This represents an advantage for animal welfare as well as an economic advantage, since medicine usage is reduced.

Meat quality

Facco periodically inspects the meat cycle right up to the slaughterhouse. Our tests demonstrate the high quality criteria of meat produced in cages, including:

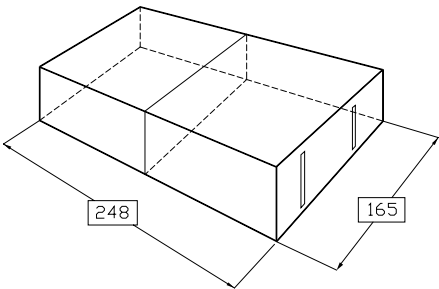
- absence of pectoral haematoma and perfectly white meat,
- lower possibility of bone fractures thanks to a less risky animal collection system.

Small flocks

In battery cage farming, animals live in small flocks, improving uniformity and access to feed and water.



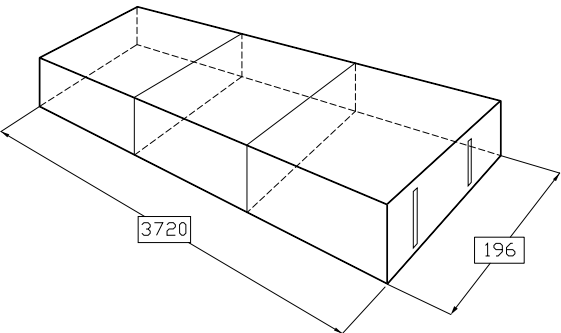
BROILER B3



	"A"	"B"	"H"
3 TIERS	170	257	267
4 TIERS	170	331	341
5 TIERS	170	405	415
3+3 TIERS	170	525	535
4+3 TIERS	170	599	609
4+4 TIERS	170	673	683

measures in centimeters

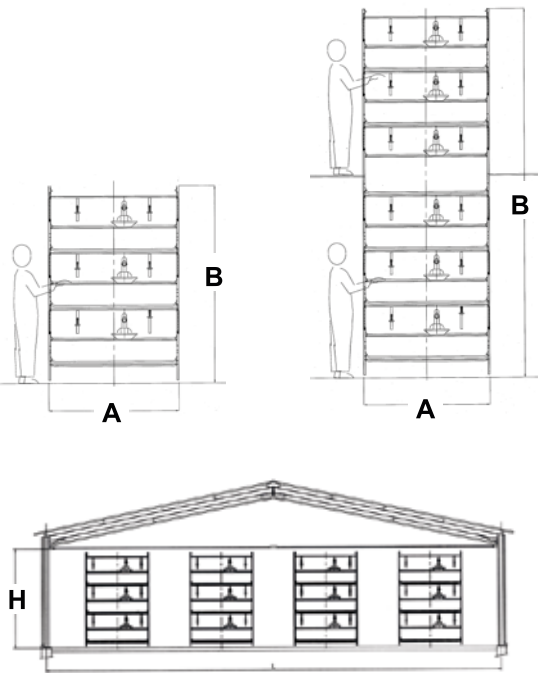
BROILER B3-MAX



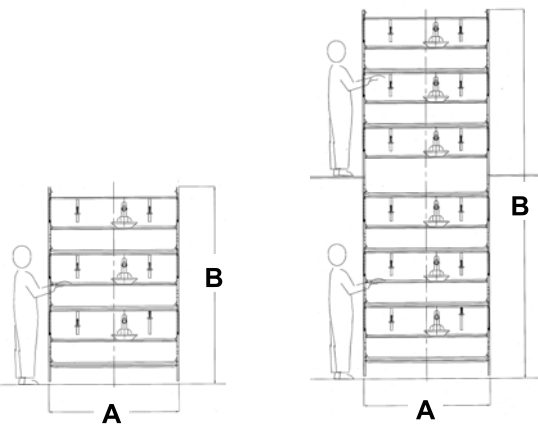
	"A"	"B"	"H"
3 TIERS	210	257	267
4 TIERS	210	331	341
5 TIERS	210	405	415
3+3 TIERS	210	525	535
4+3 TIERS	210	599	609
4+4 TIERS	210	673	683

measures in centimeters

WEIGHT	BIRDS	n°birds/feed pan	n° nipples
1,5	130	65	12
1,8	120	60	12
2,1	110	55	12
2,4	100	50	10
2,7	90	45	10
3	80	40	8



WEIGHT	BIRDS	n°birds/feed pan	n° nipples
1,5	231	57	24
1,8	213	53	21
2,1	196	49	18
2,4	178	44,5	18
2,7	160	40	15
3	142	35,5	15





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POULTRY EQUIPMENT

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