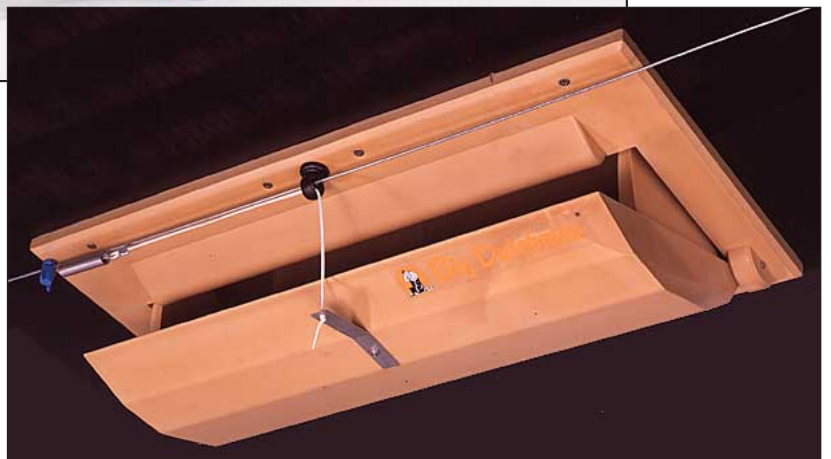




# Big Dutchman

CL 1200 and CL 30 S



**Fresh air units for various climatic conditions in the house**

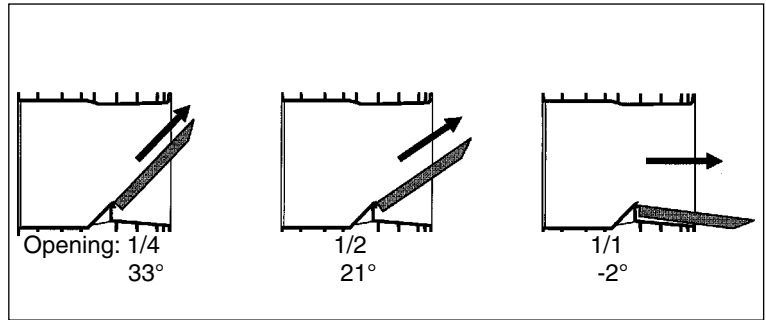
## Product description

Big Dutchman's CL 1200 is a universal fresh air inlet for installing in walls or for casting into wall elements. It is available in four different versions according to the wall thickness. The inlet is extremely rigid so that it can be fitted directly into the wall without additional supports.

CL 1211 F is a flange inlet particularly suitable for thin walls and existing houses. It is inserted into the wall opening from the inside and fixed with screws. For a wall thickness of 12 cm or more, an extension of the respective length is also available.

Optionally, each inlet can be equipped with a close-mesh or coarse plastic net against the intrusion of birds or small animals. CL 1200 and CL 1211 are made of recyclable, shock-proof, stable and UV-stabilised plastic material. They can be easily cleaned by a high pressure cleaner.

## Air direction with different opening angles



## Air capacity with different opening angles and negative pressure (in Pa)

10 Pa	400 m <sup>3</sup> /h	810 m <sup>3</sup> /h	1250 m <sup>3</sup> /h
40 Pa	820 m <sup>3</sup> /h	1630 m <sup>3</sup> /h	2490 m <sup>3</sup> /h

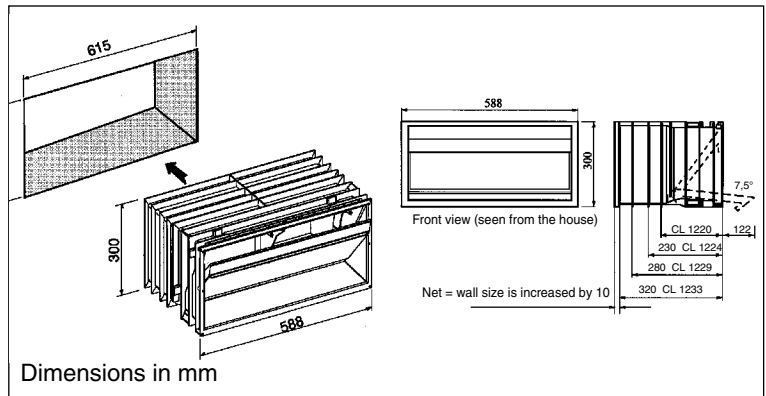
## Operational details

The insulated inlet flap is held in the closed position by means of a stainless steel spring, thus shutting off the house air completely from the outside. The inlet flap opens downwards when pulled, allowing a very precise control of the inlet opening each season. Cold fresh air is directed upwards and mixed there with the warm house air before it reaches the birds or animals.

If temperatures are very high, the inlet is fully opened (7.5 % below horizontal). The air is then directed into the building horizontally or slanted slightly downwards.

## Assembly

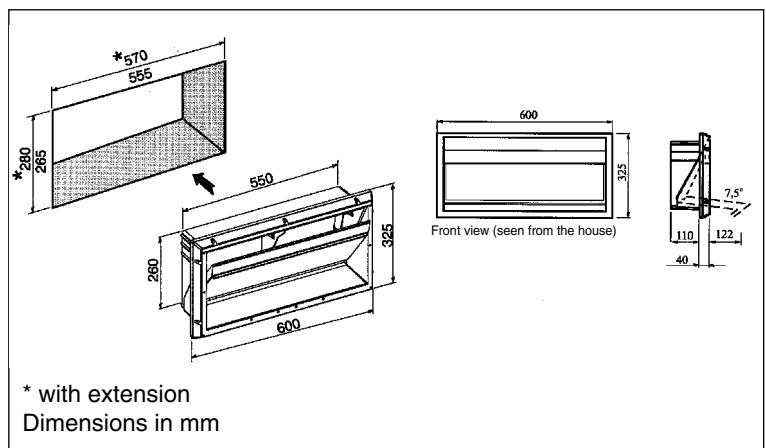
The installation height of the inlets depends on the type and use of the building. It has to be calculated to suit the individual house. The wall inlets are designed so that air quantities and air direction can be matched in every house. It is also possible to link several inlets to one big inlet. Please let our experts advise you in this respect.



## Control of the inlets

By means of the operating unit included, fresh air inlets can either be opened at the same time or one after the other. Patent is pending for this universal multi-staged inlet control with which it is possible to quickly determine at each inlet, which should open first and which later (e.g. 1/4, 1/3 or 1/2). By reducing the number of inlet openings, the remaining inlets can be opened more widely, particularly in winter or during the heating period = more stable air streams.

With the individual regulator unit, each inlet can be infinitely adjusted by hand.



## Accessories

### 1. Wind and light plate

This plate is recommended when the inlets are exposed to high wind pressure or when dimming of light in the house is required. The use of the wind and light plate reduces the air capacity of the inlet by approx. 7%. The colour on the inside of the plate is grey and on the outside red. Other colours are available. When the plate is painted in black, light protection is even increased.

Code No.	60.40.1280	60.40.1281
Width	550 mm	1100 mm
Material	steel plate	steel plate
Code No. (fitting)	60.40.1282	60.40.1283
Material	galvanised angle plate	
Distance between fittings:	2 m	

### 2. Drip plate

The non-corroding drip plate is mounted beneath the inlet on the outer wall. It protects the walling when the inlet is inset from the surface of the wall.

Code No.	60.43.3028
Material	stainless steel

### 3. Self-supporting net

A coarse or close-mesh plastic net fixed on the outside of the inlet prevents the intrusion of birds or small animals through the inlet into the house.

Code No.	60.43.3016 (close-mesh)
	60.43.3015 (coarse)

Material plastic

### 4. Air direction plate

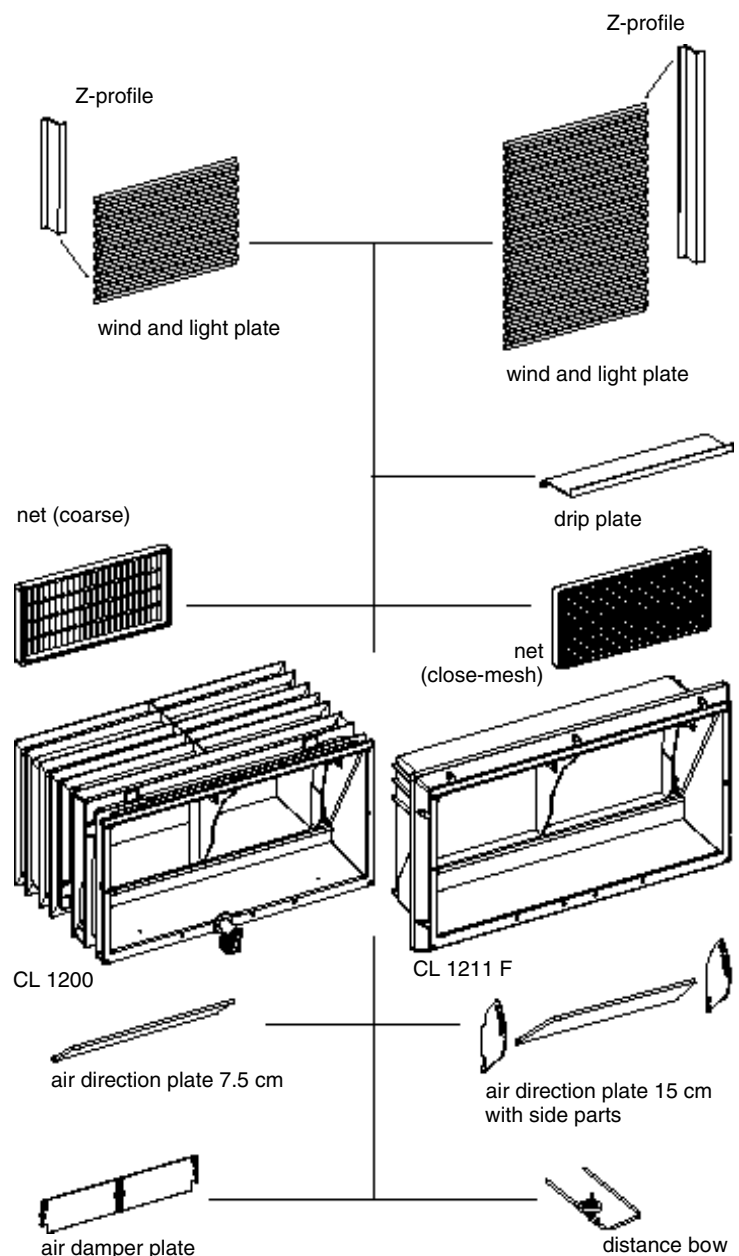
The air direction plate is for mounting on the upper edge of the inlet. It gives the air flow a more precise direction, particularly in cold weather. The air flow can be directed by changing the angle of the plate in relation to the wall.

Code No.	60.43.3012
Material	plastic

### 5. Air damper plate

If the difference in pressure in the house is only small (e.g. in narrow houses), we recommend the use of an air damper plate.

Code No.	60.43.3014
Material	plastic



### 6. Distance bow

The distance bow is used when tensioning rods have to be positioned around posts which cannot be drilled. The maximum distance from the wall is 24 cm (one bow/inlet).

Code No. 60.43.3017

## Technical data

Inlet	Code No.	Wall thickness (cm)
CL 1220	60.43.3140	20 - 23
CL 1224	60.43.3144	24 - 26
CL 1229	60.43.3149	29 - 32
CL 1233	60.43.3153	33 - 35

Dimensions (LxWxD, in mm)

- CL 1200	588 x 300 x wall thickness
- CL 1211 F	550 x 260 x 110 + extension

Inlet	Code No.	Wall thickness (cm)
CL 1211 F	60.43.3111	7 - 11
extension for		
CL 1211 F	20 cm	60.43.3047
	30 cm	60.43.3049
	40 cm	60.43.3051
	100 cm	60.43.3052
		12 - 28
		17 - 38
		22 - 49
		50 - 95

## Product and operational details of the CL 30 S ceiling inlet

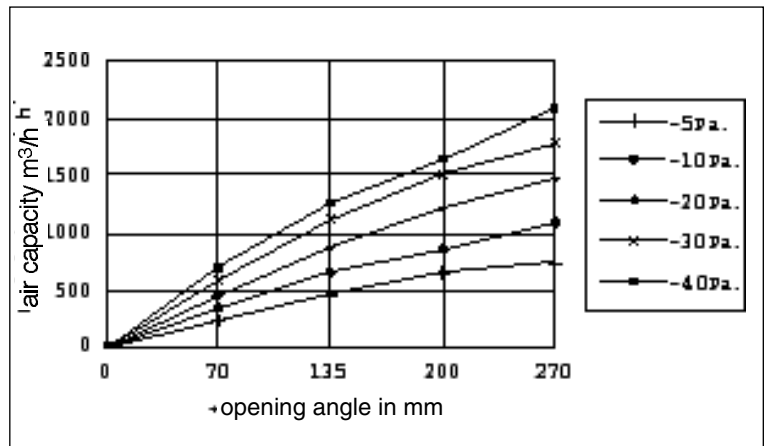
CL 30 S is a universal fresh air inlet made of polyurethane and is mounted beneath the ceiling. Air is supplied from the loft space. The inlet can easily be cleaned with a high-pressure cleaner.

CL 30 S is equipped with a flange for fixing to the ceiling. The inlet flap has a strong hinge and opens downwards.

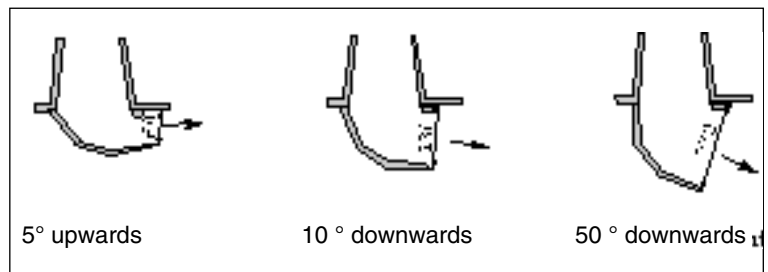
The inlet flap provides optimum control of the supply of fresh air. During cold weather, the inlet opening is only small, since only a small amount of fresh air is required. Air enters horizontally, close to the ceiling, and mixes gradually with the house air. During warm weather, the flap is directed slightly downwards. This means that the air is guided directly to the birds or animals. Since the opening of the inlet is restricted, a vertical stream of air is impossible.

The inlets can be adjusted by releasing a 2.5 mm steel wire or by pulling a 8 mm galvanized tension rod. The patented multi-staged opening is suitable for all inlets which are controlled by pulling a tension rod. The degree of opening can be readily selected (1/4, 1/3 or 1/2). This permits very precise guiding of the quantity of air. By reducing the number of inlet openings, the remaining inlets can be opened more widely, particularly in winter or during the heating period = more stable air streams.

### Air capacity with different opening angles and negative pressure (in Pa)

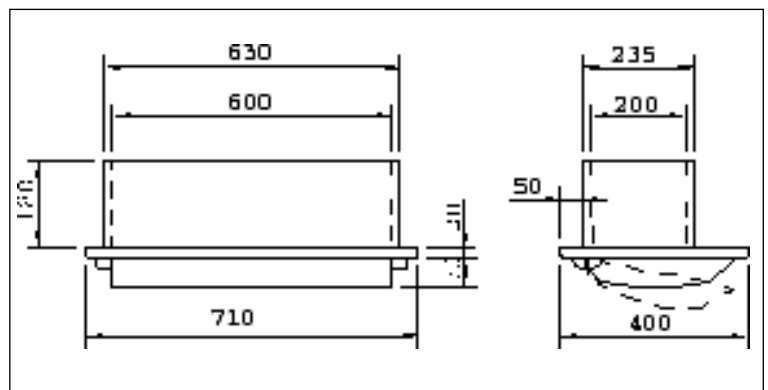


### Air direction with different opening angles



## Technical data and assembly of the CL 30 S ceiling inlet

Code No.	60.40.1305
Air intake surface	1200 cm <sup>2</sup>
Air capacity at 10 Pa	1080 m <sup>3</sup> /h
Materials	
- Frame, Inlet flap	polyurethane
- Spring, Screws	stainless steel
Dimensions (LxWxD in mm)	710 x 400 x 180
Drawing length (opening upon release)	320 mm
Drawing length (opening upon pulling)	220 mm
Necessary drawing force to open	40 N



# Big Dutchman

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Technical details are subject to change. e 11/97