

Technical data (1,5 HP Models)

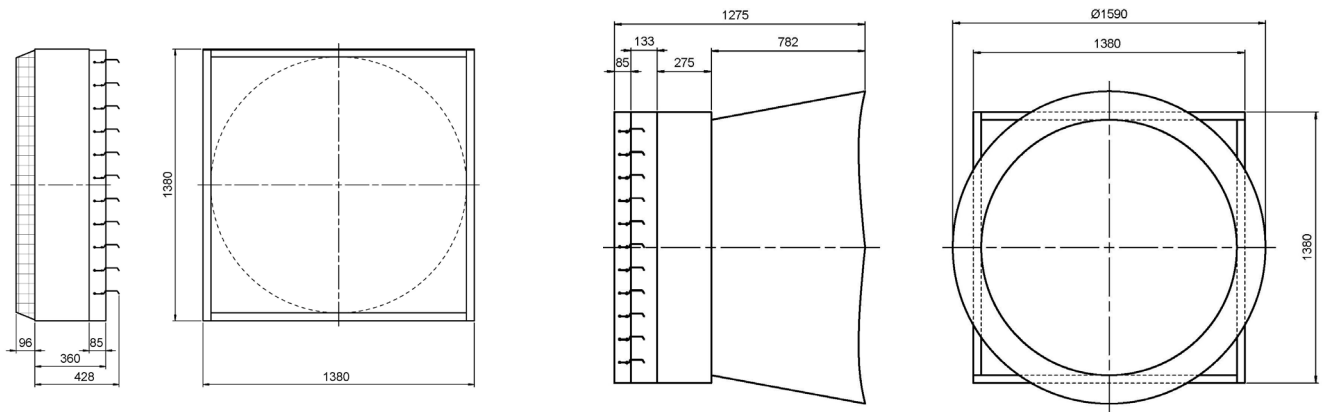
230/400 V 50 Hz;		Capacities three-phase in m³/h						
240/420 V 60 Hz	P <sub>in</sub>	0 Pa	20 Pa	40 Pa	60 Pa	80 Pa	90 Pa	100 Pa
3 blades	1650	45.600	41.370	37.030	30.940	-	-	-
5 blades	1650	39.270	36.360	33.410	29.300	26.010	23.790	21.600
Cone fan 3 blades	1650	47.470	43.930	39.590	-	-	-	-
Cone fan 5 blades	1650	42.570	39.580	36.450	33.290	28.450	25.410	-

230/400 V 50 Hz;	W/1000 m³/h	I <sub>nom</sub> (A)	Motor Protection Switch (A)	I <sub>nom</sub> (A)	Motor Protection Switch (A)
240/420 V 60 Hz	(at 0 Pa)	50 Hz	50 Hz	60 Hz	60 Hz
3 blades	36,9	5,2 / 3,0	5,9 / 3,3	4,8 / 2,8	5,3 / 3,1
5 blades	38,6	5,2 / 3,0	5,9 / 3,3	4,8 / 2,8	5,3 / 3,1
Cone fan 3 blades	31,8	5,2 / 3,0	5,9 / 3,3	4,8 / 2,8	5,3 / 3,1
Cone fan 5 blades	34,1	5,2 / 3,0	5,9 / 3,3	4,8 / 2,8	5,3 / 3,1

Optional:

- Frequency controllable
- Other voltages
- Multiple HP ratings

Dimensional scheme (mm)



Vostermans Ventilation

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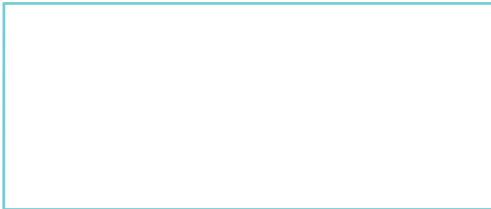
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Vostermans Ventilation B.V. develops, produces and distributes the full line of:

Multifan

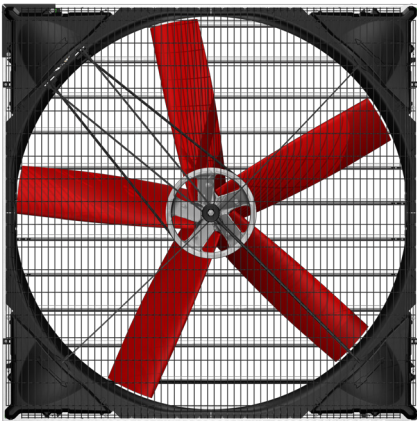


Subject to alterations 11/2010



Vostermans Ventilation

Multifan 130





## Multifan 130:

### Aerodynamic design

Through the design of the Multifan 130 Vostermans Ventilation has taken aerodynamics for the fans for poultry, pork and greenhouse applications to the limit. All the different individual parts are smoothly designed to allow minimal air losses. The inside of the casing steers in- and outgoing air perfectly throughout the installation. The blades are especially 3-dimensionally shaped providing a maximal air performance of the fan. A low noise level is another advantage obtained by the special layout. The unique strips on the upper side of the blades is further reducing the resistance of the air going through the Multifan 130. Special attention was paid to rounding off all the sides and choosing the right thickness and surface smoothness of all the parts. With the optional cone, the air is guided through the fan during a prolonged stage and an even higher efficiency is obtained. The major advantage is created by combination and collaboration of all the individual parts together for the major goal: a higher airflow with a minimal effort!

### High airflow, efficient impact

All the co-operating parts in an optimal airflow, create the Multifan 130 with a maximal air volume. Not only is the fan moving higher air volumes, the Multifan 130 also performs extremely high on the efficiency charts. A low power consumption offers a new dimension to the usage of energy by fans of this size. The smoothly designed, easy to install, extra cone takes care of an additional, higher airflow with an improved efficiency and power consumption. For the same investment in broiler, layer, breeder or turkey houses, it is now possible to create more fresh air around the animals at lower cost. With an increasing demand on the highly productive animals, it is no luxury to have that extra air available. With increasing energy cost it is possible to further reduce the standard ventilation cost. The installation of a controllable fan means further controllability of air and energy cost.

### Durability as an asset

The Multifan 130 is constructed to last even longer. The stable construction is enforced in all aspects. The metal casing and the integrated, aerodynamic construction inside the fan create a strong unit. The smooth connection of the blades to the compact pulley construction and the diagonal supports take care of a further stability in the fan concept. Each material is chosen to perform consistently for a long period of time: the non-corrosive attachments, the aluminium pulley and the highly protected impellers are some of the examples. All materials are chosen to withstand the aggressive climates.

## Refreshingly powerful

### Maintenance in a jiffy

During the cleaning time it is more than worthwhile that all necessary handlings can be finished quickly and accurately between flocks. The wire guard of the Multifan 130 can be opened and hinged to either side. All the 4 corner covers open up together with the removal of the guard. The covers already prevent most dust collection and any remaining parts can be removed quickly. All other parts are within reach and rather easy to clean for optimal hygiene. Hygiene is one of major subjects in the poultry and pork market and the Multifan 130 provides the tools to obtain a high level of cleanliness. The stretchable V-belt can be installed without belt tightener and does not need adjusting after installation. This belt provides a long lifetime of the pulley and hub construction of the fan.

### Wide range of options

With the Multifan 130, Vostermans Ventilation offers a wide range of options for the poultry industry. For standard applications the 3 blade version of this fan is used. However, for higher pressures (from 60-100Pa) a 5 blade Multifan 130 is available; layer houses with cages or aviaries can be served accordingly with this specific version. The cone fan, with shutter on the inside, provides further possibilities for increasing the airflow capacity. As usual, the Multifan wide range of motors ensures a world wide applicability of the fans; different voltages, frequencies, phases. The controllability by a frequency controller is one other special demand frequently requested by customers. An additional available option is a CE-wire guard at the shutter side.

### Logistic wise construction

The symmetric parts of the casing and internal construction, including the corner covers, allow easy installation. All the parts are easy to assemble and are partly exchangeable. The number of connections is absolutely reduced to a minimum. To prevent local problems during installation, the Multifan 130 is designed for a 'one-way' construction: the motor, the V-belt, the pulley and the impellers form one unit. The Multifan 130 can be delivered assembled or unassembled; the compact design makes both ways possible. The cone exists out of 4 easy to assemble parts. Consequently transport cost can be optimized per customer and reduced to a minimum.