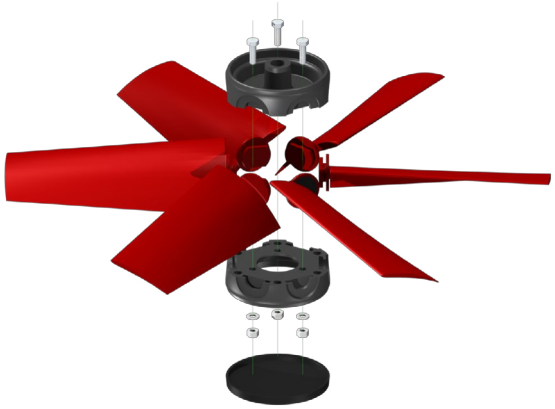
Multifan

Axial impellers C-system

Thanks to many years of experience in developing and manufacturing impellers for the Multifan fans, Vostermans Ventilation has obtained a thorough knowledge of everything related to axial impellers. It is obvious that one of the most important fan components - the impeller - is paid full attention to. As a result, Multifan impellers are of the highest quality and are employed in a wide range of applications.

C-system

The blade root is ex factory provided with a root with 2 flat sides and has thus a fixed blade root (25 t/m 45°). This means that the customer cannot change the angle. This system is available for blade types 2, 3 and 5. The C-system is mainly used for smaller fans and/or lower speeds. The advantage of the system is the easy assembly of the impellers. The blades are available in any diameter.



Blade profiles

Type 2

Small and slim profile for the smaller diameters from 200 to 450 mm. This profile is mainly used for 1400 RPM and 2800 RPM motors. Due to a flat outer curve the range of application is broad. This type is available in different materials. It is also available in clockwise and counter-clockwise turning version.

Type 3

The most-sold profile for applications with diameters from 200 to 710 mm. This blade type is mainly used for 1400 RPM units but also provides excellent properties at 900 RPM. Thanks to its properties and good values with regard to pressure and efficiency, the range of application is very broad. Type 3 is available in different materials. It is also available in clockwise and counter-clockwise turning version.

Type 5

This blade type was specially developed for diameters from 300 to 710 mm. Type 5 is mainly used for 900 RPM and 1400 RPM. Its strong points are a high pressure build-up and good efficiency. In the 900 RPM range its low noise level is to be pointed out. The blade is available in different materials. This type is only available in counter-clockwise turning version.

Technical information

Diameter of the nave	Max. number of blades	Material of the nave	Material blade	Max. hub length	Diameter drill hole		Max. diameter impeller per blade type in mm						Number of blades
					Min	Max	2		3		5		
							L*	R*	L*	R*	L*	R*	
80	6	Plastic	PP/PG/N	29	8	9,5	400	-	-	-	-	-	2/3/6
100	6	Aluminum / plastic	PP/PG/N	62	0	24	424	-	544	526	639	-	2/3/6
135	8	Aluminum / plastic	PP/PG/N	60	0	24	459	-	579	561	674	-	2/4/8
170	8	Aluminum / plastic	PP/PG/N	87	0	32	496		616	589	711	-	2/4/8
170	10	Aluminum / plastic	PP/PG/N	87	0	32	496	-	616	589	711	-	5/10
280	14	Aluminum / plastic	PP/PG/N	62	0	42	-	-	-	-	818	-	2/7/14

Tolerance on maximum diameter approximately 3mm.
L = Left-turning (counter-clockwise) (blowing)
R = Right-tuning (clockwise) (blowing)
PP = polypropylene
PG = polypropylene fiberglass
N = nylon