



Axial impellers K-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.

K-system

With the K-system, the hub and blade are manufactured with 2 notches. During assembly of the blades in the hub, an adjusting ring (positioning ring) is placed between the hub and the blade, which determines the blade angle. These positioning rings can be supplied from 25° - 45°. The advantage is that only one blade type has to be kept in stock, which can supply every required angle with different positioning rings.



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 also available in clockwise and counter-clockwise turning versions consisting of different materials polypropylene (PP), polypropylene with fibre glass (PG) and nylon (N).

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 4



This blade profile is specially developed for diameters from 300 to 820 mm and small shaft diameters. Blade profile type 4 is manufactured in left execution only.

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*	
100	6	Aluminium	PP/PG/N	42	7	19	430	427	545	541	643	-	2/3/6
135	8	Aluminium	PP/PG/N	42	0	24	465	458	576	572	674	-	2/4/8

Tolerance on maximum diameter approximately 3mm.

L = Left-turning (counter-clockwise) (blowing)

R = Right-turning (clockwise) (blowing)

PP = polypropylene

PG = polypropylene fiberglass

N = nylon

