

OUR H SERIES

ENGLISH

DATASHEET

The H series covers diameters from 200 mm up to 742 mm. As with all Multi-Wing impellers, the H series is designed to have high efficiency and low noise level and to be corrosion resistant. It is robust yet light-weight resulting in less wear and stress on motors and bearings.

Its compact but solid design is well suited for a variety of applications. For engine and compressor cooling this impeller type offers a flexible solution that will meet all dimensioning criteria - especially when noise levels are critical. Type H is also applicable to agricultural ventilation, which calls for high performance at low static pressure. For cooling applications, this type is often used in evaporators and in smaller condensers.

DESIGN FEATURES

- 3 fan blades of different designs and sizes with fixed pitch setting.
- 6 standard pitch angles ranging from 25° to 50° with 5° increment.
- Fan blades for both clockwise and counter-clockwise rotation.
- 5 hub sizes (6, 8, 10, 12 & 14 blades all symmetrically arranged), each available in a range of bore/fixing configurations.

MATERIALS

The hub parts are as standard manufactured in a pressure die cast silumin alloy (Al Si12 Cu). The 6 and 8-blade hubs are also available in a version manufactured in glass reinforced polypropylene (PPG). The fan blades are available in the following 5 materials to suit applications with different speeds and ambient temperatures.

PPG Glass reinforced polypropylene
Temperature range: -10°C to +80°C

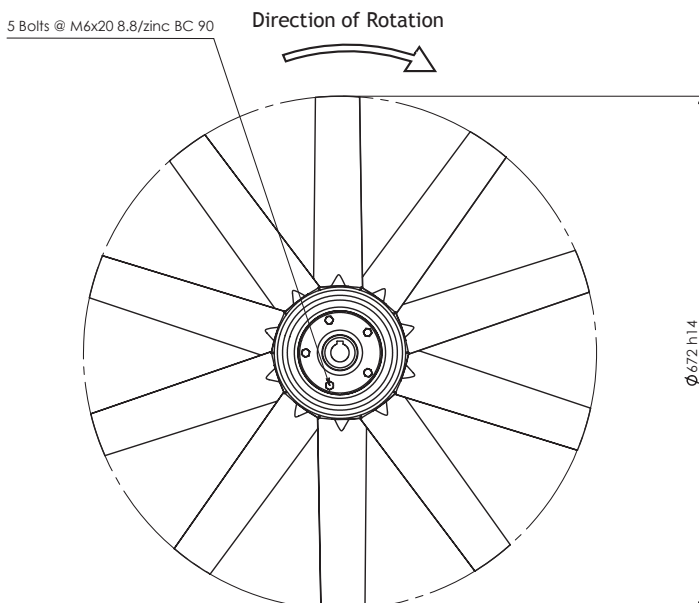
PAG Glass reinforced polyamide
Temperature range: -40°C to +110°C

PAGAS Anti static glass reinforced polyamide
- For explosion proof working conditions
Temperature range: -40°C to +110°C

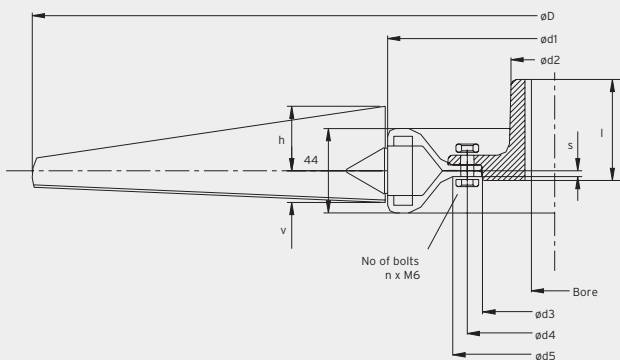
PAGST Vibration stabilised glass reinforced polyamide
Temperature range: -40°C to +110°C

AL Aluminium
Temperature range: -40°C to +150°C
Standard alloy for the fan blades is (Al Si12 Cu).

We reserve the right to change the materials of manufacture.
The values for the mechanical properties are mean values and can be subject to variations due to the use of different suppliers.



ø D max. for blade type:			Pos. in hub No.	ø Bore Min. - Max.	Hub							
2H	3H	6H			l	d1	d2	d3	d4	d5	s	n
411	597	597	6	7,5 - 9,0	31	97	26	25	41	0	3	3
411	597	597	6	9,5 - 16,0	31	97	26	25	41	0	3	3
411	597	597	6	10,5 - 19,0	41	97	34	25	41	0	3	3
448	634	634	8	9,5 - 17,0	31	134	28	40	56	65	3	4
448	634	634	8	12,5 - 21,0	42	134	35	40	56	65	3	4
448	634	634	8	17,0 - 25,0	52	134	41	40	56	65	3	4
448	634	634	8	13,0 - 25,0	60	134	41	40	56	65	3	4
486	672	672	10	Universal Boss (UB)	172	Universal Boss (UB)				100	3,5	UB
520	706	706	12		206	Universal Boss (UB)				142	4	
556	742	742	14		242	Universal Boss (UB)				172	4	



Universal Boss (UB)						
ø Bore Min. - Max.	Hub					
	l	d2	d3	d4		n
9,5 - 15,0	31	28	75	90		5
12,5 - 22,0	42	40	75	90		5
22,0 - 25,0	52	45	75	90		5
22,0 - 28,0	62	51	75	90		5
27,0 - 40,0	62	73	75	90		5
27,0 - 40,0	82	73	75	90		5
40,0 - 48,0	112	90	75	90		10

Above are dimensions for standard solutions. Other more customised solutions are also available from stock. Visit multi-wing.com/hseries for more details.

