

DATASHEET



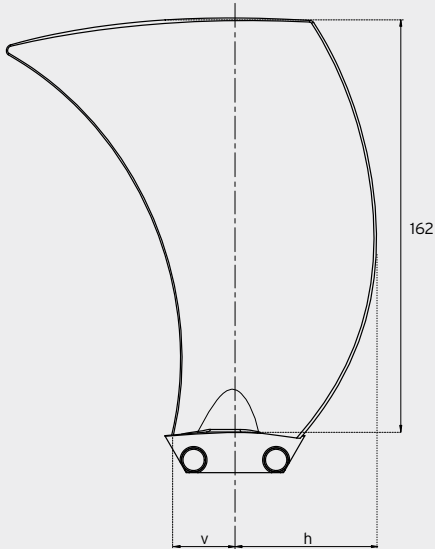
ENGLISH

## 1H - OUR SICKLE BLADE FOR COMPACT APPLICATIONS

The 1H fan blade is the smallest in our series of sickle shaped fan blades. It covers diameters from 284mm to 566mm. It is therefore often a good solution for small and compact radiators.

Our sickle series is especially suitable for low noise applications where there is a demand for high pressure. The design and the relatively large area of the blade means that it is able to produce high pressure rates at lower speeds, resulting in lower noise levels.

The sickle-shaped series is a natural choice for applications with a relative high pressure loss i.e. applications within the radiator/engine cooling market specifically oil coolers, compressors, generators and other off-highway equipment. They are also suitable for refrigeration applications.



Pitch	25°	30°	35°	40°	45°	50°
Leading edge $v \pm 2$	15	17	19	21	23	24
Trailing edge $h \pm 2$	32	37	41	46	49	53

All dimensions are in mm

### Design Features

Fixed pitch setting; 6 standard pitch angles ranging from 25° to 50°. Fan blades for both clockwise and counter-clockwise rotation. 6 hub sizes (3, 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 (EN AC-AI Si12 Cu1 (Fe)). The 6 and 8-blade hubs are also available in a version manufactured in glass reinforced polypropylene (PPG), whereas the 3-blade hub is only available in a version manufactured in glass reinforced polyamide (PAG).

The fan blades are available in the following 3 materials to suit applications with different speeds and ambient temperatures.

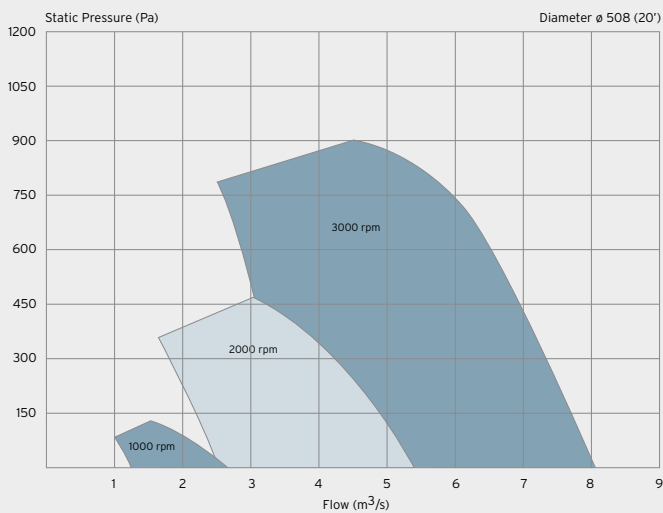
**PPG** Glass reinforced polypropylene  
Temperature range: -10°C to +80°C

**PAG** Glass reinforced polyamide  
Temperature range: -40°C to +120°C

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

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.

### Selection guide



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