# OUR M SERIES

The M series covers diameters from 285mm up to 508mm. The M series is engineered to meet the demands of smaller heat exchangers such as oil coolers, air-cooled condensers and dry coolers. With fan blades of glass reinforced polyamide this axial fan can also be used in low temperature evaporator applications.

It provides high-pressure capability at low speeds resulting in low noise levels in most compact heat exchangers. The one-piece moulded design makes it highly price-competitive.

Blade profile
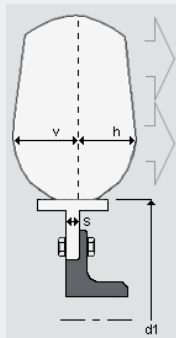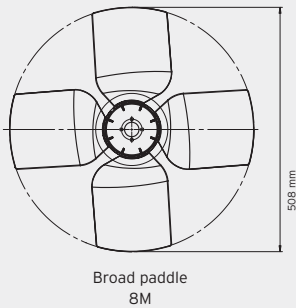
Broad paddle
8M

Design Features

- One-piece injection moulded impeller of engineered thermoplastic materials.
- Fan has 4 fixed pitch, positively set fan blades. The fan blades have a unique broad paddle shaped profile and are available in 3 standard pitch angles of 30°, 35°, and 40°.
- Only available in a configuration where the fan blades rotate in a clockwise direction when facing the air stream.
- One-piece aluminium-alloy boss, which is available in a range of bore/fixing configurations.

Materials

The bosses are as standard manufactured in a pressure die cast silumin alloy (Al Si12 Cu). The fan blades are available in below listed material.

PAGI Glass reinforced polyamide, industrial quality
Temperature range: -40°C to +110°C

Please observe penalty factors for temperatures above 40°C. For further information on high temperature operation please refer to Multi-Wing's Optimiser programme.

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.

Diameters and axial extend

No. of blades	d1	s	Max. dia. mm	Ø Bore	Length of hub
4	55	4	508	0-16	32
4	55	4	508	17-24	42

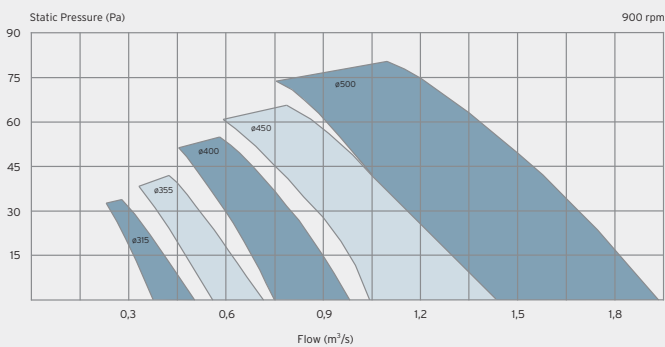| Leading edge v±2			
Pitch	30°	35°	40°
8M	29	37	45

All dimensions are in mm.
The values are intended primarily as a guide and can be subject to change depending on material.

Trailing edge h±2			
Pitch	30°	35°	40°
8M	55	60	67

All dimensions are in mm.
The values are intended primarily as a guide and can be subject to change depending on material.

Selection guide

Selection guide

E902003S001 0412