

Hideaway^{SHM}



In-line **Centrifugal Fans**

Hideaway SHM – Multi Spigot Features & Benefits



The Hideaway SHM is a duct mounted in-line centrifugal fan with dual circular inlet spigots, designed specifically for installations where space is at a premium and noise levels are an important design criteria.

The SHM is designed with a two speed motor where ventilation is either by continuously running, or boost ventilation when there is full occupancy.

- 1 standard size of 150mm.
- Air volume flow rates of up to 0.104 m³/sec.
- Static pressures of up to 200 Pa.
- Motors are external rotor, protected to IP44 with Class B Insulation.
- Single inlet backward curved impellers.
- Low profile unit.
- 100mm dual circular inlet spigots and 150mm outlet spigot.
- Low noise levels.
- Continuous and boost ventilation.
- Suitable for ambient operating temperatures of up to 50° C.
- Easy to install.
- Overcomes space constraints.
- Fully speed controllable.
- Robust galvanised sheet steel housing, acoustically lined.
- Extensive range of stock is available.
- Suitable for ducted extract systems.

Features & Benefits

Material Strength - A robust, lightweight unit with a galvanised sheet steel casing which is lined with flame retardant acoustic lining on the dual inlet for improved sound capabilities.

Low profile - Ideal for very shallow ceiling voids and / or where space is at a premium.

Low noise – Each unit is acoustically lined, therefore the breakout noise levels are low.

Ease of installation – All models are designed for direct connection to standard diameter flexible or rigid circular ducting with 50 mm long spigots for ease of connection.

Performance – The single inlet, single width backward curved centrifugal impellers are directly driven by an external rotor motor, designed to be non overloading and provide high performance characteristics.

Easy maintenance – Access to the fan and motor is by the easily removable panel for maintenance when required.

Mounting – Each unit is supplied with integral mounting brackets.

Reliability – Motors have sealed for life bearings.

Motor protection – All SHM units have integral thermal overload protection which prevents the motor from overheating.

Tested to the very latest standards – SHM units are tested to ISO 5801:1997 (airside performance) and to BS 848 Pt 2:1985 (sound performance) meaning accurate, up to date information on performance and noise data that can be relied upon.

Quality assurance – All units are designed and manufactured with procedures as defined in BS EN ISO 9001: 2000.

Warranty – Each SHM has a 12 month warranty.

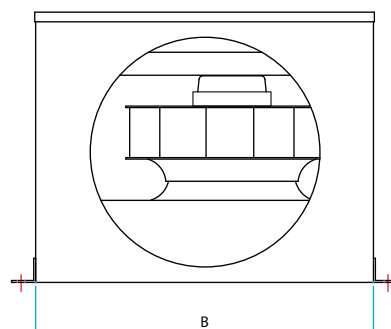
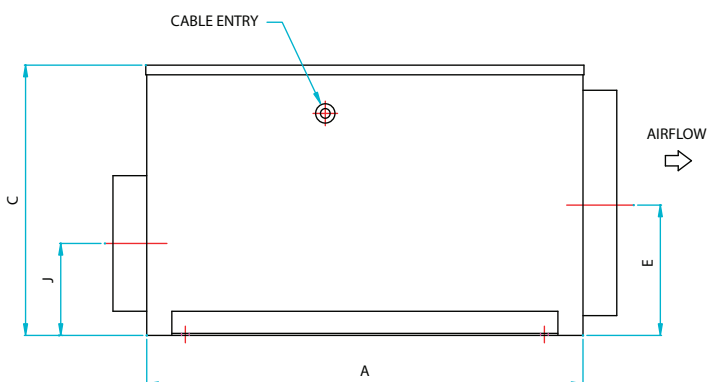
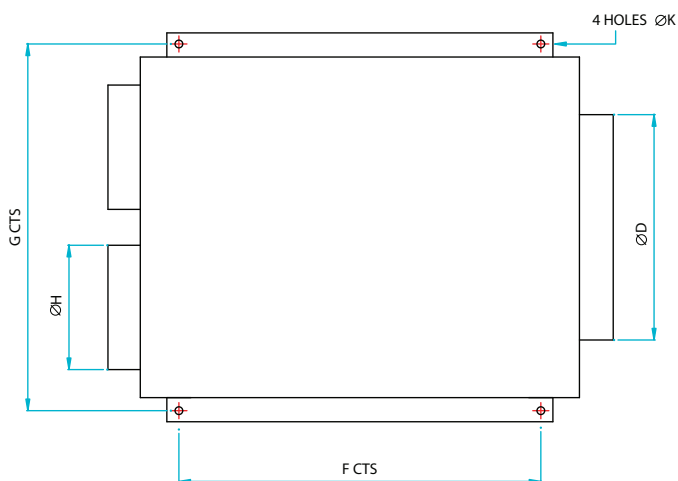
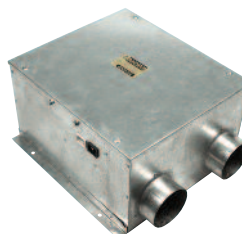
Full accessory range - Speed controllers, fast clamps, silencers, flexible connectors, non return dampers.

Applications

Bathroom and kitchen extract in apartments, hotels, residential properties, libraries and offices.

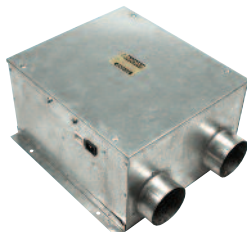
Hideaway SHM - Multi Spigot

Dimensional Data



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Product Code	A	B	C	D	E	F	G	H	J	K	Weight kg
SHM150A-L	400	300	182	150	91	300	325	100	70	8	11



Hideaway SHM - Multi Spigot

Performance, Sound & Electrical Data

Product Code	Speed r/min	Airflow m ³ /s @ Static Pressure Pa.									Motor Electrical Data			dBA @ 3m	Breakout dBA @ 3m
		0	25	50	75	100	125	150	175	200	FLC Amps	SC Amps	Input Watts		
SHM150A-L Low	1950	0.084	0.073	0.063	0.051	0.040	0.029	0.018	0.007		0.23	0.57	37	37	31
SHM150A-L High	2500	0.104	0.094	0.085	0.076	0.066	0.054	0.041	0.026	0.009	0.29	0.72	62	41	35

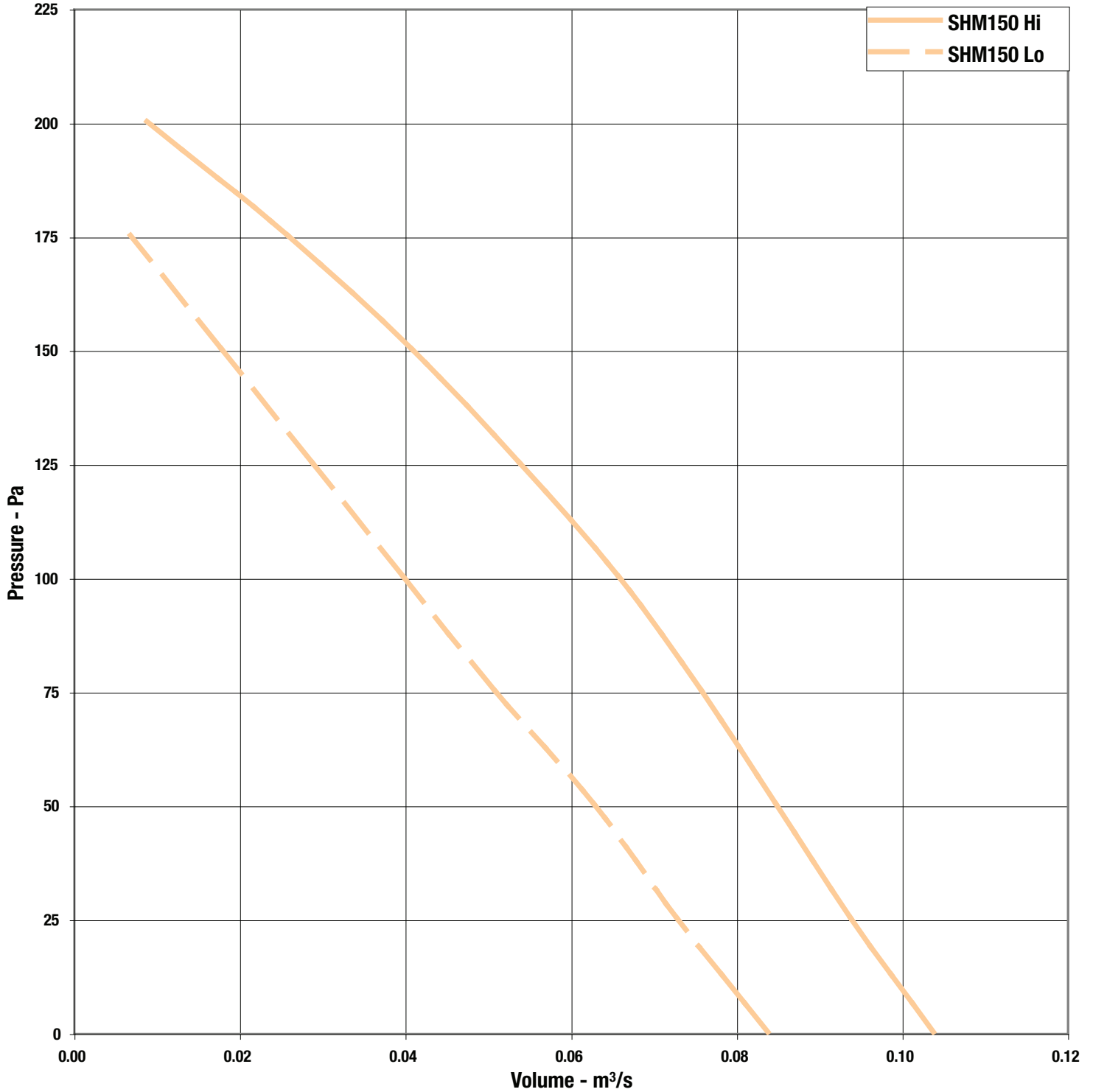
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Hideaway SHM - Multi Spigot



Performance Curves

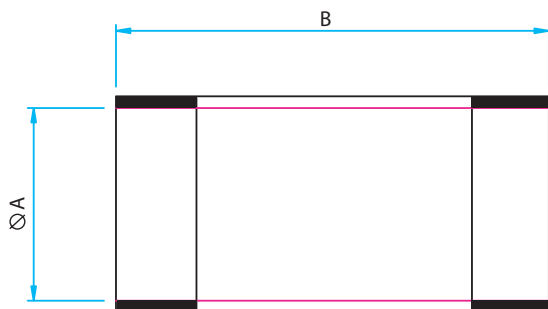
SHM150



Hideaway SHM - Multi Spigot Accessories



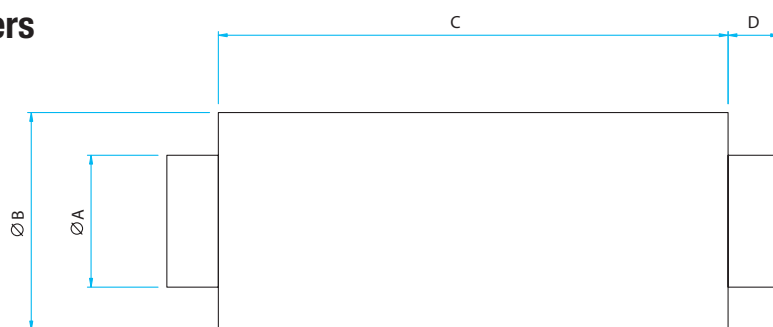
Flexible Connectors



- Fix directly onto spigot
- Provides flexible connection between fan and accessory or duct
- PVC coated polyester with galvanised sheet steel

Product Code	Fan Dia. A	B	Weight kg
018-0100-FLEX	100	150	0.2
018-0150-FLEX	150	150	0.2

Silencers



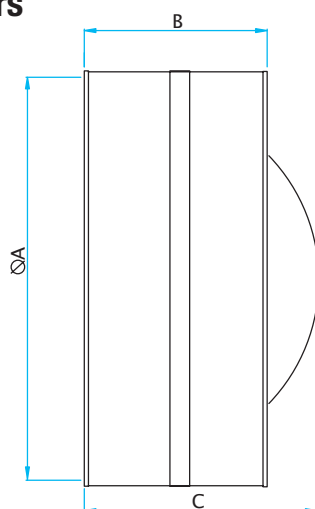
- For information on silencers and an explanation of the data, see p74
- Pre-galvanised sheet steel with perforated steel lining
- Infill of glass tissue faced high density mineral wool
- For saturated or other special applications please refer to Elta

Product Code	Fan Dia.	A	B	C 1	C 2	C 3	C 4	D	Weight kg			
									1	2	3	4
068-0100-JF*	100	98	204	300	600	900	1200	40	2.5	4.6	6.7	8.7
068-0150-JF*	150	148	255						3.4	6.1	8.9	11.6

* Add 1, 2, 3 or 4 depending on length required.

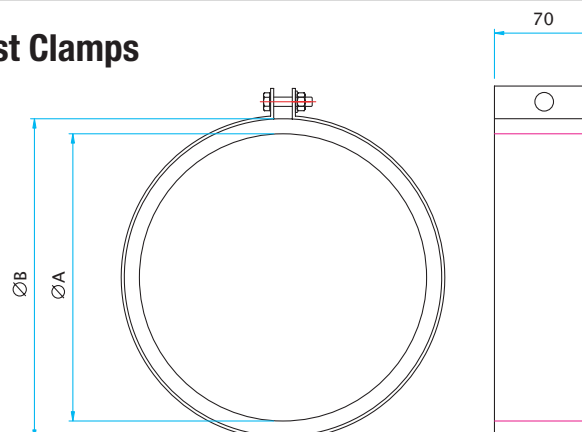
Non Return Dampers

- Prevents reverse flow of air when fan not operating
- Galvanised sheet steel case
- Spring operated, aluminium sheet blades



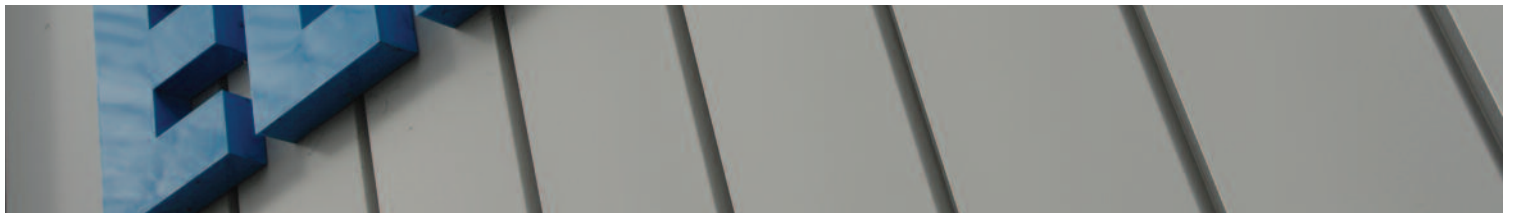
Product Code	Fan Dia. A	B	C	Weight kg
018-100-DAMPER	100	90	100	0.2
018-150-DAMPER	150	90	110	0.3

Fast Clamps



- For quick connection of spigotted fans to circular duct or accessories
- Galvanised steel circular duct clamp with foam lining

Product Code	Fan Size	A	B	Weight kg
018-100-CLAMP	100	92	116	0.25
018-150-CLAMP	150	142	166	0.33



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