

Recommended minimum number of air changes in certain environments

Environment	Changes per hour	Environment	Changes per hour	Environment	Changes per hour
Bathrooms and shower rooms	3	Halls and landings	3	Shops	8
Bedrooms	2	Hospital rooms	4	Sports facilities	6
Cafés	10	Kitchens (domestic)	10	Store rooms	3
Canteens	8	Laundries and laundrettes	10	Toilets (domestic)	3
Cellars	3	Living and other domestic rooms	3	Toilets (public)	10
Changing rooms with showers	15	Meeting rooms	4	Utility rooms	15
Conference rooms	8	Offices	6	Workshops	6
Garages	6	Restaurants & bars	6		
Hairdressing salons	10	School rooms	2		

Example 1

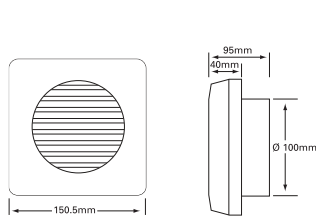
Room	Bathroom
Volume	2.0 x 2.0 x 2.0 = 8m ³
Number of air changes required	3
Performance	8 x 3 = 24m ³ /h
Fan required	GFAN4 = 93m ³ /h

Example 2

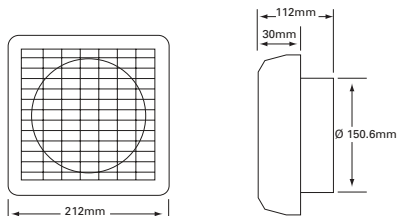
Room	Kitchen
Volume	2.8 x 2.8 x 2.8 = 22m ³
Number of air changes required	10
Performance	22 x 10 = 220m ³ /h
Fan required	GFAN6 = 250m ³ /h

Stale air is also removed by installing the appropriate GET fan. In certain circumstances, such as in toilets, a timer is incorporated to provide an automatic turn-on period of up to 25 minutes as stipulated in The Building Regulations.

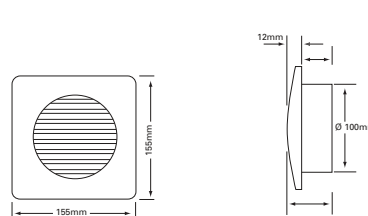
	Standard 4" 100mm	Standard 4" 100mm slimline	Premium 4" 100mm slimline	4" 100mm panel	Premium 6" 150mm
Voltage Supply	220 - 240V 50Hz	230V - 50Hz	220 - 240V 50Hz	220 - 240V 50Hz	220 - 240V 50Hz
Power	20W Max	26W Max	16W	16W	26W
Timer Control (where applicable)	3 - 25 mins	3 - 25 mins	1 - 25 mins	1 - 25 mins	1 - 25 mins
Humidistat Timer Control (where applicable)	3 - 50 mins	1 - 50 mins	1 - 25 mins	1 - 25 mins	1 - 25 mins
Extract Capacity	93 ³ /hr max	250 ³ /hr max	129 ³ /hr	115 ³ /hr	295 ³ /hr
Humidity Adjustment	50 - 60%	50 - 90%	60 - 90%	60 - 90%	60 - 90%
Noise Level	45dB	35dB	37dB	36dB	39dB
IP Rating	IPX4	IPX4	IP24	IP24	IP24
Max. Room Temperature	40°C	40°C	45°C	45°C	45°C
Double Insulated	yes	yes	yes	yes	yes
Fitted with Fused Thermal Protection	yes	yes	yes	yes	yes



Standard 4" (100mm)



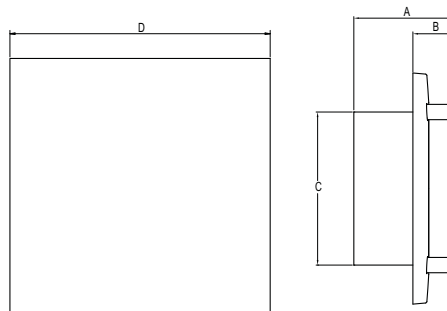
Standard 6" (150mm)



Standard 4" (100mm) slimline

Dimensions

Part number		A	B	C	D
GPGPTFAN4TB	Designer Range	126	32	100	170
GSPTFAN4T	Premium Range	126	30	100	150
GSPTFAN4LT	Aluminium Panel	126	30	100	150



Specifications for 12V SELV unit

Controller	
Voltage Supply	230V 50Hz
Voltage Output	12V 50Hz 20VA
Timer Control (where applicable)	3 – 25 minutes
Fan	
Extract Capacity	93m ³ /hr max
Noise Level	45dB (A)
IP Rating	IPX4
Max Room Temperature	40°C
Double Insulated	Class III SELV
Fitted with Fused Thermal Protection	Yes

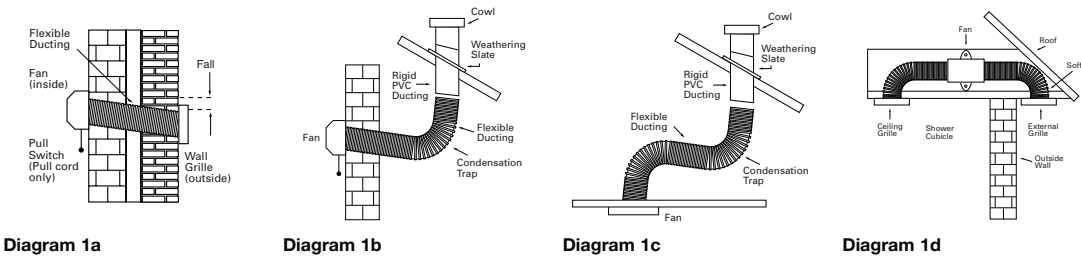
Specifications for 150mm/6" fans

150mm/6" wall fans	
Voltage Supply	230V 50Hz
Power	28W Max
Timer Control (where applicable)	3 – 25 minutes
Humidistat Timer Control (where applicable)	3 – 50 minutes
Extract Capacity	250m ³ /hr max
Noise Level	35dB
IP Rating	IPX4
Max Room Temperature	40°C
Double Insulated	<input type="checkbox"/>
Fitted with Fused Thermal Protection	Yes
Humidity Adjustment	50% – 90%

Humidistat variants

Humidity override is primary to any other means of control, i.e. timer or pull cord. This ensures optimum operation at all time.

Installation methods



4" Fans are not designed for installation in showers. For this specification inline fan should be used. See diagram 1d

Wiring diagrams

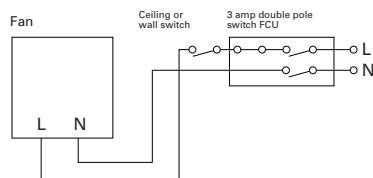


Diagram 2a Fan without Timer and Fan with humidistat/pull cord override

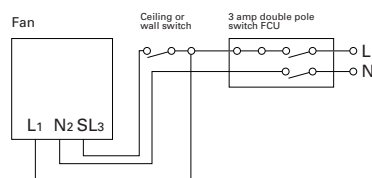


Diagram 2b Fan with Timer

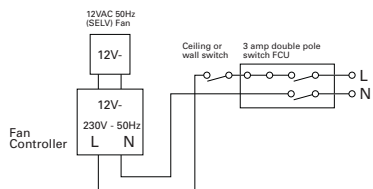


Diagram 2c 12V Fan without Timer

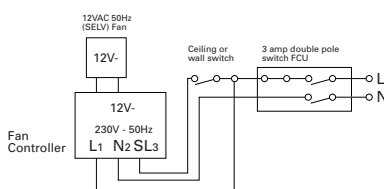


Diagram 2d 12V Fan with Timer