



Domus Ventilation Specification

for
Sapphire 100mm & 150mm Energy
Efficient Axial Fans



Contents	Page
Scope of Works	3
Manufacturer	3
Product Range	3
Materials	3
Sizes	3
Performance Data	4
Accessories	4
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Appendix A – Range Details	5
Appendix B – Performance Curves	6
Appendix C – Installation Instructions	6

Scope of Works

Intermittent Extract Ventilation Applications

100mm - Bathroom | Toilet

150mm - Utility Room | Kitchen

A (Sapphire) intermittent extract axial fan shall be installed to extract stale waste air from a wet room, in line with the requirements of Approved Document F of the Building Regulations (F1 Means of Ventilation).

The fan shall include a removable fascia for straightforward cleaning and for 100mm axial versions, offer the ability to change the fascia with alternative design options.

The fan shall be capable of mounting on a wall or ceiling and operate at a sound level down to 32dB(A) @ 3m, whilst also providing a Specific Fan Power less than 0.50 W/l(/s).

The fascia of the fan shall appear as a single, smooth surface for discreet integration within the wet room.

100mm:

Low voltage, backdraught, timer, pull cord, humidistat and humidistat with pull cord fan options shall be made available across the range.

The backdraught shutter shall be manufactured from one piece of PVC and designed as a flexible membrane without the use of a hinge for quieter performance.

150mm:

Timer, pull cord and humidistat fan options shall be made available across the range.

Manufacturer

Domus Ventilation

Product Range

Sapphire range

Materials

White UV stabilised and fire retardant ABS

Sizes

100mm and 150mm

Performance Data

100mm:

Description	230V	SELV (230/12V)
Max Extract Volume (l/s)	23	24
Max Extract Volume (m ³ /h)	83	86
Max Pressure (Pa)	30	27
Supply Frequency (Hz)	50	50
Specific Fan Power W/(l/s)	0.37	0.22
Max Power (W)	8.5	4/Standby 0.2
Sound dB(A)@3m	32	32
Weight (kg)	0.7	0.8
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Wall-Fit Hole Diameter (mm)	110	110
Warranty	2 yrs	2 yrs



150mm:

Description	230V
Max Extract Volume (l/s)	60
Max Extract Volume (m ³ /h)	216
Max Pressure (Pa)	50
Supply Frequency (Hz)	50
Specific Fan Power W/(l/s)	0.48
Max Power (W)	29/Standby 0.2
Sound dB(A)@3m	49
Weight (kg)	0.8
IP Rating	X4
Max Operating Temperature (°C)	40
Wall-Fit Hole Diameter (mm)	160
Window-Fit Hole Diameter (mm)	182-192
Suitable Glass Thickness (mm)	Mar-22
Warranty	2 yrs



Accessories

Architectural, interchangeable 100mm fascias

Code	Description
TFF100-CF1W	Fascia, Curved, Gloss White Finish, 202x202mm
TFF100-CF1S	Fascia, Curved, Silver Finish, 210x202mm
TFF100-CF1BM	Fascia, Curved, Brushed Metal Finish, 210x202mm
TFF100-DT1W	Fascia, Circular Indent, Gloss White Finish, 210x202mm
TFF100-DT1S	Fascia, Circular Indent, Silver Finish, 210x202mm



Appendix A

Range Details

Description: Sapphire 100mm Green Line Axial Fan

100mm Codes:

Code	Control
GTF100-S	-
GTF100-SR	Retail pack
GTF100-SBS	Back draught
GTF100LV-S	SELV
GTF100LV-SBS	Back draught, SELV
GTF100-T	Timer
GTF100-TR	Timer, retail pack
GTF100-TBS	Timer, back draught
GTF100LV-T	Timer, SELV
GTF100LV-TBS	Timer, back draught, SELV
GTF100-H	Humidistat with timer
GTF100-HBS	Humidistat with timer, back draught
GTF100LV-H	Humidistat with timer, SELV
GTF100LV-HBS	Humidistat with timer, back draught, SELV
GTF100-PC	Pull cord
GTF100-PCR	Pull cord, retail pack
GTF100-PCBS	Pull cord, back draught
GTF100LV-PC	Pull cord, SELV
GTF100LV-PCBS	Pull cord, back draught, SELV
GTF100-HPC	Humidistat with timer, pull cord
GTF100-HPCR	Humidistat with timer, pull cord, retail pack
GTF100-HPCBS	Humidistat with timer, pull cord, back draught
GTF100LV-HPC	Humidistat with timer, pull cord, SELV
GTF100LV-HPCBS	Humidistat with timer, pull cord, back draught, SELV

Description: Sapphire 150mm Green Line Axial Fan

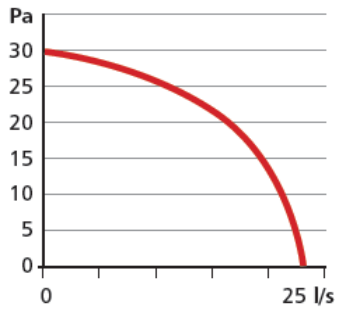
150mm Codes:

Code	Control
GTF150-S	-
GTF150-T	Timer
GTF150-H	Humidistat with timer
GTF150-PC	Pull cord

Appendix B

Performance Curves

100mm



150mm

