

Lo-Carbon T-Series® Window Models



Features & Benefits

- Reduces your carbon footprint
- Extract/intake model in 2 sizes: 9" and 12"
- Long life Lo-Carbon motor lasts twice as long as conventional motors
- Up to 70% energy saving
- Wired or Wire-less fan models available
- Easy fit connector Top Socket, standard on all models

UK's No. 1 Commercial Fan

The Lo-Carbon T-Series range is fitted with a low energy DC motor, developed to improve performance, lower running costs and maintain T-Series' rugged reliability.

Designed for installation through single or double glazing and material up to 32mm thick. Greater thicknesses can be accommodated using extended fixing rod sets. Alternatively, the Lo-Carbon T-Series range can be used in conjunction with Vent-Axia ventilation accessories in flexible and rigid ducting systems to suit individual requirements. The fan can also be mounted in a fixing plate on walls or above ceilings.

Instantaneous Shutter

With energy saving in mind, units are supplied complete with an integral instantaneous automatic louvre shutter concealed behind the interior grille. It operates on both extract and intake and at any angle of mounting.

The shutter is electronically controlled by an actuator with a damped action giving quiet operation during instant opening and closing. The interlocking edges of the shutter blades provide maximum back draught protection. When the ventilating unit is used with the Lo-Carbon T-Series controller, the shutter can be set open with the fan motor switched Off to provide natural ventilation without the security risk of an open window.

Models

Wired Model

Size	Stock Ref
9" Window	456165
12" Window	456173

Wire-less Model

Size	Stock Ref
9" Window	456169
12" Window	456177

Designed for use in single or double glazing, most types of glass and materials up to 32mm thick. Greater thicknesses can be accommodated using Extended Fixing Rod Sets. Can also be mounted in a fixing plate or wall, in ducts or above ceilings.

Extended Fitting Rod set

Size	Stock Ref
9"	568104
12"	568106

Top Socket

A connector Top Socket is now standard on all T-Series fans. Allowing fast and trouble-free mains connection.

Controllers



Models	Stock Ref
Wire-less	455874
Wired	455873

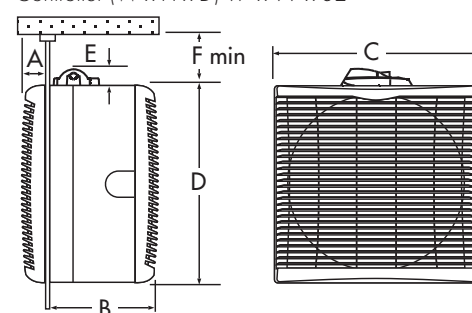
Performance

Model	Curve	Extract performance m³/h (l/s)			Watts (high)	Sound dB(A) (med) @ 3m	Amps @ 240V
		low	medium	high			
Lo-Carbon TX9WW - Wire-less/Wired	①	332 (90)	571 (160)	761 (210)	30.8	40	0.35
Lo-Carbon TX12WW - Wire-less/Wired	②	660 (185)	1295 (360)	1550 (430)	68.6	46	0.73

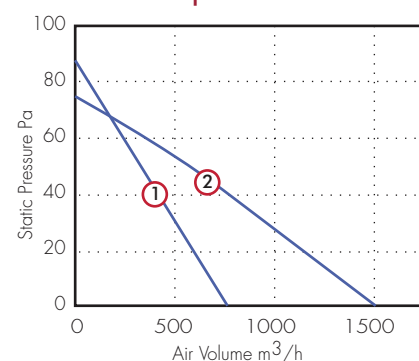
Dimensions (mm)

Size Dim.	9 in	12 in
A	39	41
B	150	177
C	304	381
D	302	378
E	19	19
F	54	54
Fixing hole Ø	260	337
Weight kg	5.35	7.7

Controller (W x H x D) 97 x 99 x 32



Performance Graph



Lo-Carbon T-Series® Wall Models



Features & Benefits

- Long life Lo-Carbon motor lasts twice as long as conventional motors
- Reduces your carbon footprint
- Extract/intake model in 2 sizes: 9" and 12"
- Up to 70% energy saving
- Wired or Wire-less fan models available
- Easy fit connector Top Socket, standard on all models

UK's No. 1 Commercial Fan

Behind the grille of the Lo-Carbon T-Series Wall model is a high performance extract/intake ventilating unit designed to fit through most wall thicknesses using the telescopic liner supplied. For walls of exceptional thickness additional liners can be used. Conduit entry is provided for concealed wiring.

External Brick Walls

Lo-Carbon T-Series wall models are designed to fit directly into double brick, solid and cavity walls. The two part telescopic liner accommodates wall thicknesses from 240 to 315mm. For thicker walls additional liner sections are available. Lo-Carbon T-Series wall models are provided with internal and external wall frames which fit flush with both faces of the wall.

Instantaneous Shutter

Lo-Carbon T-Series models are supplied complete with an integral instantaneous automatic louvre shutter which will operate on both intake and extract and at any angle of mounting.

When the ventilating unit is used with a Lo-Carbon T-Series controller, the shutter can be set open with the fan motor switched Off to provide natural ventilation without the security risk of an open window.

Electrical

Motor purpose-designed. Suitable for running at any angle. Quiet running. Suitable for operation in ambient temperatures from -40°C to +50°C.

Fitted with self resetting Standard Thermal Overload Protection (S.T.O.P.).

Supply voltage 220-240V/1/50Hz.

Top Socket

A connector Top Socket is now standard on all T-Series fans. Allowing fast and trouble-free mains connection.

Models

Wired Model

Size	Stock Ref
9" Wall	456166
12" Wall	456174

Wire-less Model

Size	Stock Ref
9" Wall	456170
12" Wall	456178

Wall Liner Section

Size	Stock Ref
6"	460094
7"	460095
9"	460096
12"	460086

Controllers



Models	Stock Ref
Wire-less	455874
Wired	455873

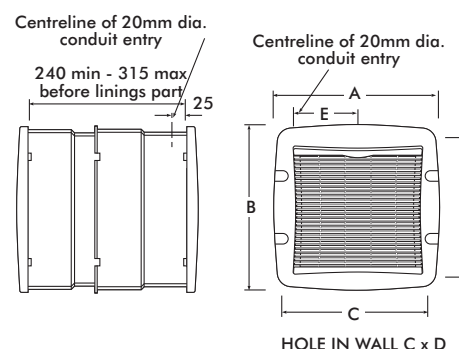
Performance

Model	Curve	Extract performance m³/h (l/s)			Watts (high)	Sound dB(A) (med) @ 3m	Amps @ 240V
		low	medium	high			
Lo-Carbon TX9WL - Wire-less/Wired	1	326 (90)	562 (160)	732 (210)	27	39	0.31
Lo-Carbon TX12WL - Wire-less/Wired	2	660 (185)	1355 (360)	1650 (430)	68	48	0.70

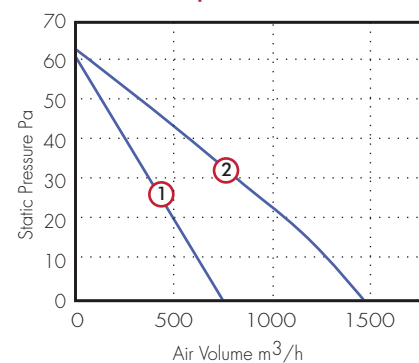
Dimensions (mm)

Size Dim.	9 in	12 in
A	391	470
B	388	467
C	365	442
D	375	450
E	143	182
Weight kg	7.77	10.86

Controller (W x H x D) 97 x 99 x 32



Performance Graph



Lo-Carbon T-Series® Roof Models



Features & Benefits

- Reduces your carbon footprint
- Extract / intake model in 2 sizes: 9" and 12"
- Long life Lo-Carbon motor lasts twice as long as other conventional motors
- Up to 70% energy saving
- Wired or wireless fan models available
- New easy fit connector Top Socket, standard on all models

UK's No. 1 Commercial Fan

Designing ventilation systems with the fan mounted in a skylight or a flat roof is easy. With a low profile cowl, the Lo-Carbon T-Series Roof model is suitable for installation in horizontal, angled and vertical glass and for fixing plates in roofs. For vertical windows or walls in exposed areas and single and double glazing including most types of glass up to 32mm thick. Greater thicknesses can be accommodated using extended fixing rod sets. Both sizes of Vent-Axia roof plate assemblies can be fitted easily into flat roofs.

Instantaneous Shutter

With energy saving in mind, Lo-Carbon T-Series models are supplied complete with an integral, instantaneous, automatic louvre shutter concealed behind the interior grille.

It will operate on both intake and extract and at any angle of mounting. The shutter is electronically controlled by an actuator with a damped action giving quiet operation during instant opening and closing.

When the ventilating unit is used with a Lo-Carbon T-Series controller, the shutter can be set open with the fan motor switched off to provide natural ventilation without the security risk of an open window.

Top Socket

A connector Top Socket is now standard on all T-Series fans. Allowing fast and trouble-free mains connection.

Electrical

Motor purpose-designed. Suitable for running at any angle. Quiet running, enclosed. Suitable for operation in ambient temperatures from -40°C to +50°C.

Fitted with self resetting Standard Thermal Overload Protection (S.T.O.P.).

Supply voltage 220-240V/1/50Hz.

Models

Wired Model	Stock Ref
9" Roof	456168
12" Roof	456176

Wire-less Model	Stock Ref
9" Roof	456172
12" Roof	456180

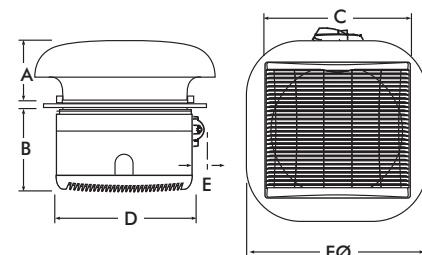


Controllers	Stock Ref
Wire-less	455874
Wired	455873

Dimensions (mm)

Size Dim.	9 in	12 in
A	136	171
B	150	177
C	304	381
D	302	378
E	54	54
FØ	400	500
Fixing Hole	260	337
Weight kg	6.22	9.28

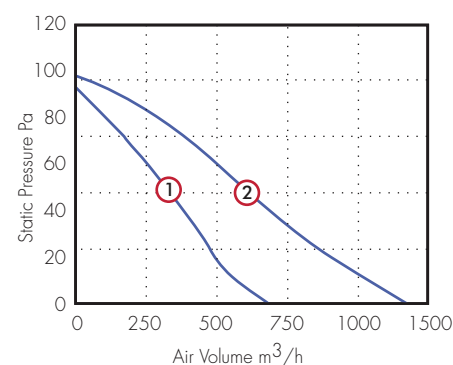
Controller (W x H x D) 97 x 99 x 32



Performance

Model	Curve	Extract performance m³/h (l/s)			Watts (high)	Sound dB(A) (med) @ 3m	Amps @ 240V
		low	medium	high			
Lo-Carbon TX9RF - Wire-less/Wired	①	313 (85)	562 (155)	693 (190)	27	40	0.34
Lo-Carbon TX12RF - Wire-less/Wired	②	518 (143)	1017 (282)	1194 (330)	67	48	0.69

Performance Graph



Lo-Carbon T-Series® Panel Models



Features & Benefits

- Reduces your carbon footprint
- Extract / intake model in 2 sizes: 9" and 12"
- Long life Lo-Carbon motor last twice as long as other conventional motors
- Up to 70% energy saving
- Wired or wireless fan models available
- New easy fit connector Top Socket, standard on all models

UK's No. 1 Commercial Fan

Lo-Carbon T-Series panel/ceiling models are suitable for mounting at any angle in internal partitions, ceilings, ducts and, with louvre grilles, through external walls. When installed only the louvre grille is visible.

Instantaneous Shutter

With energy saving in mind, Lo-Carbon T-Series models are supplied complete with an integral instantaneous automatic louvre shutter concealed behind the interior grille. With a Lo-Carbon T-Series Controller the fan will operate on both extract and intake, suitable for any angle of mounting. When the ventilating unit is used with a Lo-Carbon T-Series controller, the shutter can be set open with the fan motor switched off to provide natural ventilation without the security risk of an open window.

Wire-less Control

Every Lo-Carbon T-Series Wire-less FM Controller uses unique digital signals to ensure trouble free operation. The controller will transmit through walls and floors allowing complete flexibility of design to control fans up to 30m away.

Top Socket

A connector Top Socket is now standard on all T-Series fans. Allowing fast and trouble-free mains connection.

Electrical

Suitable for operation in ambient temperatures from -40°C to +50°C.

Fitted with self resetting Standard Thermal Overload Protection (S.T.O.P.).

Supply voltage: 220-240V/1/50Hz.

Easy Cleaning

Integrated component design allows all parts to be dismantled for cleaning without the use of specialist tools.

Models

Wired
9" Panel **Stock Ref 456167**
12" Panel **456175**

Wireless
9" Panel **Stock Ref 456171**
12" Panel **456179**



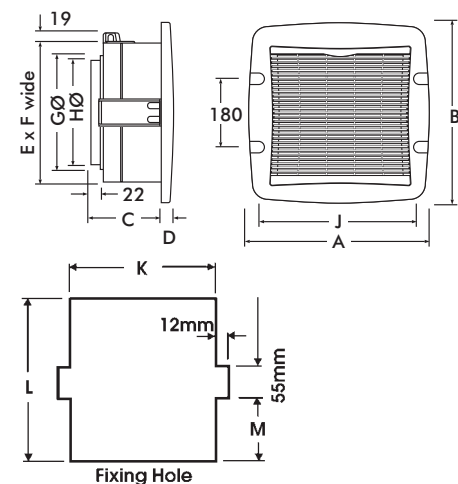
Controllers
Wire-less **Stock Ref 455874**
Wired **455873**

Dimensions (mm)

Size	9 in	12 in	Size	9 in	12 in
A	391	470	GØ	255	334
B	388	467	HØ	247	325
C	129	152	J	345	422
D	39	41	K	309	386
E	302	378	L	326	402
F	304	381	M	126	164

Weight kg: 9mm - 5.13, 12mm - 7.44

Controller (W x H x D) 97 x 99 x 32



Performance

Model	Curve	Extract performance m³/h (l/s)			Watts (high)	Sound dB(A) (med) @ 3m	Amps @ 240V
		low	medium	high			
Lo-Carbon TX9PL - Wire-less/Wired	1	357 (100)	601 (166)	799 (221)	30	41	0.33
Lo-Carbon TX12PL - Wire-less/Wired	2	737 (205)	1487 (413)	1761 (490)	67	48	0.70

Performance Graph

