B

Plastic construction (MTP)



Steel construction (MTS)



DESCRIPTION

The Minitube Series of duct mounted axial fans is suitable for domestic, commercial and industrial ventilation applications. Available in 5 sizes ranging from 150 to 350mm diameter. They can be supplied with plastic housings from 200 to 300mm diameter and metal from 150 to 350mm diameter.

Typical Applications

Exhausting or supplying air to applications handling clean ambient air. Plastic version is suited to domestic and commercial installations such as apartments, hotels, gymnasiums, schools and shopping centres. Steel version provides a robust alternative for commercial and industrial applications.

Features

- Choice of two light-weight but robust housing materials, metal or injection moulded plastic.
- Available in a range of speeds.
- MTP range matches 150mm, 200mm, 250mm and 300mm standard duct sizes.
- Can be speed controlled.
- Can be mounted in any position.
- An extensive range of matching ancillary equipment is available.
- For flameproof hazardous location applications refer to pages *B-32/33.*

Construction

Casings

MTP132 - aluminium fan housing with plastic spigots.
MTP range, 200 to 300 diameter - ABS injection moulded plastic.
MTS range, 200 to 350 diameter - Powder coated steel.

Impellers

All models - high strength powder coated steel.

Motors

Type - external rotor, squirrel cage induction motors.
Electricity supply - 230V, single-phase, 50/60Hz.
Bearings - sealed- for-life, ball.
Speed-controllable.
Motor Protection IP44.
See pages *O-2/3* for details on these motors.

Internal Thermal Protection

All models have manual reset protection fitted as standard.

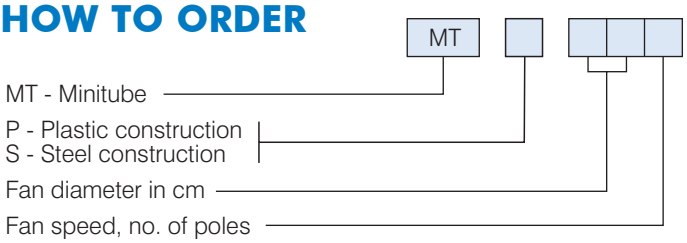
Testing

Air flow tests to ISO5801:2004.
Noise tests to BS848:Part 2, 1985.

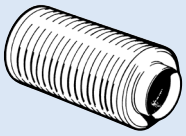
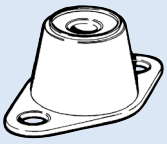
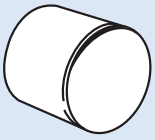
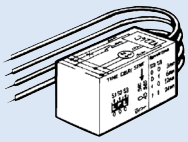
Wiring Diagram

See page *N-8*, diagram *ER 4, 6.*

HOW TO ORDER



ANCILLARY EQUIPMENT

 CC - Circular attenuator *Ref. Section H*	 Vibration isolators *Ref. Section I*	 FC - Fast clamp *Ref. Section J*
 WT - Wall tube *Ref. Section J*	 Ducting, Louvres & Grilles, *Ref. Section L*	 VA - Speed controller *Ref. Section M*
 VZ - Run-on timer *Ref. Section M*		

TECHNICAL DATA

Model Number MT...	Fan Speed rev/sec	Avg. dB(A) @ 3m	MTP/S.. 1 ph. Watts	Amps*	Max. °C
P132	46	43	46	0.25	50
P/S202	43	52	70	0.36	50
P/S204	24	39	30	0.14	60
P/S252	42	51	110	0.63	50
P/S254	23	40	60	0.28	60
P/S302	41	62	180	0.79	50
P/S304	22	47	90	0.41	50
P/S306	16	37	50	0.23	50
S354	20	49	140	0.68	50
S356	16	40	110	0.48	50

* Amperages shown are a guide only. Refer to our Sales Department for accurate figures at time of order.

SUGGESTED SPECIFICATION

The fans shall be of the Minitube Series designed and manufactured by Fantech Pty Ltd.

The axial impellers shall be direct driven by speed-controllable external rotor motors with integral thermal protection.

Fan casings shall be of ABS Plastic or steel, select as necessary, with integral mounting brackets.

Impellers shall be of powder coated steel.

All models shall be fully tested to ISO5801:2004 for air flow and BS848:Part 2, 1985 for noise.

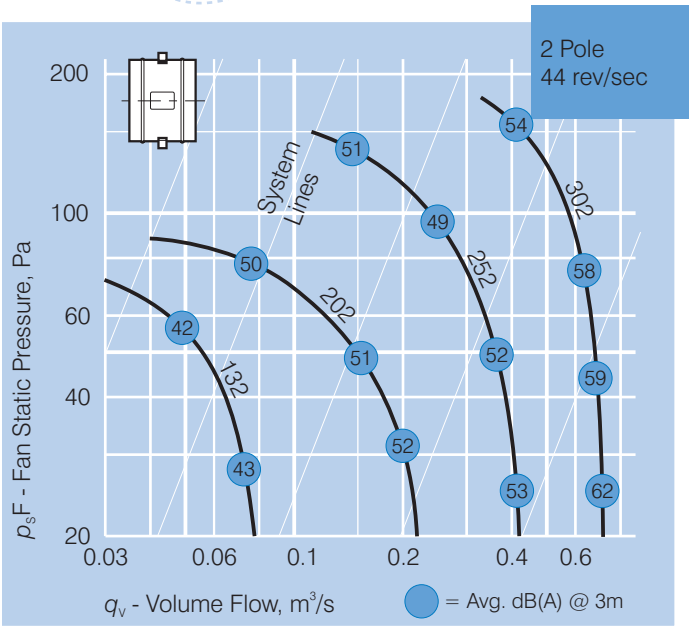
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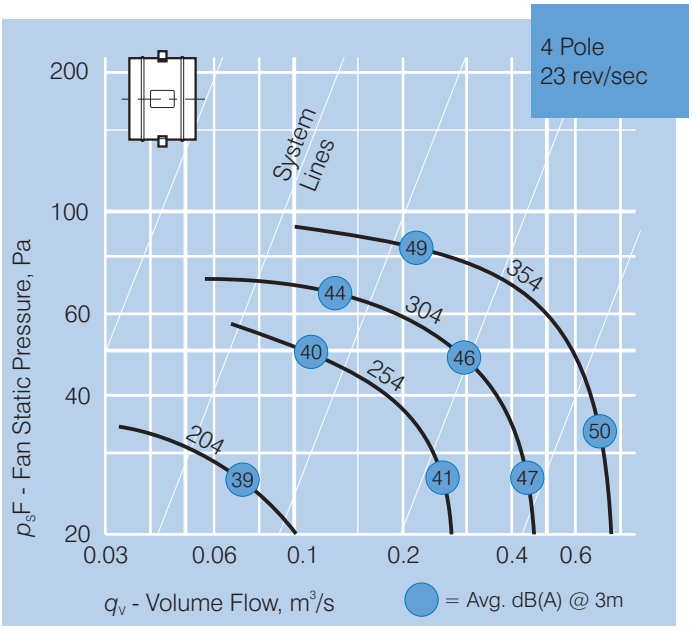
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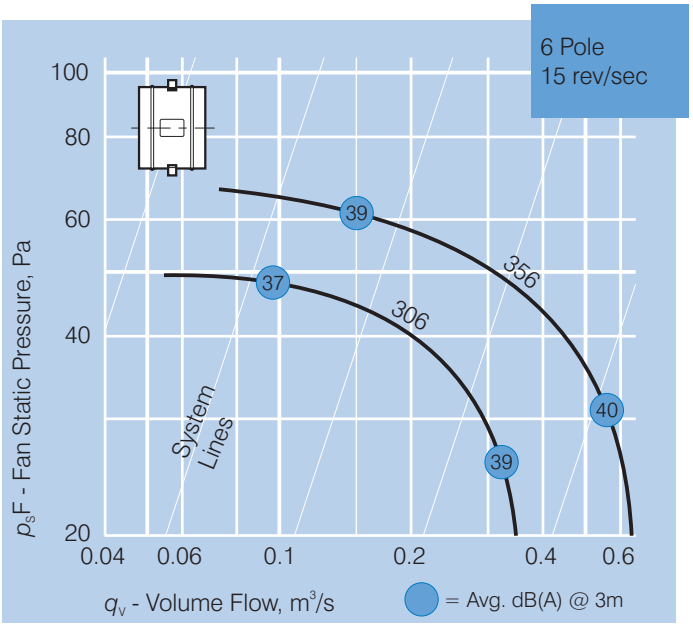
NOISE DATA

Model Number MTP/S..	In-duct Sound Power Levels L_wdB re 1pW 63	125	250	500	1k	2k	4k
132	51	51	59	55	57	58	56
202	78	69	68	66	69	65	60
204	60	70	54	56	54	49	40
252	62	71	67	67	67	65	60
254	63	64	57	57	57	54	47
302	63	66	74	75	80	75	71
304	60	64	64	61	64	62	55
306	53	57	55	53	54	52	44
354	62	67	70	64	65	64	59
356	54	60	61	56	56	54	49

Sound Power Levels shown are the highest for each fan model and for the Inlet Side of the unit.

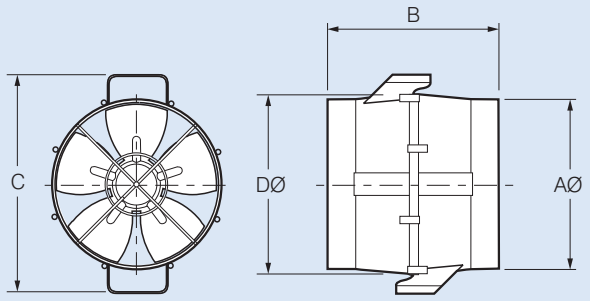






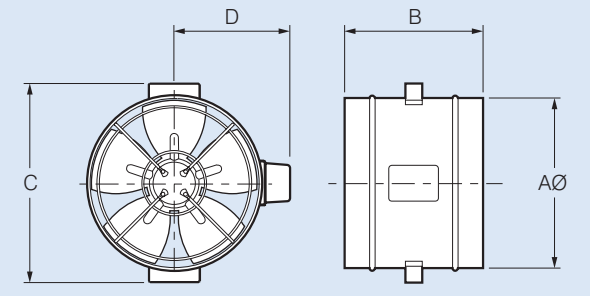
DIMENSIONS

MTP - Plastic construction



Model Number MTP..	Dimensions, mm AØ	B	C	DØ	App. Weight kg
132	147	165	-	-	1.5
20.	197	250	270	215	2.1
25.	247	250	320	265	2.7
30.	297	250	370	315	3.5

MTS - Steel construction



Model Number MTS..	Dimensions, mm AØ	B	C	D	App. Weight kg
20.	206	250	236	164	3.5
25.	260	250	296	190	4.0
30.	311	250	346	219	4.8
35.	363	250	405	245	5.1

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