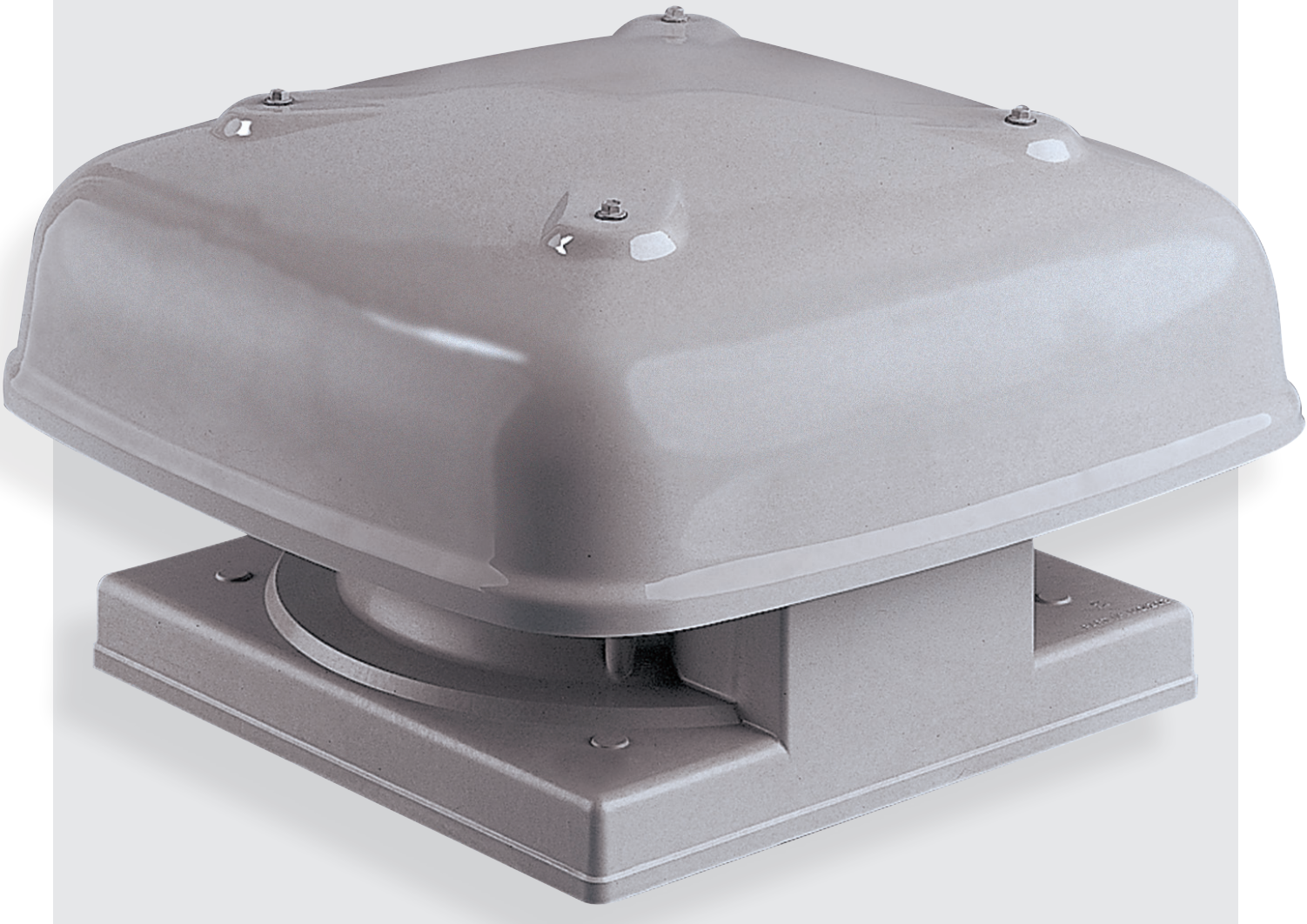
MINIVENT

Axial Roof Unit

ELTA



MINIVENT

Description

The Minivent axial roof units has been designed for use in a wide range of free intake or ducted exhaust air applications. They can be speed controlled and are available in 6 sizes ranging from 112 to 350mm diameter.

Typical Applications

General exhaust from domestic and commercial premises such as small warehouses, workshops, storerooms, bathrooms, kitchens and laundries.

Features

- Robust, lightweight construction.
- Wide choice of speeds for most sizes.
- All motors are speed controllable.
- Can be used on ducted systems.
- Can be mounted at angles up to 30°.
- Backdraft shutters can be fitted to fans 250 to 350mm diameter (see Additional Information).
- Units for supply air applications can be supplied. Refer to Alpha supply range.

Construction

Cowls are of UV-stabilised injection moulded plastic.

The impellers are of powder coated galvanised steel.

Motor

Type - external rotor, squirrel cage induction motors.

Electricity supply - 230V, single-phase, 50/60Hz.

Ball Bearing - sealed for life.

Speed-controllable.

Motor protection - IP44.

Internal Thermal Protection

MV112 and 132 are impedance protected.

MV202 and above are fitted with thermal contacts as standard.

Testing

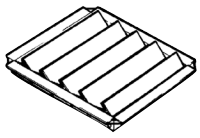
Airflow tests to BS848:Part 1, 1980

Noise tests to BS848:Part 2, 1985

Additional Information

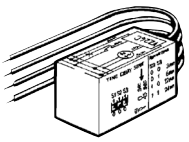
When backdraft-shutters are used derate the performance by 15-20%.

Ancillary Equipment



CBD - Backdraft shutter

VA - Speed controller



VZ - Run-on timer

Suggested Specification

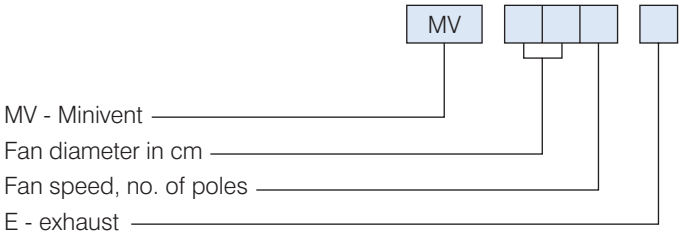
The roof units shall be of the Minivent as designed and manufactured by Elta.

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

The cowl shall be of UV-stabilised, injection moulded plastic with built-in terminal box.

All models shall be fully tested to BS848:Part 1, 1980 for airflow and BS848:Part 2, 1985 for noise.

How To Order



Tel **+603 7846 0340** Email **info@elta.asia** Website **elta.asia**

MINIVENT

Technical Data

Model Number MV..	Fan Speed rev/sec	Avg. dB(A) @ 3m	Single-phase Watts	Amps*	Max. °C
112	44	33	22	0.11	50
132	46	43	46	0.25	50
202	43	52	70	0.36	50
204	24	38	30	0.14	60
252	42	51	110	0.63	50
254	23	42	60	0.18	60
302	41	55	180	0.79	50
304	22	44	90	0.41	50
306	16	39	50	0.23	50
354	20	50	140	0.68	50
356	16	45	110	0.48	50

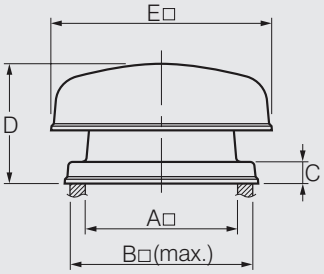
* Amperages shown are a guide only. Refer to our Sales Department for accurate figures at time of order.

Noise Data

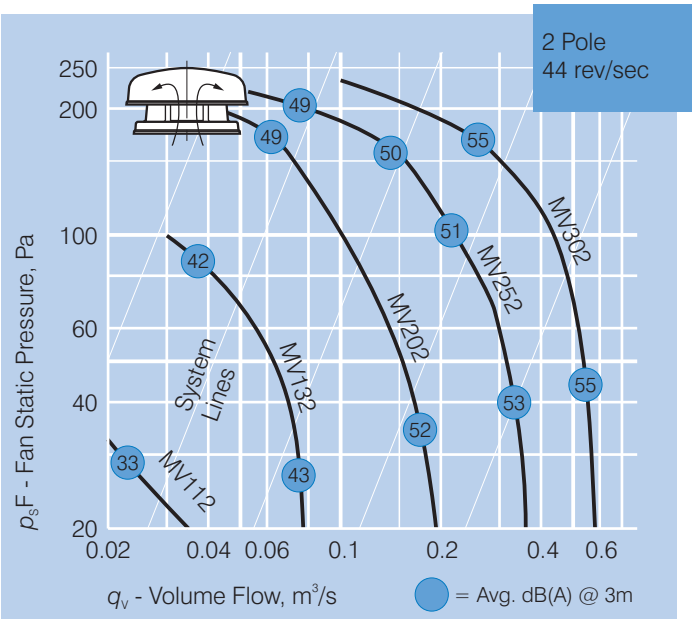
Model Number MV..	In-duct Sound Power Levels L_wdB re 1pW 63	125	250	500	1k	2k	4k
112	-	34	42	50	48	47	43
132	51	51	59	55	57	58	56
202	67	69	73	71	66	65	59
204	53	65	59	57	52	47	39
252	66	72	73	69	65	63	58
254	62	67	67	60	56	52	45
302	67	74	74	75	70	67	64
304	66	67	67	63	58	54	49
306	58	64	64	54	47	53	39
354	67	72	73	65	65	63	57
356	60	66	70	64	57	56	46

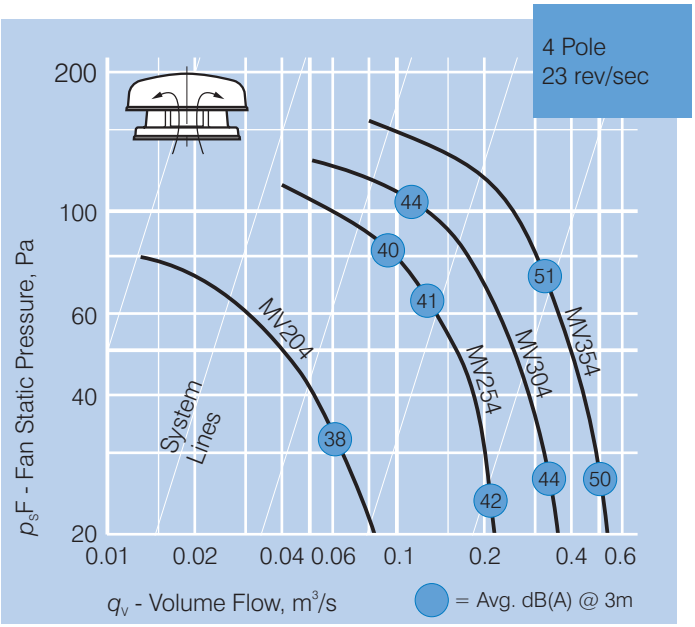
Sound Power Levels shown are for the Inlet Side of the unit.

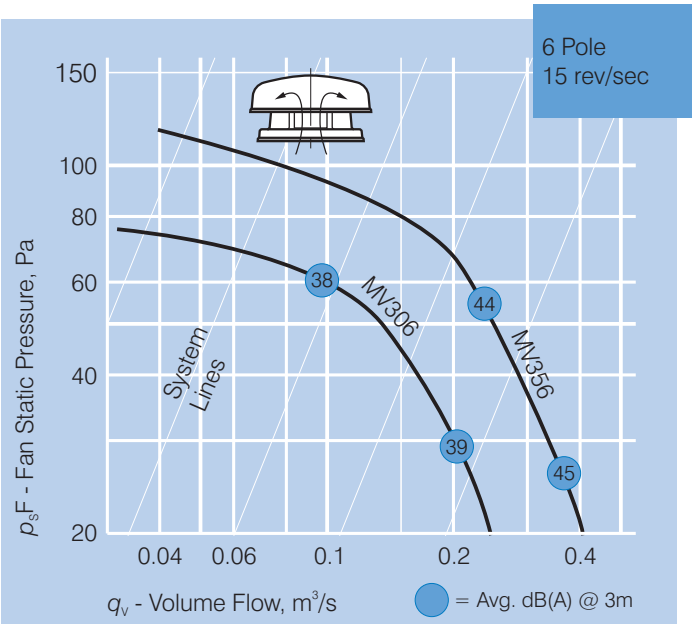
Dimensions



Model Number MV..	Dimensions, mm A□	B□	C	D	E□	App. wt. kg.	App. vol. m^3
112	210	260	30	200	310	1.3	0.02
132						1.9	
202	350	410	55	350	570	4.6	0.14
204						4.5	
252						5.9	
254						6.1	
302	350	410	55	350	570	6.9	0.14
304						6.5	
306						6.5	
354	400	500	95	380	670	8.5	0.20
356						8.5	







Elta Asia Sdn Bhd

Tel **+603 7846 0340**
Email **info@elta.asia**

elta.asia

MVS-05-2026 Issue A

FS 676456

A MEMBER OF ELTA GROUP