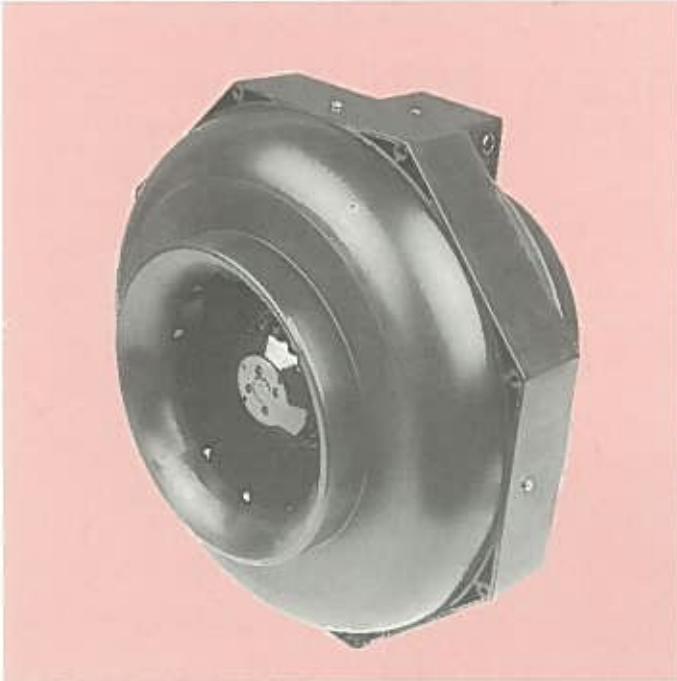


**rosenberg**



**The Quality Industrial Fans of Germany**

## In-line tube Fans



100% speed controllable through auto transformers or electronic control

Quiet operation.

Multi-positionable mounting bracket.

Internally mounted capacitor, protection class of casing to IP54.

Many thousands in operation.

### GENERAL

As a result of our programme of continuous development the new range of tube fans type RS offers a range of features to keep it ahead of the competition.

Powered by the latest generation of ROSENBERG external rotor motors, 0 to 100% speed controllability can be achieved using transformer or electronic devices. All motors in the range have thermal contacts within the motor windings thus providing full motor protection. Motors have IP44 protection class and are suitable for operating temperatures up to 60°C, depending on the fan selected.

### Casing

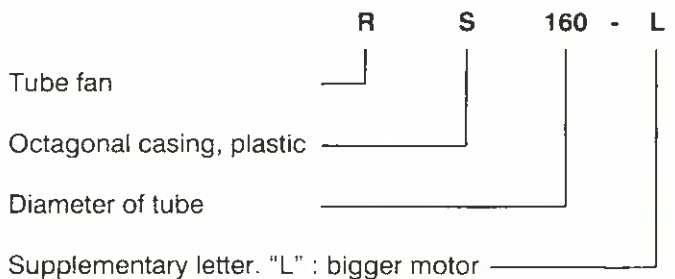
The casings are manufactured in a two part injection mould of polyamide with 15% fibre glass giving a very durable finished unit. The discharge section incorporates guide-vanes for enhanced performance and efficiency. The running capacitor is mounted on the rear of the motor mounting plate and is pre-wired to the external IP 54 terminal box. This makes the electrical installation a very easy operation. The octagonal casing and multi-position bracket makes fixing also a simple operation, keeping time on site to a minimum.

### IMPELLER

The impellers are manufactured from impact resistant polyamide with 25% fibre glass compound and a galvanised steel back plate. The result is a tough unit that will have a long and trouble free life.

**We also have a tube fan range with a cylindrical steel / alu. casing.**

### Reference Code



### Electrical

The data quoted for performance is measured at 230V/50HZ. in line with the latest E.C. directive. The ROSENBERG range is rated at the new preferred voltages, ie. single phase 230 volts. Fans will be suitable for operation at existing 230/415 voltages in addition to the standard European voltages.

Other voltages and motors suitable for 60 Hz supply are available on request.

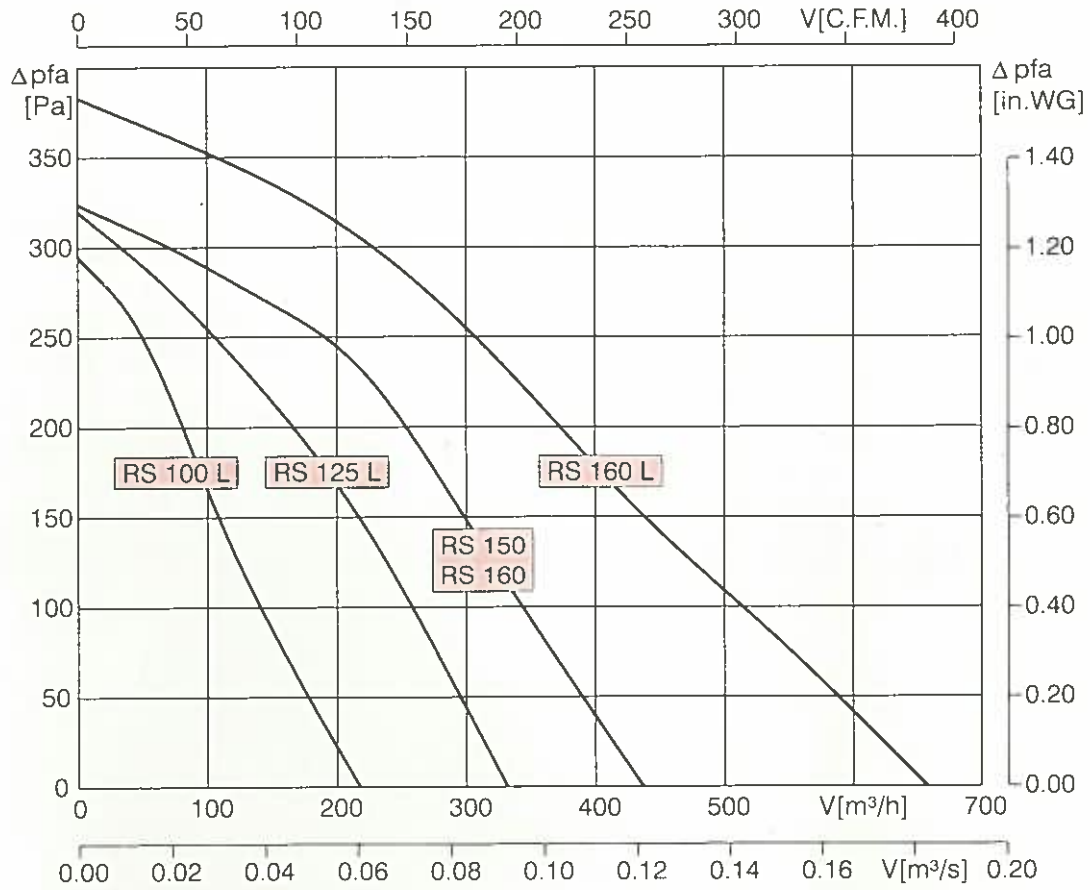
### Performance

Performance figures given have been tested in accordance with DIN 24 163 with an air density of 1.2 kg/m<sup>3</sup> (BS 848 part 1 1980 and BS 848 part 2 1985).

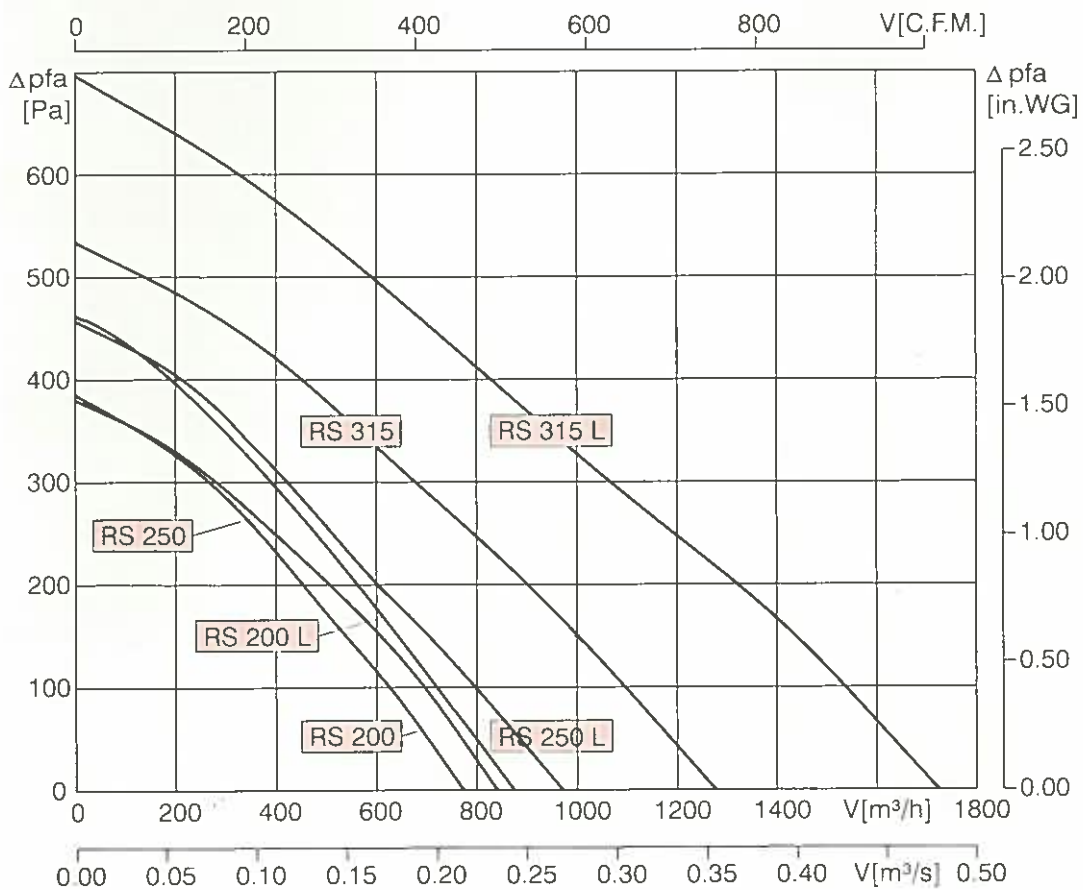
### Speed controller

Speed controllers as transformers or electronic control units are available.

## RS 100L to 160L



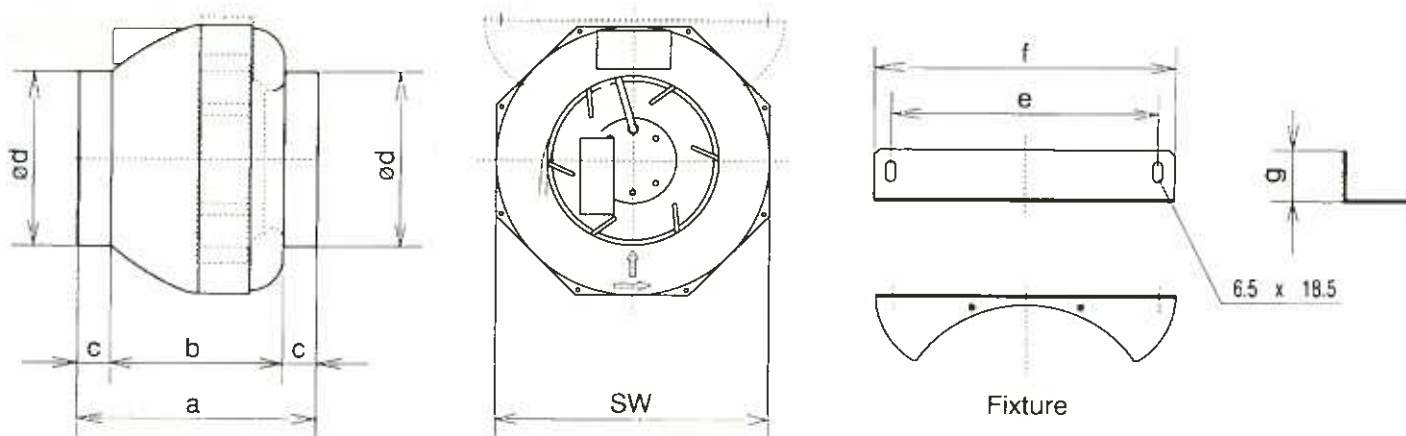
## RS 200 to 315L



## Technical data

Size	m [kg]	U <sub>N</sub> [V]	P <sub>1</sub> [W]	I <sub>N</sub> [A]	n [1/min]	C <sub>400v</sub> [kg]	t <sub>r</sub> [°C]	I <sub>A</sub> / I <sub>N</sub>	dB <sub>A</sub>
RS 100L	2.4	230	40	0.18	2030	3	60	1.8	35
RS 125L	2.7	230	70	0.31	2540	2	60	1.5	38
RS 150	3.1	230	70	0.31	2520	2	60	1.6	36
RS 160	3.1	230	70	0.31	2520	2	60	1.6	36
RS 160L	3.5	230	125	0.54	2515	3	45	1.7	45
RS 200	3.6	230	120	0.52	2550	3	45	1.7	46
RS 200L	4.1	230	180	0.78	2520	5	40	1.5	46
RS 250	4.0	230	120	0.52	2550	3	45	1.7	43
RS 250L	4.5	230	170	0.75	2550	5	50	1.6	45
RS 315	6.3	230	220	0.98	2450	5	45	1.7	47
RS 315L	7.0	230	280	1.20	2300	8	60	1.4	53

## Dimensions



	RS 100L	RS 125L	RS 150	RS 160 RS 160L	RS 200 RS 200L	RS 250 RS 250L	RS 315 RS 315L
d	100	124	149	159	199	249	314
SW	245	245	340.5	340.5	340.5	340.5	405
a	220	220	230	230	230	230	275
b	160	160	170	170	170	170	215
c	30	30	30	30	30	30	30
e	240	240	240	240	240	240	375
f	270	270	270	270	270	270	405
g	47	47	47	47	47	47	47

