

**"Give me ten
good reasons
why I should use
VES Round Fans"**



ROUND FANS

Just the job

1 They are compact and powerful

PLUS

3 Filter Boxes

2 Matching Silencers

4 Electric Heaters

5 Control Panels

6 Speed Controllers

7 Screen Guards

9 Duct Clamps

8 Wall Shutters

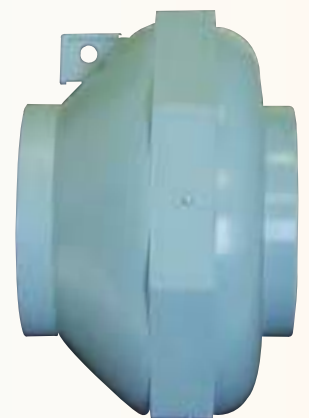
10 All available EX-STOCK



RS Round Fans can be used in air that is slightly dusty and greasy, and with some aggressive gases and fumes (check with sales office). They are also ideal for use in a saline or swimming pool atmosphere.

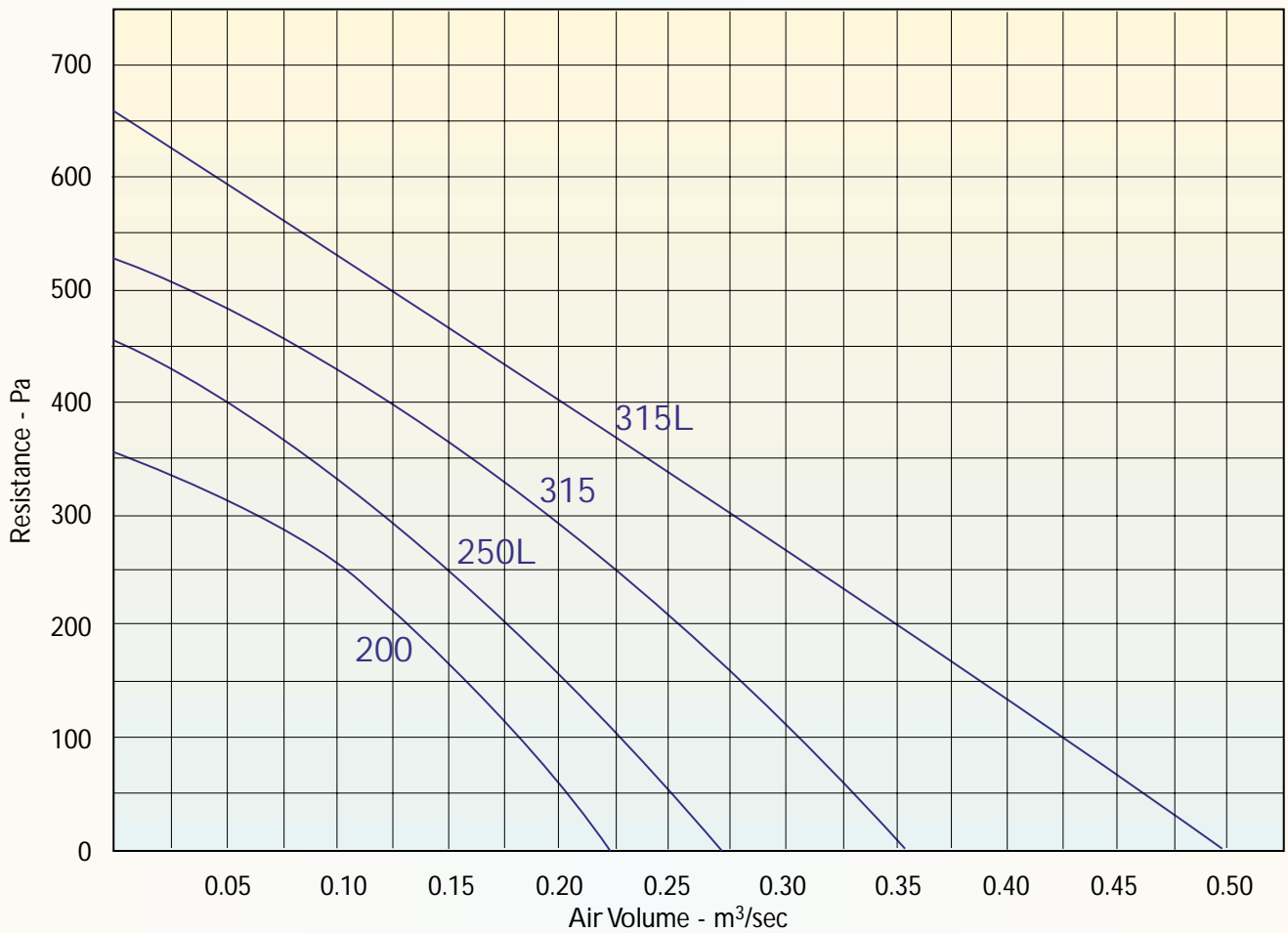
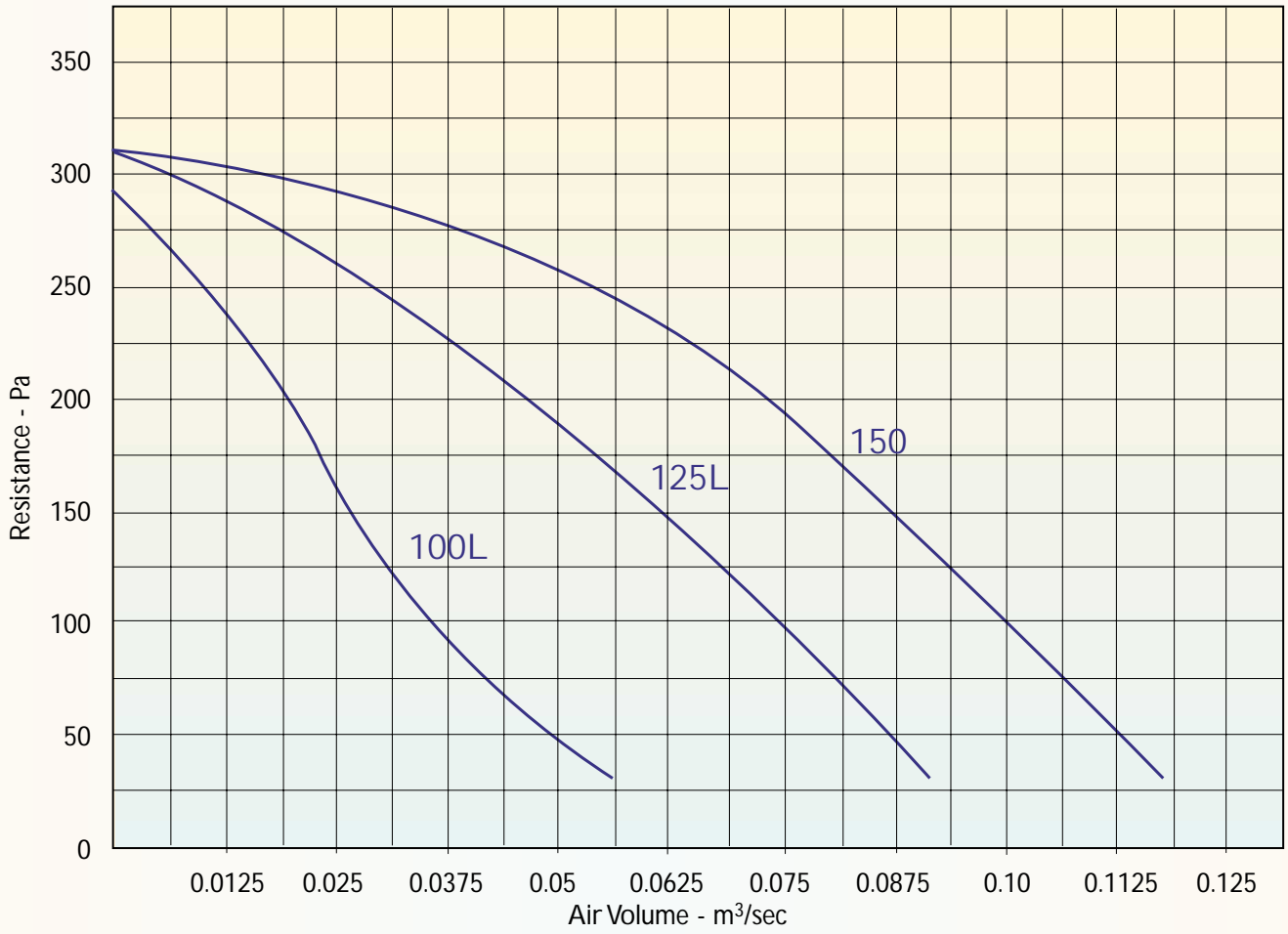
Air temperature range -30°C to +40°C, humidity up to 95%.

Fan casing and impeller plastic, external rotor motor coated in epoxy paint, prewired to an external terminal box with fitted capacitor where necessary.

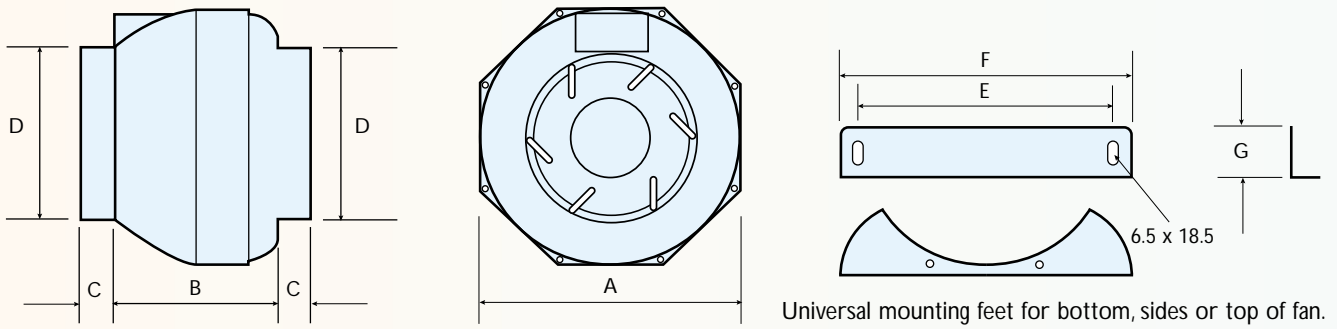




Fan Performance Curves



ROUND FANS Dimensions

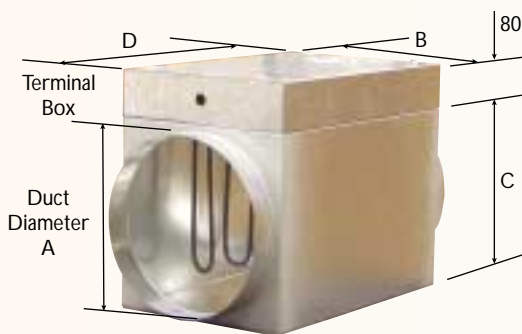


Fan Model	Dimensions - mm							Weight kg	Speed RPM	Motor Watts	FLC amps
	A	B	C	D	E	F	G				
RS 100L	245	160	30	100	240	270	47	2.4	2030	40	0.18
RS 125L	245	160	30	124	240	270	47	2.7	2540	70	0.31
RS 150	340	170	30	149	240	270	47	3.1	2520	70	0.31
RS 200	340	170	30	199	240	270	47	3.6	2550	120	0.52
RS 250L	340	170	30	249	240	270	47	4.0	2550	170	0.75
RS 315	405	215	30	314	375	405	47	5.0	2450	220	0.88
RS 315L	405	215	30	314	375	405	47	5.5	2300	280	1.20

Motors designed for 230 volt, 50Hz, 1 phase supply.

Electric Heaters for use with RS Round Fans

Terminal Box can be on top or side



Fan Model	Dimensions - mm				*Standard Kw Rating	Minimum Airflow m ³ /sec	VES Control Panel
	A	B	C	D			
RS100L	100	125	125	350	0.5	0.01	CPE 1
RS125L	125	150	150	350	1.0	0.02	CPE 1
RS150	150	175	175	425	1.25	0.03	CPE 1
RS200	200	225	225	425	2.0	0.04	CPE 1
RS250L	250	275	275	500	2.5	0.05	CPE 1
RS315	315	340	340	500	5.0	0.10	CPE 2
RS315L	315	340	340	500	6.0	0.12	CPE 2

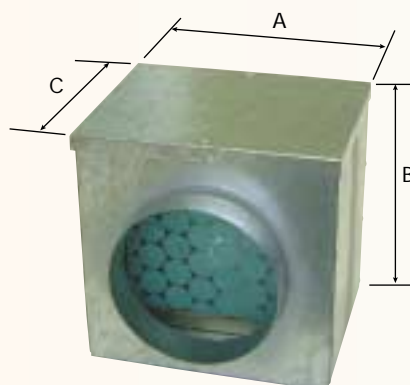
Calculate your airflow and heater kw requirements using the formula:

$$\text{Air Volume m}^3/\text{sec} \times \text{Constant } 1.21 \times \text{Temp. diff. } ^\circ\text{C} = \text{kw}$$

$$\text{or } \frac{\text{kw}}{1.21 \times \text{Temp. diff. } ^\circ\text{C}} = \text{Air Volume m}^3/\text{sec}$$

Series KF Filter Boxes

Contains a glass fibre disposable cell panel, non-hydroscopic and flame retardant. EU3 to Eurovent 4/5 and G3 to BS EN 779 Standard. Optional EU4 (G4) filter can be supplied.



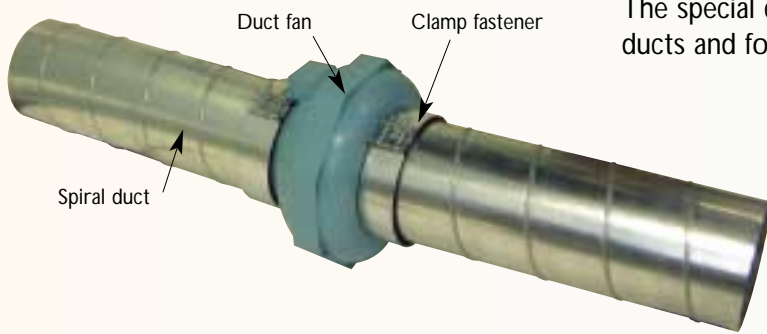
Model	A	B	C	*Air Pressure Drop
RS 100FS	205	201	200	20 @ 0.04
RS 125FS	205	201	200	40 @ 0.06
RS 150FS	256	251	200	40 @ 0.10
RS 200FS	306	302	250	40 @ 0.18
RS 250FS	383	378	250	40 @ 0.26
RS 315FS	383	378	250	60 @ 0.34

Dimensions in mm.

* Air Pressure Drop in Pa at volume m³/sec, with clean filter.

Access panel can be top, side or bottom.

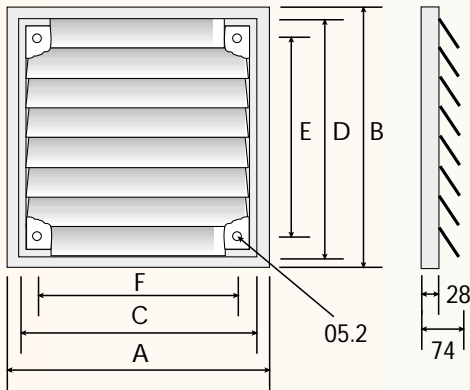
ROUND FANS FK Fast Clamps



The special clamp fastener is recommended to support ducts and for inspection and cleaning of the fan.

Fan Size	Clamp Fastener Type
RS 100L	FK 100
RS 125L	FK 125
RS 150	FK 150
RS 200	FK 200
RS 250L	FK 250
RS 315	FK 315
RS 315L	FK 315

Louvre Shutters



Self-closing air flow operated louvre shutters characterised by a low flow resistance. A counterweight is cast into each vane to ensure that the shutter opens completely. All parts are manufactured using weather-resistant and UV resistant nylon. Simple installation, the required plugs and screws are supplied.

Type	A	B	C	D	E	F
VK 20	240	240	200	200	167	193
VK 30	340	340	300	300	267	293
VK 35	390	390	350	350	317	343
VK 40	440	440	400	400	367	393



Screen Guard

- Wire Guard.
- All sizes available.
- Fit direct to fan or duct

- Model No's:
- SG 100
 - SG 125
 - SG 150
 - SG 200
 - SG 250
 - SG 315

Speed Controller



Model V2 for all fans.

Dimensions:

90mm wide
150mm high
45mm deep

Control Panels



CPE 1

Low cost one step electric heating up to 3.0kw.

CPE 2

Control for up to 6.0kw electric heating in two steps.

Duct or room sensor supplied with 10 metres of cable.



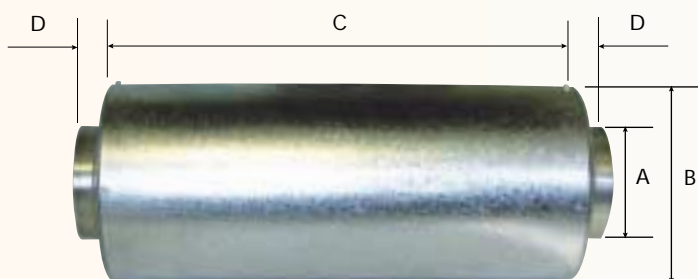
Fan Model No	Sound Power Level - In Duct, PWL, dB ref 10 ⁻¹² w								SPL, dBA @ 3 metres from outlet
	Centre Frequency - Hz								
	63	125	250	500	1K	2K	4K	8K	
RS 100L	67	70	74	70	61	53	47	40	52
RS 125L	65	68	70	70	59	55	47	39	51
RS 150	64	67	70	68	59	57	49	41	50
RS 200	75	78	76	73	70	66	61	54	57
RS 250L	78	81	79	71	69	65	63	58	57
RS 315	72	75	75	72	68	64	62	58	56
RS 315L	75	78	76	71	66	61	58	52	55

Noise Breakout Levels *Sound Pressure Levels at 1 metre from fan.*

Fan Model No.	NR Level	dBA Level	Centre Frequency - Hz							
			63	125	250	500	1K	2K	4K	8K
RS 100L	45	48	45	48	52	48	39	41	25	18
RS 125L	45	47	43	46	48	48	37	33	25	17
RS 150	45	46	43	46	49	47	38	36	28	20
RS 200	50	51	52	56	54	51	48	44	39	32
RS 250L	50	57	59	62	60	52	50	46	44	39
RS 315	55	57	55	58	58	55	51	47	45	41
RS 315L	55	59	61	64	62	57	52	47	44	38

For sound level at 3 metres from fan, deduct 10dB from all above figures.

LD Silencers



Model	A	B	C	D	Weight kgs
LD 100	98	204	600	40	4.6
LD 125	123	230	600	40	5.4
LD 150	148	255	600	40	6.1
LD 200	198	305	900	40	11.0
LD 250	248	355	900	40	13.2
LD 315	313	420	1200	40	21.0

The LD range of circular silencers will fit directly to the RS fans using a fast clamp. Construction is of galvanised sheet steel cases with mineral wool infill retained by perforated galvanised steel sheet.

LD Silencer Attenuation

Model	dB Insertion Loss - Centre Frequency Hz							
	63	125	250	500	1000	2000	4000	8000
LD 100	5	8	15	33	39	40	36	20
LD 125	4	8	13	30	35	35	31	15
LD 150	4	7	12	23	30	36	31	15
LD 200	7	9	14	32	39	36	26	15
LD 250	5	8	12	24	30	30	22	14
LD 315	6	9	14	23	32	32	18	15



Just add air

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VES reserve the right to amend product specifications and details without notice.

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ISO 9001-2000
Cert. No. Q5375