

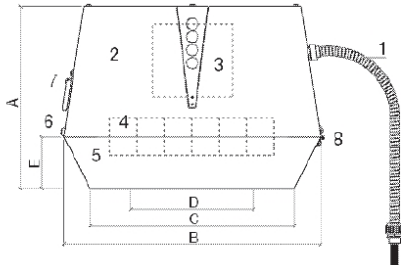
- | | |
|------------------------------|-------------------|
| 1. Connecting cable | 5. Bottom section |
| 2. Top section | 6. Locking screws |
| 3. Motor | 7. Handle |
| 4. Vane/centrifugal impeller | 8. Hinges |

A	B x B	C x C	D	E
250	310	240	160	70

Unit of measure: mm

Hekon art. : EXH-RSV160

Technical data



- 1. Connecting cable
- 2. Top section
- 3. Motor
- 4. Vane/centrifugal impeller
- 5. Bottom section
- 6. Locking screws
- 7. Handle
- 8. Hinges

Model	Motor data				Weight kg	Dimension (mm)				
	rpm	V	Amp	kW*		A	B x B	C x C	D Ø	E
RSV009-4-1	1400	1 x 230	0,2	0,05	13	250	310	240	215	70
RSV012-4-1	1400	1 x 230	0,4	0,07	17	280	390	310	275	80
RSV014-4-1	1400	1 x 230	0,8	0,16	24	335	485	385	335	100
RSV016-4-1	1400	1 x 230	1,8	0,32	35	380	580	465	365	115
RSV160-4-1	1400	1 x 230	0,4	0,04	12	250	310	240	160	70
RSV200-4-1	1400	1 x 230	0,4	0,07	18	280	390	310	200	80
RSV250-4-1	1400	1 x 230	0,8	0,16	27	335	485	385	250	100
RSV315-4-1	1400	1 x 230	1,8	0,37	37	380	580	465	315	115
RSV400-4-1	1400	1 x 230	2,9	0,60	47	430	650	525	400	130
RSV400-4-2**	1720	3 x 400	3,5	0,75	52	460	650	525	400	130
RSV450-4-2**	1720	3 x 400	6,5	1,50	58	590	650	525	400	220

*Power consumption at ambient temperature of 20 °C

**Frequency converter is required

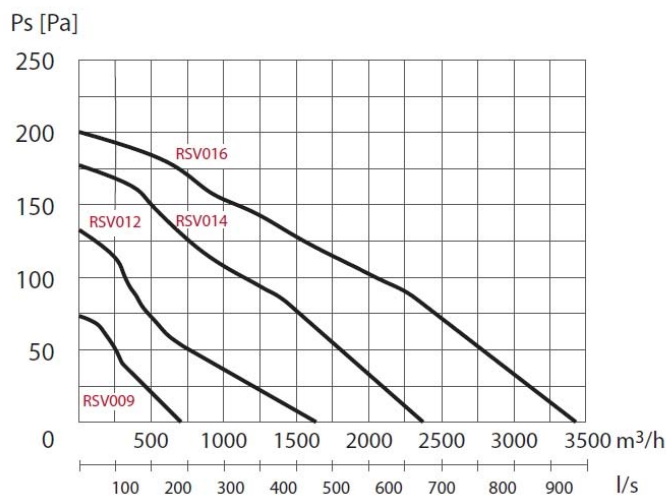
The RPM of the above fan models are infinitely adjustable

Motor protection IP rating IP54

Insulation class F

Capacity diagrams

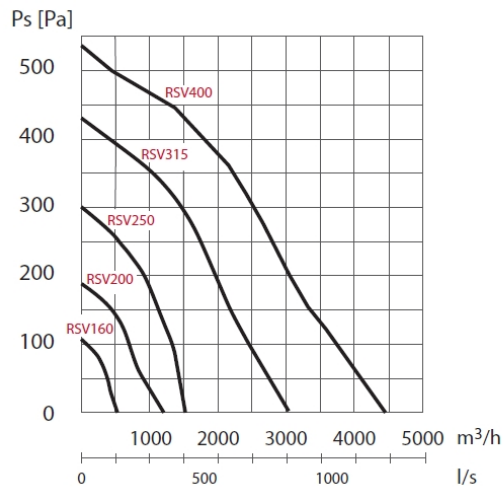
RSV009 to RSV016



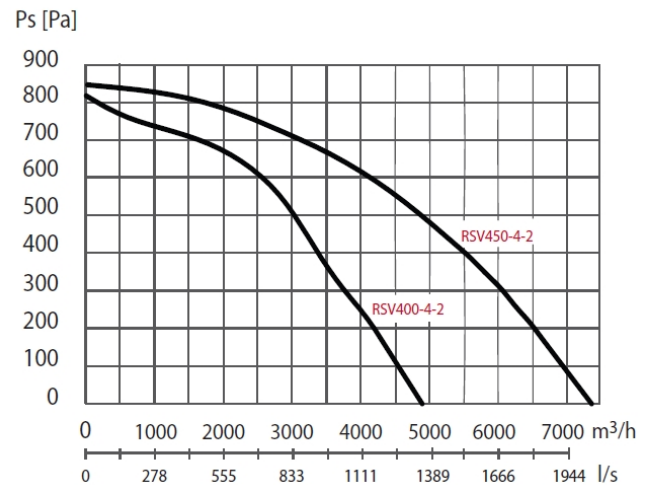
Type	Test flue diameters
RSV009	Ø 160 mm
RSV012	Ø 200 mm
RSV014	Ø 250 mm
RSV016	Ø 315 mm
RSV160	Ø 160 mm
RSV200	Ø 200 mm
RSV250	Ø 250 mm
RSV315	Ø 315 mm
at 1400 rpm	
RSV400	Ø 400 mm
RSV450	Ø 400 mm
at 1720 rpm	

Hekon art. : EXH-RSV160

RSV160 to RSV400



RSV400-4-2 to RSV450-4-2



PLEASE NOTE: The capacity diagrams are measured with a flue gas temperature of 20 °C. The fan's capacity changes with the temperature of the flue gases. The correction of the capacity can be calculated using the following equation:

$$P_{s_{20}} = P_s \times \frac{273 + t}{293}$$

P_s = static pressure
 t = temperature measured in °C

Example

System demand: 500 m³/h and 90 Pa at 180 °C

Fan selection: 500 m³/h and 139 Pa at 20 °C

Sound data

Sound levels to external surroundings								
Sound data								
Model	Lw (dB)							Lp dB (A)
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
RSV009-4-1	57	55	54	49	40	35	26	26
RSV012-4-1	64	62	61	55	51	46	40	33
RSV014-4-1	71	70	68	61	56	50	44	40
RSV016-4-1	76	76	70	65	60	55	49	44
RSV160-4-1	56	54	57	51	44	34	28	30
RSV200-4-1	64	62	61	55	51	46	40	33
RSV250-4-1	64	68	66	65	61	49	45	41
RSV315-4-1	71	75	70	73	68	57	52	48
RSV400-4-1	76	80	75	79	74	62	57	53
RSV400-4-2	87	82	76	76	68	62	58	57
RSV450-4-2	78	88	80	84	77	67	61	59

Tolerance +/- 3 dB

Lw = sound effect level dB (reference: 1 pW)

Lp = sound pressure level dB (A) at 10 m distance from the fan at half spheric sound distribution

Lp (5 m) = Lp (10 m) + 6 dB

Lp (20 m) = Lp (10 m) - 6 dB

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