



Roof fans RBV



Exhaust fan



Vertical position



IP 44 protection class

Design

Roof fan, radial with vertical air exhaust. Cover made of galvanised sheet. Rotor with backward curved impeller, made of galvanised sheet, dynamically balanced. A special system of drainage holes prevents the entry of rainwater into the interior of the installation.

Usage

Vertical air exhaust makes the fan particularly suitable for applications that extract polluted air and cannot be thrown horizontally in facilities such as factories, hospitals, restaurants, offices and residential buildings.

Electric motor

External motor with closed structure, powered by single-phase current 230V, 50Hz or three-phase 400V, 50Hz. Suitable for voltage regulation or frequency converter (3 phase products). Protection class IP 44, insulation class B or F.

Operating temperature

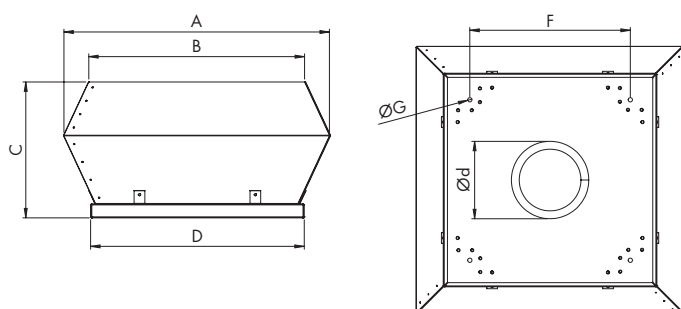
The fan is designed to transmit air with a temperature not exceeding 50°C.

Technical specifications

Model	Air flow [m³/h]	Impeller speed [rpm]	Power [W]	Current [A]	Voltage [V]	Frequency [Hz]	Capacitor [µF]	Sound pressure level [dB(A)]	Weight [kg]	Controller HRX	Controller HRB	Frequency converter	Inlet flange
RBV-225/850 M	850	2650	160	0,71	230	50	6	43-35	7	1,0	1,5	-	ILB 200
RBV-315/1650 M	1900	1450	150	0,92	230	50	6	45-37	22	2,5	1,5	-	ILB 315
RBV-355/2750 M	2850	1400	200	1,10	230	50	8	46-38	34	2,5	1,5	-	ILB 355
RBV-400/3600 M	4000	1380	310	1,56	230	50	10	47-39	39	2,5	3,0	-	ILB 400
RBV-450/5800 M	5400	1390	425	2,17	230	50	10	50-42	51	4,0	3,0	-	ILB 450
RBV-500/8000 T	7600/5700	1400/1050	960/620	2,0/1,1	400 Δ/Y	50	-	52-44	60	-	-	Yes	ILB 500
RBV-560/10000 T	9600/7300	1250/950	1515/870	2,9/1,7	400 Δ/Y	50	-	60-52	99	-	-	Yes	ILB 560

Sound pressure level measured outdoor at 4 and 10 m.

Technical drawing



Dimensions [mm]

Model	A	B	C	D	Ød	F	G
RBV-225/850 M	350	295	190	335	146	245	10
RBV-315/1650 M	552	450	330	505	185	450	10
RBV-355/2750 M	745	607	385	595	234	450	10
RBV-400/3600 M	745	607	385	595	270	450	10
RBV-450/5800 M	900	742	512	665	282	630	10
RBV-500/8000 T	900	742	512	665	320	630	12
RBV-560/10000 T	1190	955	595	946	360	740	12

Accessories



HRX
Electronic speed controller
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FKOV
Filter G3 for round ducts
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AKUFLEX
Flexible acoustic silencer
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RSKV
Backdraft damper
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HRB
Transformer speed controller
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PSH
Pressure switch
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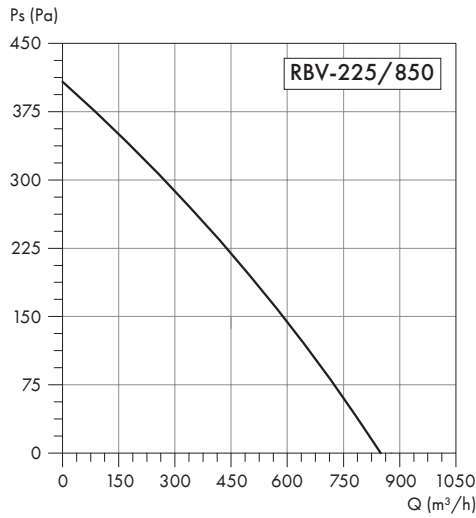


PCC
Fastening clamp
page 81

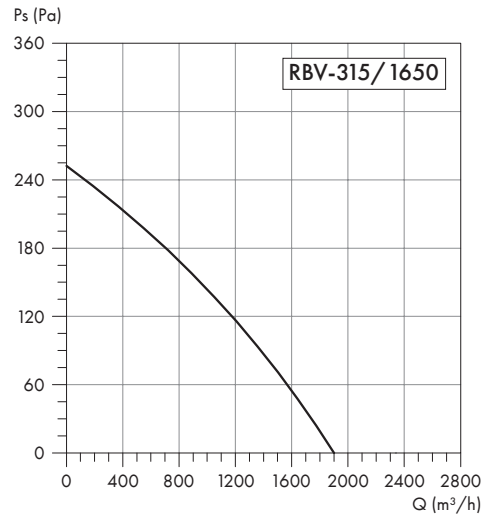


WSH
Service switch
page 177

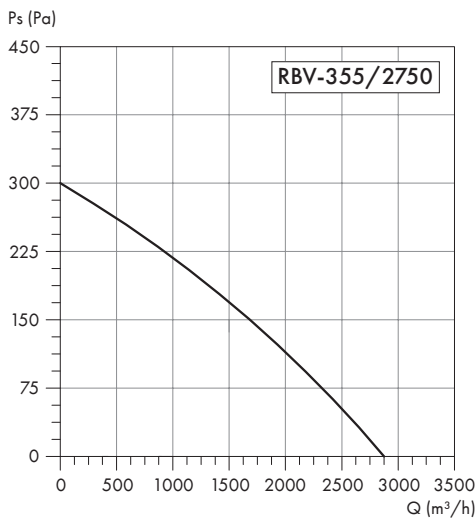
Characteristics



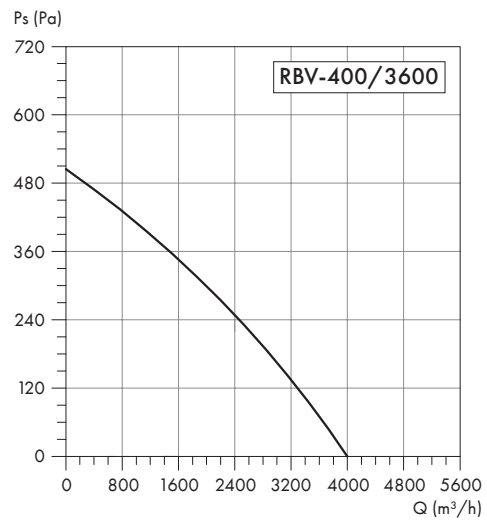
Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	65	36	54	58	60	59	56	51	44	dB(A)
L_{wA} Emitted	66	37	53	59	61	60	57	52	45	dB(A)



Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	68	55	57	61	63	62	59	54	47	dB(A)
L_{wA} Emitted	70	57	59	63	65	64	61	56	49	dB(A)

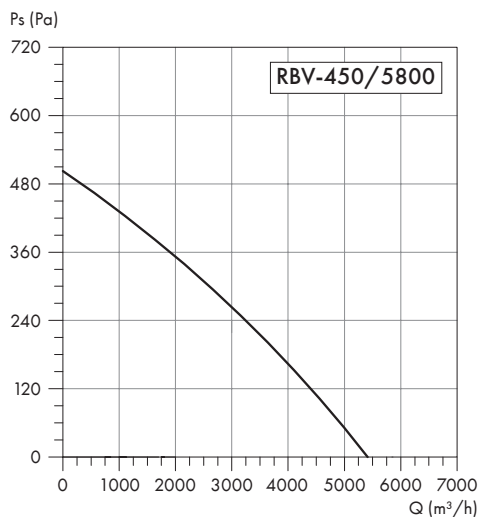


Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	67	54	56	60	62	61	58	53	46	dB(A)
L_{wA} Emitted	69	56	58	62	64	63	60	55	48	dB(A)

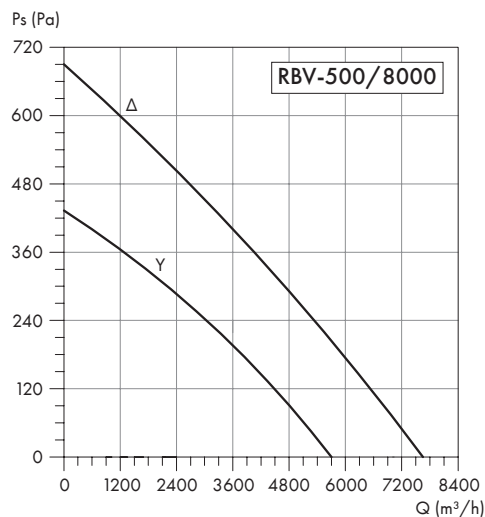


Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	71	39	58	66	61	67	54	50	47	dB(A)
L_{wA} Emitted	70	43	63	62	66	64	57	52	48	dB(A)

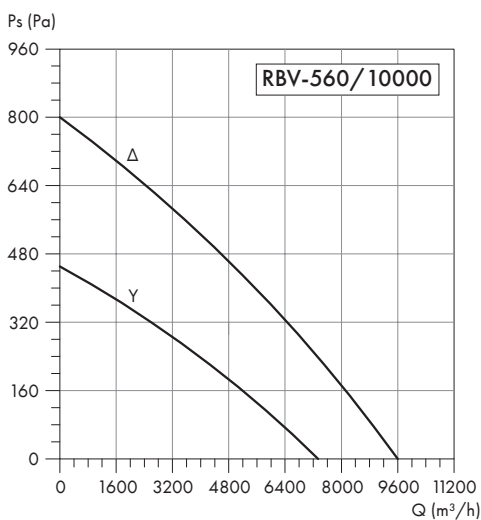
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Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	68	51	56	63	62	59	57	52	53	dB(A)
L_{wA} Emitted	73	43	62	64	68	67	62	57	55	dB(A)



Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	73	46	60	70	68	64	61	56	54	dB(A)
L_{wA} Emitted	75	44	62	66	71	68	66	59	55	dB(A)



Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	81	54	70	74	76	75	71	66	59	dB(A)
L_{wA} Emitted	83	54	71	75	77	78	74	68	61	dB(A)