

Roof fans RBH



Lacquered
cover



Exhaust
fan



Horizontal
position

Design

Roof fan, radial, with horizontal air exhaust. Cover made of steel sheet, powder coated in colour RAL 7030. Rotor with backward curved impeller, made of galvanised sheet, dynamically balanced.

Usage

The quiet and reliable operation of the fan makes it ideal for extraction installations both from residential and commercial buildings, such as apartments, offices, shops, warehouses.

Electric motor

Motor with rotating stator, 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

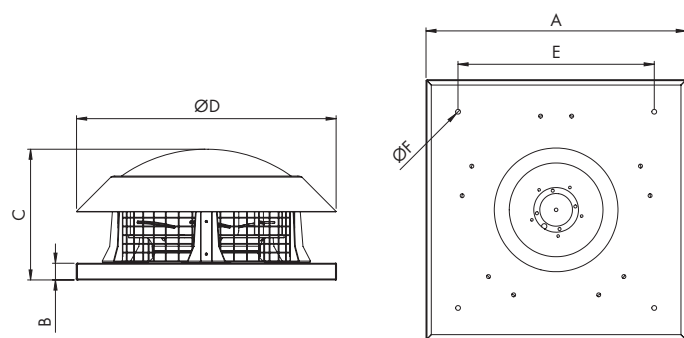
The fan is designed to transmit air with a temperature not exceeding 50°C.

Technical specifications

Model	Air flow [m ³ /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
RBH-160/240 M	346	2600	60	0,3	230	50	2,0	44-36	4,0	1,0	1,5	-	ILB 160
RBH-180/380 M	460	2500	70	0,35	230	50	2,5	49-41	4,5	1,0	1,5	-	ILB 160
RBH-225/850 M	902	2750	80	0,4	230	50	3,0	50-42	7,0	1,0	1,5	-	ILB 200
RBH-250/1300 M	1212	2800	125	0,61	230	50	6,0	52-44	8,0	1,0	1,5	-	ILB 250
RBH-315/1650 M	2000	1450	130	0,8	230	50	6,0	47-39	10,0	1,0	1,5	-	ILB 315
RBH-355/2750 M	2900	1400	200	1,05	230	50	6,0	46-38	16,0	2,5	1,5	-	ILB 315
RBH-400/3600 M	4100	1380	310	1,56	230	50	10	51-43	29,0	2,5	3,0	-	ILB 400
RBH-450/5800 M	5400	1370	430	2,2	230	50	10	52-44	37,0	4,0	4,0	-	ILB 450
RBH-500/8000 T	7600/6150	1360/1100	840/580	1,95/1,12	400 Δ/Y	50	-	54-46	51,0	-	-	Yes	ILB 500
RBH-560/10000 T	9800/7150	1300/950	1440/840	2,8/1,6	400 Δ/Y	50	-	66-58	62,0	-	-	Yes	ILB 560

Sound pressure level measured outdoor at 4 and 10 m.

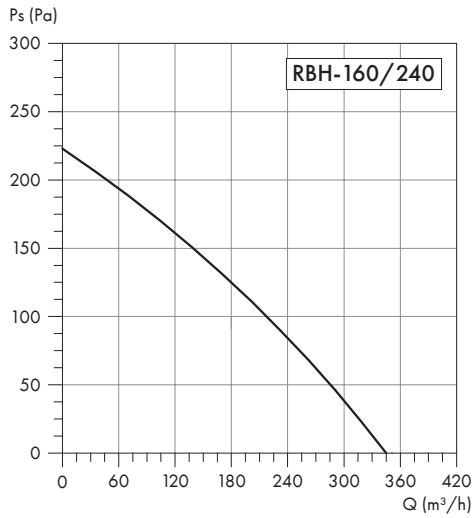
Technical drawing



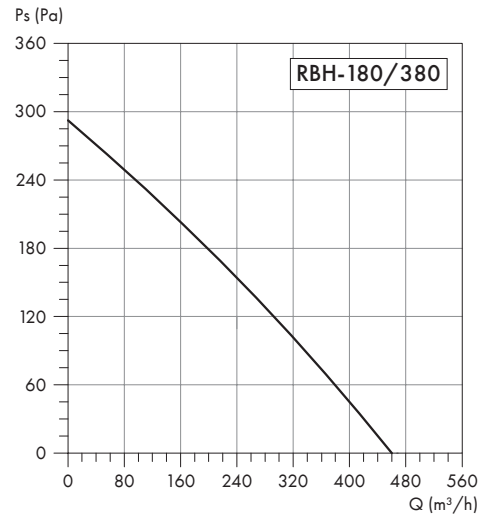
Dimensions [mm]

Model	A	ØD	C	B	E	F
RBH-160/240 M	252	260	140	25	210	6
RBH-180/380 M	252	260	140	25	210	6
RBH-225/850 M	336	386	212	35	274	11
RBH-250/1300 M	370	386	225	35	290	11
RBH-315/1650 M	454	443	293	40	333	11
RBH-355/2750 M	595	595	285	40	450	11
RBH-400/3600 M	595	685	355	40	450	12
RBH-450/5800 M	664	685	400	40	450	12
RBH-500/8000 T	798	824	385	40	600	12
RBH-560/10000 T	798	824	400	40	600	12

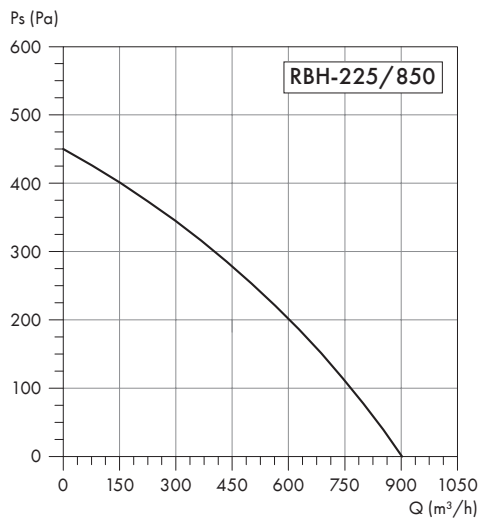
Characteristics



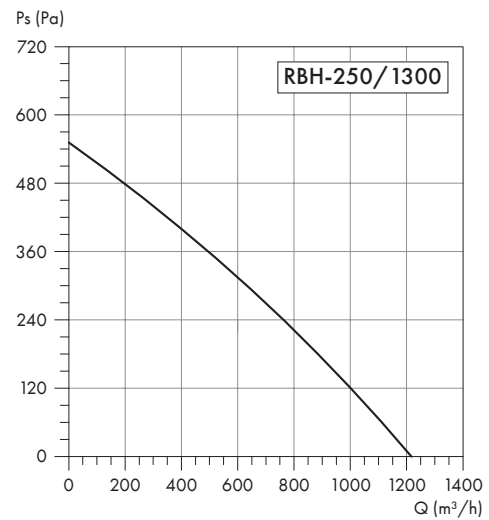
Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wa} Inlet	66	37	55	59	61	60	57	52	45	dB(A)
L_{wa} Emitted	67	38	56	60	62	61	58	53	46	dB(A)



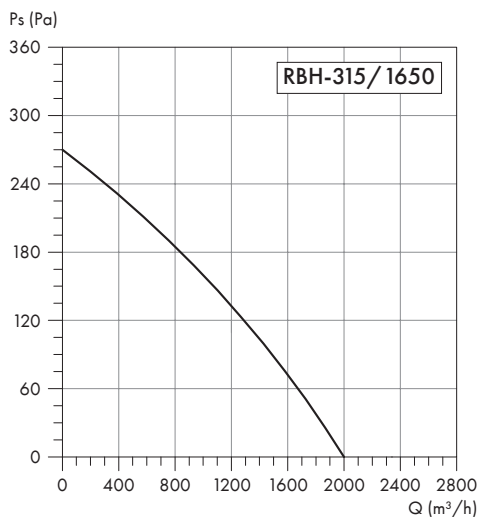
Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wa} Inlet	70	41	59	63	65	64	61	56	49	dB(A)
L_{wa} Emitted	71	42	60	64	66	65	62	57	50	dB(A)



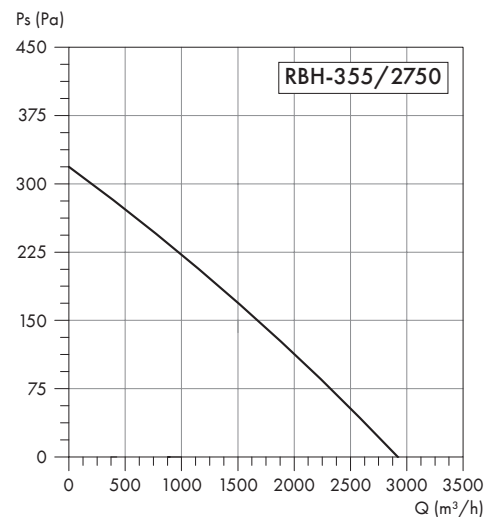
Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wa} Inlet	72	43	61	65	67	66	63	58	51	dB(A)
L_{wa} Emitted	73	44	60	66	68	67	64	59	52	dB(A)



Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wa} Inlet	74	45	63	67	69	68	65	60	53	dB(A)
L_{wa} Emitted	75	46	62	68	70	69	66	61	54	dB(A)

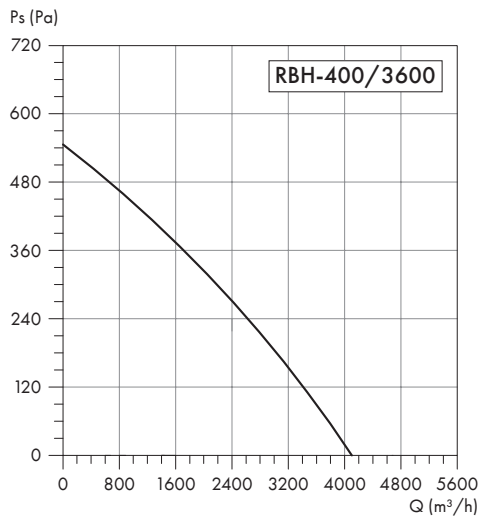


Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wa} Inlet	68	55	57	61	63	62	59	54	47	dB(A)
L_{wa} Emitted	70	57	59	63	65	64	61	56	49	dB(A)

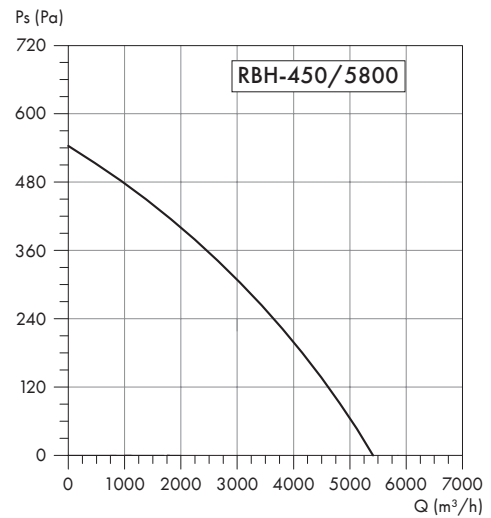


Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wa} Inlet	67	54	56	60	62	61	58	53	46	dB(A)
L_{wa} Emitted	69	56	58	62	64	63	60	55	48	dB(A)

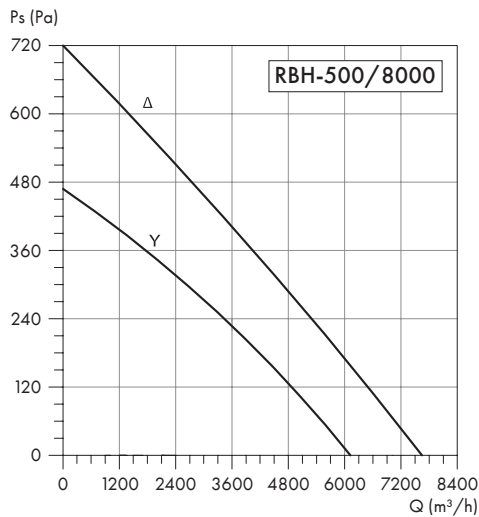
Characteristics



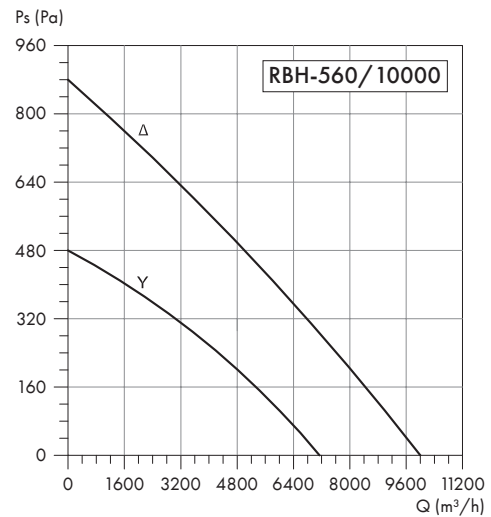
Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	75	43	62	70	65	71	58	54	51	dB(A)
L _{WA} Emitted	74	47	67	66	70	68	61	56	52	dB(A)



Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	70	43	58	65	64	61	59	54	55	dB(A)
L _{WA} Emitted	75	45	64	66	70	69	64	59	57	dB(A)



Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	75	48	62	72	70	66	63	58	56	dB(A)
L _{WA} Emitted	77	46	64	68	73	70	68	61	57	dB(A)



Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L _{WA} Inlet	85	58	74	78	80	79	75	70	63	dB(A)
L _{WA} Emitted	87	58	75	79	81	82	78	72	65	dB(A)

Accessories



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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
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HRB
Transformer speed controller
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Pressure switch
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