Duct fans
ICB

A wide range

IP 44 protection class

Perfectly balanced rotor

Design

Duct fan, radial. The housing is made of steel sheet, powder coated in colour RAL 7030. The rotor is made of galvanised sheet with backward curved impeller, dynamically balanced. The junction box is attached directly to the case.

Electric motor

Motor with rotating stator, powered by single phase current 230V, 50Hz. Suitable for voltage regulation. Protection class IP 44, insulation class B or F.

Usage

The fan is designed to transport clean air. It is perfect for any supply installation, as well as for exhaust installations in apartments, offices, shops, hospitals, as well as industrial installations.

Operating temperature

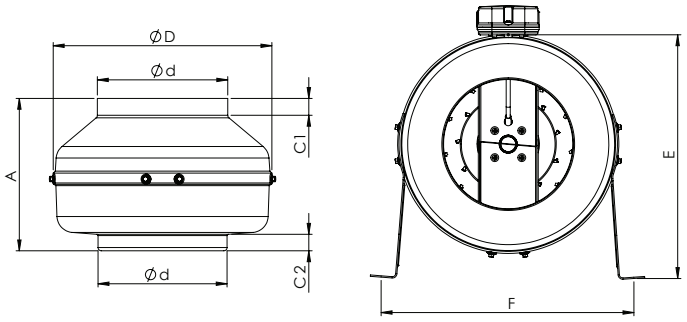
The fan is designed to transmit air with a temperature not exceeding 55°C.

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
ICB-100/250 M	240	2610	60	0,3	230	50	2,0	44	2,6	1,0	1,5
ICB-125/350 M	315	2325	80	0,4	230	50	2,5	43	2,7	1,0	1,5
ICB-150/450 M	420	2450	78	0,4	230	50	2,5	46	3,0	1,0	1,5
ICB-160/400 M	440	2550	85	0,4	230	50	2,5	45	3,2	1,0	1,5
ICB-200/850 M	735	2300	90	0,43	230	50	2,5	46	4,4	1,0	1,5
ICB-200/1000 M	870	2530	100	0,51	230	50	4,0	48	4,8	1,0	1,5
ICB-250/1100 M	1010	2400	140	0,69	230	50	4,0	45	4,9	1,0	1,5
ICB-250/1250 M	1150	2650	145	0,74	230	50	6,0	47	5,3	1,0	1,5
ICB-315/1600 M	1450	2400	160	0,8	230	50	6,0	48	6,8	2,5	1,5
ICB-315/1900 M	1750	2500	180	0,87	230	50	7,0	49	6,9	2,5	1,5
ICB-355/1450 M	1300	1450	160	1,0	230	50	4,0	45	9,0	2,5	1,5

Sound pressure level measured at 3m.

Technical drawing



Dimensions [mm]

Model	ØD	Ød	C1	C2	A	E	F
ICB-100	245	97	20	20	197	273	268
ICB-125	245	122	20	20	188	273	268
ICB-150	272	147	23	25	192	286	295
ICB-160	272	157	23	25	192	286	295
ICB-200	330	196	30	28	230	380	352
ICB-250	330	247	30	28	227	380	352
ICB-315	400	313	30	30	285	415	422
ICB-355	400	352	30	30	378	415	422

Accessories

HRX
Electronic speed controller
page 174

FKOV
Filter G3 for round ducts
page 83

AKUFLEX
Flexible acoustic silencer
page 71

RSKV
Backdraft damper
page 41

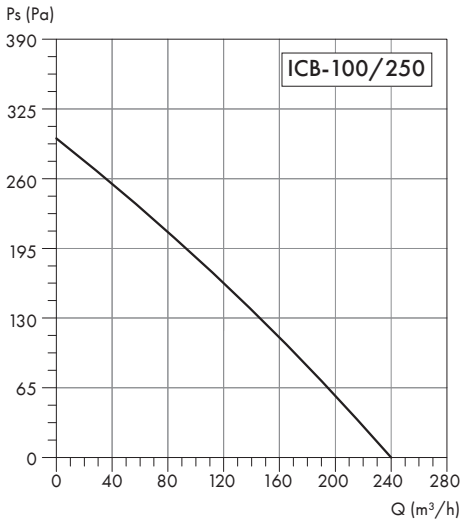
HRB
Transformer speed controller
page 176

WSH
Service switch
page 177

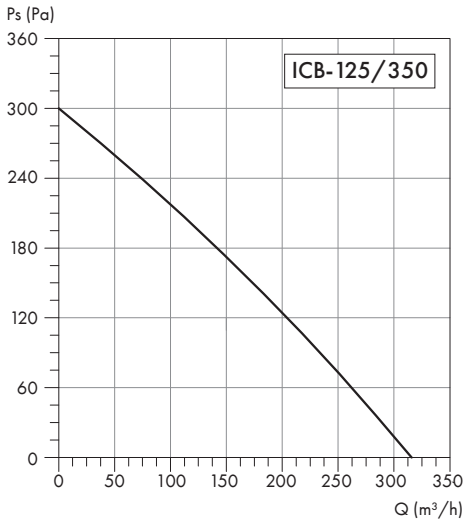
PCC
Fastening clamp
page 81

PSH
Pressure switch
page 173

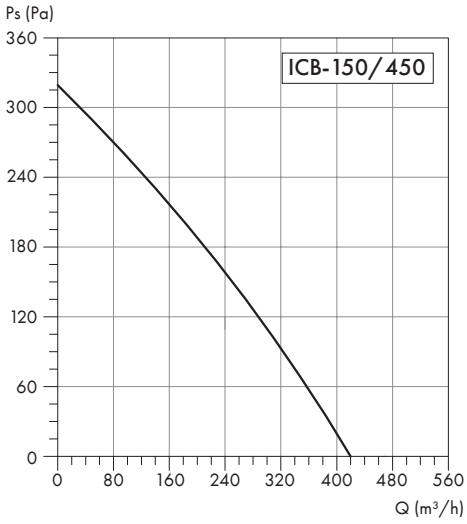
Characteristics



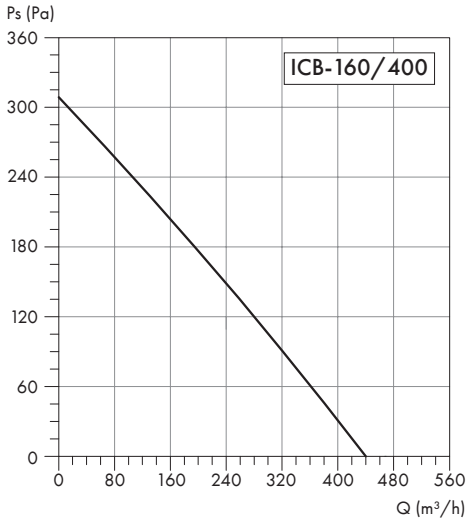
Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	71	53	65	62	65	64	60	52	42	dB(A)
L_{wA} Outlet	68	54	64	58	62	61	58	50	40	dB(A)
L_{wA} Emited	51	29	17	30	47	46	45	39	27	dB(A)



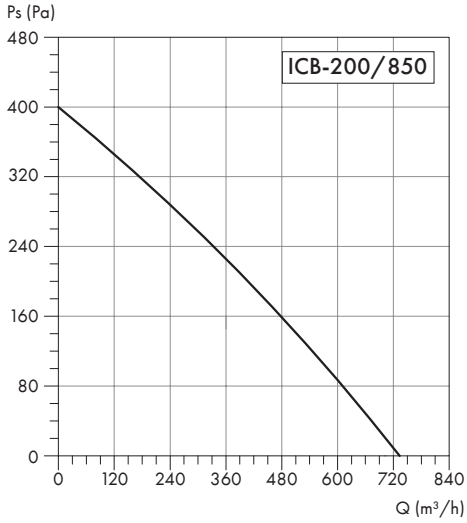
Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	47	63	64	65	63	60	55	45	dB(A)
L_{wA} Outlet	68	49	62	59	62	61	58	52	43	dB(A)
L_{wA} Emited	50	20	20	39	45	44	43	36	30	dB(A)



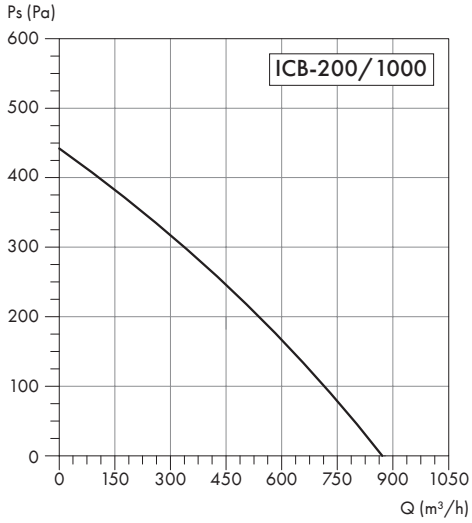
Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	76	52	73	65	69	67	62	60	50	dB(A)
L_{wA} Outlet	74	55	71	62	68	64	62	55	50	dB(A)
L_{wA} Emited	53	20	35	37	50	45	46	44	32	dB(A)



Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	75	50	70	66	71	68	45	58	48	dB(A)
L_{wA} Outlet	76	56	74	61	69	66	62	56	48	dB(A)
L_{wA} Emited	52	10	32	36	48	46	45	42	28	dB(A)

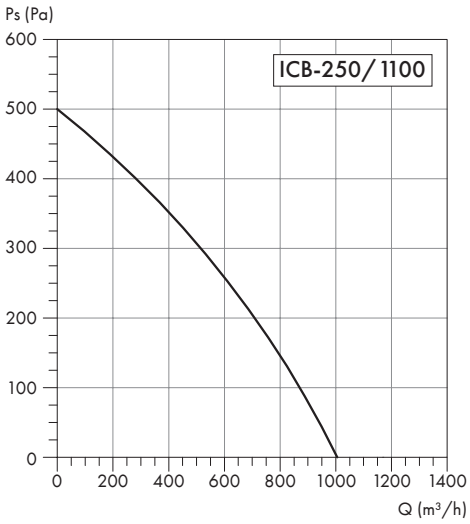


Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	42	61	64	63	64	63	56	54	dB(A)
L_{wA} Outlet	71	49	59	62	65	64	64	58	53	dB(A)
L_{wA} Emited	53	8	25	32	45	49	47	42	38	dB(A)

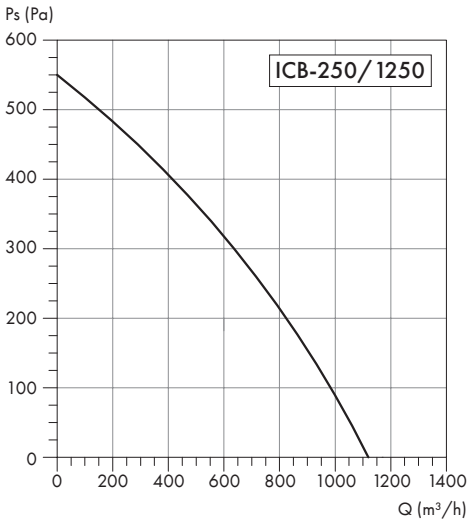


Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	71	42	61	64	64	64	63	56	54	dB(A)
L_{wA} Outlet	72	49	60	63	66	64	66	58	53	dB(A)
L_{wA} Emited	54	8	35	40	47	50	47	45	40	dB(A)

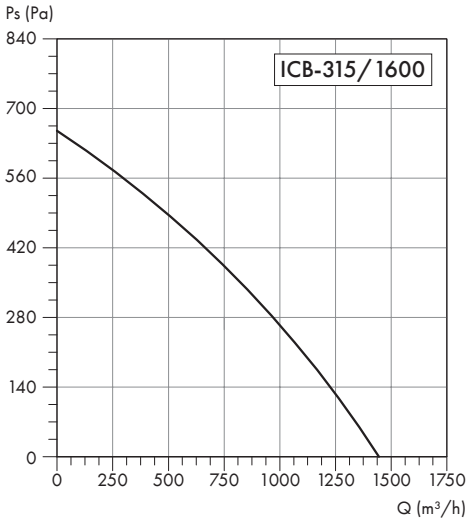
Characteristics



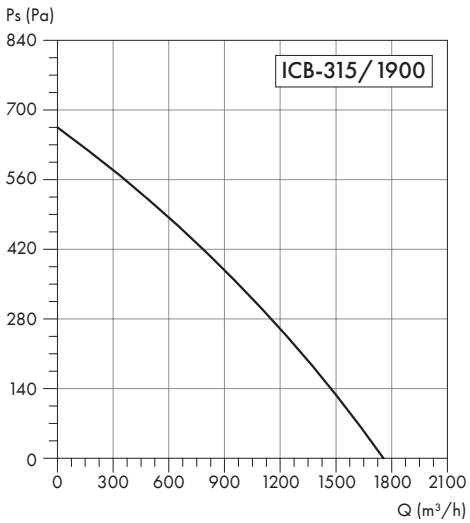
Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	49	59	65	61	64	61	60	50	dB(A)
L_{wA} Outlet	71	48	60	65	61	65	63	61	51	dB(A)
L_{wA} Emited	52	27	28	46	45	47	45	42	30	dB(A)



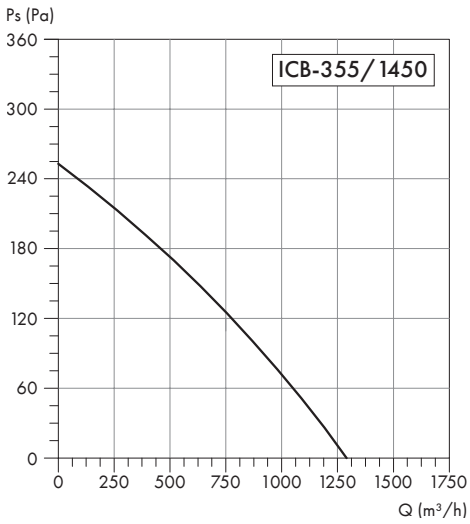
Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	49	59	65	62	65	61	60	50	dB(A)
L_{wA} Outlet	71	48	60	65	61	65	63	61	51	dB(A)
L_{wA} Emited	54	28	29	47	47	49	45	43	30	dB(A)



Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	72	46	60	65	64	66	63	64	53	dB(A)
L_{wA} Outlet	73	52	60	64	63	66	67	65	55	dB(A)
L_{wA} Emited	54	18	25	43	47	47	50	46	34	dB(A)



Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	75	55	66	68	70	68	66	63	58	dB(A)
L_{wA} Outlet	76	62	67	71	69	68	69	63	57	dB(A)
L_{wA} Emited	56	22	35	45	51	47	50	46	45	dB(A)



Frequency	Total	63	125	250	500	1000	2000	4000	8000	Hz
L_{wA} Inlet	70	49	59	65	61	64	61	60	50	dB(A)
L_{wA} Outlet	71	48	60	65	61	65	63	61	51	dB(A)
L_{wA} Emited	52	27	28	46	45	47	45	42	30	dB(A)

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