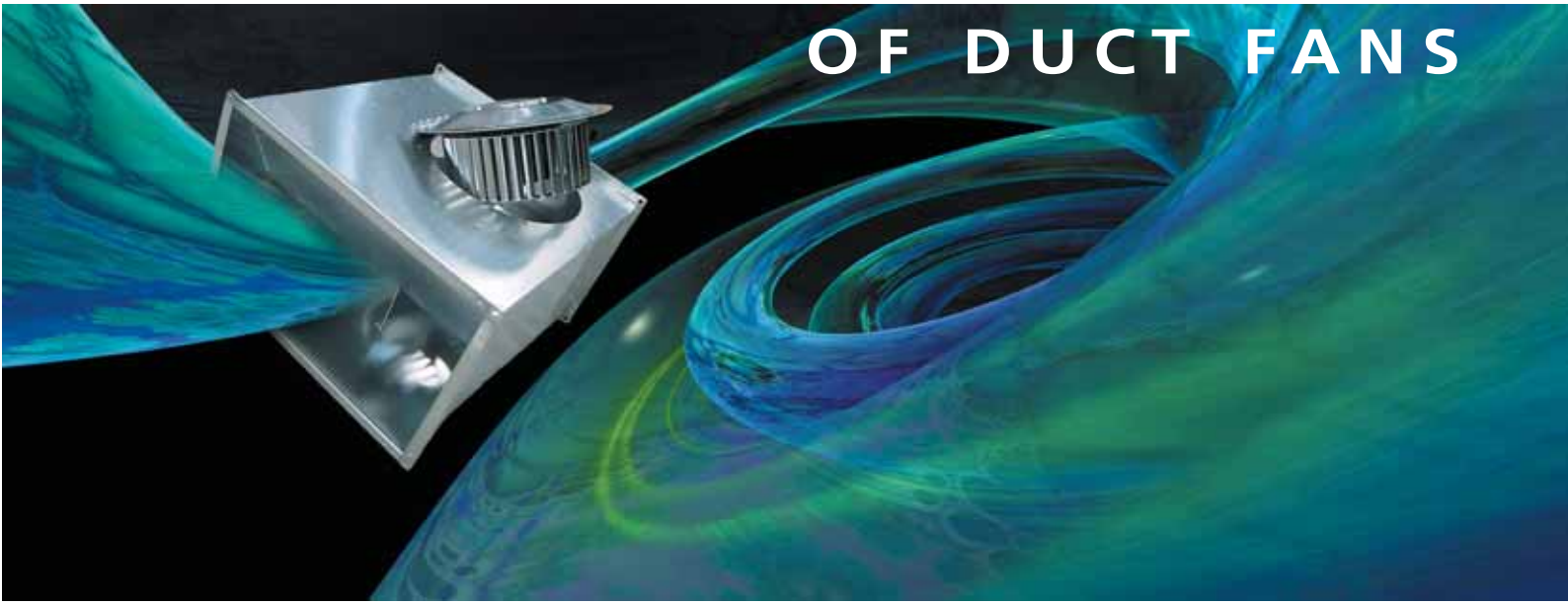
ÖSTBERG
HEALTHY INDOOR CLIMATE
WITH ENERGY EFFICIENT VENTILATION

RK/RKB

Rectangular duct fans

2

A NEW GENERATION OF DUCT FANS



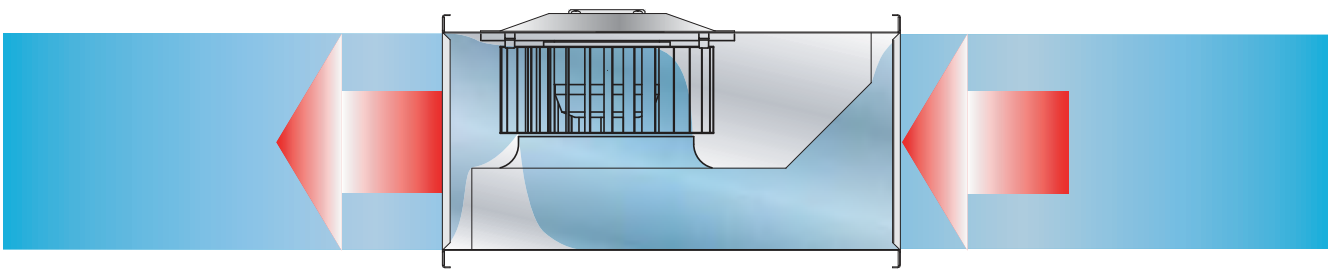
Another revolutionary invention

As a follow-on from the in-line circular duct fan, Hans Östberg invented in the middle of the 70's the rectangular in-line duct fan, using an in external rotor motor but having a straight-through airflow (registered design no. 32838).

Thanks to the 90° angle of the airflow on the inlet side, the casing height is only a couple of centimetres more than the duct dimensions.

All rectangular in-line duct fans from AB C.A. Östberg have swing-out motor and impeller assemblies for ease of maintenance and cleaning.

We at AB C.A. Östberg are committed to giving everyone the opportunity of a better indoor climate. Our products do this by extracting the stale air and replacing it with clean air.



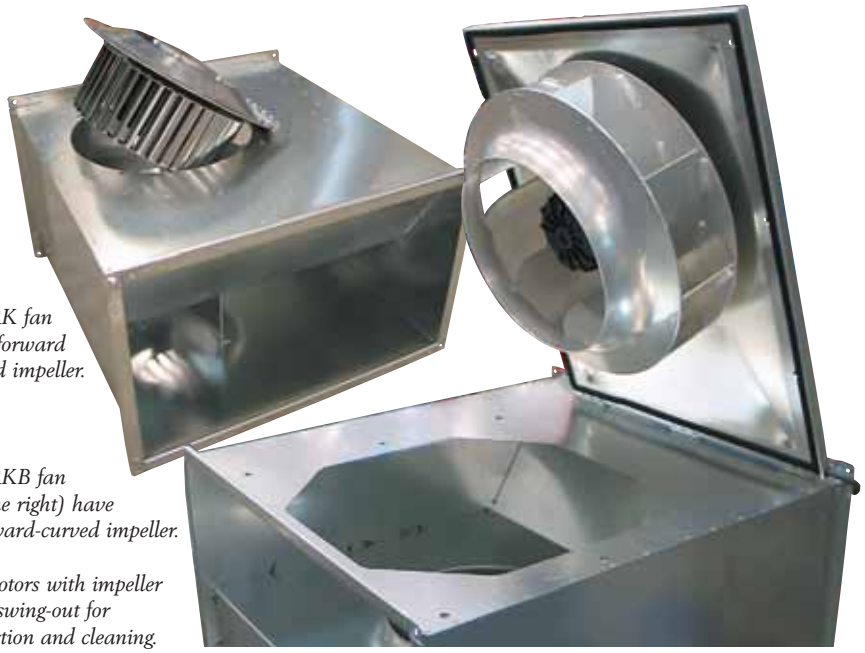
RK/RKB Rectangular in-line duct fans

RK and RKB are in-line centrifugal duct fans with flanges for connection to rectangular ducting. The fans have a sturdy casing of galvanized sheet steel. They are compact, have a high capacity, possess low sound levels and can be installed in any position.

The RK fan has a forward curved impeller and is available in 24 different versions. The RKB fan has a backward curved impeller and 27 versions are available.

These fans are designed to cope with high pressures and overcome long ducts and to give low sound levels. The motors are high quality external rotor motors, suitable for stepless speed variation and are virtually maintenance free. The only service task required is cleaning the impeller.

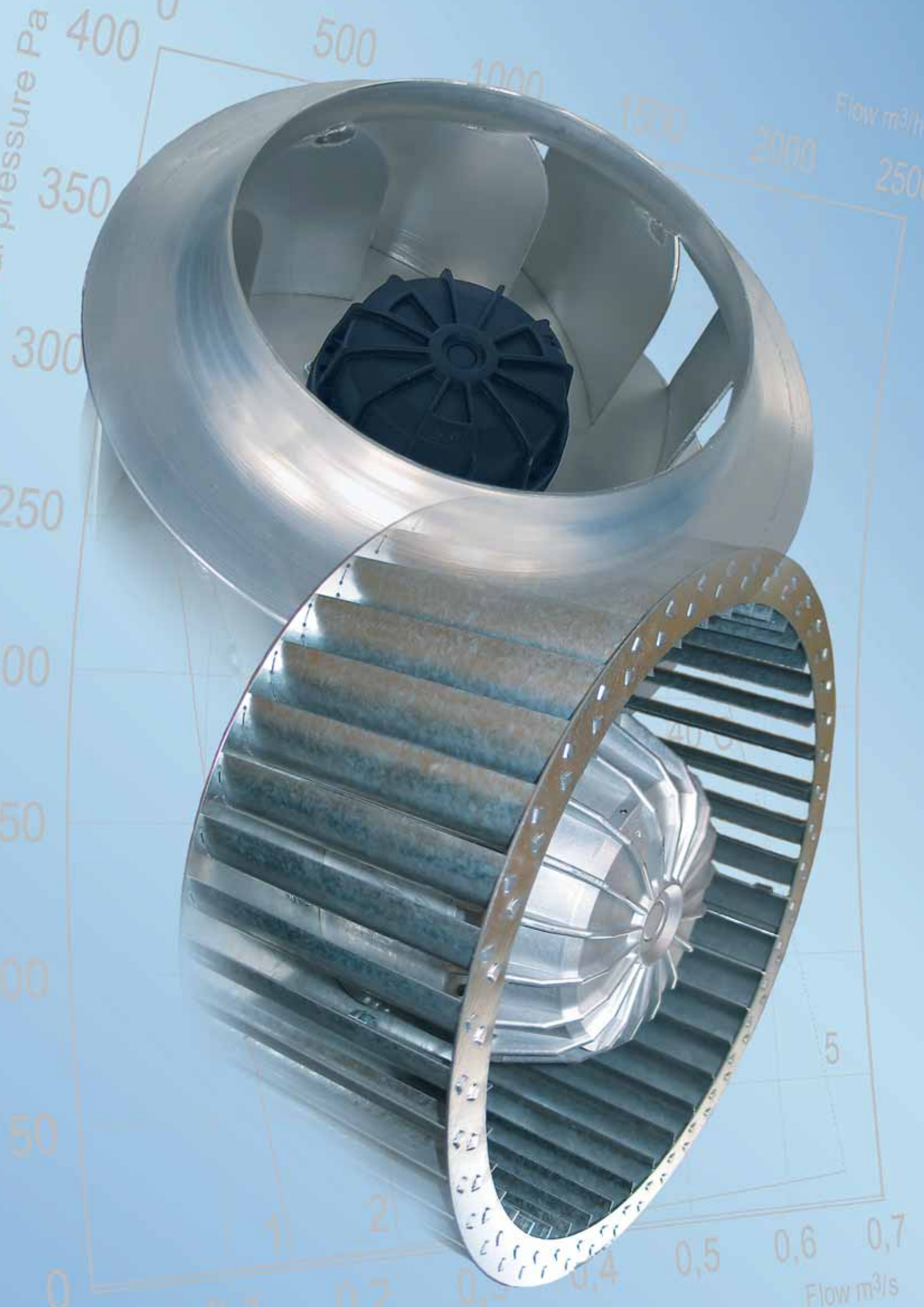
The impeller and motor assembly can be swung out for easy cleaning and safe inspections. All fans are supplied fully wired to an external terminal box. They are moisture proof and can be used for outdoor applications. All fans have built-in thermal protection.

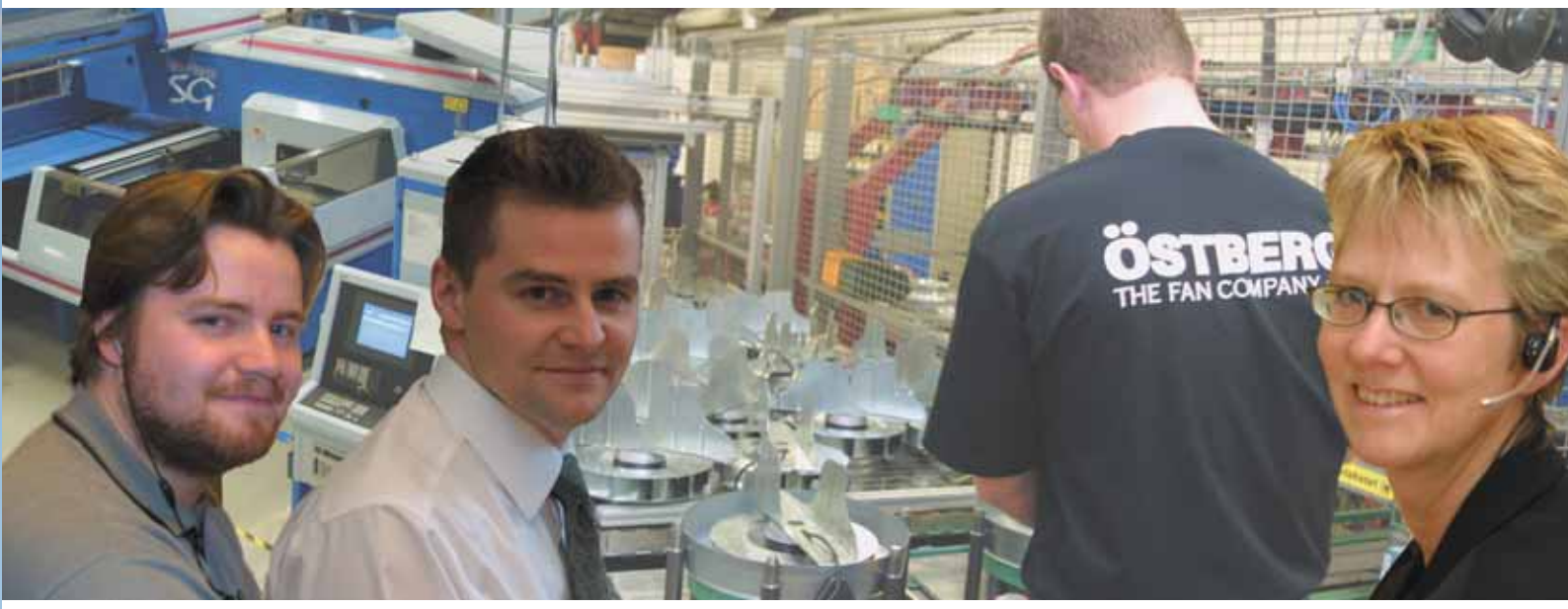


The RK fan have forward curved impeller.

The RKB fan (on the right) have backward-curved impeller.

All motors with impeller have swing-out for inspection and cleaning.


400
500
350
300
250
0,5
0,6
0,7
Flow m3/s



How to choose the right fan

Our staff has the knowledge and the experience to help our customers to select the right fan for the right application.

When choosing a fan there are many aspects to consider and some basic knowledge of ventilation systems is required. A ventilation system can consist of a fan with or without ductwork attached. If the system has ductwork it often also has filters, silencers, dampers, grilles etc. All of these components contribute to the performance of the system regarding sound level, pressure drop and airflow.

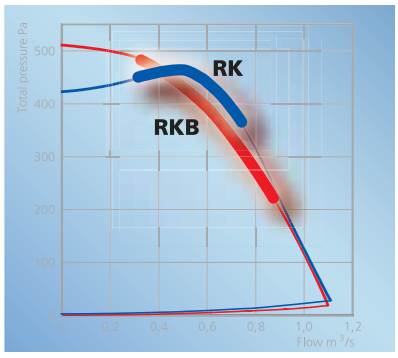
You have to know the air volume and the pressure, where the fan can be installed and then choose the fan type, also considering efficiency, sound level and price.

RK OR RKB

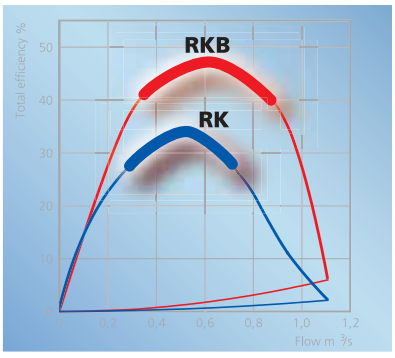
RK with its forward curved impeller is very compact and very competitive at the best working area i.e. high pressure.

RKB with its backward curved impeller has a very good efficiency over a wide working area. But the RKB has a slightly larger casing. Due to larger impeller blades it is very easy to clean and is very competitively priced.

TOTAL PRESSURE



TOTAL EFFICIENCY



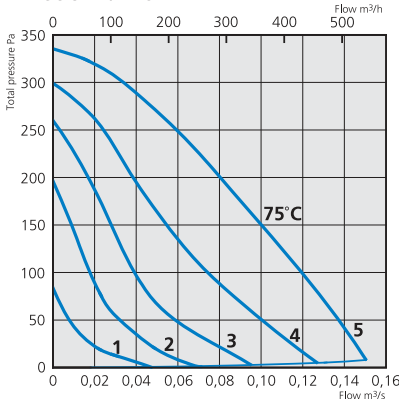
When comparing RK and RKB at corresponding flow and pressure, the diagrams shown that RK has a higher pressure and RKB gives a better efficiensy

RKB 300 x 150 C1
RKB 400 x 200 A1

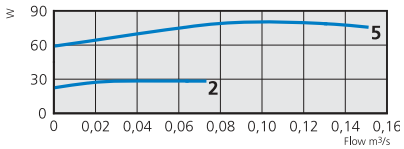
With backward curved impeller and swing-out design

RKB 300 x 150 C1

PRESSURE/FLOW



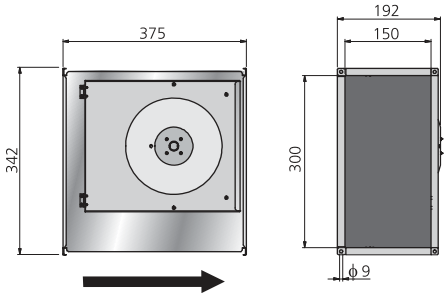
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	0.35
Input, W	65
Speed, rpm	2465
Weight, kg	6
Wiring diagram	4040001
Capacitor, µF	2
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

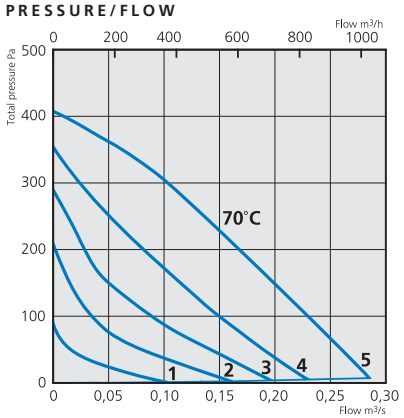


SOUND DATA

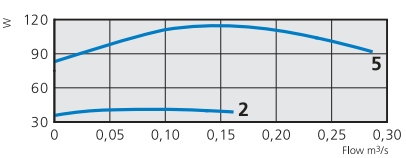
75 l/s 230 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	50	57	31	36	52	56	47	44	38	34
5. Inlet 230 V		71	49	56	65	69	59	55	50	45
4. Inlet 165 V		67	47	55	62	65	53	47	46	40
3. Inlet 135 V		61	41	50	57	59	47	39	38	29
2. Inlet 110 V		52	35	45	49	49	36	28	24	13
1. Inlet 80 V		42	28	38	39	37	23	14	9	7
Outlet 230 V		72	53	55	65	68	66	61	56	47

RKB 400 x 200 A1

PRESSURE/FLOW



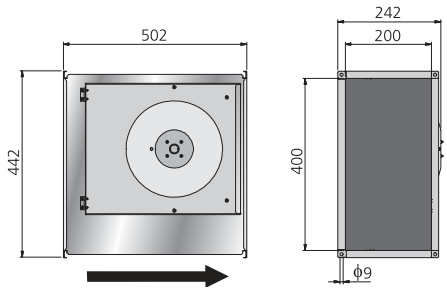
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	0.46
Input, W	113
Speed, rpm	2530
Weight, kg	9
Wiring diagram	4040001
Capacitor, µF	3
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

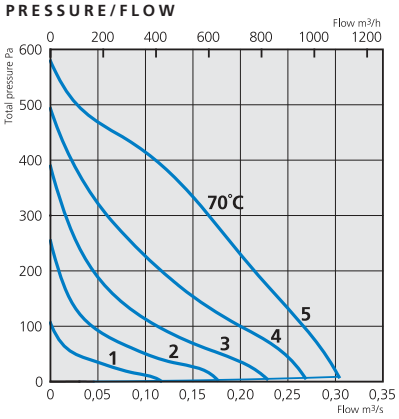
130 l/s 230 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	53	60	28	42	54	58	53	52	46	32
5. Inlet 230 V		72	50	60	68	68	65	60	60	49
4. Inlet 165 V		69	50	59	65	64	59	56	54	42
3. Inlet 135 V		63	46	55	59	57	53	50	46	33
2. Inlet 110 V		57	42	52	53	50	45	39	34	21
1. Inlet 80 V		47	37	43	43	41	33	25	18	13
Outlet 230 V		75	53	61	70	71	66	69	65	53

RKB 400 x 200 B1
RKB 400 x 200 E1

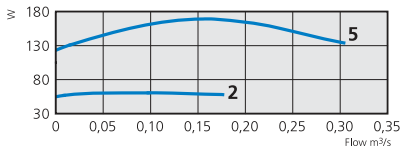
With backward curved impeller and swing-out design

RKB 400 x 200 B1

PRESSURE/FLOW



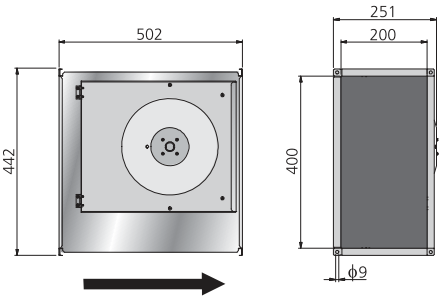
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	0.72
Input, W	164
Speed, rpm	2500
Weight, kg	10
Wiring diagram	4040001
Capacitor, µF	4
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

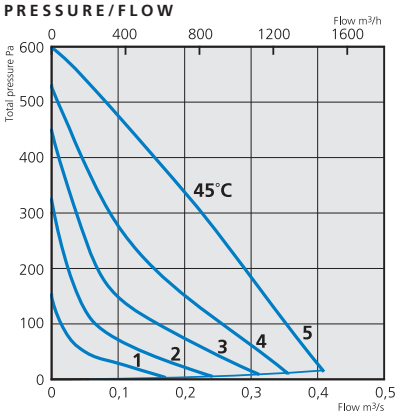


SOUND DATA

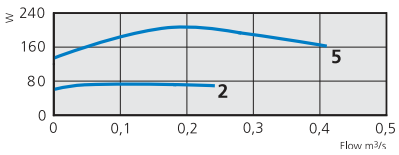
160 l/s 365 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	57	64	33	41	57	61	56	56	48	41
5. Inlet 230 V		75	58	62	70	69	66	67	67	61
4. Inlet 165 V		69	53	57	65	62	59	60	60	53
3. Inlet 135 V		64	48	54	61	56	52	54	52	44
2. Inlet 110 V		59	43	54	54	50	46	47	44	35
1. Inlet 80 V		55	38	54	45	41	36	37	32	20
Outlet 230 V		80	59	66	71	75	71	73	70	66

RKB 400 x 200 E1

PRESSURE/FLOW



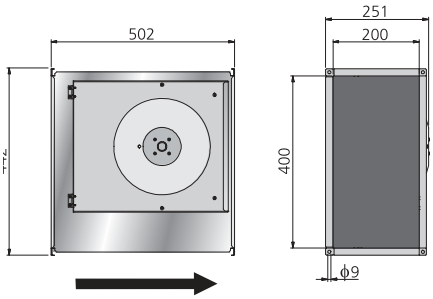
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	0.91
Input, W	207
Speed, rpm	2400
Weight, kg	11
Wiring diagram	4040001
Capacitor, µF	5
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

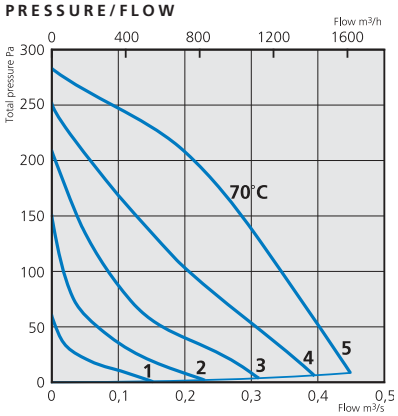
160 l/s 365 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	56	63	35	48	54	61	56	52	47	40
5. Inlet 230 V		75	56	66	69	71	67	65	66	62
4. Inlet 165 V		69	53	61	64	65	60	57	57	51
3. Inlet 135 V		64	48	56	62	58	54	51	50	42
2. Inlet 110 V		59	43	52	57	52	48	44	42	33
1. Inlet 80 V		51	36	49	46	42	38	32	28	22
Outlet 230 V		78	59	65	69	74	70	69	67	62

RKB 500 x 250 A1
RKB 500 x 250 C1

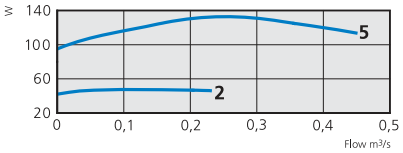
With backward curved impeller and swing-out design

RKB 500 x 250 A1

PRESSURE/FLOW



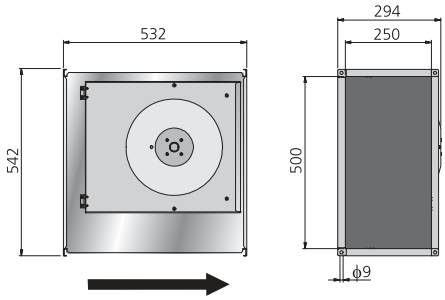
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	0.59
Input, W	133
Speed, rpm	1270
Weight, kg	10
Wiring diagram	4040001
Capacitor, µF	5
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

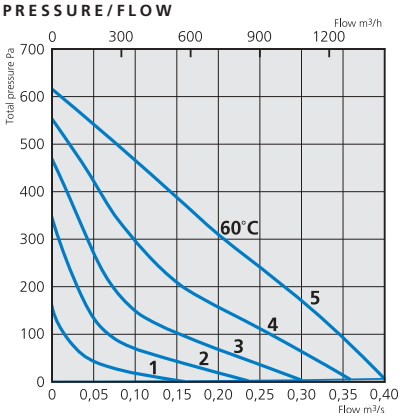


SOUND DATA

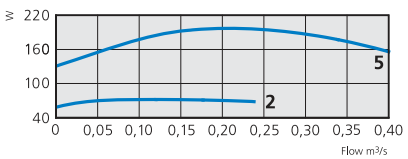
195 l/s 205 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	48	55	35	51	48	47	49	44	36	29
5. Inlet 230 V		67	56	62	63	58	53	55	50	41
4. Inlet 165 V		66	62	61	59	56	49	50	44	33
3. Inlet 135 V		58	53	55	53	47	41	41	34	22
2. Inlet 110 V		54	48	52	46	40	33	32	23	17
1. Inlet 80 V		51	34	51	38	31	27	22	17	13
Outlet 230 V		70	58	63	63	62	61	63	57	48

RKB 500 x 250 C1

PRESSURE/FLOW



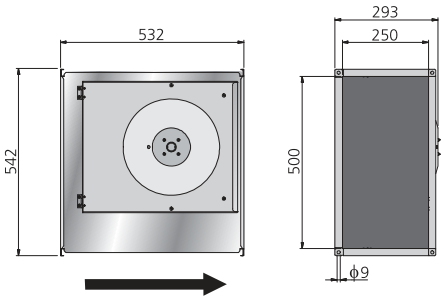
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	0.86
Input, W	196
Speed, rpm	2460
Weight, kg	15
Wiring diagram	4040001
Capacitor, µF	5
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

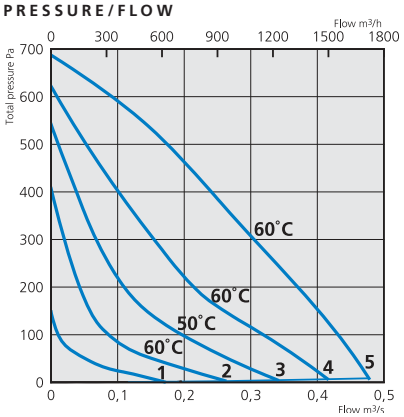
205 l/s 295 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	52	59	34	44	51	56	52	51	47	39
5. Inlet 230 V		71	57	61	65	63	63	65	62	58
4. Inlet 165 V		68	53	58	62	62	59	60	57	54
3. Inlet 135 V		65	49	60	62	53	53	54	53	44
2. Inlet 110 V		58	44	52	56	44	46	46	44	31
1. Inlet 80 V		48	40	46	42	35	36	32	25	21
Outlet 230 V		77	57	59	65	74	68	71	66	61

RKB 500 x 250 E1
RKB 500 x 250 G1

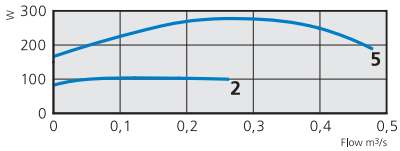
With backward curved impeller and swing-out design

RKB 500 x 250 E1

PRESSURE/FLOW



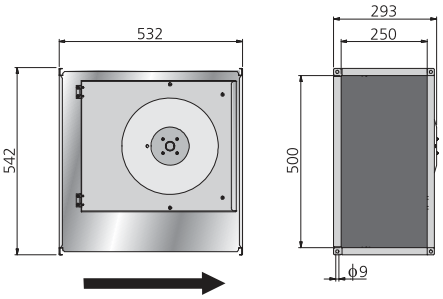
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	1.21
Input, W	277
Speed, rpm	2455
Weight, kg	15
Wiring diagram	4040001
Capacitor, µF	8
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

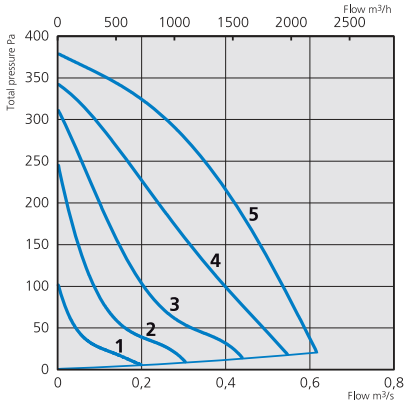


SOUND DATA

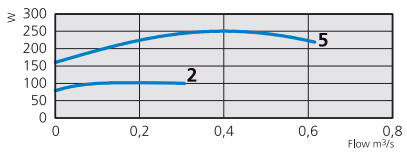
255 l/s 370 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	58	65	41	54	60	62	57	54	49	41
5. Inlet 230 V		77	58	71	75	67	67	67	66	61
4. Inlet 165 V		70	55	66	66	59	58	58	56	50
3. Inlet 135 V		67	57	65	60	52	51	52	49	42
2. Inlet 110 V		64	55	63	54	46	44	45	41	33
1. Inlet 80 V		59	48	59	46	38	36	35	30	25
Outlet 230 V		81	57	70	75	77	72	73	70	65

RKB 500 x 250 G1

PRESSURE/FLOW



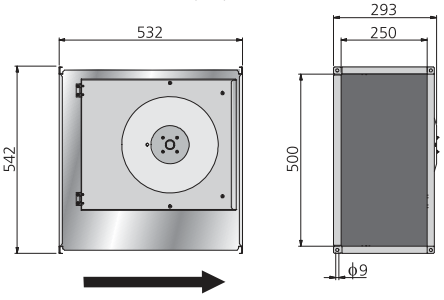
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	1.10
Input, W	250
Speed, rpm	1330
Weight, kg	16
Wiring diagram	4040005
Capacitor, µF	6
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

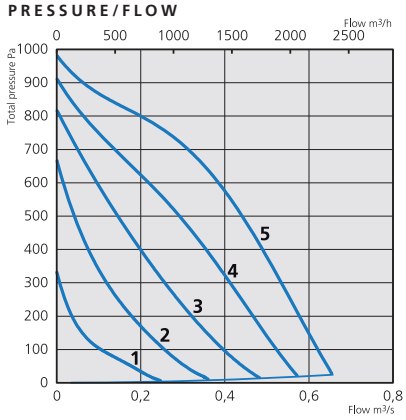
470 l/s 150 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	56	63	46	49	59	57	56	51	45	34
5. Inlet 230 V		72	58	64	69	63	63	60	58	47
4. Inlet 165 V		66	52	60	61	57	56	55	49	38
3. Inlet 135 V		59	47	53	53	50	49	47	37	31
2. Inlet 110 V		53	46	49	46	43	44	35	29	29
1. Inlet 80 V		45	35	43	37	33	30	25	28	29
Outlet 230 V		75	58	66	72	69	69	66	62	50

RKB 500 x 250 H1
RKB 600 x 300 A1

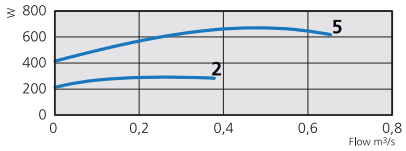
With backward curved impeller and swing-out design

RKB 500 x 250 H1

PRESSURE/FLOW



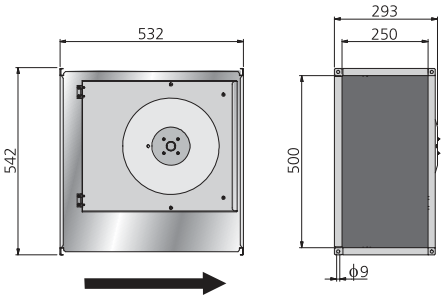
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	3.00
Input, W	670
Speed, rpm	2580
Weight, kg	21
Wiring diagram	4040005
Capacitor, µF	14
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

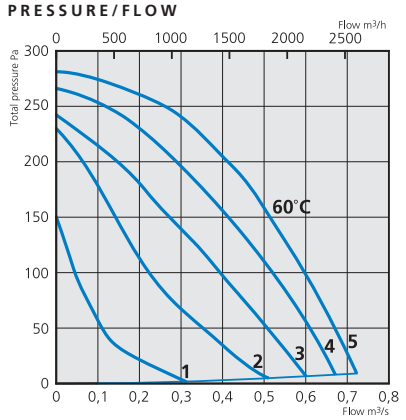


SOUND DATA

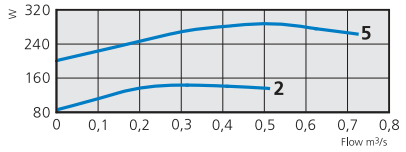
480 l/s 400 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	66	73	53	57	68	66	67	64	58	49
5. Inlet 230 V		79	63	67	76	70	71	69	66	59
4. Inlet 165 V		76	60	64	74	66	67	65	62	55
3. Inlet 135 V		72	55	61	70	61	62	59	55	49
2. Inlet 110 V		66	51	59	64	52	54	50	48	37
1. Inlet 80 V		56	44	54	52	43	43	40	38	29
Outlet 230 V		85	64	70	79	79	77	78	72	63

RKB 600 x 300 A1

PRESSURE/FLOW



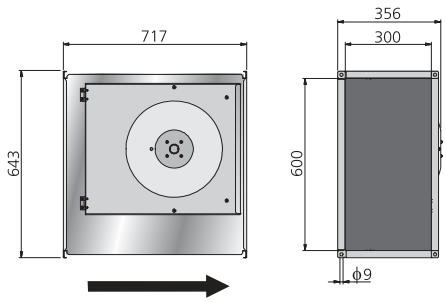
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	1.30
Input, W	287
Speed, rpm	925
Weight, kg	31
Wiring diagram	4040005
Capacitor, µF	8
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

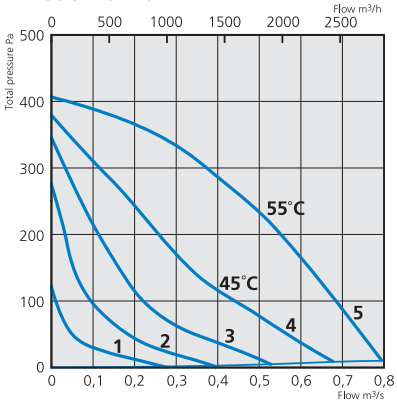
455 l/s 190 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	50	57	38	50	51	50	52	43	35	29
5. Inlet 230 V		68	58	63	63	60	58	57	52	43
4. Inlet 165 V		66	57	61	61	58	56	54	49	40
3. Inlet 135 V		64	56	59	58	56	54	51	46	37
2. Inlet 110 V		58	52	51	52	50	48	44	39	29
1. Inlet 80 V		51	46	45	44	42	39	35	29	24
Outlet 230 V		73	62	64	67	66	67	63	57	48

RKB 600 x 300 B1
RKB 600 x 300 G1

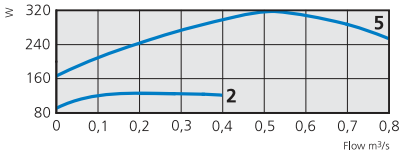
With backward curved impeller and swing-out design

RKB 600 x 300 B1

PRESSURE/FLOW



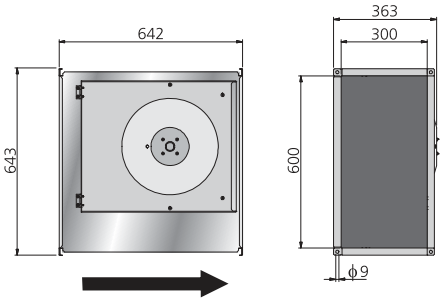
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	1.46
Input, W	318
Speed, rpm	1305
Weight, kg	23
Wiring diagram	4040005
Capacitor, µF	6
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

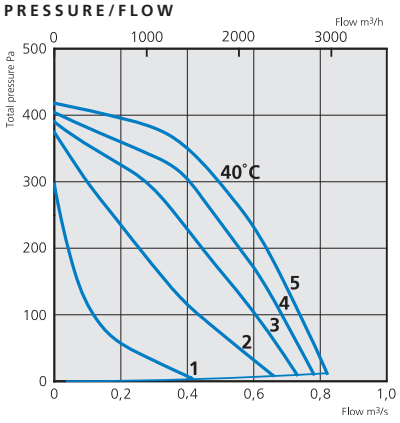


SOUND DATA

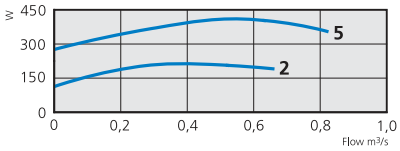
300 l/s 335 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	52	59	45	53	54	53	53	51	46	37
5. Inlet 230 V		72	61	67	69	58	61	60	56	48
4. Inlet 165 V		67	54	62	65	55	55	55	51	40
3. Inlet 135 V		59	49	56	55	46	47	46	39	28
2. Inlet 110 V		52	46	48	47	39	40	37	28	20
1. Inlet 80 V		44	41	40	38	29	28	23	20	16
Outlet 230 V		76	59	65	73	67	69	67	60	52

RKB 600 x 300 G1

PRESSURE/FLOW



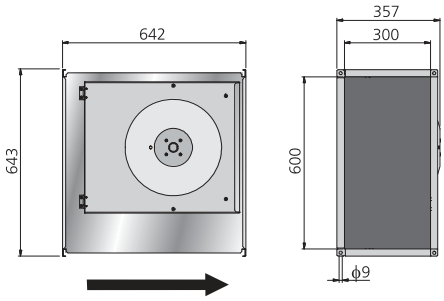
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	2.10
Input, W	409
Speed, rpm	1410
Weight, kg	26
Wiring diagram	4040005
Capacitor, µF	12
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

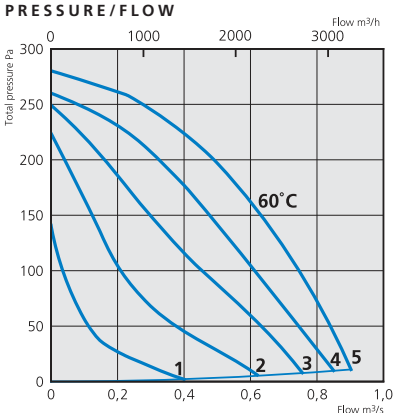
425 l/s 320 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	57	64	40	56	59	59	58	52	42	35
5. Inlet 230 V		77	55	72	75	62	62	64	59	52
4. Inlet 165 V		74	54	64	72	62	62	63	57	50
3. Inlet 135 V		71	55	64	69	60	60	61	55	48
2. Inlet 110 V		66	55	61	63	54	54	55	50	39
1. Inlet 80 V		60	54	55	55	48	49	49	42	33
Outlet 230 V		81	58	76	77	70	70	71	63	56

RKB 600 x 350 A1
RKB 600 x 350 B1

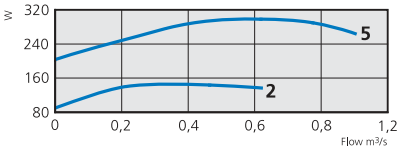
With backward curved impeller and swing-out design

RKB 600 x 350 A1

PRESSURE/FLOW



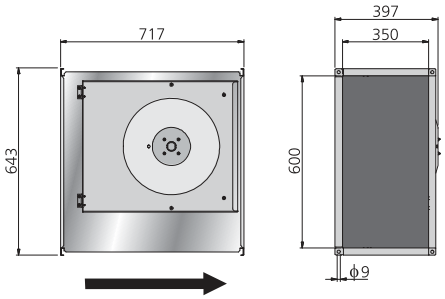
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	1.34
Input, W	298
Speed, rpm	920
Weight, kg	31
Wiring diagram	4040005
Capacitor, µF	8
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

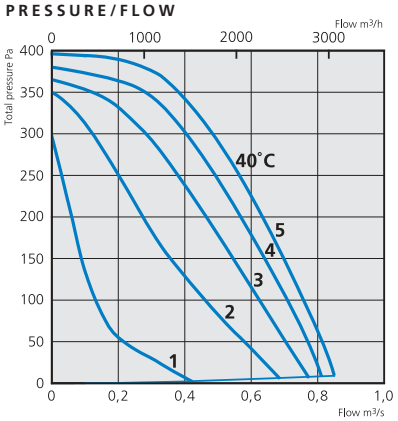


SOUND DATA

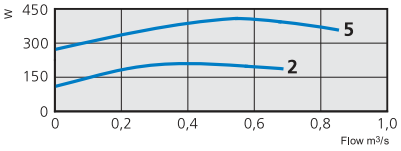
450 l/s 208 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	49	56	38	47	47	51	52	44	35	29
5. Inlet 230 V		68	57	62	64	58	59	58	52	45
4. Inlet 165 V		66	56	60	62	56	56	55	50	42
3. Inlet 135 V		63	55	56	59	53	53	51	46	38
2. Inlet 110 V		57	52	50	53	46	46	43	38	29
1. Inlet 80 V		51	46	45	46	39	38	35	30	24
Outlet 230 V		71	57	64	66	64	66	62	56	49

RKB 600 x 350 B1

PRESSURE/FLOW



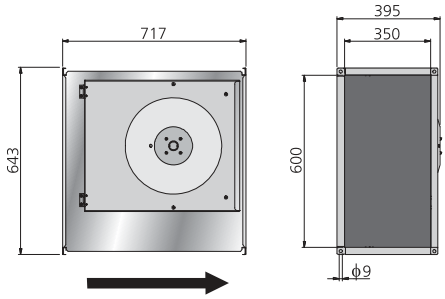
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	2.11
Input, W	412
Speed, rpm	1405
Weight, kg	30
Wiring diagram	4040005
Capacitor, µF	12
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

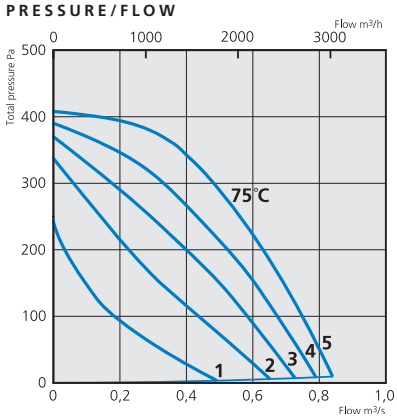
375 l/s 355 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	57	64	38	63	57	53	54	50	45	34
5. Inlet 230 V		79	58	76	75	60	62	67	65	55
4. Inlet 165 V		77	57	68	75	61	64	68	67	56
3. Inlet 135 V		73	56	66	69	58	61	66	63	52
2. Inlet 110 V		67	52	63	60	52	57	61	54	43
1. Inlet 80 V		61	53	59	52	45	49	50	40	32
Outlet 230 V		79	58	69	75	67	70	71	69	58

RKB 600 x 350 B3
RKB 600 x 350 D1

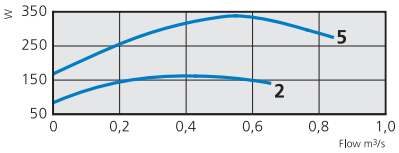
With backward curved impeller and swing-out design

RKB 600 x 350 B3

PRESSURE/FLOW



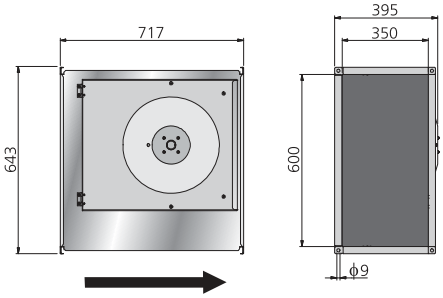
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	400/50
Current, A	1.04
Input, W	388
Speed, rpm	1415
Weight, kg	32
Wiring diagram	4040004
Capacitor, µF	-
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

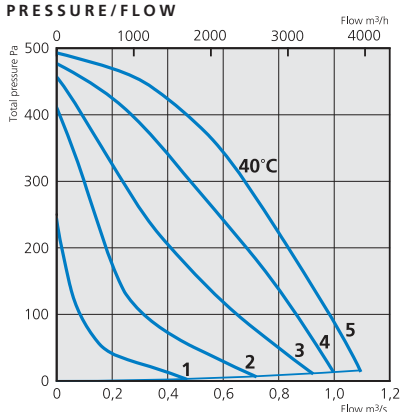


SOUND DATA

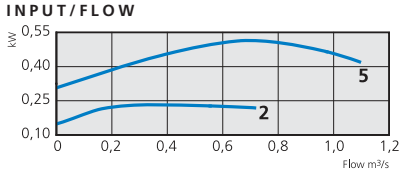
375 l/s 350 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 400 V	53	60	37	51	56	52	53	50	46	34
5. Inlet 400 V		76	59	66	74	59	62	66	65	55
4. Inlet 240 V		75	57	68	71	60	63	66	66	55
3. Inlet 185 V		72	54	67	67	57	60	65	62	50
2. Inlet 145 V		67	52	61	62	53	57	62	56	43
1. Inlet 95 V		58	48	54	52	44	49	52	39	30
Outlet 400 V		78	58	66	75	67	69	70	69	58

RKB 600 x 350 D1

PRESSURE/FLOW



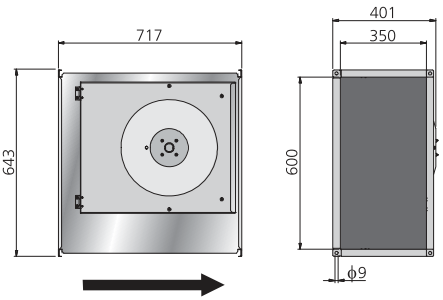
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	2.46
Input, kW	0.52
Speed, rpm	1370
Weight, kg	31
Wiring diagram	4040005
Capacitor, µF	12
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

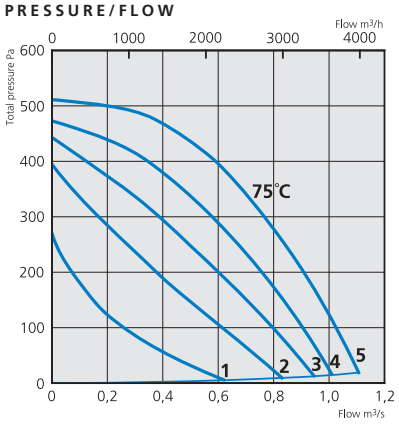
580 l/s 355 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	55	62	38	52	58	56	56	54	49	41
5. Inlet 230 V		78	62	69	77	65	66	68	62	56
4. Inlet 165 V		75	61	69	72	62	63	65	59	53
3. Inlet 135 V		68	56	63	64	57	57	58	53	45
2. Inlet 110 V		62	53	60	57	50	50	49	48	32
1. Inlet 80 V		56	49	54	47	40	38	40	28	19
Outlet 230 V		82	63	70	80	72	75	73	67	61

RKB 700 x 400 D3
RKB 700 x 400 C1

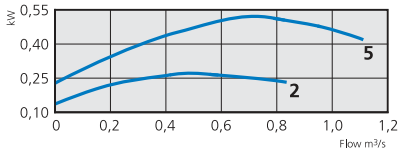
With backward curved impeller and swing-out design

RKB 600 x 350 D3

PRESSURE/FLOW



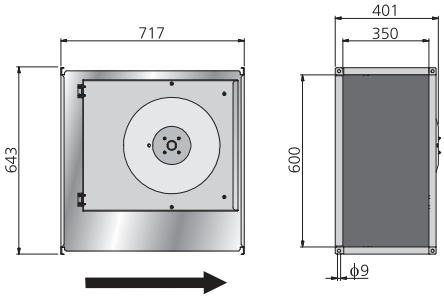
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	400/50
Current, A	1.27
Input, kW	0.52
Speed, rpm	1415
Weight, kg	24
Wiring diagram	404004
Capacitor, µF	-
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

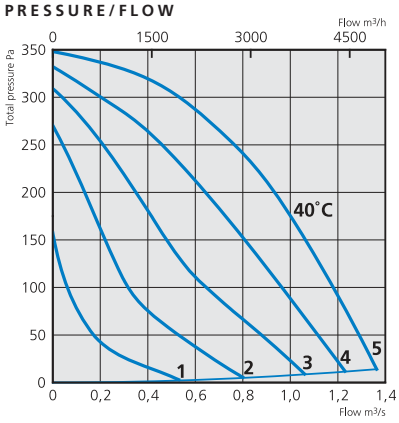


SOUND DATA

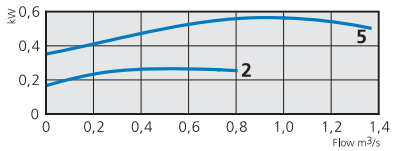
535 l/s 425 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 400 V	55	62	41	51	60	54	55	50	43	35
5. Inlet 400 V		76	62	68	75	64	63	65	61	55
4. Inlet 240 V		74	60	67	72	62	61	62	58	53
3. Inlet 185 V		70	59	66	67	59	58	59	55	50
2. Inlet 145 V		66	57	63	62	56	55	55	52	45
1. Inlet 95 V		59	52	55	55	48	46	46	43	35
Outlet 400 V		81	62	69	80	72	72	71	65	60

RKB 700 x 400 C1

PRESSURE/FLOW



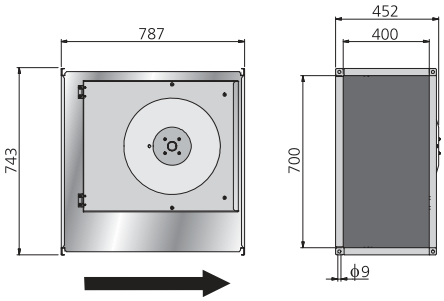
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	2.73
Input, kW	0.56
Speed, rpm	910
Weight, kg	41
Wiring diagram	4040005
Capacitor, µF	12
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

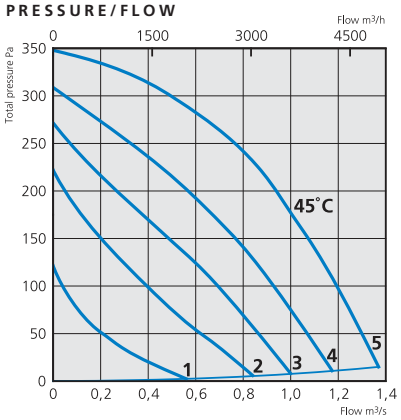
560 l/s 290 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	55	62	42	55	56	57	57	54	47	35
5. Inlet 230 V		72	62	65	66	63	67	61	56	49
4. Inlet 165 V		69	60	63	63	60	64	58	53	45
3. Inlet 135 V		66	57	61	60	56	59	53	47	38
2. Inlet 110 V		60	53	57	53	50	51	45	37	30
1. Inlet 80 V		51	43	50	43	38	38	29	29	26
Outlet 230 V		75	62	67	69	69	70	66	59	52

RKB 700 x 400 C3
RKB 700 x 400 E1

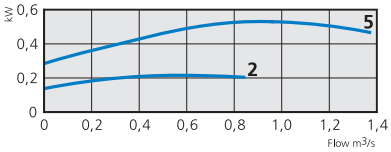
With backward curved impeller and swing-out design

RKB 700 x 400 C3

PRESSURE/FLOW



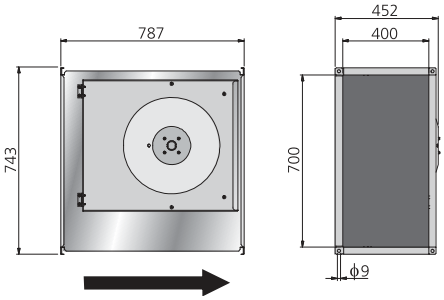
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	400/50
Current, A	1.20
Input, kW	0.53
Speed, rpm	920
Weight, kg	42
Wiring diagram	4040004
Capacitor, µF	-
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

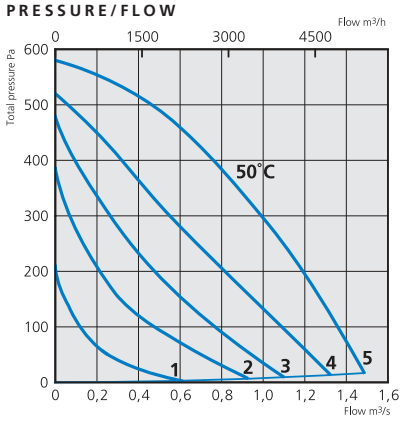


SOUND DATA

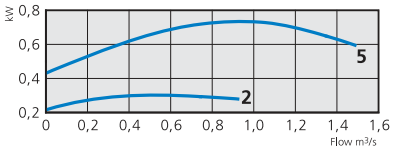
490 l/s 315 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 400 V	57	64	43	52	57	57	60	57	51	35
5. Inlet 400 V		72	63	64	66	63	66	61	57	50
4. Inlet 240 V		69	59	63	64	61	64	59	54	45
3. Inlet 185 V		66	57	61	61	57	59	54	49	40
2. Inlet 145 V		61	55	53	56	52	53	48	42	34
1. Inlet 95 V		50	46	42	45	41	41	33	27	30
Outlet 400 V		75	62	65	69	69	69	67	61	53

RKB 700 x 400 E1

PRESSURE/FLOW



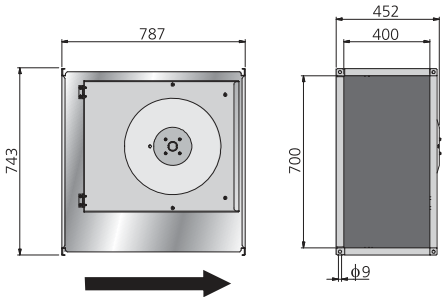
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	3.30
Input, W	0.73
Speed, rpm	1252
Weight, kg	39
Wiring diagram	4040005
Capacitor, µF	16
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

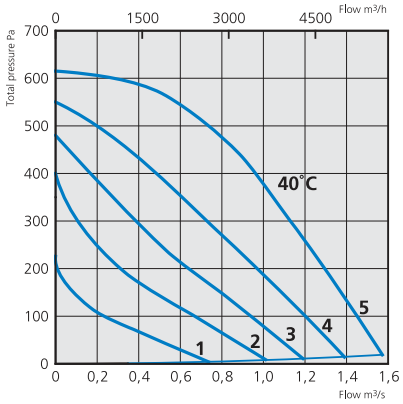
570 l/s 465 Pa	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	56	63	44	54	60	56	56	50	42	35
5. Inlet 230 V		75	61	68	70	65	68	67	62	56
4. Inlet 165 V		71	58	66	66	62	64	62	56	50
3. Inlet 135 V		67	55	62	61	57	60	57	52	44
2. Inlet 110 V		61	51	57	55	50	52	49	44	35
1. Inlet 80 V		53	47	50	46	42	42	38	32	20
Outlet 230 V		79	60	71	74	70	74	70	64	57

RKB 700 x 400 E3
RKB 800 x 500 B1

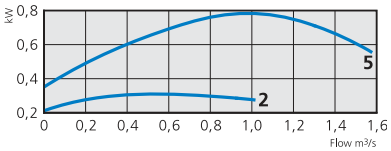
With backward curved impeller and swing-out design

RKB 700 x 400 E3

PRESSURE/FLOW



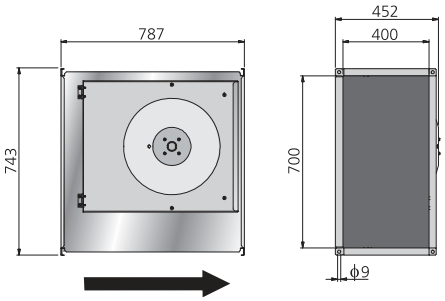
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	400/50
Current, A	1.55
Input, kW	0.78
Speed, rpm	1358
Weight, kg	39
Wiring diagram	4040004
Capacitor, µF	-
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

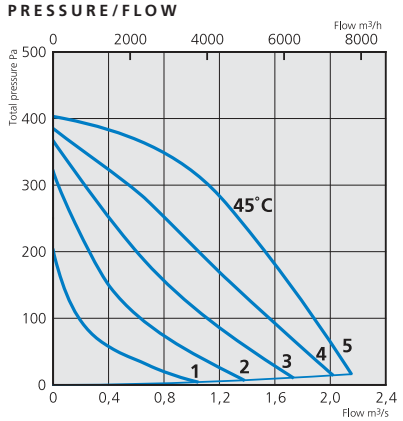


SOUND DATA

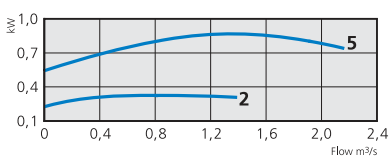
630 l/s 515 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 400 V	59	66	43	55	63	59	59	53	46	38
5. Inlet 400 V		77	62	69	73	67	71	69	64	58
4. Inlet 240 V		74	60	69	69	65	67	64	58	52
3. Inlet 185 V		69	56	65	63	60	62	59	54	46
2. Inlet 145 V		63	53	58	57	53	56	53	47	39
1. Inlet 95 V		53	48	45	47	45	44	40	34	26
Outlet 400 V		83	63	72	81	73	77	73	66	60

RKB 800 x 500 B1

PRESSURE/FLOW



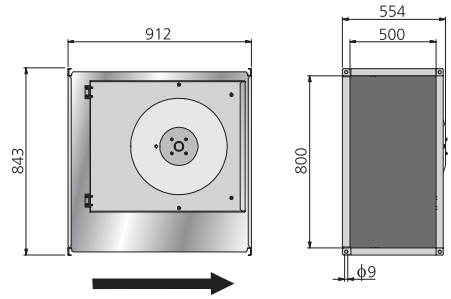
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	4.44
Input, kW	0.87
Speed, rpm	871
Weight, kg	64
Wiring diagram	4040005
Capacitor, µF	25
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

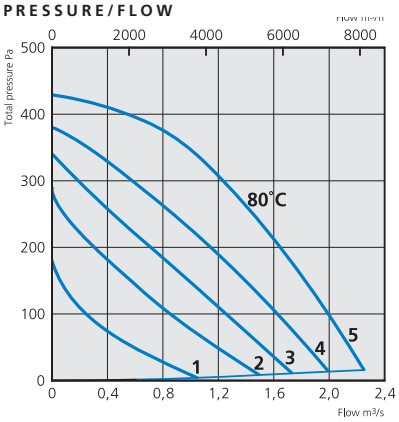
705 l/s 355 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	57	64	50	59	56	58	57	52	46	37
5. Inlet 230 V		74	60	70	63	64	68	66	60	52
4. Inlet 165 V		71	58	67	61	61	65	62	56	48
3. Inlet 135 V		68	58	65	57	58	61	58	52	44
2. Inlet 110 V		64	55	61	53	53	55	52	46	36
1. Inlet 80 V		60	47	60	43	40	42	38	29	21
Outlet 230 V		79	58	73	68	72	75	70	63	55

RKB 800 x 500 B3
RKB 800 x 500 D3

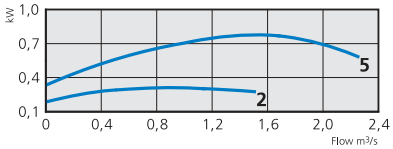
With backward curved impellers and swing-out design

RKB 800 x 500 B3

PRESSURE/FLOW



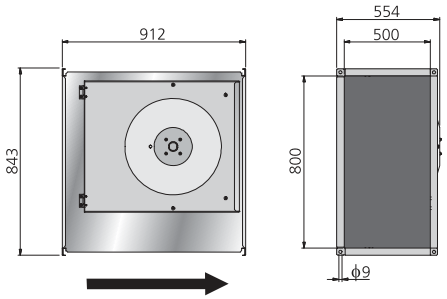
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	400/50
Current, A	1.88
Input, kW	0.78
Speed, rpm	899
Weight, kg	65
Wiring diagram	4040004
Capacitor, µF	-
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

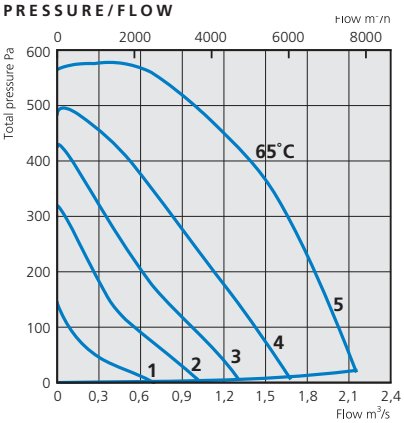


SOUND DATA

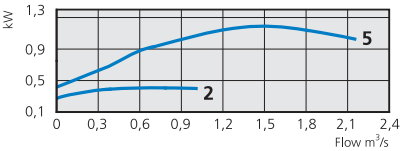
715 l/s 375 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 400 V	57	64	48	56	57	60	58	53	47	39
5. Inlet 400 V		75	61	70	64	64	69	67	61	53
4. Inlet 240 V		72	56	69	61	60	65	62	56	49
3. Inlet 185 V		68	56	64	58	57	61	58	53	43
2. Inlet 145 V		63	54	57	54	53	57	54	48	38
1. Inlet 95 V		55	48	49	47	45	49	45	37	25
Outlet 400 V		79	59	72	68	73	76	71	64	56

RKB 800 x 500 D3

PRESSURE/FLOW



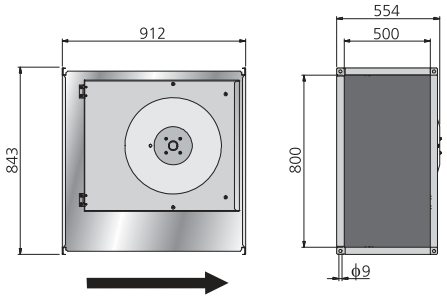
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	400/50
Current, A	2.06
Input, kW	1.18
Speed, rpm	1314
Weight, kg	65
Wiring diagram	4040004
Capacitor, µF	-
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

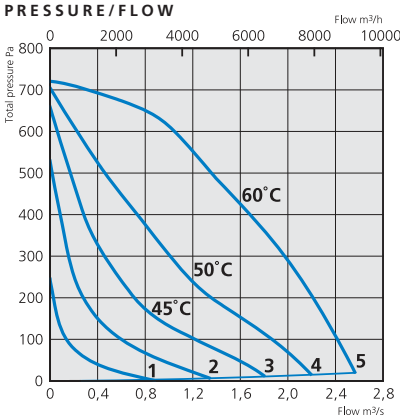
715 l/s 375 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 400 V	61	68	50	55	66	60	62	54	47	42
5. Inlet 400 V		79	62	72	70	69	73	73	68	60
4. Inlet 240 V		75	56	69	71	65	67	65	60	51
3. Inlet 185 V		69	51	66	60	58	60	59	53	40
2. Inlet 145 V		62	52	59	53	51	53	50	42	30
1. Inlet 95 V		50	44	44	41	39	42	36	28	18
Outlet 400 V		84	62	72	78	74	80	75	68	60

RKB 800 x 500 K1
RKB 800 x 500 K3

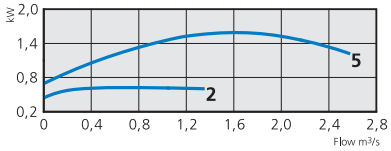
With backward curved impeller and swing-out design

RKB 800 x 500 K1

PRESSURE/FLOW



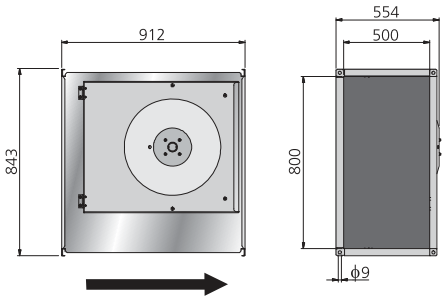
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	7.75
Input, kW	1.61
Speed, rpm	1285
Weight, kg	57
Wiring diagram	4040005
Capacitor, µF	25
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

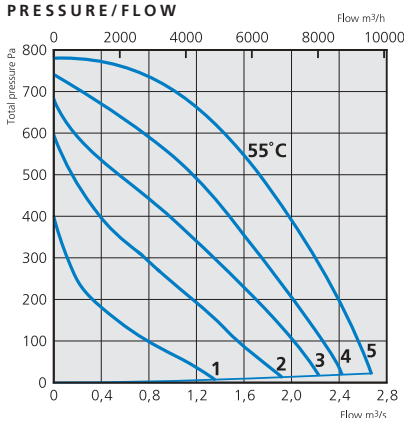


SOUND DATA

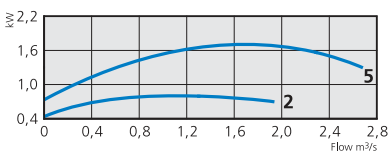
855 l/s 675Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	62	69	48	60	64	63	62	58	49	44
5. Inlet 230 V		80	62	73	72	68	75	74	69	61
4. Inlet 165 V		75	58	71	65	63	69	68	61	54
3. Inlet 135 V		70	55	69	59	56	62	60	54	45
2. Inlet 110 V		63	52	60	51	49	58	51	47	35
1. Inlet 80 V		54	45	53	41	38	43	40	37	30
Outlet 230 V		86	62	76	78	78	83	80	73	67

RKB 800 x 500 K3

PRESSURE/FLOW



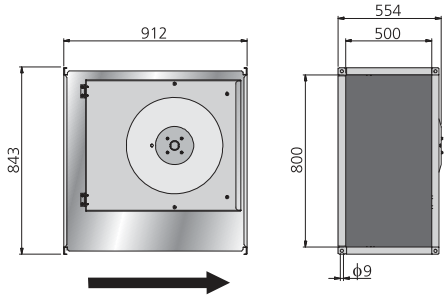
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	400/50
Current, A	3.69
Input, kW	1.72
Speed, rpm	1395
Weight, kg	58
Wiring diagram	4040004
Capacitor, µF	-
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

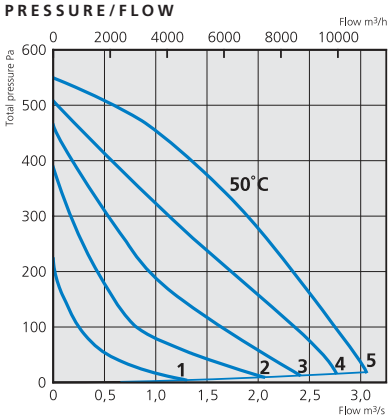
1180 l/s 665 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 400 V	64	71	48	60	67	65	65	61	52	46
5. Inlet 400 V		82	62	73	76	70	77	76	71	63
4. Inlet 240 V		81	62	74	72	69	78	75	69	61
3. Inlet 185 V		76	59	71	65	64	71	69	63	56
2. Inlet 145 V		72	58	68	62	61	67	65	59	52
1. Inlet 95 V		64	57	61	54	51	57	53	47	38
Outlet 400 V		89	64	75	83	81	85	81	75	68

RKB 1000 x 500 J1
RKB 1000 x 500 J3

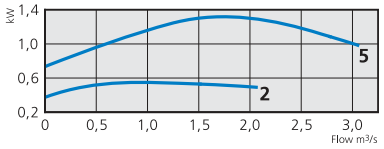
With backward curved impeller and swing-out design

RKB 1000 x 500 J1

PRESSURE/FLOW



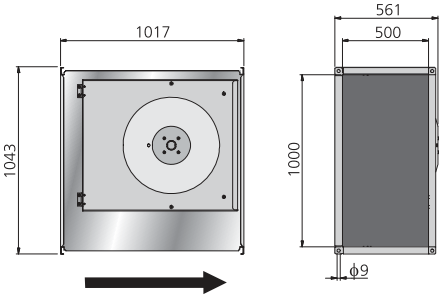
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	230/50
Current, A	6.43
Input, kW	1.32
Speed, rpm	875
Weight, kg	88
Wiring diagram	4040005
Capacitor, µF	30
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

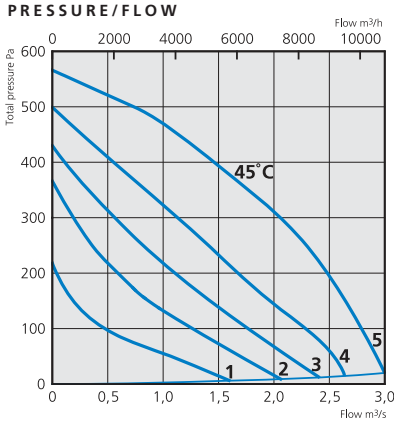


SOUND DATA

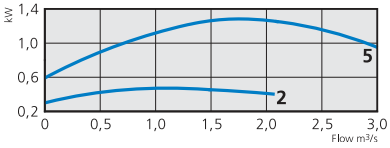
810 l/s 470 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 230 V	59	66	55	59	59	61	60	54	46	40
5. Inlet 230 V		76	65	73	64	67	69	67	62	55
4. Inlet 165 V		74	61	72	62	64	67	64	57	50
3. Inlet 135 V		68	58	66	56	59	61	57	51	42
2. Inlet 110 V		67	55	67	51	54	54	50	43	33
1. Inlet 80 V		58	43	58	41	43	42	38	28	21
Outlet 230 V		79	62	73	69	73	75	69	63	56

RKB 1000 x 500 J3

PRESSURE/FLOW



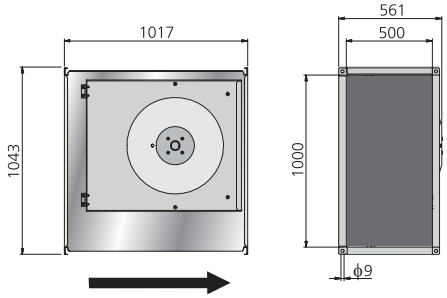
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	400/50
Current, A	3.44
Input, kW	1.28
Speed, rpm	890
Weight, kg	88
Wiring diagram	4040004
Capacitor, µF	-
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)



SOUND DATA

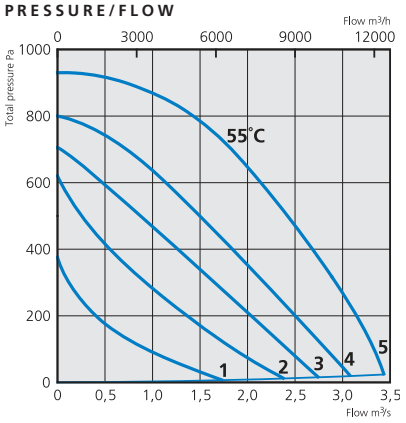
720 l/s 490 Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 400 V	58	65	48	59	58	60	58	52	46	42
5. Inlet 400 V		76	63	72	64	67	71	69	63	56
4. Inlet 240 V		73	58	70	61	63	67	64	58	50
3. Inlet 185 V		69	57	65	58	59	63	60	53	45
2. Inlet 145 V		63	54	58	53	54	58	55	48	40
1. Inlet 95 V		54	47	49	46	46	48	44	37	30
Outlet 400 V		80	62	73	69	74	77	71	65	58

RKB 1000 x 500 L3

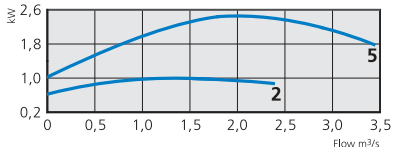
With backward curved impeller and swing-out design

RKB 1000 x 500 L3

PRESSURE/FLOW



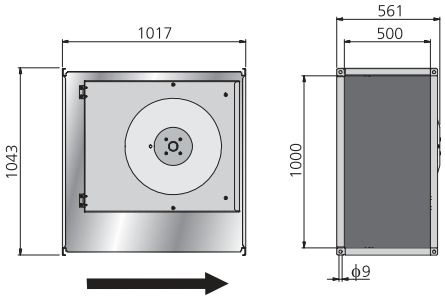
INPUT/FLOW



TECHNICAL DATA

Voltage, V/Hz	400/50
Current, A	4.90
Input, kW	2.46
Speed, rpm	1348
Weight, kg	80
Wiring diagram	4040004
Capacitor, µF	-
Insulation class	F
Motor protection	IP 44

DIMENSIONS (mm)

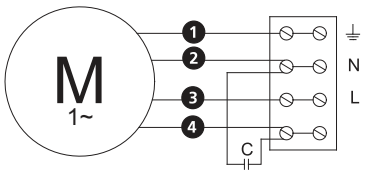


SOUND DATA

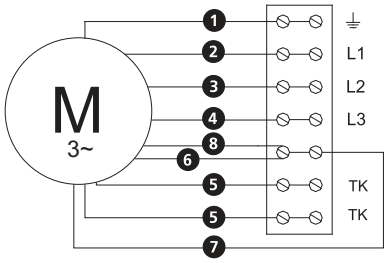
1110 l/s 840Pa	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
To environment 400 V	65	72	51	63	67	65	65	60	53	47
5. Inlet 400 V		83	66	76	73	73	77	77	71	64
4. Inlet 240 V		82	61	77	71	72	76	76	68	61
3. Inlet 185 V		77	58	73	65	67	70	70	62	55
2. Inlet 145 V		74	55	70	60	69	65	64	57	49
1. Inlet 95 V		64	52	60	53	55	57	55	47	37
Outlet 400 V		89	63	77	82	81	85	80	76	69

Wiring diagrams

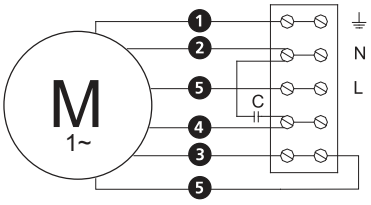
4040001
Single-phase



4040004 3-phase Y 400 V
external thermal contact leads, TW



4040005 Single phase
external thermal contact leads, TW



(M1) = Fan Motor
(M2) = Fan Motor
(M3) = Rotor Motor
1 = Yellow/Green
2 = Black
3 = Blue
4 = Brown
5 = White (TW)
6 = Orange
7 = Grey
8 = Red

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