



## Company Information

Golta Industries Co.,Ltd.It covers 22,000 square meters of area and has more than 260 employees. Now, it already has become a professional in designing, manufacture and after-service with producing side channel blower in China..

We have powerful technology, precise inspection device and introduced advanced assembly line and equipments,imported and imbibed the advanced international technology for our production.Our factory has a lot of high disposition administer and engineers to make its total production normalizable and scientific .we are rewarded as a company keeping on contract and sticking to credit by authority. To provide customers with high quality & competitive price is our principle all the way! Our goal was to develop a new innovative productions which would better satisfy the needs of customers.

Our business guidelines are "scientific management, prominent brand, quality benefits, and customer satisfaction". We have established perfect international and domestic sales network with our strong background so as to provide good sales service for the customers. We consider customers the most important part for sustaining success. Therefore our professional after-sales service team will do their utmost to satisfy customers. Expectation of tomorrow, we are very eager to be co-operation with internal and external friends from all circles, at that same time, hope all of us could be prosperous and brilliantly in the future.

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## G\_series side channel blower



G\_200  
Single stage version



G\_200  
Two stage, For tougher requirements



G\_400  
Single stage For high pressure version



G\_400  
Multi-stage reliability for high differential pressure

### Applications

- Pneumatic conveying systems
- Lifting and holding of parts by vacuum
- Packing machines
- Aeration of sewage-treatment plants
- Filling of bags/bottles/hoppers
- Soil remediation
- Thermoforming
- Sorting/enveloping of letters
- Food-processing
- Laser printers
- Dental suction equipments
- Paper processing
- Printers/copiers
- Textile machines
- Aeration of fish ponds
- Gas analysis
- Swimming pool equipment/whirlpools

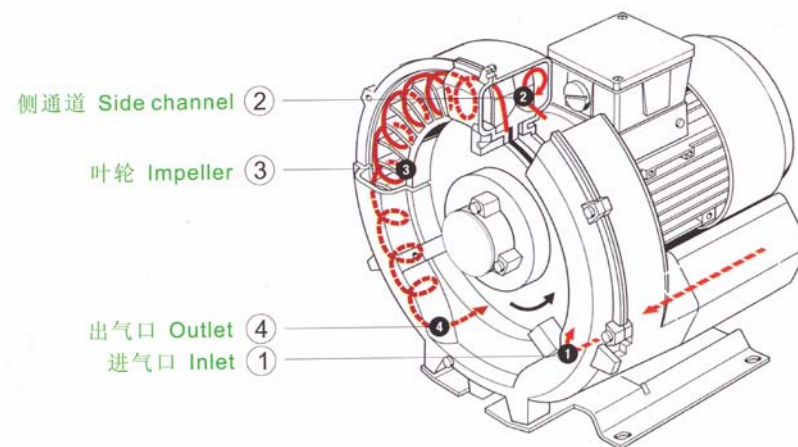
## Ex stock for use world-wide

The G\_series side channel blower feature voltage range motors for 50Hz and 60Hz in protection class IP55(insulation class F) are UL CE CCC approved. This makes them the ideal solution for world wide use. They can be used without any modifications or tests in Europe, America and Asia. They are mostly available ex stock. They are available for your requirements anytime.

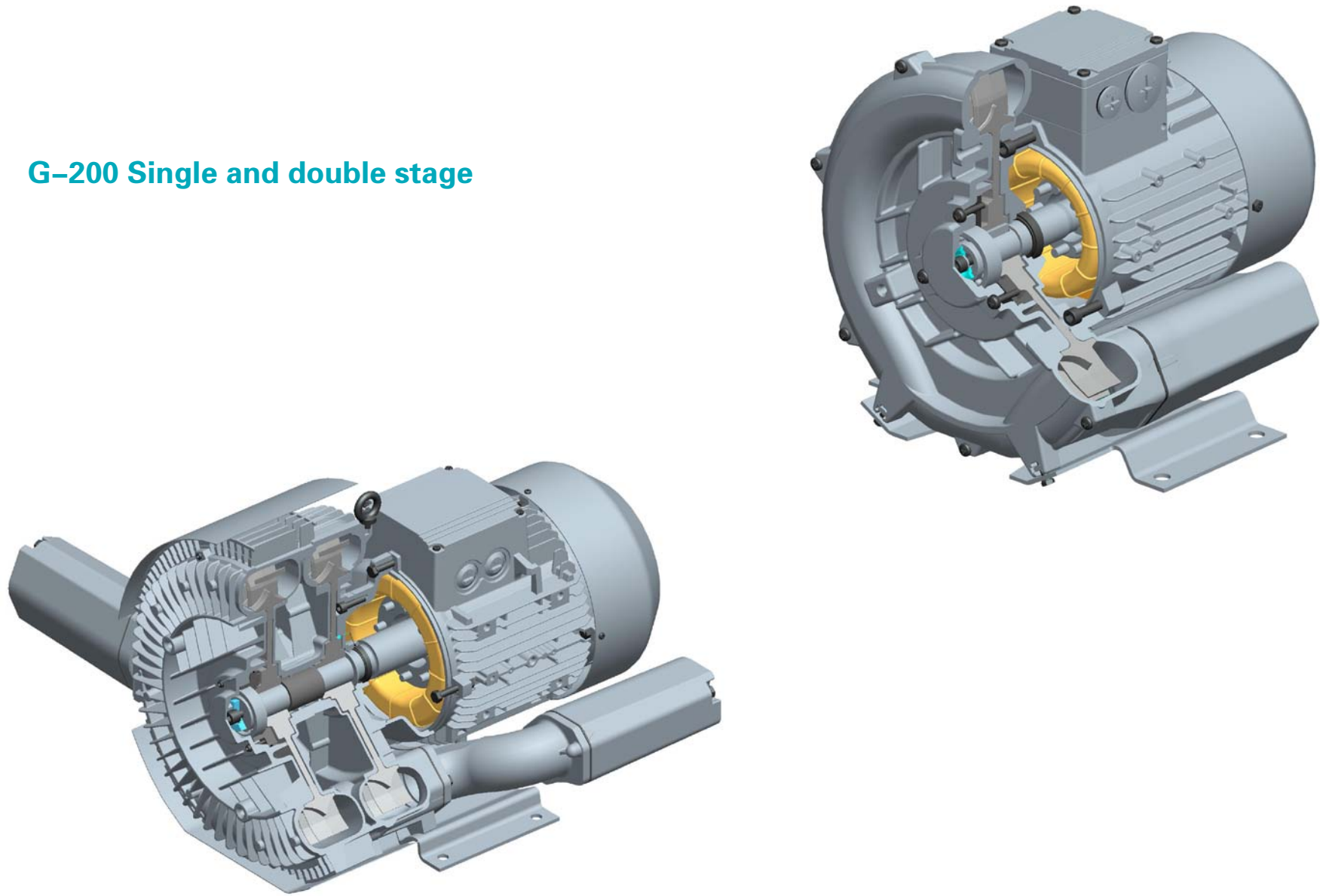
## G\_series operating principle

The impellers in the G\_series machines are mounted directly on the motor shaft for noncontact compression entirely without friction. Maximum operational reliability, even at high differential pressures, is ensured by the arrangement of the bearings outside the compression chamber.

The gas is taken in through the **inlet 1**. As it enters the **side channel 2**, the rotating **impeller 3** imparts velocity to the gas in the direction of rotation. Centrifugal force in the impeller blades accelerates the gas outward and the pressure increases. Every rotation adds kinetic energy, resulting in the further increase of the pressure along the side channel. The side channel narrows at the rotor, sweeping the gas off the impeller blades and discharging it through the **outlet silencer 4** where it exits the side channel blower.



**G-200 Single and double stage**



## CLASSICS WITH INNOVATIVE TECHNOLOGY

With their high inlet volume flow up to 2,500m<sup>3</sup>/h and a differential pressure up to 780mbar, our low noise G\_series allrounders have earned their reputation and convinced thousands of customers all over the world.

They are reliable, low-maintenance and durable and are the first choice for many applications in mechanical engineering.

When used with a frequency converter the performance of G\_200 side channel blower can be increased considerably.

The G\_200 series side channel blowers are UL/CCC/CE approved and can be used without further testing all over the world.

Selection diagrams and tables for G\_200 series  
vacuum and pressure mode, 50Hz and 60Hz      Pages 05-24

Details on voltages, footnotes etc see.      Pages 55

# 2RB 1AC



## G-Series

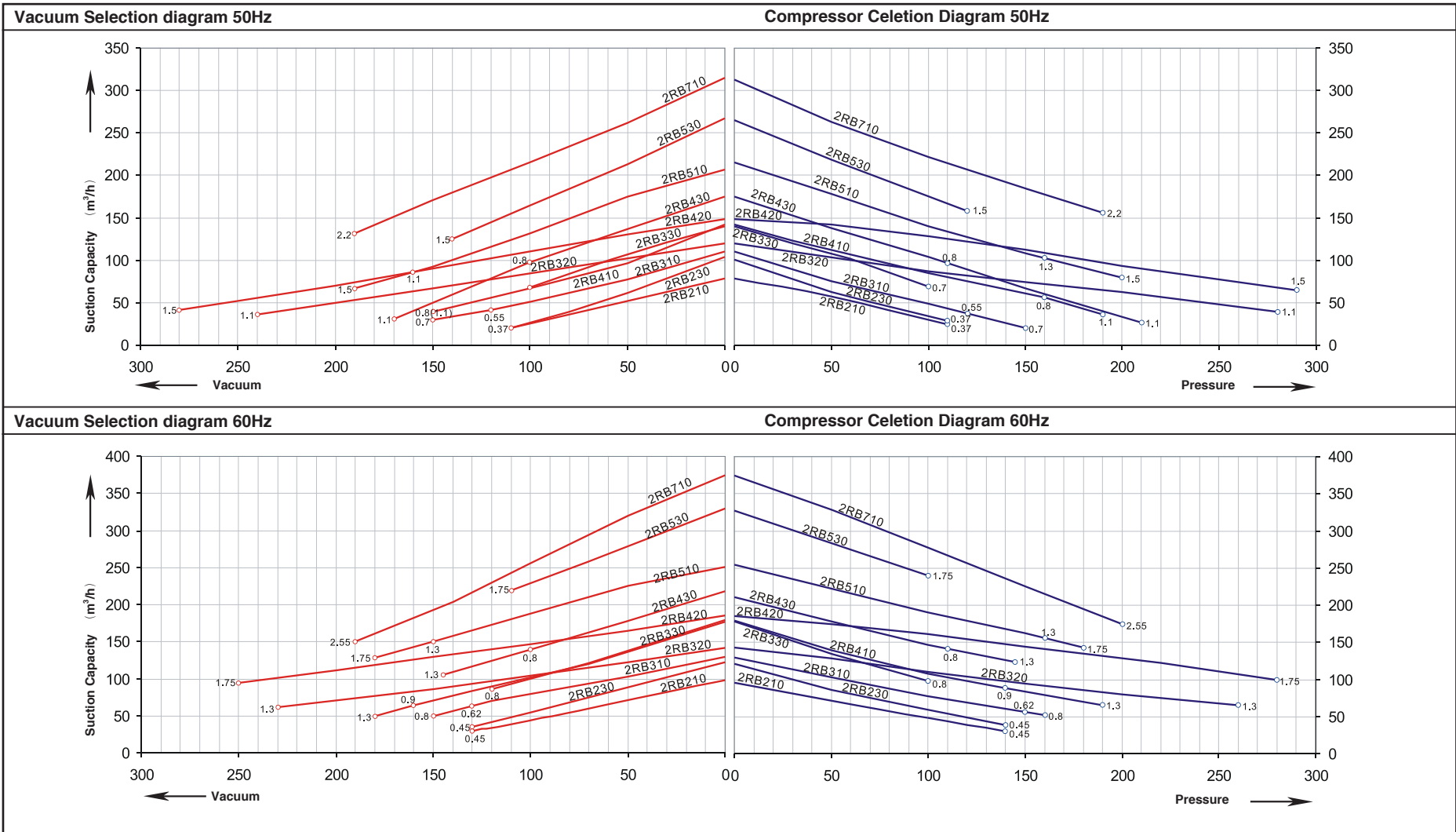
Selection and ordering data for side channel blowers in vacuum and pressure operation. single-phase current

Order No. • available ex stock	MOTOR				Weight approx. kg	Sound- pressure dB(A)	Maximum airflow m <sup>3</sup> /h	Maximum vacuum mbar	Maximum pressure mbar	Vacuum relief
	Fre- quency HZ	rated								valve
		output KW	voltage V	current A						
• 2RB 210-7AA11	50	0.37	230	2.7	11	53	80	-110	110	1x2Bx2110/...2141
	60	0.45	230	3.0		56	96	-130	140	1x2Bx2114/...2142
• 2RB 230-7AA11	50	0.37	230	2.7	11	54	100	-110	110	1x2Bx2110/...2141
	60	0.45	230	3.0		57	120	-130	140	1x2Bx2114/...2142
• 2RB 310-7AA01	50	0.55	230	3.7	13	55	100	-120	120	1x2Bx2114/...2142
	60	0.62	230	4.5		57	120	-130	150	1x2Bx2114/...2142
• 2RB 310-7AA11	50	0.7	230	4.8	14	55	100	-150	150	1x2Bx2114/...2142
	60	0.8	230	4.1		57	120	-150	160	1x2Bx2114/...2142
• 2RB 320-7HA31	50	1.1	230	7.3	17	58	120	-240	280	1x2Bx2110/...2141
	60	1.3	230	8.3		60	145	-230	260	1x2Bx2114/...2142
• 2RB 330-7AA11	50	0.7	230	4.8	14	56	145	-100	100	1x2Bx2110/...2141
	60	0.8	230	4.1		58	165	-110	100	1x2Bx2114/...2142
• 2RB 410-7AA11	50	0.8	230	5.2	15	63	145	-150	160	1x2Bx2110/...2141
	60	0.9	230	5.8		64	175	-160	140	1x2Bx2114/...2142
• 2RB 410-7AA21	50	1.1	230	7.3	16	63	145	-150	190	1x2Bx2110/...2141
	60	1.3	230	8.3		64	175	-180	190	1x2Bx2114/...2142
• 2RB 420-7HA31	50	1.5	230	9	26	66	150	-280	290	1x2Bx2110/...2141
	60	1.75	230	10		69	180	-250	280	1x2Bx2114/...2142
• 2RB 430-7AA11	50	0.8	230	5.2	16	64	180	-100	110	1x2Bx2110/...2141
	60	0.9	230	5.8		66	210	-100	110	1x2Bx2110/...2141
• 2RB 430-7AA21	50	1.1	230	7.3	17	64	180	-170	210	1x2Bx2110/...2141
	60	1.3	230	8.3		66	210	-145	145	1x2Bx2114/...2142
• 2RB 510-7AA11	50	1.1	230	7.3	21	64	210	-160	160	1x2Bx2110/...2145
	60	1.3	230	8.3		70	255	-150	160	1x2Bx2110/...2146
• 2RB 510-7AA21	50	1.5	230	9	24	64	210	-190	200	1x2Bx2110/...2145
	60	1.75	230	10		70	255	-180	180	1x2Bx2110/...2146
• 2RB 530-7AA21	50	1.5	230	9	26	65	270	-140	120	1x2Bx2110/...2145
	60	1.75	230	10		71	330	-110	100	1x2Bx2110/...2146
• 2RB 710-7AA11	50	2.2	230	12.8	30	72	318	-190	190	1x2Bx2110/...2141
	60	2.55	230	12.8		74	376	-190	200	1x2Bx2114/...2146

# 2RB Series Selection diagram 50/60Hz 1AC



The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .





# 2RB 1AC



## G-Series

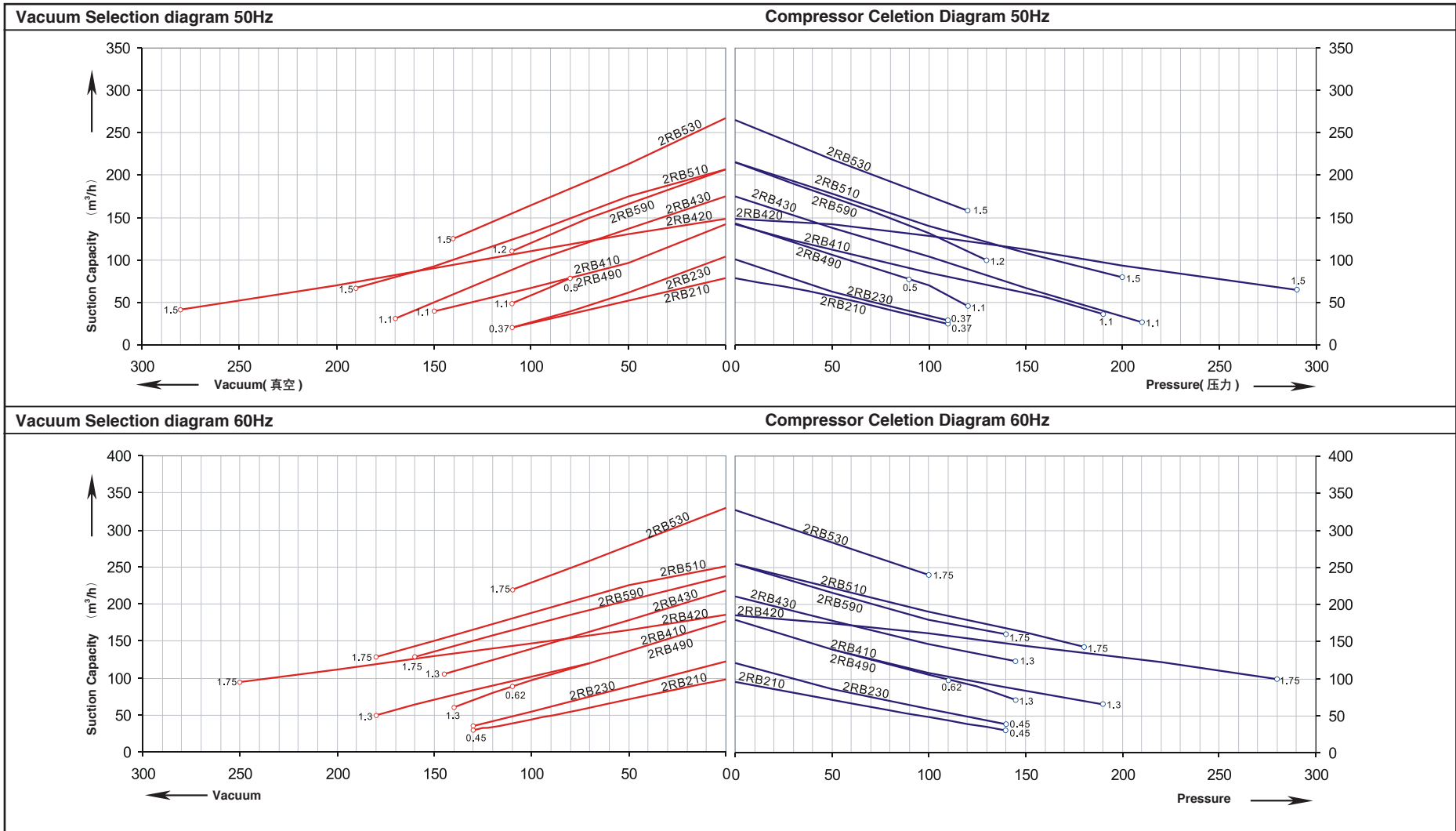
Selection and ordering data for side channel blowers in vacuum and pressure operation. single-phase current

Order No. • available ex stock	MOTOR				Weight approx. kg	Sound- pressure dB(A)	Maximum airflow m <sup>3</sup> /h	Maximum vacuum mbar	Maximum pressure mbar	Vacuum relief
	Fre- quency HZ	output KW	rated							Items X type
			voltage V	current A						
• 2RB 210-7AV15	50	0.37	115/230	5.4/2.7	11	53	80	-110	110	1x2Bx2110/...2141
	60	0.45	115/230	6.0/3.0		56	96	-130	140	1x2Bx2114/...2142
• 2RB 230-7AV15	50	0.37	115/230	5.4/2.7	17	54	101	-110	110	1x2Bx2110/...2141
	60	0.45	115/230	6.0/3.0		57	121	-130	140	1x2Bx2114/...2142
• 2RB 410-7AV25	50	1.1	115/230	14.6/7.3	16	63	148	-150	190	1x2Bx2110/...2141
	60	1.3	115/230	16.6/8.3		64	190	-180	190	1x2Bx2114/...2142
• 2RB 420-7AV45	50	1.5	115/230	22/11	27	66	150	-250	260	1x2Bx2110/...2141
	60	1.75	115/230	24/12		69	190	-250	270	1x2Bx2114/...2142
• 2RB 430-7AV25	50	1.1	115/230	14.6/7.3	16	64	180	-170	170	1x2Bx2110/...2141
	60	1.3	115/230	16.6/8.3		65	212	-180	180	1x2Bx2110/...2141
• 2RB 490-7AA11	50	0.5	230	4.1	16	63	140	-80	90	-
• 2RB 490-7AB16	60	0.62	115	10	16	64	102	-110	110	-
• 2RB 490-7AV25	50	1.1	115/230	14.6/7.3	16	63	142	-110	120	1x2Bx2110/...2141
	60	1.3	115/230	16.6/8.3		64	172	-140	190	1x2Bx2114/...2142
• 2RB 510-7AV35	50	1.5	115/230	22/11	26	64	210	-190	200	1x2Bx2110/...2145
	60	1.75	115/230	24/12		70	255	-180	180	1x2Bx2110/...2146
• 2RB 530-7AV35	50	1.5	115/230	22/11	26	65	270	-140	120	1x2Bx2110/...2141
	60	1.75	115/230	24/12		71	325	-110	100	1x2Bx2114/...2146
• 2RB 590-7AA21	50	1.2	230	7.9	21	64	210	-110	130	-
• 2RB 590-7AB26	60	1.75	115	21.5	21	70	255	-160	140	-

# 2RB Series Selection diagram 50/60Hz 1AC



The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .





## G-Series

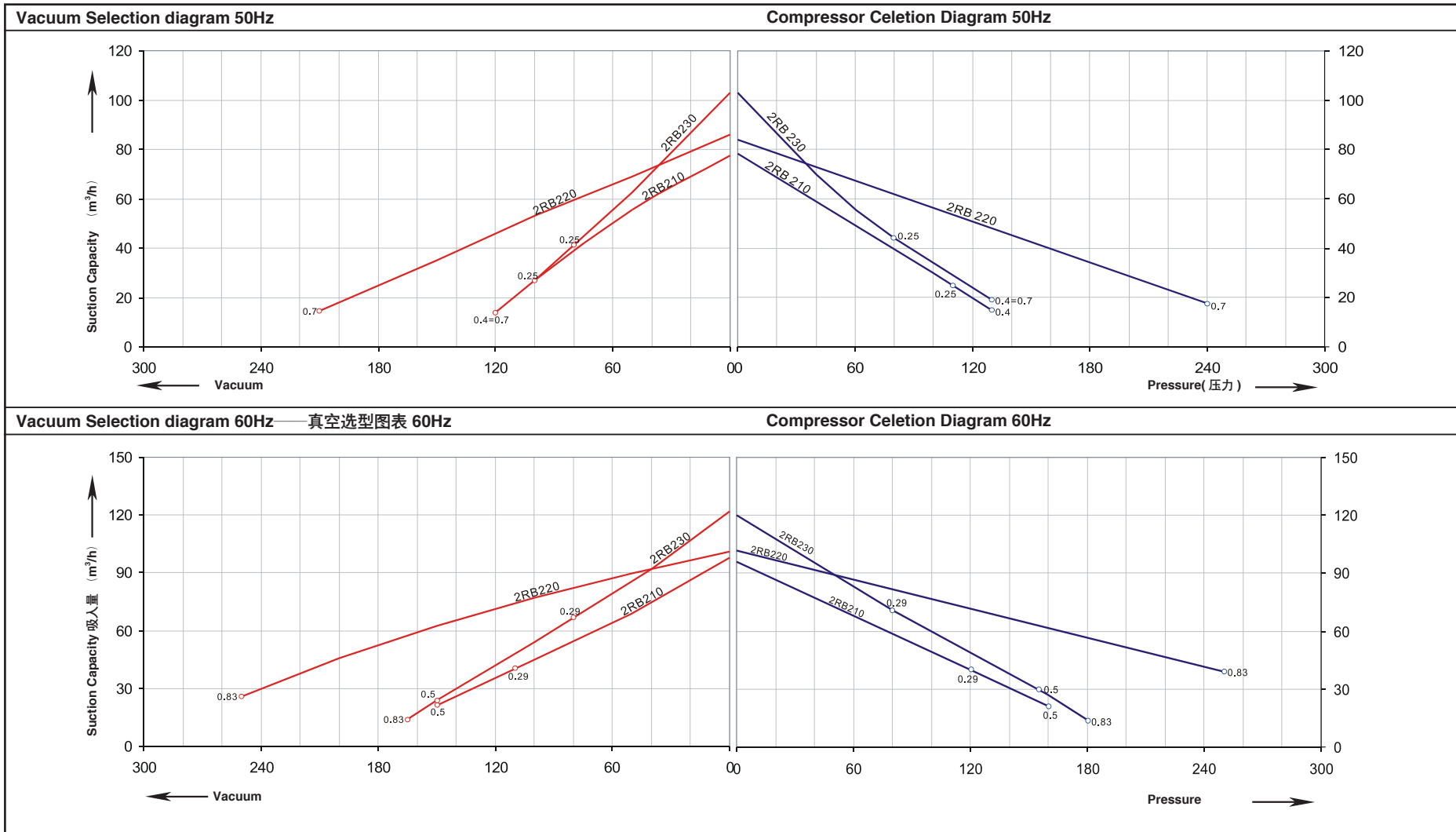
Selection and ordering data for side channel blowers in vacuum and pressure operation.

Order No. • available ex stock	Fre- quency HZ	MOTOR rated			Weight approx. kg	Sound- pressure dB(A)	Maximum airflow m <sup>3</sup> /h	Maximum vacuum mbar	Maximum pressure mbar	Vacuum relief
		output KW	voltage V	current A						valve
										Items X type
• 2RB 210-7AH06	50	0.25	200-240 $\Delta$ /345-415	2.1 $\Delta$ /1.2Y	9	53	80	-100	110	1x...2110/...2141
	60	0.29	220-275 $\Delta$ /380-480	2.0 $\Delta$ /1.15Y		56	98	-110	120	1x...2114/...2142
• 2RB 210-7AH16	50	0.4	200-240 $\Delta$ /345-415	2.6 $\Delta$ /1.5Y	10	53	80	-120	130	1x...2110/...2141
	60	0.5	220-275 $\Delta$ /380-480	2.6 $\Delta$ /1.5Y		56	98	-150	160	1x...2114/...2142
• 2RB 220-7HH26	50	0.7	200-240 $\Delta$ /345-415	3.8 $\Delta$ /2.2Y	15	55	85	-210	240	1x...2110/...2141
	60	0.83	220-275 $\Delta$ /380-480	3.75 $\Delta$ /2.15Y		61	102	-250	250	1x...2114/...2142
• 2RB 230-7AH06	50	0.25	200-240 $\Delta$ /345-415	2.1 $\Delta$ /1.2Y	10	54	105	-80	80	1x...2110/...2141
	60	0.29	220-275 $\Delta$ /380-480	1.7 $\Delta$ /1.0Y		57	120	-80	80	1x...2114/...2142
• 2RB 230-7AH16	50	0.4	200-240 $\Delta$ /345-415	2.6 $\Delta$ /1.5Y	11	54	105	-120	130	1x...2110/...2141
	60	0.5	220-275 $\Delta$ /380-480	2.6 $\Delta$ /1.5Y		57	120	-150	155	1x...2114/...2142
• 2RB 230-7AH26	50	0.7	200-240 $\Delta$ /345-415	3.8 $\Delta$ /2.2Y	12	54	105	-120	130	1x2Bx2110/...2141
	60	0.83	220-275 $\Delta$ /380-480	3.8 $\Delta$ /2.2Y		57	120	-165	180	2x2Bx2114/...2142

# 2RB2 Series Selection diagram 50/60Hz 3AC



The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .



# 2RB3 3AC



## G-Series

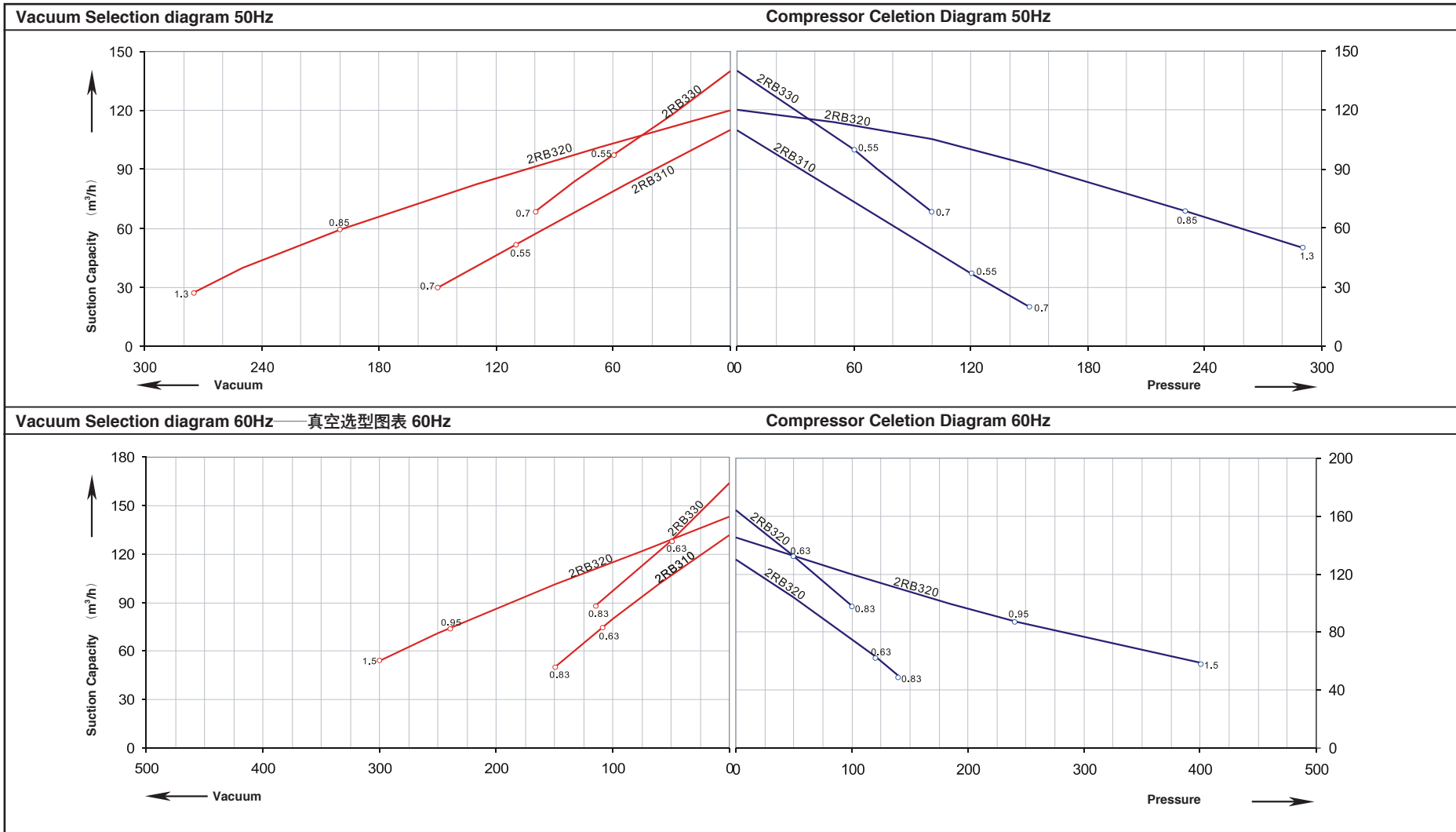
Selection and ordering data for side channel blowers in vacuum and pressure operation.

Order No. • available ex stock	Fre- quency HZ	MOTOR rated			Weight approx. kg	Sound- pressure dB(A)	Maximum airflow m <sup>3</sup> /h	Maximum vacuum mbar	Maximum pressure mbar	Vacuum relief
		output KW	voltage V	current A						valve
										Items X type
• 2RB 310-7AH06	50	0.55	200-240 △ /345-415	2.8 △ /1.6Y	11	55	100	-110	120	1×2B×2110/...2141
	60	0.63	220-275 △ /380-480	3.0 △ /1.7Y		57	120	-110	120	1×2B×2114/...2142
• 2RB 310-7AH16	50	0.75	200-240 △ /345-415	3.8 △ /2.2Y	12	55	100	-150	150	1×2B×2110/...2141
	60	0.83	220-275 △ /380-480	3.8 △ /2.2Y		57	120	-150	140	1×2B×2114/...2142
• 2RB 320-7HH26	50	0.85	200-240 △ /345-415	4.2 △ /2.4Y	17	58	110	-200	230	1×2B×2110/...2141
	60	0.95	220-275 △ /380-480	4.0 △ /2.3Y		60	130	-240	240	1×2B×2114/...2142
• 2RB 320-7HH36	50	1.3	200-240 △ /345-415	5.7 △ /3.3Y	18	58	110	-280	290	1×2B×2110/...2141
	60	1.5	220-275 △ /380-480	6.0 △ /3.5Y		60	130	-300	400	1×2B×2114/...2142
• 2RB 330-7AH06	50	0.55	200-240 △ /345-415	2.8 △ /1.6Y	12	56	140	-60	60	1×2B×2110/...2141
	60	0.63	220-275 △ /380-480	3.0 △ /1.7Y		58	165	-50	50	1×2B×2114/...2142
• 2RB 330-7AH16	50	0.75	200-240 △ /345-415	3.8 △ /2.2Y	13	56	140	-100	100	1×2B×2110/...2141
	60	0.83	220-275 △ /380-480	3.8 △ /2.2Y		58	165	-115	100	1×2B×2114/...2142

# 2RB3 Series Selection diagram 50/60Hz 3AC



The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .



# 2RB4 3AC



## G-Series

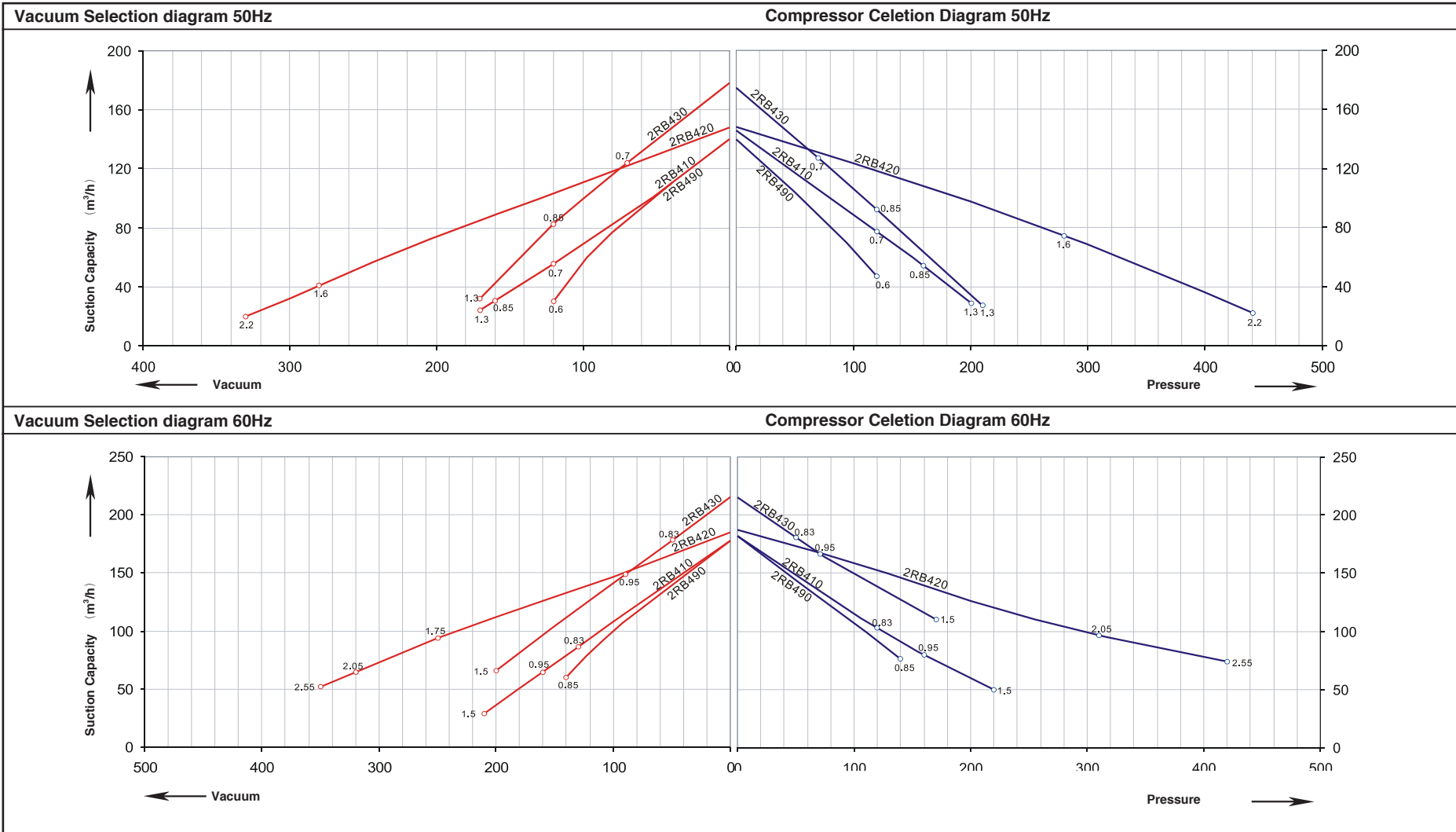
Selection and ordering data for side channel blowers in vacuum and pressure operation.

Order No. • available ex stock	MOTOR				Weight approx. kg	Sound- pressure dB(A)	Maximum airflow m <sup>3</sup> /h	Maximum vacuum mbar	Maximum pressure mbar	Vacuum relief
	Fre- quency HZ	rated								valve
		output KW	voltage V	current A						
• 2RB 410-7AH06	50	0.7	200-240 △ /345-415	3.8 △ /2.2Y	13	63	145	-120	120	1×...2110/...2141
	60	0.83	220-275 △ /380-480	3.75 △ /2.15Y		64	175	-130	130	1×...2114/...2142
• 2RB 410-7AH16	50	0.85	200-240 △ /345-415	4.0 △ /2.3Y	16	63	145	-160	160	1×...2110/...2141
	60	0.95	220-275 △ /380-480	3.85 △ /2.25Y		64	175	-160	160	1×...2114/...2142
• 2RB 410-7AH26	50	1.3	200-240 △ /345-415	5.7 △ /3.3Y	17	63	145	-170	200	1×...2110/...2141
	60	1.5	220-275 △ /380-480	6.0 △ /3.5Y		64	175	-210	220	1×...2114/...2142
• 2RB 420-7HH36	50	1.6	200-240 △ /345-415	7.5 △ /4.3Y	25	66	150	-280	280	1×2B×2110/...2141
	60	2.05	220-275 △ /380-480	7.6 △ /4.4Y		69	180	-320	310	2×2B×2114/...2142
• 2RB 420-7HH46	50	2.2	200-240 △ /345-415	9.7 △ /5.6Y	27	66	150	-330	440	1×2B×2110/...2141
	60	2.55	220-275 △ /380-480	10.0 △ /5.8Y		69	180	-350	420	1×2B×2114/...2142
• 2RB 430-7AH06	50	0.7	200-240 △ /345-415	3.8 △ /2.2Y	14	64	180	-70	70	1×...2110/...2141
	60	0.83	220-275 △ /380-480	3.8 △ /2.2Y		65	210	-50	50	2×...2114/...2142
• 2RB 430-7AH16	50	0.85	200-240 △ /345-415	4.2 △ /2.4Y	17	64	180	-120	120	1×...2110/...2141
	60	0.95	220-275 △ /380-480	4.0 △ /2.3Y		65	210	-90	70	2×...2114/...2142
• 2RB 430-7AH26	50	1.3	200-240 △ /345-415	6.6 △ /3.8Y	18	64	180	-170	220	1×...2110/...2141
	60	1.5	220-275 △ /380-480	6.9 △ /4.0Y		65	210	-200	160	1×...2114/...2142
• 2RB 490-7AH16	50	0.6	200-240 △ /345-415	2.8 △ /1.6Y	14	63	140	-120	120	—
	60	0.85	220-275 △ /380-480	3.6 △ /2.1Y		64	175	-140	140	—

# 2RB4 Series Selection diagram 50/60Hz 3AC



The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .







## G-Series

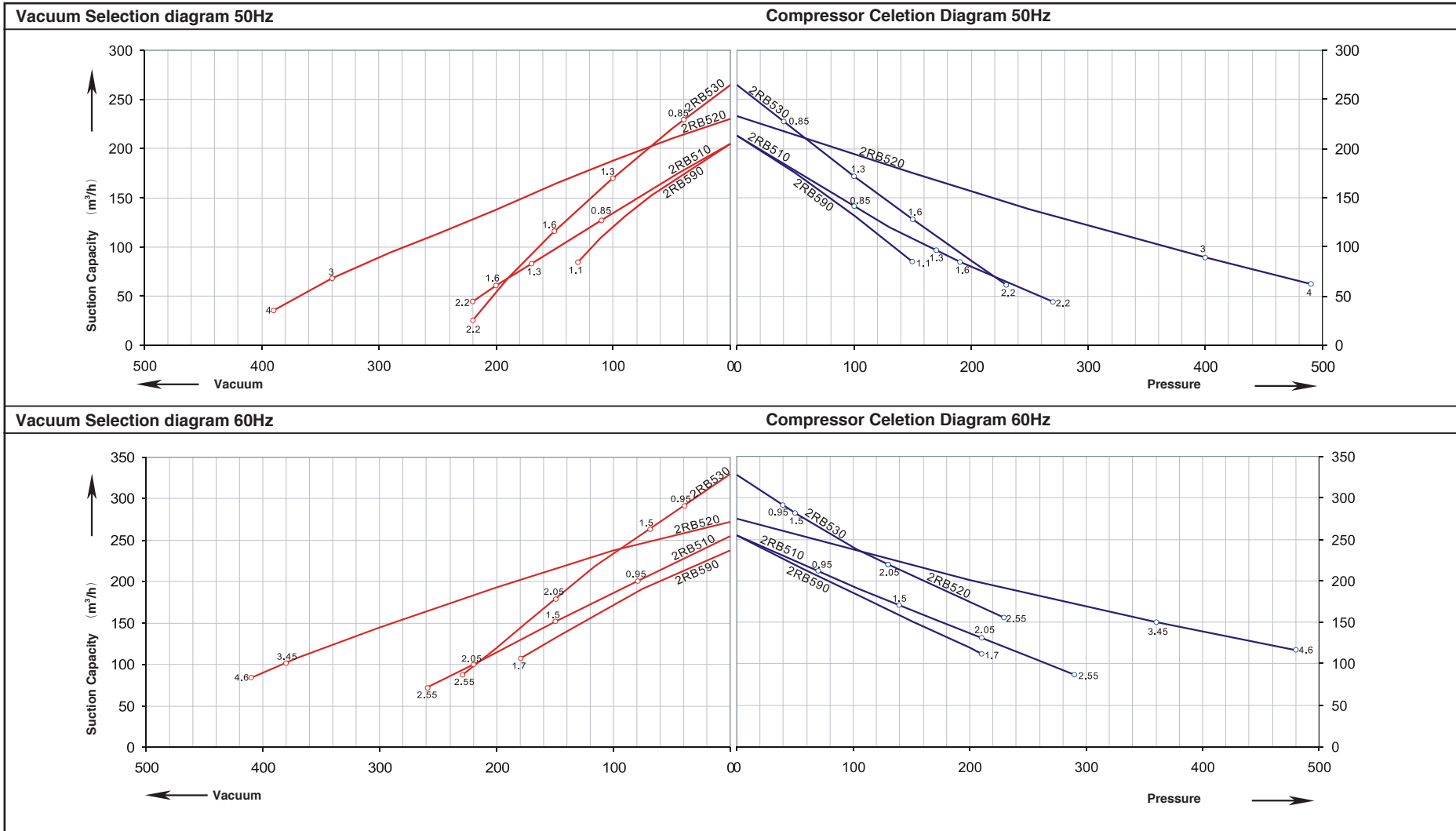
Selection and ordering data for side channel blowers in vacuum and pressure operation.

Order No. • available ex stock	MOTOR				Weight approx. kg	Sound-pressure dB(A)	Maximum airflow m <sup>3</sup> /h	Maximum vacuum mbar	Maximum pressure mbar	Vacuum relief
	Fre-quency HZ	rated								valve
		output KW	voltage V	current A						
• 2RB 510-7AH06	50	0.85	200-240 △ /345-415	4.0 △ /2.3Y	20	64	210	-110	100	1x...2110/...2145
	60	0.95	220-275 △ /380-480	4.2 △ /2.3Y		70	255	-80	70	1x...2114/...2146
• 2RB 510-7AH16	50	1.3	200-240 △ /345-415	6.6 △ /3.8Y	22	64	210	-170	170	1x...2110/...2145
	60	1.5	220-275 △ /380-480	6.9 △ /4.0Y		70	255	-150	140	1x...2114/...2146
• 2RB 510-7AH26	50	1.6	200-240 △ /345-415	7.5 △ /4.3Y	23	64	210	-200	190	1x...2110/...2145
	60	2.05	220-275 △ /380-480	7.6 △ /4.4Y		70	255	-220	210	1x...2114/...2146
• 2RB 510-7AH36	50	2.2	200-240 △ /345-415	9.7 △ /5.6Y	25	64	210	-220	270	1x...2110/...2145
	60	2.55	220-275 △ /380-480	10.3 △ /6.0Y		70	255	-260	290	1x...2114/...2146
• 2RB 520-7HH46	50	3.0	200-240 △ /345-415	12.5 △ /7.2Y	40	72	230	-340	410	1x2Bx2110/...2145
	60	3.45	220-275 △ /380-480	12.6 △ /7.3Y		74	275	-380	360	1x2Bx2114/...2146
• 2RB 520-7HH57	50	4.0	345-415 △ /600-720	10.0 △ /5.8Y	44	72	230	-390	490	1x2Bx2110/...2145
	60	4.6	380-480 △ /660-720	9.9 △ /5.71Y		74	275	-410	480	1x2Bx2114/...2146
• 2RB 530-7AH06	50	0.85	200-240 △ /345-415	4.0 △ /2.3Y	21	65	270	-40	40	1x...2110/...2145
	60	0.95	220-275 △ /380-480	4.2 △ /2.4Y		71	330	-40	40	1x...2114/...2146
• 2RB 530-7AH16	50	1.3	200-240 △ /345-415	6.6 △ /3.8Y	23	65	270	-100	100	1x...2110/...2145
	60	1.5	220-275 △ /380-480	6.9 △ /4.0Y		71	330	-70	50	1x...2114/...2146
• 2RB 530-7AH26	50	1.6	200-240 △ /345-415	7.5 △ /4.3Y	24	65	270	-150	150	1x...2110/...2145
	60	2.05	220-275 △ /380-480	7.6 △ /4.4Y		71	330	-150	130	1x...2114/...2146
• 2RB 530-7AH36	50	2.2	200-240 △ /345-415	9.7 △ /5.6Y	26	65	270	-220	230	1x...2110/...2145
	60	2.55	220-275 △ /380-480	10.3 △ /6.0Y		71	330	-230	210	1x...2110/...2146
• 2RB 590-7AH26	50	1.1	200-240 △ /345-415	5.7 △ /3.3Y	23	64	210	-130	150	-
	60	1.7	220-275 △ /380-480	6.0 △ /3.5Y		71	255	-180	210	-

# 2RB5 Series Selection diagram 50/60Hz 3AC



The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .



# 2RB6 3AC



## G-Series

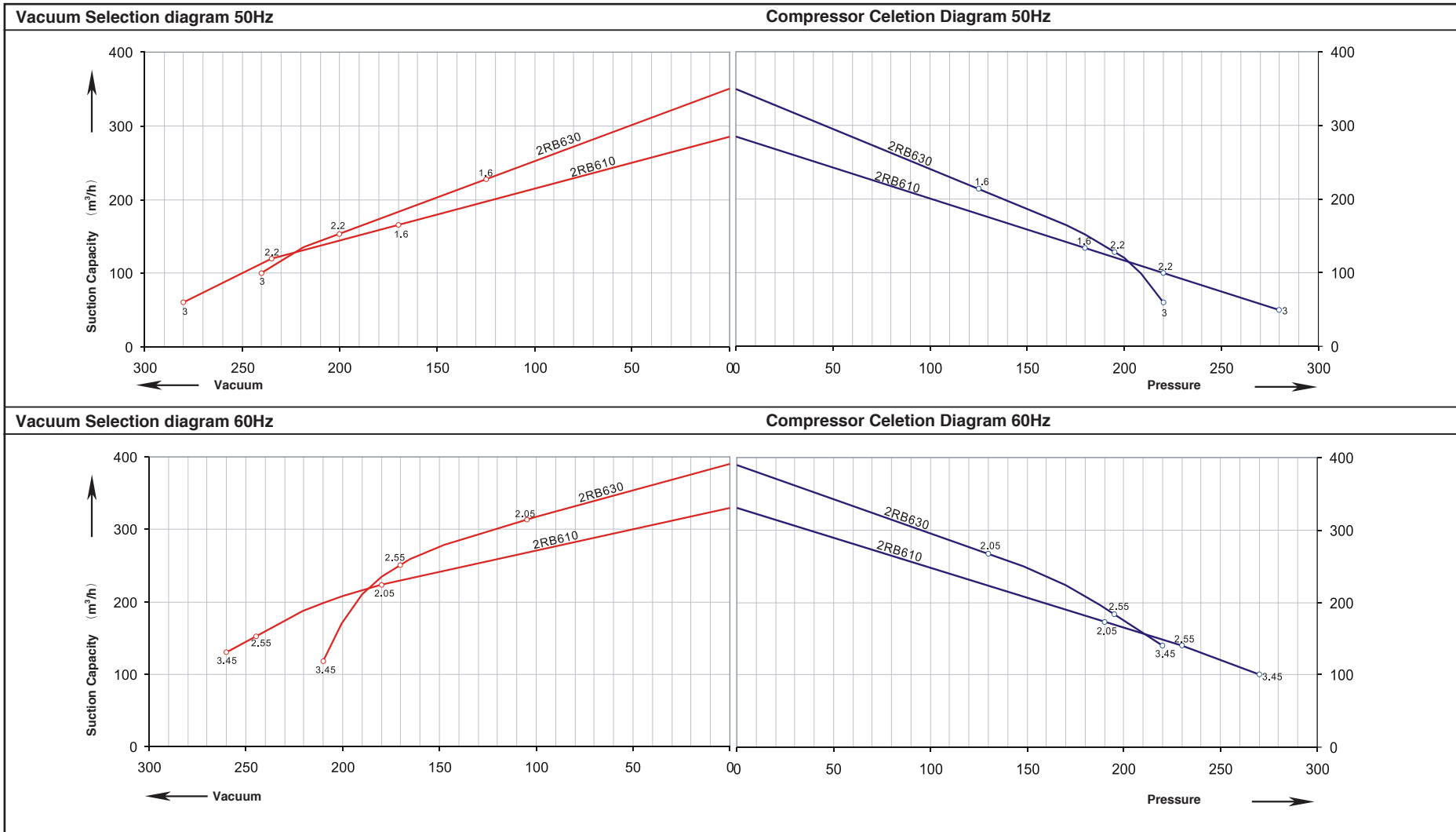
Selection and ordering data for side channel blowers in vacuum and pressure operation.

Order No. • available ex stock	MOTOR				Weight approx.	Sound- pressure	Maximum airflow	Maximum vacuum	Maximum pressure	Vacuum relief
	Fre- quency	rated								valve
		output	voltage	current						
	HZ	KW	V	A	kg	dB(A)	m <sup>3</sup> /h	mbar	mbar	
• 2RB 610-7AH06	50	1.6	200-240 △ /345-415	8.5 △ /4.9Y	25	68	265	-170	180	1x...2110/...2145
	60	2.05	220-275 △ /380-480	8.8 △ /5.1Y		70	315	-180	190	1x...2114/...2146
• 2RB 610-7AH16	50	2.2	200-240 △ /345-415	9.7 △ /5.6Y	28	69	265	-235	220	1x...2110/...2145
	60	2.55	220-275 △ /380-480	10.3 △ /6.0Y		72	315	-245	230	1x...2114/...2146
• 2RB 610-7AH26	50	3.0	200-240 △ /345-415	12.5 △ /7.2Y	34	69	265	-280	280	1x...2110/...2145
	60	3.45	220-275 △ /380-480	12.6 △ /7.3Y		72	315	-260	270	1x...2114/...2146
• 2RB 630-7AH06	50	1.6	200-240 △ /345-415	8.5 △ /4.9Y	26	70	345	-125	125	1x...2110/...2145
	60	2.05	220-275 △ /380-480	8.8 △ /5.1Y		73	415	-105	130	1x...2114/...2146
• 2RB 630-7AH16	50	2.2	200-240 △ /345-415	9.7 △ /5.6Y	29	70	345	-200	195	1x...2110/...2145
	60	2.55	220-275 △ /380-480	10.3 △ /6.0Y		73	415	-170	195	1x...2114/...2146
• 2RB 630-7AH26	50	3.0	345-415 △ /600-720	12.5 △ /7.2Y	35	70	345	-240	220	1x...2110/...2145
	60	3.45	380-480 △ /660-720	12.6 △ /7.3Y		73	415	-210	220	1x...2114/...2146

# 2RB6 Series Selection diagram 50/60Hz 3AC



The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .



# 2RB7 3AC

## G-Series

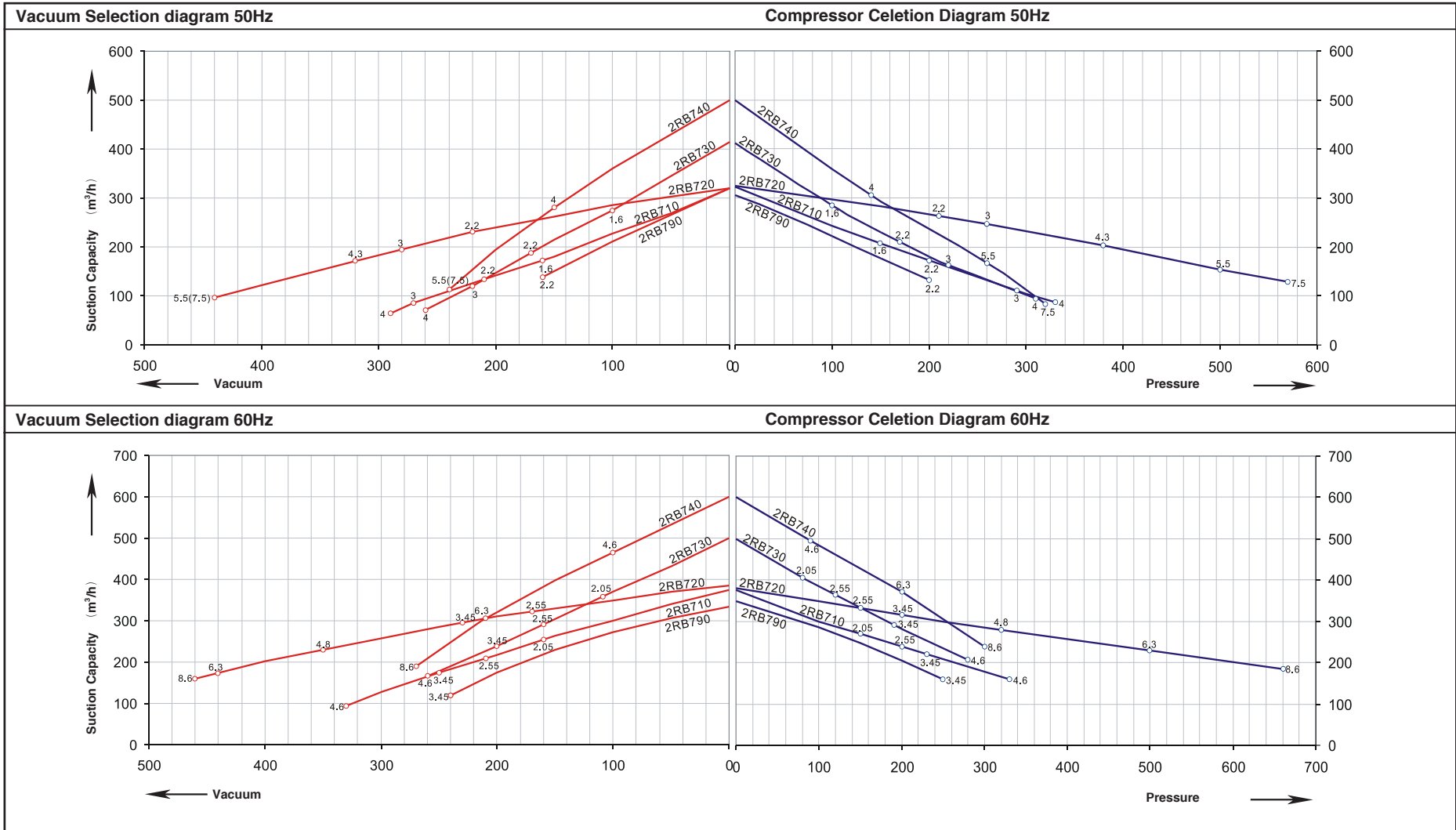
Selection and ordering data for side channel blowers in vacuum and pressure operation.

Order No. • available ex stock	MOTOR				Weight approx. kg	Sound- pressure dB(A)	Maximum airflow m <sup>3</sup> /h	Maximum vacuum mbar	Maximum pressure mbar	Vacuum relief
	Fre- quency HZ	rated								valve
		output KW	voltage V	current A						
• 2RB 710-7AH06	50	1.6	200-240 △ /345-415	8.5 △ /4.9Y	27	69	318	-160	150	1×...2110/...2145
	60	2.05	220-275 △ /380-480	8.8 △ /5.1Y		72	376	-160	150	1×...2114/...2146
• 2RB 710-7AH16	50	2.2	200-240 △ /345-415	9.7 △ /5.6Y	30	69	318	-210	200	1×...2110/...2145
	60	2.55	220-275 △ /380-480	10.3 △ /6.0Y		72	376	-210	200	1×...2114/...2146
• 2RB 710-7AH26	50	3.0	200-240 △ /345-415	12.5 △ /7.2Y	36	69	318	-270	290	1×...2110/...2145
	60	3.45	220-275 △ /380-480	12.6 △ /7.3Y		72	376	-250	230	1×...2114/...2146
• 2RB 710-7AH37	50	4.0	345-415 △ /600-720	9.0 △ /5.2Y	40	69	318	-290	330	1×...2110/...2145
	60	4.6	380-480 △ /660-720	9.0 △ /5.2Y		72	376	-230	330	1×...2114/...2146
• 2RB 720-7HH16	50	2.2	200-240 △ /345-415	9.7 △ /5.6Y	43	73	320	-220	210	1×2B×2110/...2145
	60	2.55	220-275 △ /380-480	10.3 △ /6.0Y		76	380	-170	150	2×2B×2114/...2146
• 2RB 720-7HH26	50	3.0	200-240 △ /345-415	12.5 △ /7.2Y	48	73	320	-280	260	1×2B×2110/...2145
	60	3.45	220-275 △ /380-480	12.6 △ /7.3Y		76	380	-230	200	2×2B×2114/...2146
• 2RB 720-7HH37	50	4.3	345-415 △ /600-720	10.0 △ /5.2Y	54	73	320	-360	380	1×2B×2110/...2145
	60	4.8	380-480 △ /660-720	10.4 △ /6.0Y		76	380	-350	320	1×2B×2114/...2146
• 2RB 720-7HH47	50	5.5	345-415 △ /600-720	13.3 △ /7.7Y	66	73	320	-440	500	1×2B×2110/...2145
	60	6.3	380-480 △ /660-720	13.3 △ /7.7Y		76	380	-440	500	1×2B×2114/...2146
• 2RB 720-7HH57	50	7.5	345-415 △ /600-720	16.7 △ /9.6Y	73	73	320	-440	570	1×2B×2110/...2145
	60	8.6	380-480 △ /660-720	17.3 △ /10.0Y		76	380	-460	660	1×2B×2114/...2146
• 2RB 730-7AH06	50	1.6	200-240 △ /345-415	8.5 △ /4.9Y	29	70	420	-100	100	1×...2110/...2145
	60	2.05	220-275 △ /380-480	8.8 △ /5.1Y		73	500	-110	80	3×...2114/...2146
• 2RB 730-7AH16	50	2.2	200-240 △ /345-415	9.7 △ /5.6Y	32	70	420	-170	170	1×...2110/...2145
	60	2.55	220-275 △ /380-480	10.3 △ /6.0Y		73	500	-160	120	2×...2114/...2146
• 2RB 730-7AH26	50	3.0	200-240 △ /345-415	12.5 △ /7.2Y	37	70	420	-220	220	1×...2110/...2145
	60	3.45	220-275 △ /380-480	12.6 △ /7.3Y		73	500	-200	190	2×...2114/...2146
• 2RB 730-7AH37	50	4.0	345-415 △ /600-720	9.0 △ /5.2Y	43	70	420	-260	310	1×...2110/...2145
	60	4.6	380-480 △ /660-720	9.0 △ /5.2Y		73	500	-260	280	2×...2114/...2146
• 2RB 740-7GH37	50	4.0	345-415 △ /600-720	9.0 △ /5.2Y	54	74	500	-150	140	1×2B×2110/...2145
	60	4.6	380-480 △ /660-720	9.0 △ /5.2Y		78	600	-100	90	2×2B×2114/...2146
• 2RB 740-7GH47	50	5.5	345-415 △ /600-720	13.3 △ /7.7Y	69	74	500	-240	260	1×2B×2110/...2145
	60	6.3	380-480 △ /660-720	13.3 △ /7.7Y		78	600	-210	200	2×2B×2114/...2146
• 2RB 740-7GH57	50	7.5	345-415 △ /600-720	16.7 △ /9.6Y	75	74	500	-240	320	1×2B×2110/...2145
	60	8.6	380-480 △ /660-720	17.3 △ /10.0Y		78	600	-270	300	1×2B×2114/...2146
• 2RB 790-7AH26	50	2.2	200-240 △ /345-415	12.5 △ /7.2Y	36	69	320	-160	200	-
	60	3.45	220-275 △ /380-480	12.6 △ /7.3Y		72	370	-240	250	-

# 2RB7 Series Selection diagram 50/60Hz 3AC



The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .



# 2RB8 3AC



## G-Series

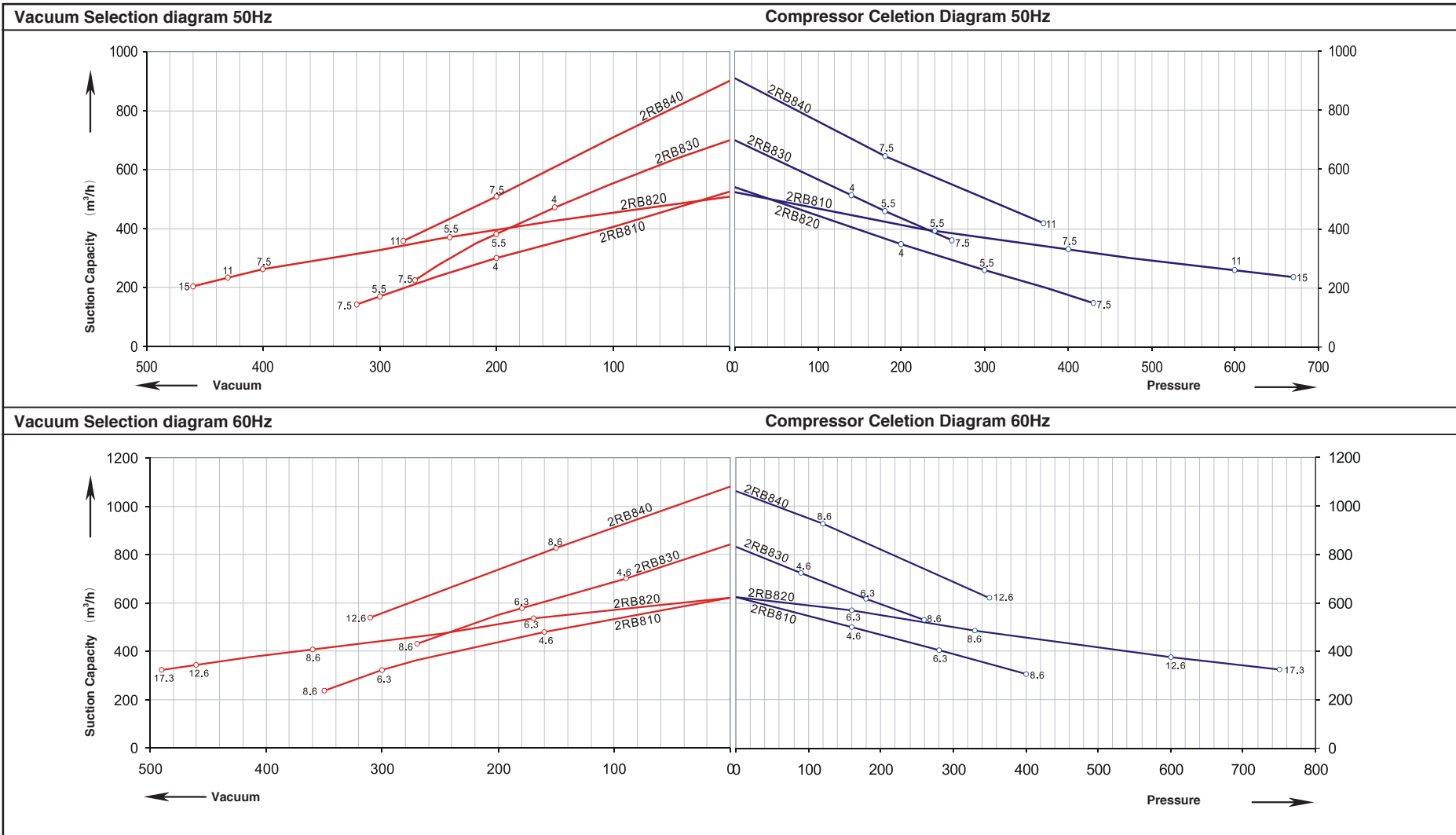
Selection and ordering data for side channel blowers in vacuum and pressure operation.

Order No. • available ex stock	MOTOR				Weight approx. kg	Sound- pressure dB(A)	Maximum airflow m <sup>3</sup> /h	Maximum vacuum mbar	Maximum pressure mbar	Vacuum relief
	Fre- quency HZ	rated								valve
		output KW	voltage V	current A						
• 2RB 810-7AH07	50	4.0	345-415 △ /600-720	9.5 △ /5.5Y	54	70	530	-200	200	1×2B×4740/...4840
	60	4.6	380-480 △ /660-720	9.5 △ /5.5Y		74	620	-160	160	1×2B×4744/...4844
• 2RB 810-7AH17	50	5.5	345-415 △ /600-720	12.9 △ /7.4Y	63	70	530	-300	300	1×2B×4740/...4840
	60	6.3	380-480 △ /660-720	12.9 △ /7.45Y		74	620	-300	280	1×2B×4744/...4844
• 2RB 810-7AH27	50	7.5	345-415 △ /600-720	16.7 △ /9.6Y	66	70	530	-320	430	1×2B×4740/...4840
	60	8.6	380-480 △ /660-720	17.3 △ /10.0Y		74	620	-350	400	1×2B×4744/...4844
• 2RB 820-7HH17	50	5.5	345-415 △ /600-720	13.3 △ /7.7Y	83	74	520	-240	240	1×2B×4740/...4840
	60	6.3	380-480 △ /660-720	13.3 △ /7.7Y		78	620	-170	160	1×2B×4744/...4844
• 2RB 820-7HH27	50	7.5	345-415 △ /600-720	16.7 △ /9.6Y	86	74	520	-400	400	1×2B×4740/...4840
	60	8.6	380-480 △ /660-720	17.3 △ /10.0Y		78	620	-360	330	2×2B×4744/...4844
• 2RB 820-7HH37	50	11.0	345-415 △ /600-720	28.0 △ /16.2Y	104	74	520	-430	600	1×2B×4740/...4840
	60	12.6	380-480 △ /660-720	29.0 △ /16.7Y		78	620	-460	600	2×2B×4744/...4844
• 2RB 820-7HH47	50	15.0	345-415 △ /600-720	32.5 △ /18.8Y	120	74	520	-460	670	1×2B×4740/...4840
	60	17.3	380-480 △ /660-720	34.5 △ /19.9Y		78	620	-490	750	1×2B×4744/...4844
• 2RB 830-7AH07	50	4.0	345-415 △ /600-720	9.5 △ /5.5Y	57	70	700	-150	140	1×2B×2110/...2145
	60	4.6	380-480 △ /660-720	9.5 △ /5.5Y		74	840	-90	90	1×2B×4744/...4844
• 2RB 830-7AH17	50	5.5	345-415 △ /600-720	12.9 △ /7.4Y	66	70	700	-200	180	1×2B×2110/...2145
	60	6.3	380-480 △ /660-720	12.9 △ /7.45Y		74	840	-180	180	1×2B×4744/...4844
• 2RB 830-7AH27	50	7.6	345-415 △ /600-720	16.7 △ /9.6Y	69	70	700	-270	260	1×2B×2110/...2145
	60	8.6	380-480 △ /660-720	17.3 △ /10.0Y		74	840	-270	260	1×2B×4744/...4844
• 2RB 840-7HH27	50	7.5	345-415 △ /600-720	16.7 △ /9.6Y	91	74	900	-200	180	1×2B×4740/...4840
	60	8.6	380-480 △ /660-720	17.3 △ /10.0Y		78	1050	-150	120	1×2B×4744/...4844
• 2RB 840-7HH37	50	11.0	345-415 △ /600-720	28.0 △ /16.2Y	110	74	900	-280	370	1×2B×4740/...4840
	60	12.6	380-480 △ /660-720	29.0 △ /16.7Y		78	1050	-310	350	1×2B×4744/...4844

# 2RB8 Series Selection diagram 50/60Hz 3AC



The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .





# 2RB9 3AC

## G-Series

Selection and ordering data for side channel blowers in vacuum and pressure operation.

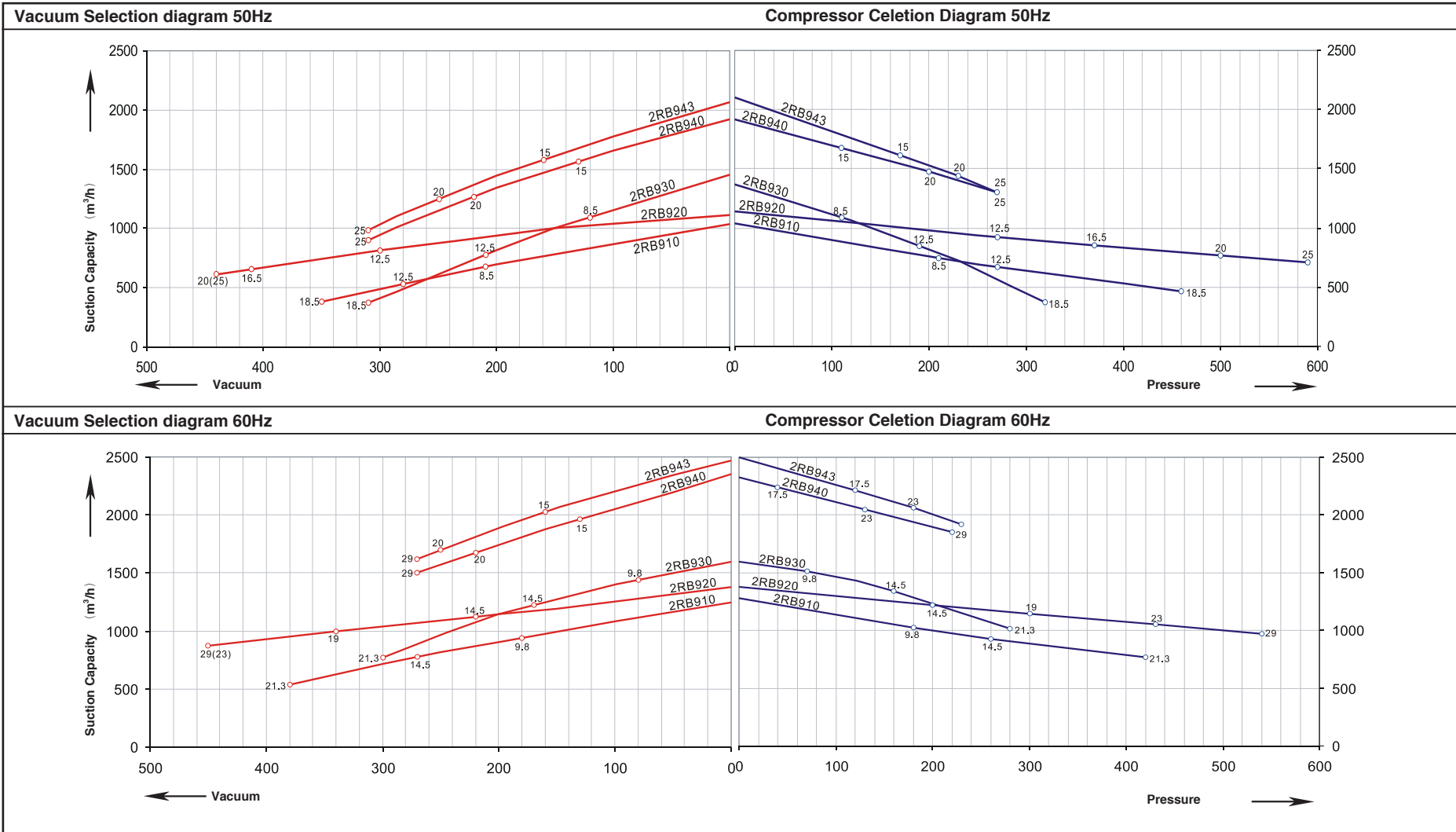
Order No. • available ex stock	MOTOR				Weight approx. kg	Sound- pressure dB(A)	Maximum airflow m <sup>3</sup> /h	Maximum vacuum mbar	Maximum pressure mbar	Vacuum relief
	Fre- quency HZ	rated								valve
		output KW	voltage V	current A						
• 2RB 910-7AH07	50	8.5	345-415 △ /600-720	18.2 △ /10.5Y	93	74	1050	-210	210	1×...750/...860
	60	9.8	380-480 △ /660-720	18.2 △ /10.5Y		79	1250	-180	180	1×...754/...864
• 2RB 910-7AH17	50	12.5	345-415 △ /600-720	28.0 △ /16.2Y	116	74	1050	-280	270	1×...750/...860
	60	14.5	380-480 △ /660-720	29.0 △ /16.7Y		79	1250	-270	260	1×...754/...864
• 2RB 910-7AH37	50	18.5	345-415 △ /600-720	37.0 △ /21.0Y	126	74	1050	-340	460	1×...750/...860
	60	21.3	380-480 △ /660-720	39.0 △ /22.5Y		79	1250	-380	420	1×...754/...864
• 2RB 920-7HH17	50	12.5	345-415 △ /600-720	28.0 △ /16.2Y	187	74	1110	-300	270	1×...750/...860
	60	14.5	380-480 △ /660-720	29.0 △ /16.7Y		78	1310	-220	200	1×...754/...864
• 2RB 920-7HH27	50	16.5	345-415 △ /600-720	35.0 △ /20.0Y	197	74	1110	-410	370	1×...750/...860
	60	19.0	380-480 △ /660-720	36.5 △ /21.0Y		78	1310	-340	300	1×...754/...864
• 2RB 920-7HH37	50	20.0	345-415 △ /600-720	40.0 △ /23.0Y	204	74	1110	-440	500	1×...750/...860
	60	23.0	380-480 △ /660-720	42.0 △ /24.2Y		78	1310	-440	430	1×...754/...864
• 2RB 920-7HH47	50	25.0	345-415 △ /600-720	52.0 △ /30.0Y	211	74	1110	-440	590	1×...750/...860
	60	29.0	380-480 △ /660-720	52.0 △ /30.0Y		78	1310	-440	540	1×...754/...864
• 2RB 930-7AH07	50	8.5	345-415 △ /600-720	18.2 △ /10.5Y	98	75	1370	-120	110	2×...750/1×...880
	60	9.8	380-480 △ /660-720	18.2 △ /10.5Y		80	1650	-80	70	2×...754/1×...864
• 2RB 930-7AH17	50	12.5	345-415 △ /600-720	28.0 △ /16.2Y	121	75	1370	-210	190	1×...750/...880
	60	14.5	380-480 △ /660-720	29.0 △ /16.7Y		80	1650	-170	160	1×...754/...864
• 2RB 930-7AH37	50	18.5	345-415 △ /600-720	37.0 △ /21.0Y	131	75	1370	-310	320	1×...750/...880
	60	21.3	380-480 △ /660-720	39.0 △ /22.5Y		80	1650	-300	280	1×...754/...864
• 2RB 940-7BH27	50	15.0	345-415 △ /600-720	35.0 △ /20.0Y	187	75	1940	-130	110	2×...750/1×...880
	60	17.5	380-480 △ /660-720	36.5 △ /21.0Y		84	2310	-60	40	2×...754/1×...864
• 2RB 940-7BH37	50	20.0	345-415 △ /600-720	40.0 △ /23.0Y	212	75	1940	-220	200	2×...750/1×...880
	60	23.0	380-480 △ /660-720	42.0 △ /24.2Y		84	2310	-160	130	2×...754/1×...864
• 2RB 940-7BH47	50	25.0	345-415 △ /600-720	52.0 △ /30.0Y	219	75	1940	-310	270	1×...750/...880
	60	29.0	380-480 △ /660-720	52.0 △ /30.0Y		84	2310	-270	220	1×...754/...864
• 2RB 943-7BH27 <sup>1)</sup>	50	15.0	345-415 △ /600-720	35.0 △ /20.0Y	220	75	2050	-160	170	2×...750/1×...870
	60	17.5	380-480 △ /660-720	36.5 △ /21.0Y		84	2480	-110	120	2×...754/1×...874
• 2RB 943-7BH37 <sup>1)</sup>	50	20.0	345-415 △ /600-720	40.0 △ /23.0Y	230	75	2050	-250	230	2×...750/1×...870
	60	23.0	380-480 △ /660-720	42.0 △ /24.2Y		84	2480	-190	180	2×...754/1×...874
• 2RB 943-7BH47 <sup>1)</sup>	50	25.0	345-415 △ /600-720	52.0 △ /30.0Y	235	75	2050	-310	270	2×...750/1×...870
	60	29.0	380-480 △ /660-720	52.0 △ /30.0Y		84	2480	-270	230	2×...754/1×...874

1) 仅安装在末端板 - mounting on the end-casing only

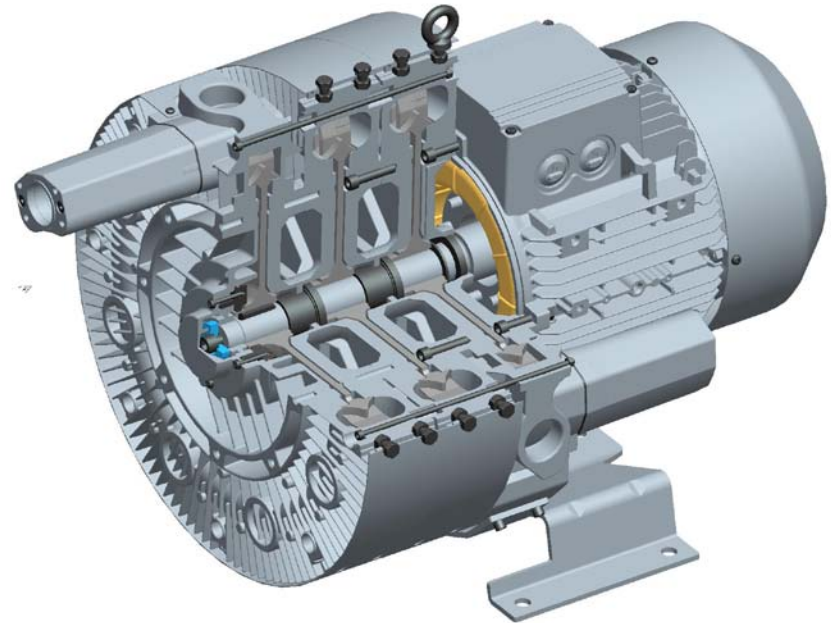
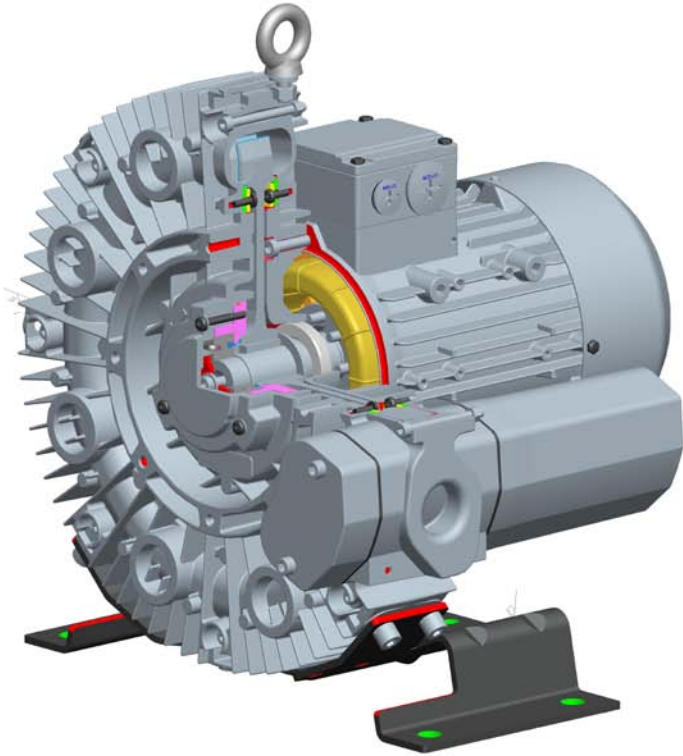
# 2RB9 Series Selection diagram 50/60Hz 3AC



The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .



## G-200 Single and double stage



## UNSURPASSED AT HIGHEST DIFFERENTIAL PRESSURE

Our revolutionary G\_400 blower can create pressure difference of up to 1000mbar-more than any other gas ring pump. So far, the systems used to reach these differential pressure ranges were much louder and larger-or subject to wear. Now the advantage of wear-free operation coupled with a low noise level can also be used in most demanding applications.

The G\_400 series side channel vacuum pump/compressor can work up to 20,000 hours without maintenance down time.

These specialist machines have proven their reliability under the harshest of conditions. Their noise level was already impressively low, but our engineers and designers are able to make them even more quiet.

Selection diagrams and tables for G\_400                      Pages 27-32  
Vacuum and pressure mode, 50Hz and 60Hz  
Details on voltages, footnotes etc see                      Page 55



## G-Series

Selection and ordering data for side channel blowers in vacuum and pressure operation(Single phase)

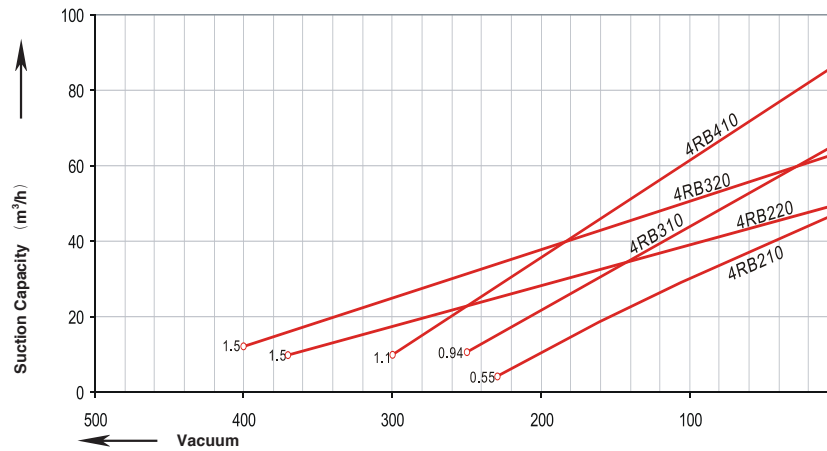
Order No. • available ex stock	MOTOR				Weight approx. kg	Sound- pressure dB(A)	Maximum airflow m <sup>3</sup> /h	Maximum vacuum mbar	Maximum pressure mbar	Vacuum relief
	Fre- quency HZ	rated								valve
		output KW	voltage V	current A						
• 4RB 210-0AV75-7	50	0.55	115/230	13/3.1	18	57	47	-230	290	1x...2110/...2141
	60	0.63	115/230	14.2/7.1		62	57	-270	320	1x...2114/...2142
• 4RB 220-0AV75-7	50	1.5	115/230	19.4/9.7	30	58	47	-370	600	1x...2110/...2141
	60	1.75	115/230	20.6/10.3		62	60	-420	660	1x...2114/...2142
• 4RB 310-0AV71-7	50	0.94	230	9	18	57	66	-250	350	1x...2110/...2141
• 4RB 310-0AV75-7	50	0.94	115/230	15.2/7.6	18	57	66	-250	350	1x...2110/...2141
	60	1.1	115/230	18/9		62	80	-280	390	1x...2114/...2142
• 4RB 320-0AV75-7	50	1.5	115/230	19.4/9.7	32	59	65	-400	550	1x...2110/...2141
	60	1.75	115/230	20.6/10.3		63	76	-390	540	1x...2114/...2142
• 4RB 410-0AA41-7	50	1.1	230	10.1	23	58	87	-300	380	1x...2110/...2141
• 4RB 410-0AB46-7	60	1.3	115	20	23	63	105	-350	390	1x...2114/...2142

# 4RB Series Selection diagram 50/60Hz 1AC

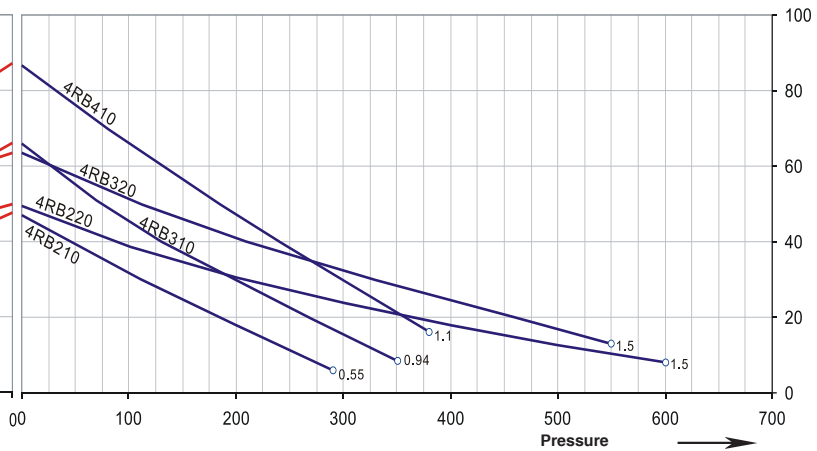


The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .

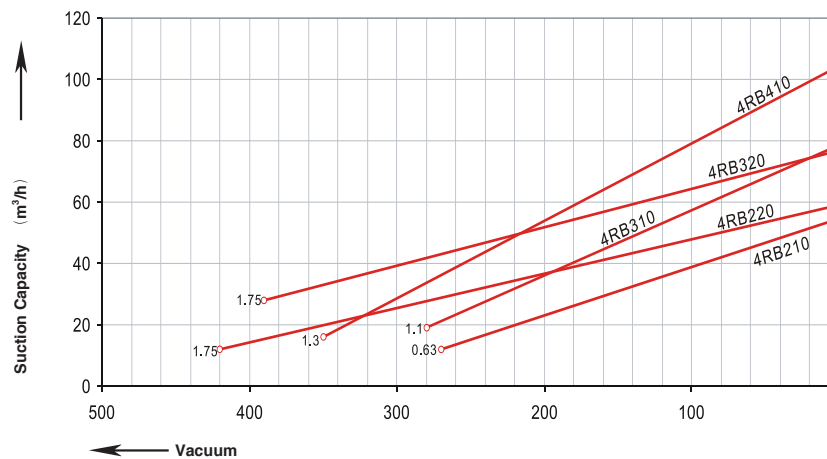
Vacuum Selection diagram 50Hz



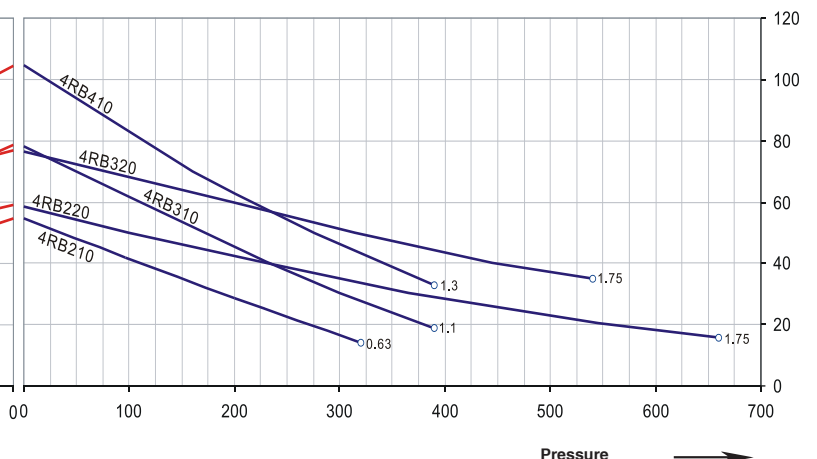
Compressor Celetion Diagram 50Hz



Vacuum Selection diagram 60Hz



Compressor Celetion Diagram 60Hz





## G-Series

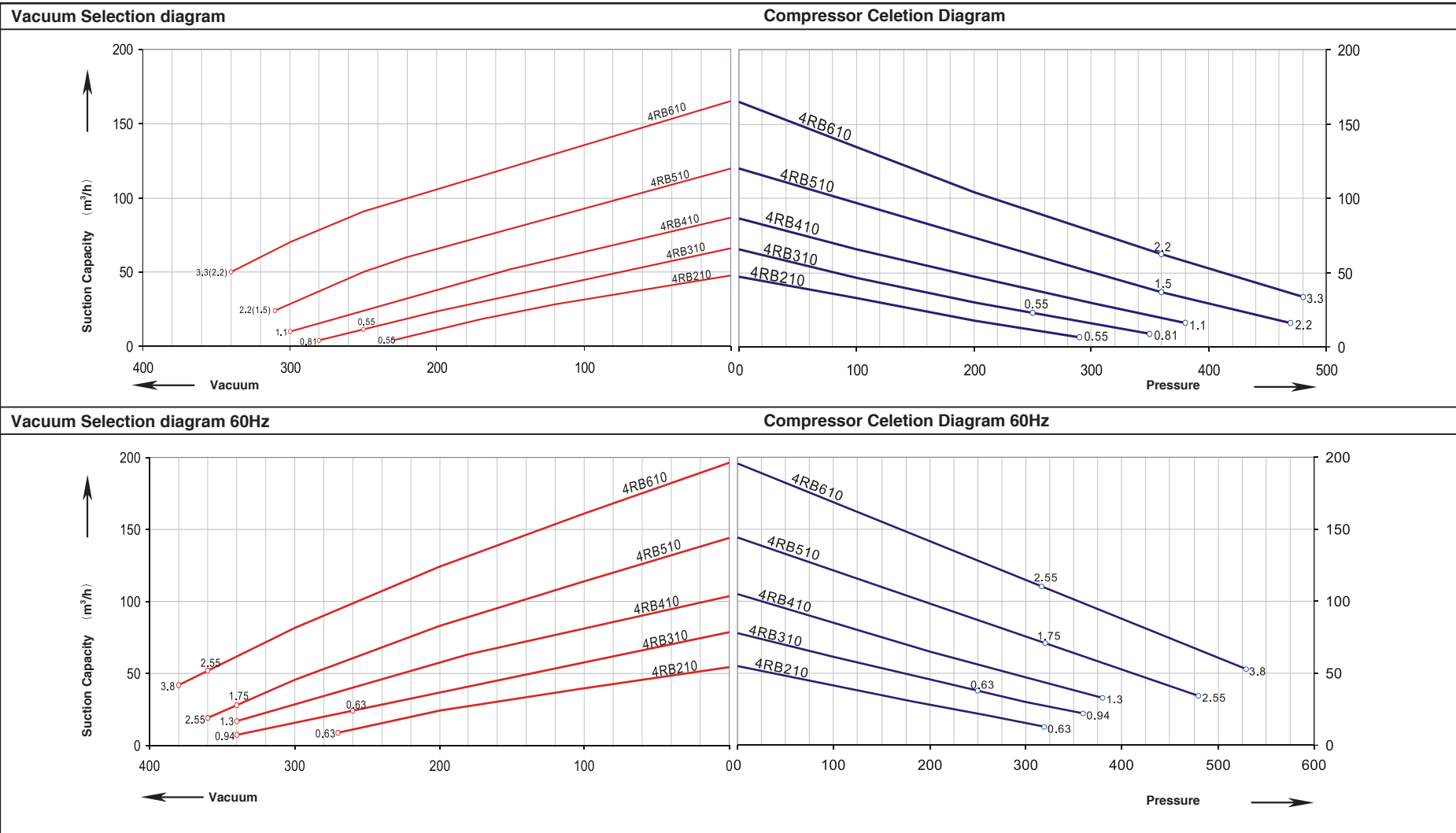
Selection and ordering data for side channel blowers in vacuum and pressure operation(Three phase single stage)

Order No. • available ex stock	MOTOR				Weight approx.	Sound- pressure	Maximum airflow	Maximum vacuum	Maximum pressure	Vacuum relief
	Fre- quency	rated								valve
		output	voltage	current						Items× type
	HZ	KW	V	A	kg	dB(A)	m <sup>3</sup> /h	mbar	mbar	
• 4RB 210-0AH16-7	50	0.55	200-240 △ /345-415	2.8 △ /1.6Y	16	57	47	-230	290	1×...2110/...2141
	60	0.63	220-275 △ /380-480	3 △ /1.7Y		62	57	-270	320	1×...2114/...2142
• 4RB 310-0AH16-7	50	0.55	200-240 △ /345-415	2.8 △ /1.6Y	16	57	66	-250	250	1×...2110/...2141
	60	0.63	220-275 △ /380-480	3 △ /1.7Y		62	80	-260	250	1×...2114/...2142
• 4RB 310-0AH26-7	50	0.81	200-240 △ /345-415	4 △ /2.3Y	17	57	66	-280	350	1×...2110/...2141
	60	0.94	220-275 △ /380-480	4 △ /2.3Y		62	80	-340	360	1×...2114/...2142
• 4RB 410-0AH16-7	50	1.1	200-240 △ /345-415	5.4 △ /3.1Y	23	58	87	-300	380	1×...2110/...2141
	60	1.3	220-275 △ /380-480	5.4 △ /3.1Y		62	105	-340	370	1×...2114/...2142
• 4RB 510-0AH16-8	50	1.5	200-240 △ /345-415	7.5 △ /4.3Y	26	64	120	-310	360	1×...2110/...2141
	60	1.75	220-275 △ /380-480	7.6 △ /4.4Y		68	145	-340	320	1×...2114/...2142
• 4RB 510-0AH26-8	50	2.2	345-415 △ /600-720	11.4 △ /6.6Y	29	64	120	-310	470	1×...2110/...2141
	60	2.55	380-480 △ /660-720	11.2 △ /6.5Y		68	145	-360	480	1×...2114/...2142
• 4RB 610-0AH16-8	50	2.2	200-240 △ /345-415	11.4 △ /6.6Y	32	65	165	-340	360	1×...2110/...2141
	60	2.55	220-275 △ /380-480	11.2 △ /6.5Y		71	195	-360	315	1×...2114/...2142
• 4RB 610-0AH36-8	50	3.3	200-240 △ /345-415	13 △ /7.5Y	35	65	165	-340	480	1×...2110/...2141
	60	3.8	220-275 △ /380-480	14.2 △ /8.2Y		71	195	-380	530	1×...2114/...2142

# 4RB Series Selection diagram 50/60Hz 3AC



The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .







## G-Series

Selection and ordering data for side channel blowers in vacuum and pressure operation(Multi-stage)

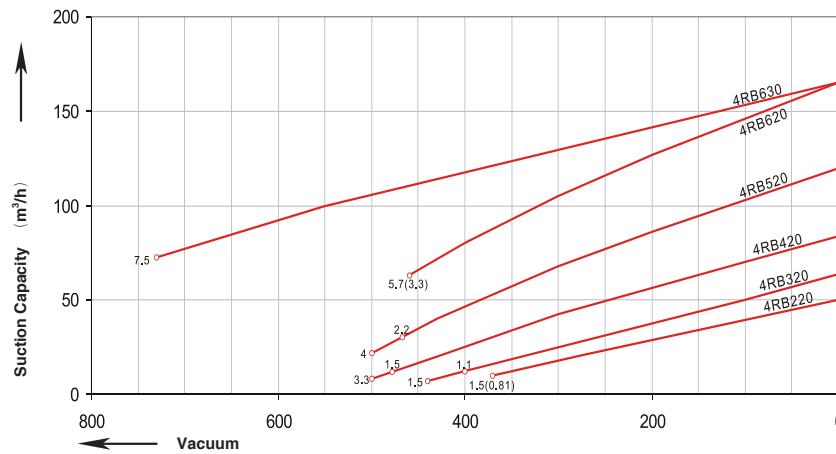
Order No. • available ex stock	MOTOR				Weight approx. kg	Sound- pressure dB(A)	Maximum airflow m <sup>3</sup> /h	Maximum vacuum mbar	Maximum pressure mbar	Vacuum relief
	Fre- quency HZ	rated								valve
		output KW	voltage V	current A						
• 4RB 220-0AH26-7	50	0.81	200-240 △ /345-415	4 △ /2.3Y	24	58	47	-370	490	1x...2110/...2141
	60	0.94	220-275 △ /380-480	4 △ /2.3Y		62	60	-440	480	1x...2114/...2142
• 4RB 220-0AH56-7	50	1.5	200-240 △ /345-415	7.5 △ /4.3Y	28	58	47	-370	650	1x...2110/...2141
	60	1.75	220-275 △ /380-480	7.6 △ /4.4Y		62	60	-500	740	1x...2114/...2142
• 4RB 320-0AH46-7	50	1.1	200-240 △ /345-415	5.4 △ /3.1Y	29	59	65	-400	480	1x...2110/...2141
	60	1.3	220-275 △ /380-480	5.4 △ /3.1Y		63	76	-480	480	1x...2114/...2142
• 4RB 320-0AH56-7	50	1.5	200-240 △ /345-415	7.5 △ /4.3Y	30	59	65	-440	540	1x...2110/...2141
	60	1.75	220-275 △ /380-480	7.6 △ /4.4Y		63	76	-560	600	1x...2114/...2142
• 4RB 420-0AH26-7	50	1.5	200-240 △ /345-415	7.5 △ /4.3Y	33	61	87	-480	450	1x...2110/...2141
	60	1.75	220-275 △ /380-480	7.6 △ /4.4Y		66	105	-430	410	1x...2114/...2142
• 4RB 420-0AH56-7	50	3.3	200-240 △ /345-415	13 △ /7.5Y	39	61	87	-500	750	1x...2110/...2141
	60	3.8	220-275 △ /380-480	13.8 △ /8Y		66	105	-510	850	1x...2114/...2142
• 4RB 520-0AH26-8	50	2.2	200-240 △ /345-415	11.4 △ /6.6Y	40	64	120	-470	460	1x...2110/...2141
	60	2.55	220-275 △ /380-480	11.2 △ /6.5Y		70	145	-500	450	1x...2114/...2142
• 4RB 520-0AH77-8	50	4	345-415 △	9 △	51	65	120	-500	820	1x...2110/...2141
	60	4.6	380-480 △	9.5 △		71	145	-530	810	1x...2114/...2142
• 4RB 620-0AH36-8	50	3.3	200-240 △ /345-415	13 △ /7.5Y	48	67	165	-460	500	1x...2110/...2141
	60	3.8	220-275 △ /380-480	14.2 △ /8.2Y		71	195	-480	420	1x...2114/...2142
• 4RB 620-0AH57-8	50	5.7	345-415 △	12.5 △	65	68	165	-460	740	1x...2110/...2141
	60	6.6	380-480 △	12 △		72	195	-480	840	1x...2114/...2142
• 4RB 630-0AH67-8	50	7.5	345-415 △	16 △	86	72	170	-730	1040	1x...2110/...2141
	60	8.6	380-480 △	16 △		76	200	-700	1040	1x...2114/...2142

# 4RB Double/Multi-Stage Selection diagram 50/60Hz

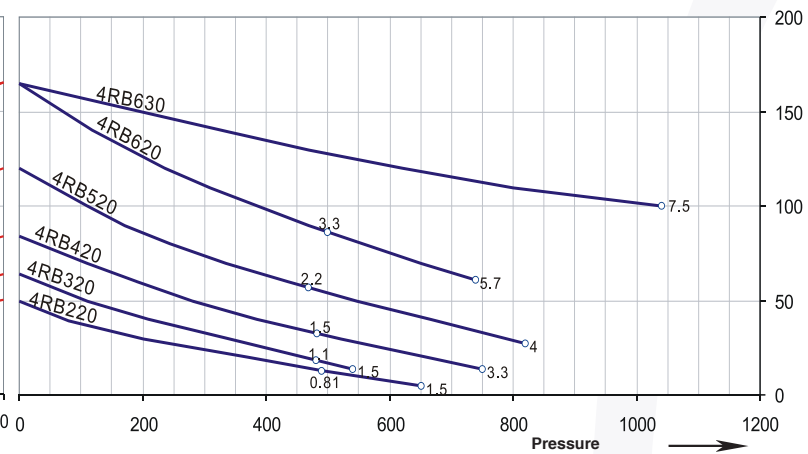


The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.013mbar and a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25°C .

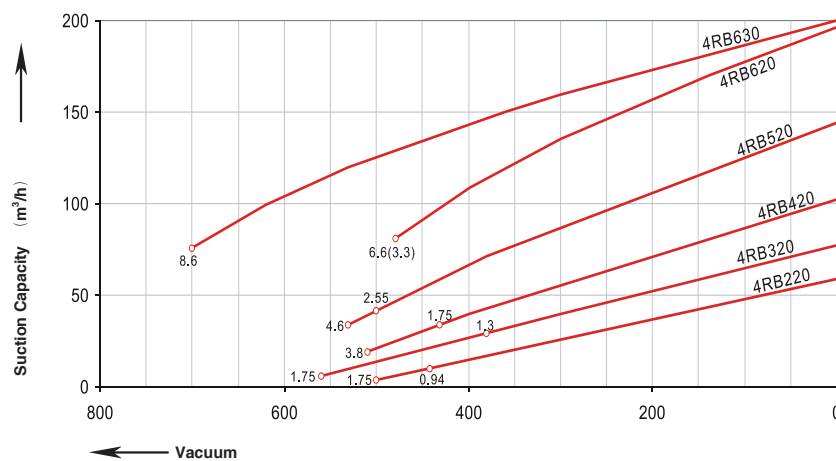
Vacuum Selection diagram 50Hz



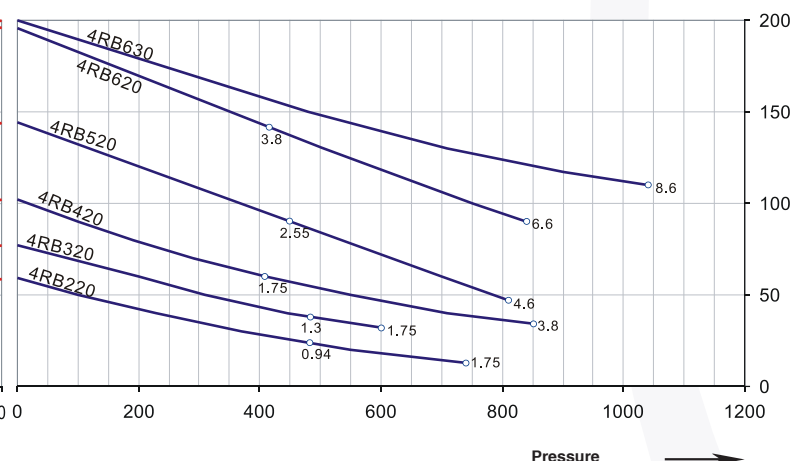
Compressor Celetion Diagram 50Hz



Vacuum Selection diagram 60Hz



Compressor Celetion Diagram 60Hz



## Dimension



Dimension drawings

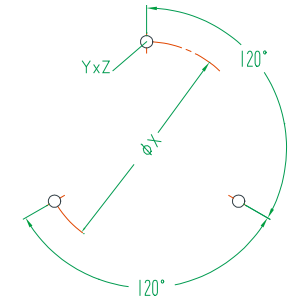
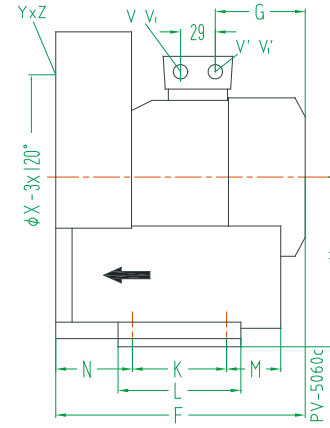
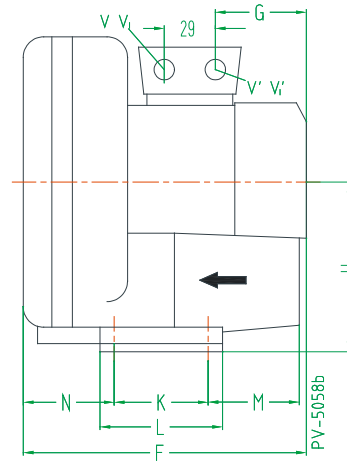
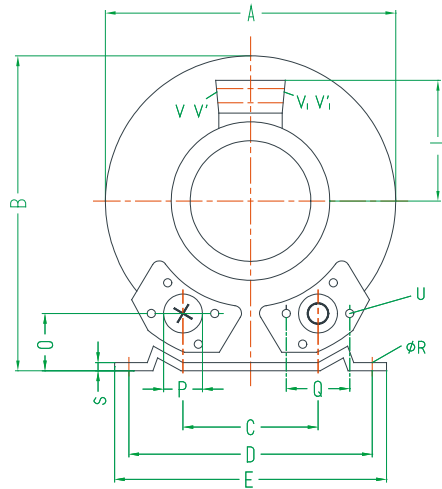
G\_200 \_\_\_\_\_ 34-42

G\_400 \_\_\_\_\_ 43-44

# Dimensions for side channel blowers 2RB210.,2RB230.,2RB310.,2RB330.(mm)



## 2RB210./2RB230./2RB310./2RB330.

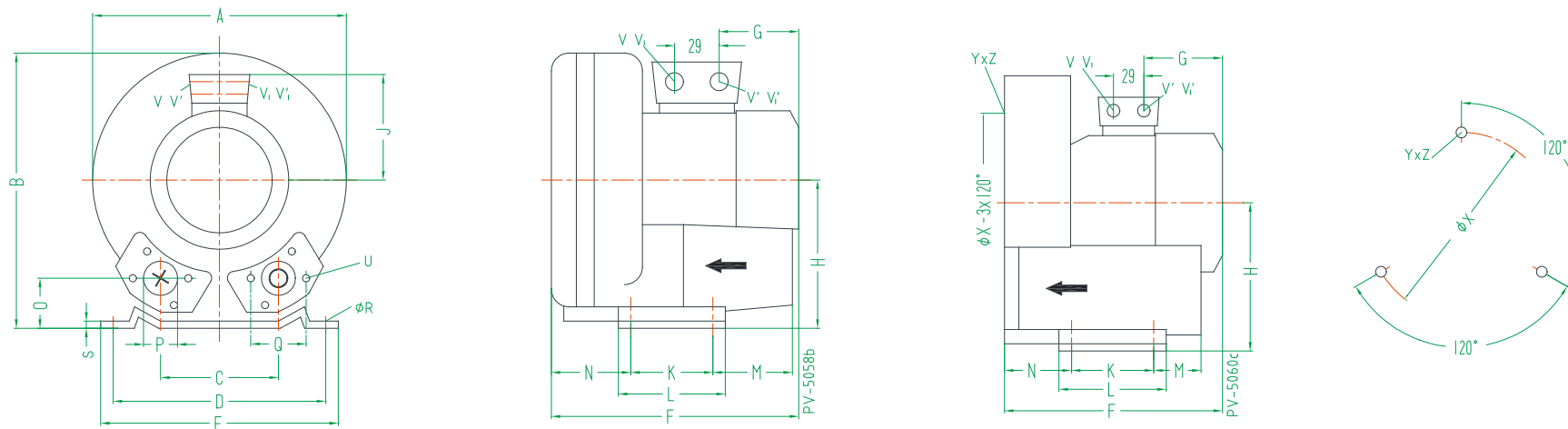


Type	Phases																			X-Holes							
型号	相位	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V <sub>(1-)</sub>	V' <sub>(1-)</sub>	V <sub>(3-)</sub>	V' <sub>(3-)</sub>	YxZ	ØX	
2RB 210-7AH06	3~	246	247	90	205	230	219	92	128	101	83	108	75	71	39	G1 <sub>1/4</sub> (15tief-deep)	64	10	2.5	M6x17	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	140
2RB 210-7AV15	1~						256	135		111											M16x1.5	M25x1.5	-	-			
2RB 210-7AH16	3~																				-	-	M25x1.5	M16x1.5			
2RB 210-7AA11	1~																				M16x1.5	M25x1.5	-	-			
2RB 230-7AH06	3~						242	102		101				82							-	-	M25x1.5	M16x1.5			
2RB 230-7AH16	3~						267	135		111											-	-					
2RB 230-7AH26	3~																				-	-					
2RB 230-7AV15	1~																				M16x1.5	M25x1.5	-	-			
2RB 230-7AA11	1~																				-	-					
2RB 310-7AH06	3~	268	272	93			260		141				82	69	41						-	-	M25x1.5	M16x1.5			160
2RB 310-7AH16	3~																				-	-					
2RB 310-7AA01	1~																				M25x1.5	M16x1.5	-	-			
2RB 310-7AA11	1~																				-	-					
2RB 330-7AH06	3~						276							85							-	-	M25x1.5	M16x1.5			
2RB 330-7AH16	3~																				-	-					
2RB 330-7AA11	1~																				M25x1.5	M16x1.5	-	-			

# Dimensions for side channel blowers 2RB410.,2RB430.,2RB490.(mm)



2RB410./2RB430./2RB490.

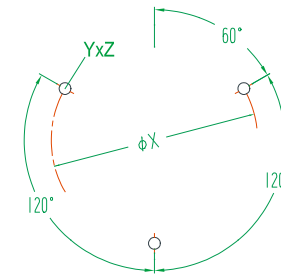
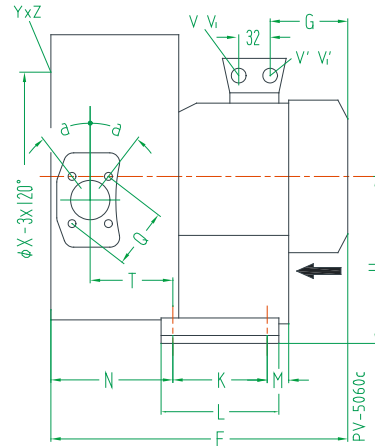
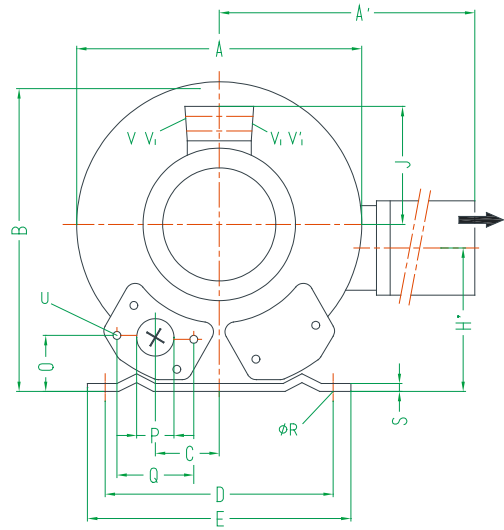


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	φR	S	U	V <sub>(1-)</sub>	V' <sub>(1-)</sub>	V <sub>(3-)</sub>	V' <sub>(3-)</sub>	YxZ	X-Holes	φX
型号	相位																										
2RB 410-7AA11	1~	286	302	115	225	255	294	160	154	120	95	130	70	75	46	G1½(15 tief-deep)	72	12	3	M6x19	M16x1.5	M25x1.5	-	-			174
2RB 410-7AA21	1~																										
2RB 410-7AV25	1~																										
2RB 410-7AH06	3~						269	135		111											-	-	M25x1.5	M16x1.5			
2RB 410-7AH16	3~						292	160		120											-	-					
2RB 410-7AH26	3~																				-	-					
2RB 430-7AA11	1~						311														M16x1.5	M25x1.5	-	-			
2RB 430-7AA21	1~																										
2RB 430-7AH06	3~						288	135		111											-	-	M25x1.5	M16x1.5			
2RB 430-7AH16	3~						311	160		120											-	-					
2RB 430-7AH26	3~																				-	-					
2RB 430-7AV25	1~																				M16x1.5	M25x1.5	-	-			
2RB 490-7AA11	1~						269	135		111																	
2RB 490-7AB16	1~																										
2RB 490-7AV25	1~						311	160		120																	
2RB 490-7AH16	3~																				-	-	M25x1.5	M16x1.5			

# Dimensions for side channel blowers 2RB220.,2RB320.,2RB420.(mm)



## 2RB220./2RB320./2RB420

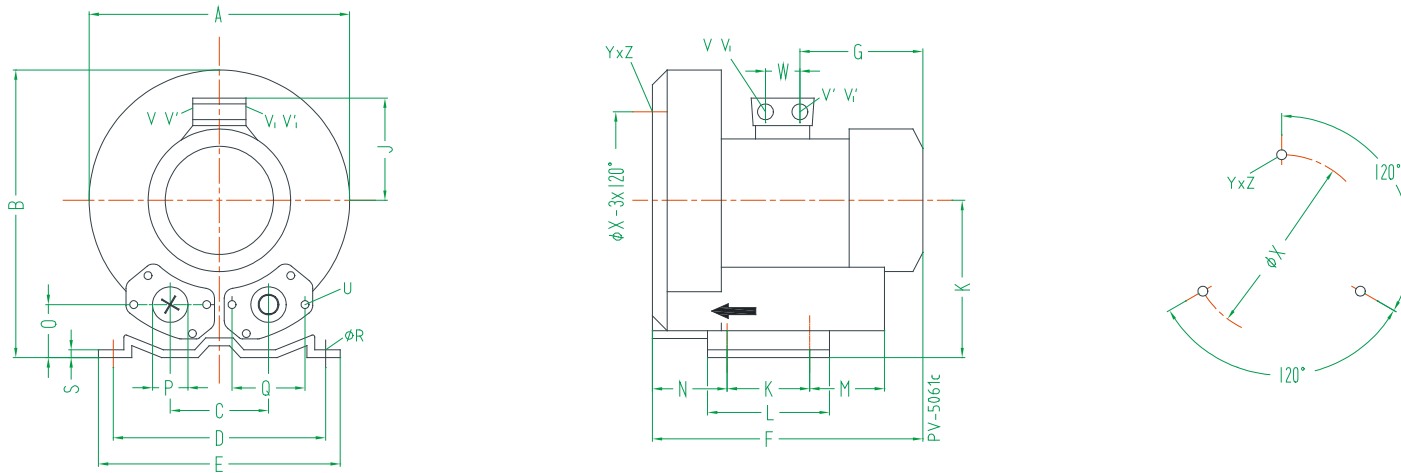


Type	Phases																								X-Holes							
型号	相位	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q	φR	S	T	U	V <sub>(1~)</sub>	V' <sub>(1~)</sub>	V <sub>(3~)</sub>	V' <sub>(3~)</sub>	α	φX	YxZ	X-Holes	
2RB 220-7HH26	3~	284	316	270	45	205	230	316	135	128	106	111	83	108	75	130	39	G1 <sub>1/4</sub> (15 tief/deep)	64	10	2.5	88	M6x17	-	-	M25x1.5	M16x1.5	27°	140	M6x15	51°/171°/291°	
2RB 320-7HH36	3~	293	324	286	47			354	160	141	114	120			82	138	41							-	-							
2RB 320-7HA31	1~																						M25x1.5	M16x1.5	-	-						
2RB 420-7HH36	3~	322	324	315	58	225	255	401	191	154	153	128	95	130	73	151	4/5	G1 <sub>1/2</sub> (15 tief/deep)	72	12	3	104	M6x19	-	-	M25x1.5	M16x1.5	28°	174			
2RB 420-7HH46	3~																							-	-							
2RB 420-7HA31	1~																						M16x1.5	M25x1.5	-	-						
2RB 420-7AV45	1~																															

# Dimensions for side channel blowers 2RB510.,2RB530.,2RB590.(mm)



2RB510./2RB530./2RB590.

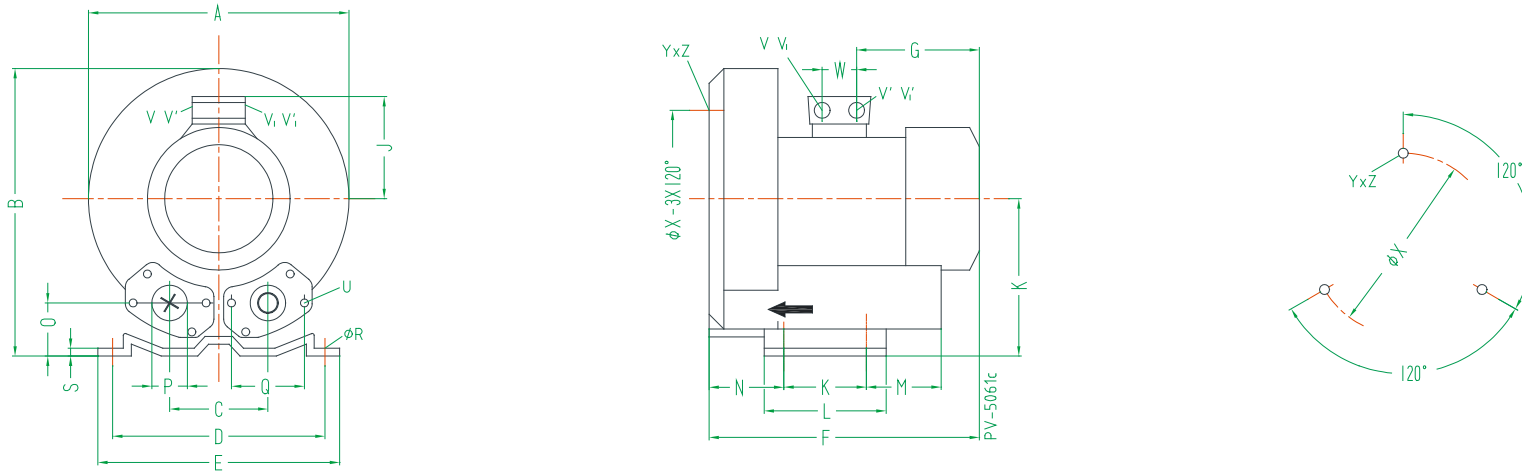


Type	Phases																					X-Holes						
型号	相位	A	B	C	D	E	F	G	H	J	K	L	M	N	O	φP	Q	φR	S	U	V <sub>(1~)</sub>		V' <sub>(1~)</sub>	V <sub>(3~)</sub>	V' <sub>(3~)</sub>	YxZ	φX	W
2RB 510-7AA11	1~	334	337	120	260	295	314	160	175	120	115	155	96	87	48	55	83	14	4	M8x17	M16x1.5	M25x1.5	-	-	M8x20	0°/120°/240°	200	29
2RB 510-7AA21	1~						345	191		128																		
2RB 510-7AV35	1~																											
2RB 510-7AH06	3~						314	160		120												-	-	M25x1.5	M16x1.5			
2RB 510-7AH16	3~						314	160		120												-	-					
2RB 510-7AH26	3~						346	191		128												-	-					
2RB 510-7AH36	3~																					-	-					
2RB 530-7AA11	1~						334	160		120											M16x1.5	M25x1.5	-	-				
2RB 530-7AA21	1~						365	191		128																		
2RB 530-7AH06	3~						334	160		120												-	-	M25x1.5	M16x1.5			
2RB 530-7AH16	3~																					-	-					
2RB 530-7AH26	3~						365	191		128												-	-					
2RB 530-7AH36	3~																					-	-					
2RB 530-7AV35	1~																					M16x1.5	M25x1.5	-	-			
2RB 590-7AA21	1~																											
2RB 590-7AB26	1~																											
2RB 590-7AH26	3~																					-	-	M25x1.5	M16x1.5			

# Dimensions for side channel blowers 2RB610.,2RB630.,2RB710.,2RB730.,2RB790.(mm)



## 2RB610./2RB630./2RB710/2RB730./2RB790



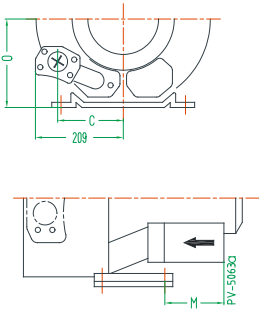
Type	Phases																					X-Holes						
型号	相位	A	B	C	D	E	F	G	H	J	K	L	M	N	O	φP	Q	φR	S	U	V(1~)	V'(1~)	V1(3~)	V'1(3~)	YxZ	φX	W	
2RB 610-7AH06	3~	360	366	122	284	325	354	191	192	128	140	180	64	74	56	56	93	13	4.5	M8x17	-	-	M25x1.5	M16x1.5	M8x20	0°/120°/240°	226	29
2RB 610-7AH16	3~																				-	-						
2RB 610-7AH26	3~						385	188		135											M32x1.5	M32x1.5	M32x1.5	M32x1.5				42
2RB 630-7AH06	3~						372	191		128											-	-	M25x1.5	M16x1.5				29
2RB 630-7AH16	3~																				-	-						
2RB 630-7AH26	3~						403	188		135											M32x1.5	M32x1.5	M32x1.5	M32x1.5				42
2RB 710-7AA11	1~	382	384	125	290		377	191	197	128			84	109	54	55	83	15			M25x1.5	M16x1.5	-	-	M10x20		240	29
2RB 710-7AH06	3~																				-	-	M25x1.5	M16x1.5				
2RB 710-7AH16	3~																				-	-						
2RB 710-7AH26	3~						409	188		135											M32x1.5	M32x1.5	M32x1.5	M32x1.5				42
2RB 710-7AH37	3~						432	209		148																		
2RB 730-7AH06	3~						387	191		128											M25x1.5	M16x1.5	-	-				29
2RB 730-7AH16	3~																											
2RB 730-7AH26	3~						419	189		135											M32x1.5	M32x1.5	M32x1.5	M32x1.5				42
2RB 730-7AH37	3~						432	209		148																		
2RB 790-7AH26	3~						377	185		128											-	-	M25x1.5	M16x1.5				29



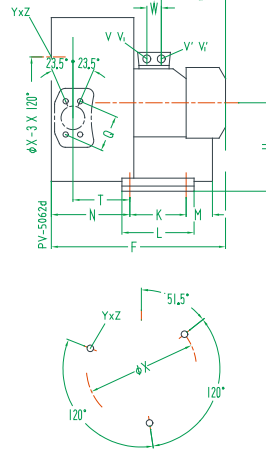
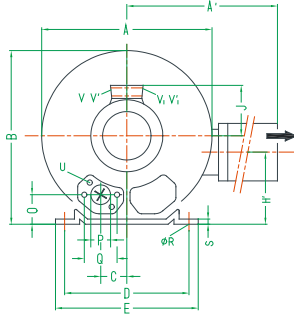
# Dimensions for side channel blowers 2RB520.,2RB720.,2RB740.(mm)



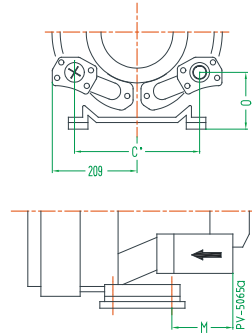
2RB 720.-...4.  
-...5.



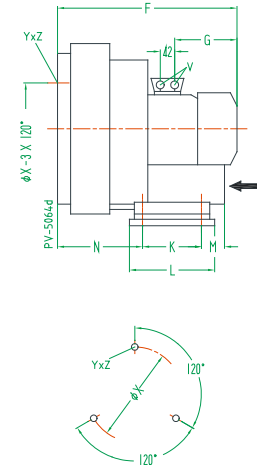
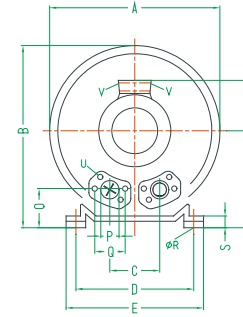
2RB 520.-...4. 2RB 720.-...1.  
-...5. -...2.  
-...3.



2RB 740.-...4.  
-...5.



2RB 740.-...3.



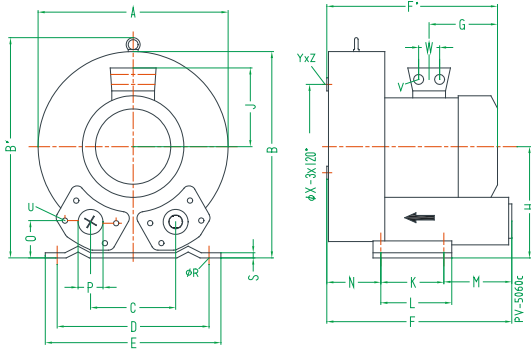
Type	Phases																									X-Holes					
型号	相位	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	ØP	Q	ØR	S	T	U	V	V'	V <sub>1</sub>	V' <sub>1</sub>	ØX	YxZ	W	
2RB 520-7HH46	3~	372	411	371	60	260	295	465	190	175	144	135	115	155	98	171	48	55	83	14	4	116	M8x17	M32x1.5	M32x1.5	M32x1.5	M32x1.5	200	M8x20	51.5°/171.5°/291.5°	42
2RB 520-7HH57	3~							499	224																						
2RB 720-7HH16	3~	426	426	410	63	290	325	473	191	197	162	128	140	180	84	205	53			15	4.5	130		M25x1.5	M16x1.5	-	-	240	M10x20	29	
2RB 720-7HH26	3~							496	188					135										M32x1.5	M32x1.5	M32x1.5	M32x1.5				42
2RB 720-7HH37	3~							526	209					148																	
2RB 720-7HH47	3~				154	290		571	226					167		200															
2RB 720-7HH57	3~																														

Type	Phases																					X-Holes				
型号	相位	A	B	C	C'	D	E	F	G	H	J	K	L	M	N	O	ØP	Q	ØR	S	U	V	ØX	YxZ	X-Holes	
2RB 740-7GH37	3~	420	410	125	-	290	325	526	209	197	148	140	180	84	205	153	55	83	15	64.5	M8x17	4 x M32x1.5	240	M10x20	0°/120°/240°	
2RB 740-7GH47	3~			-	308			571	226	257	167			200												
2RB 740-7GH57	3~			-																						

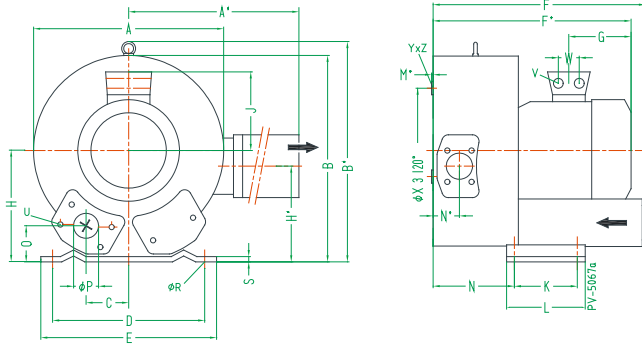
# Dimensions for side channel blowers 2RB810.,2RB820.,2RB830.,2RB840.(mm)



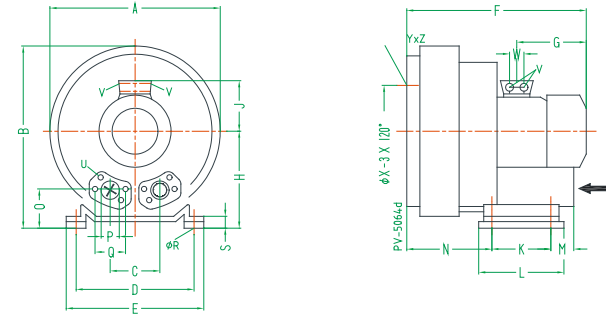
2RB 810./2RB 830.



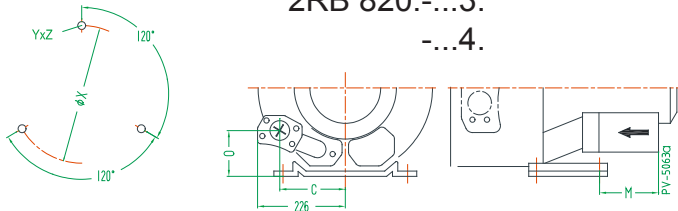
2RB 820.-...1.  
-...2.



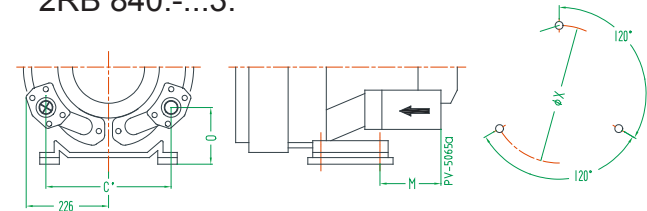
2RB 840.-...2.



2RB 820.-...3.  
-...4.



2RB 840.-...3.



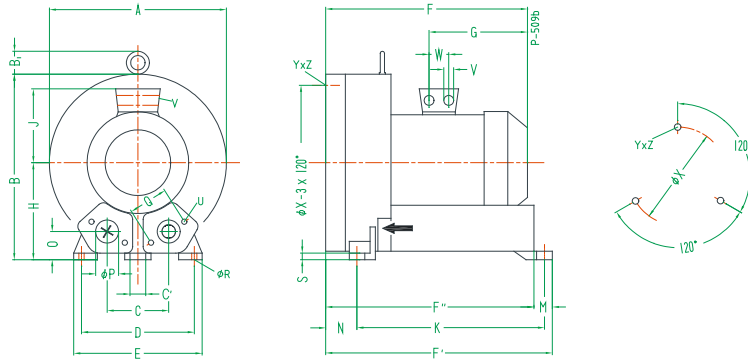
Type 型号	Phases 相位	A	A'	B	B'	C	D	E	F	F'	G	H	H'	J	K	L	M	N	N'	O	φP	φR	S	V	W	φX	YxZ	X-Holes
2RB 810-7AH07	3~	451	-	461	509	152	356	394	433	450	230	240	-	148	170	217	140	124	-	65	G2 <sub>1/2</sub>	15	6	4 x M32x1.5	42	286	M12x20	0°/120°/240°
2RB 810-7AH17	3~									477	226			167														
2RB 810-7AH27	3~																											
2RB 820-7HH17	3~	500	549	490	509	76			545	589			199				-	236	84									51.4°/120°/240°
2RB 820-7HH27	3~																											
2RB 820-7HH37	3~									694	318			197										4 x M40x1.5	54			
2RB 820-7HH47	3~																											
2RB 830-7AH07	3~	451	-	461	509	152			449	466	230			148			139	164	-	65				4 x M32x1.5	42			0°/120°/240°
2RB 830-7AH17	3~									492	247			167														
2RB 830-7AH27	3~																											

Type 型号	Phases 相位	A	B	C	C'	D	E	F	G	H	J	K	L	M	N	O	φP	φR	S	V	W	φX	YxZ	X-Holes
2RB 840-7GH27	3~	500	550	152	-	356	394	589	247	300	167	170	217	-	236	125	G2 <sub>1/2</sub>	15	66	4 x M32x1.5	42	286	M12x20	0°/120°/240°
2RB 840-7GH37	3~				336			694	318		197			312	212	165				4 x M40x1.5	54			

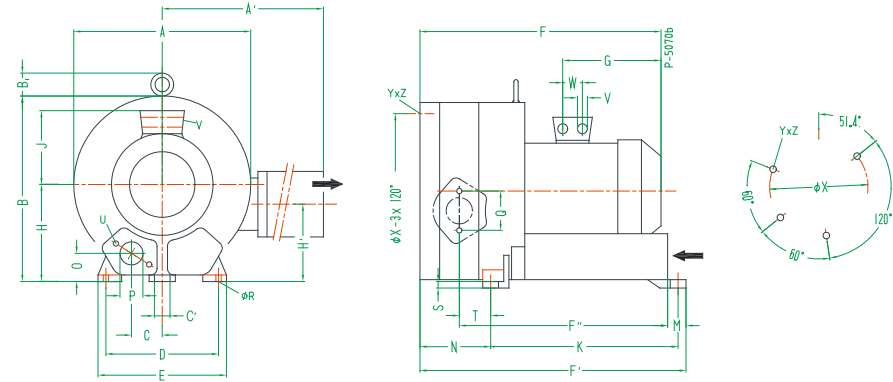
# Dimensions for side channel blowers 2RB910.,2RB920.,2RB930.(mm)



2RB910./2RB930.



2RB920.



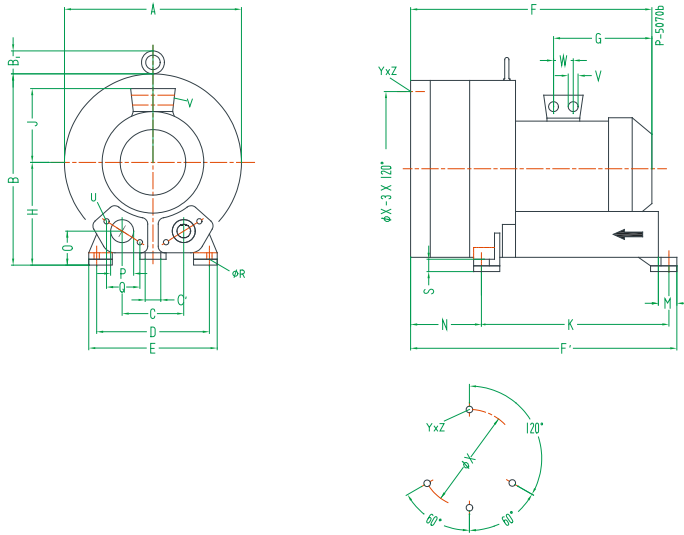
Type	Phases																									X-Holes		
型号	相位	A	B	B <sub>1</sub>	C	C'	D	E	F	F'	F''	G	H	J	K	M	N	O	øP	øR	S	U	V	W	øX	YxZ		
2RB 910-7AH07	3~	550	569	55	207	15	360	415	525	644	605	268	300	167	533	39	89	92	100	150	15	21	M12x30	4 x M32x1.5	42	490	M12x30	0°/120°/240°
2RB 910-7AH17	3~								611			345		197										4 x M40x1.5	54			
2RB 910-7AH37	3~																											
2RB 930-7AH07	3~								563	682	643	268		167			127							4 x M32x1.5	42			
2RB 930-7AH17	3~								649			345		197										4 x M40x1.5	54			
2RB 930-7AH37	3~																											

Type	Phases																									X-Holes					
型号	相位	A	A'	B	B <sub>1</sub>	C	C'	D	E	F	F'	F''	G	H	H'	J	K	M	N	O	øP	øQ	øR	S	T	U	V	W	øX	YxZ	
2RB 920-7HH17	3~	615	780	607	16	103.5	15	360	415	752	786	634	345	300	234	197	533	39	230	92	100	150	15	21	117	M12x30	4 x M40x1.5	54	490	M12x30	51.4°/120°/240°
2RB 920-7HH27	3~																														
2RB 920-7HH37	3~																														
2RB 920-7HH47	3~									812																					

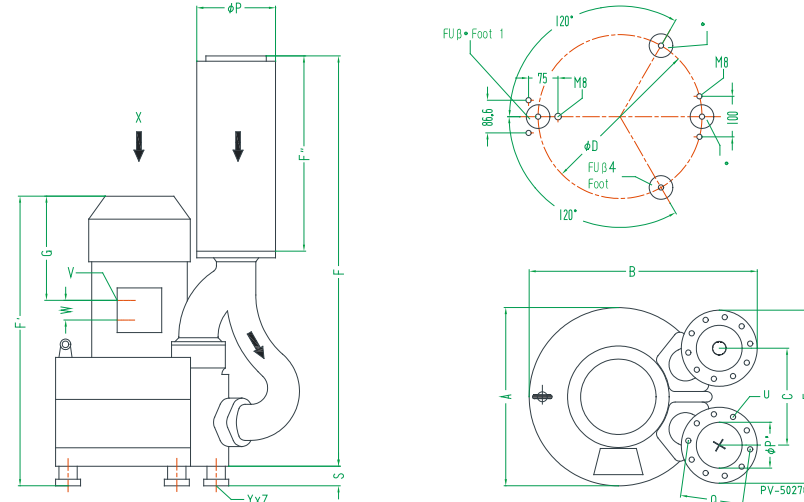
# Dimensions for side channel blowers 2RB940.,2RB943.(mm)



2RB940.



2RB943.



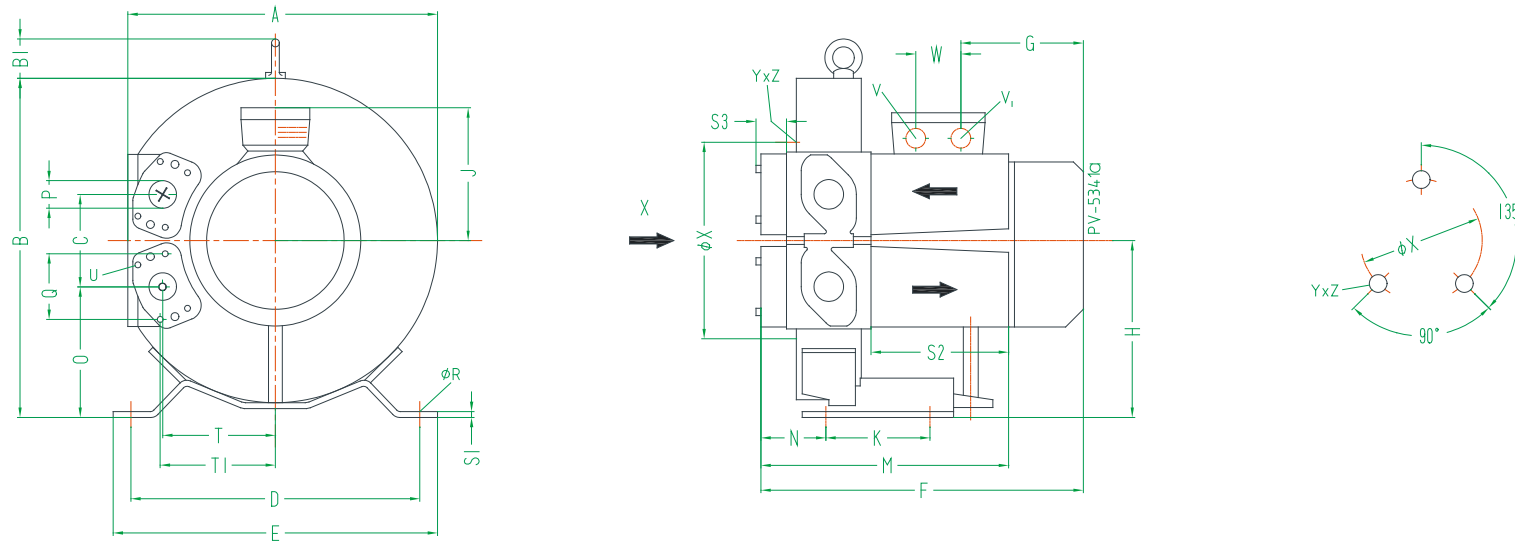
Type	Phases																								X-Holes			
型号	相位	A	B	B <sub>1</sub>	C	C'	D	E	F	F'	G	H	J	K	M	N	O	φP	Q	φR	S	U	V	W	φX	YxZ		
2RB 940-7BH27	3~	615	657	16	207	15	360	415	752	786	345	350	197	533	39	280	142	100	140	15	71	M12x35	4xM40x1.5	54	490	M12x30	120°/60°/60°	
2RB 940-7BH37	3~																											
2RB 940-7BH47	3~								812																			

Type	Phases																		
型号	相位	A	B	C	D	E	F	F'	F''	G	P	P'	Q	S	U	V	W	YxZ	
2RB 943-7GH27 <sup>(1)</sup>	3~	615	723	307	490	526	1201	848	578	291	219	135	201	58	M8x40	4xM40x1.5	54	M12x10.5	
2RB 943-7GH37 <sup>(1)</sup>	3~																		
2RB 943-7GH47 <sup>(1)</sup>	3~							908		351									

# Dimensions for side channel blowers 4RB210.,4RB310.,4RB410.,4RB510.,4RB610.(mm)



4RB210./4RB310./4RB410./4RB510./4RB610.



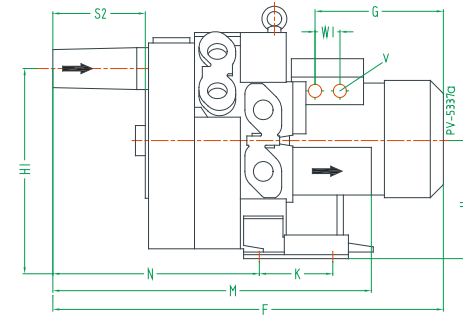
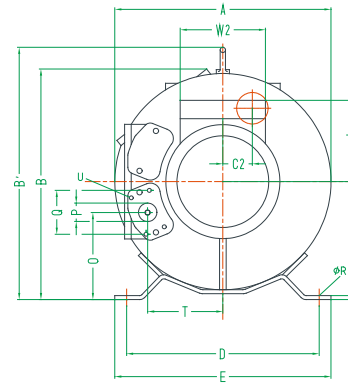
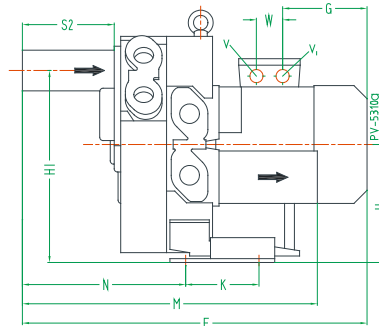
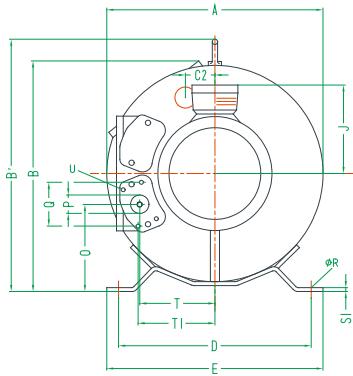
Type	Phases	A	B	B <sub>1</sub>	C	D	E	F	G	H	J	K	M	N	O	P	Q	φR	S <sub>1</sub>	S <sub>2</sub>	S <sub>3</sub>	T	T <sub>1</sub>	U	V	V <sub>1</sub>	W	φX	YxZ
型号	相位																												
4RB 210-0AH16-7	3~	294	319	39	87	260	298	293	129	167	111	105	252	65	124	G1 <sub>1/4</sub> (18 deep)	64	14	4	140	31	105	107	M6x17	M25x1.5	M16x1.5	32	153	M6x15
4RB 210-0AV75-7	1~																												
4RB 310-0AH16-7	3~	313	339		94	290	325	295	153	177	120		256	67	130							114	116						
4RB 310-0AH26-7	3~										120																		
4RB 310-0AV71-7	1~																												
4RB 310-0AV75-7	1~																												
4RB 410-0AH16-7	3~	346	375	38	103	315	350	321		195		130	260	66	143							125	127					167	
4RB 410-0AA41-7	1~																												
4RB 410-0AB46-7	1~																												
4RB 510-0AH16-8	3~	368	395	39	114	328	363	361	185	205	128	152	265	68	148			5				137	138					192	M8x15
4RB 510-0AH26-8	3~																												
4RB 610-0AH16-8	3~	418	455		127	371	406	364		235			271	72	172							153	155					228	
4RB 610-0AH36-8	3~							390	211																				

# Dimensions for side channel blowers 4RB220.,4RB320.,4RB420.,4RB520.,4RB620.,4RB630.(mm)



## 4RB220./4RB320./4RB420./4RB520./4RB620./4RB630.

## 4RB630.

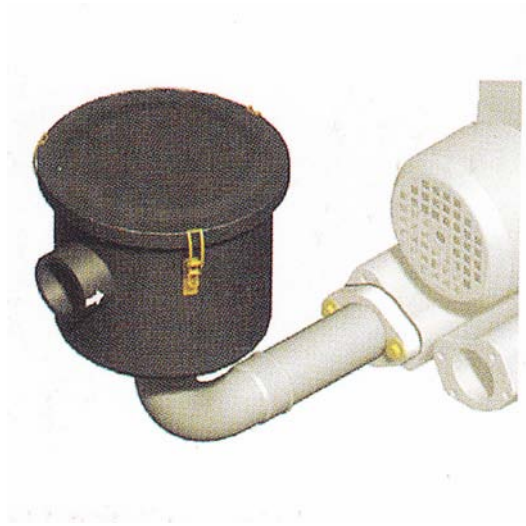


Type 型号	Phases 相位	A	B	B'	C <sub>2</sub>	D	E	F	G	H	H <sub>1</sub>	J	K	M	N	O	P	Q	φR	S <sub>1</sub>	S <sub>2</sub>	S <sub>3</sub>	T	T <sub>1</sub>	U	V	V <sub>1</sub>	W	
4RB 220-0AH26-7	3~	313	326	359	43	260	298	469	130	167	272	111	105	426	241	123	G1 <sup>1/4</sup> (18 deep)	64	14	4	140	31	105	107	M6x17	M25x1.5	M16x1.5	32	
4RB 220-0AH56-7	3~							525	185			128																	
4RB 220-0AV75-7	1~																												
4RB 320-0AH46-7	3~	331	345	380	47	290	325	390	153	177	291	120		431	243	130							114	116					
4RB 320-0AH56-7	3~							421	185			128																	
4RB 320-0AV75-7	1~																												
4RB 420-0AH26-7	3~	363	377	414	52	315	350	529	180	195	319	128	130	436		143							125	127					
4RB 420-0AH56-7	3~							554	211																				
4RB 520-0AH26-8	3~	387	402	435	57	328	363	549	185	206	343	128	152	453	256	148			5			137	138						42
4RB 520-0AH77-8	3~							603	211			148														2xM32x1.5			32
4RB 620-0AH36-8	3~	442	457	495	63	372	406	578		236	389	128		458	259	173						153	155			M25x1.5			42
4RB 620-0AH57-8	3~							643	248			148														2xM32x1.5			


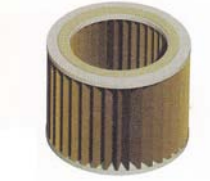
Type 型号	A	B	B'	C <sub>2</sub>	D	E	F	G	H	H <sub>1</sub>	K	M	N	O	P	Q	φR	S <sub>1</sub>	S <sub>2</sub>	T	U	V	W <sub>1</sub>	W <sub>2</sub>
4RB 630-0AH67-8	442	402	492	63	371	406	717	274	236	389	152	539	336	172	G1 <sup>1/4</sup> (15 deep)	64	14	5	146	153	M6x17	M32x1.5	42	120

## Accessories

Accessories for G-Series 2RB/4RB pumps/compressors  
filters, flanges and valves



## Accessories for pumps & compressors G\_Series 2RB/4RB

Example 	Selection and ordering data			
		For type	Order no.	Weight approx. kg
Particle size: Paper: 7-9 μm Polyester: 3 μm	<b>In line filter for vacuum pumps</b>			
	Incl mounting kit for fixed installation gasket, threaded flange, double pipe nipple, pipe elbow and through-filter	Paper filter insert 2RB2./3.	2B×2 060	2.7
		4RB 2../-...1./-...2./-...4 4RB 3/7 4/7 5/7 6 4RB 2../-...5./-...6./-...7./-...8 Polyester filter insert 2RB 2./3.	2B×2 060 2B×4 060 2B×4 082	2.7 2.7 2.7
	Incl gasket hose flange, double reduction nipple through-filter and hose clips, but excluding the connecting hose between filter and vacuum pump	Paper filter insert 2RB 41../-...0./-...1./-...2. 2RB 49/2RB 5./6./7/	2B×2 061	5
		2RB 41../-...0./-...1./-...2. 2RB 42 Polyester filter insert 2RB 41../-...0./-...1./-...2. 2RB 49/2RB 5./6./7.	2B×2 064 2B×4 081	5 5
		2RB 41../-...3./-...4. 2RB 42	2B×4 083	5
	Incl reduction nipple, through-filter and hose clips excl. connecting hose between filter and vacuum pump	Paper filter insert 2RB 8.	2B×2 063	5.5
		Polyester filter insert 2RB 8.	2B×4 084	5.5
	Incl connecting flange, gasket, adapting nipple, through-filter, hose clips and connecting hose between filter and vacuum pump	Paper filter insert 2RB 91/92 2RB 94 Polyester filter insert 2RB 91/92 2RB 94	2B×2 065 2B×2 066 2B×4 085 2B×4 086	20 22 20 22
Example 	<b>滤芯 Replacement filter elements</b>			
	Order Example: EWN:5014022002	Paper filter insert 2B×2 060 2B×2 061/063/064 2B×2 065/066 Polyester filter insert 2B×4 082 2B×4 081/083/084 2B×4 085/086	501 40220 02 501 40220 04 501 40220 05 501 40000 03 501 40002 01 501 40220 15	0.4 0.6 0.8 0.4 0.6 0.8
Order Example: EWN:5014022001		Paper filter insert 2B×2 100 2B×2 101/102/107/108 2B×2 103/104 Polyester filter insert 2B×4 062 2B×4 061/063/064 2B×4 065/066 2B×4 085/086	501 40220 01 501 40220 02 501 40220 03 501 40001 01 501 40000 03 501 40220 13 501 40220 15	0.4 0.5 0.6 0.4 0.5 0.6 0.8



## Accessories for pumps & compressors G\_Series 2RB/4RB





Selection and ordering data			
	For type	Order no.	Weight approx. kg
<b>Suction filter for compressors</b>			
Incl mounting kit; gasket, threaded flange pipe elbow and, according to G_Series type, spigot, adaptor flange, nipple and reducing coupling	Paper filter insert 2RB2./3.	2B×2 100	1.4
	Polyester filter insert 2RB 2./3.	2B×4 062	1.4
	Paper filter insert 2RB 41.-...0./-...1./-...2. 2RB 49	2B×2 101	3
	Polyester filter insert 2RB 41.-...0./-...1./-...2. 2RB 49	2B×4 061	3
	Paper filter insert 2RB 41.-...3./-...4. 2RB 42	2B×2 107	3
	Polyester filter insert 2RB 41.-...3./-...4. 2RB 42	2B×4 063	3
	Paper filter insert 2RB 5./6./71./72./79.	2B×2 102	2.7
	Polyester filter insert 2RB 5./6./71./72./79.	2B×4 064	2.7
	Paper filter insert 2RB 74	2B×2 103	5.1
	Polyester filter insert 2RB 74	2B×4 065	5.1
	Paper filter insert 2RB 8.	2B×2 104	5.1
	Polyester filter insert 2RB 8.	2B×4 066	5.1
	Paper filter insert 4RB 2.-...1./-...2./-...4. 4RB 3./4.	2B×2 100	1.4
	Polyester filter insert 4RB 2.-...1./-...2./-...4. 4RB 3./4.	2B×4 062	1.4
	Paper filter insert 4RB 5./6. 4RB 2.-...5./-...6./-...7./-...8.	2B×4 080	1.4
	Paper filter insert 4RB 5./6.	2B×2 108	3
	Paper filter insert 4RB 2.-...N1./-...N2./-...N4.	2B×2 100	1.4
	Paper filter insert 4RB 2.-...N5./-...N6./-...N7./-...N8.	2B×4 080	1.4
	Paper filter insert 4RB 3.-...N.. 4RB 4.-...N.. 4RB 5.-...N.. 4RB 6.-...N..	2B×2 108	3

Example



能过滤的微粒尺寸:  
纸滤芯: 7-9 μm  
聚酯滤芯: 3 μm  
Particle size:  
Paper: 7-9 μm  
Polyester: 3 μm

## Accessories for pumps & compressors G\_Series 2RB/4RB

	Selection and ordering data			
		For type	Order no.	Weight approx. kg
Example				
	<b>Suction-side through-filter</b>			
	Incl connecting flange,gasket,adapting nipple,through-filter,hose clips and connecting hose between filter and vacuum pump	Paper filter insert 2RB 91/92 2RB 94  Polyester filter insert 2RB 91/92 2RB 94	2B×2 065 2B×2 066  2B×4 085 2B×4 086	20 22  20 22
Example				
	<b>Fixing clamp</b>			
	For floor mounting(1 set=4 retaining washers, 4 fixing screws M 12×20 and 5 clamping devices)	2RB 943	2B×2 124	3.5
Example				
	<b>90° elbow</b>			
	Incl gasket and screws	2RB 220/320 2RB 420 2RB 520/720 2RB 920	2B×4 313 <sup>2</sup> ) 2B×4 314 <sup>2</sup> ) 2B×4 315 <sup>2</sup> ) 2B×4 319 <sup>2</sup> )	0.9 1.4 2.4 6.2
Example				
	<b>1 set of feet</b>			
	For vertical mounting on the end-cover (1 set=3 pieces)	2RB 2./3./4. 2RB 5. 2RB 6./7. 2RB 8. 2RB 91./92.2RB 5. 2RB 2. 2RB 3./4. 2RB 5./6.	2B×2 120 2B×2 121 2B×2 122 2B×2 123 2B×2 123 2B×2 135 2B×2 127 2B×2 128	0.15 0.15 0.45 1.4 1.4 0.15 0.15 0.2
	For horizontal mounting on the feet (1 set=3 pieces)	2RB 2./4. 2RB 5. 2RB 7. 2RB 8. 2RB 91./92.	2B×4 100 2B×4 101 2B×4 102 2B×4 103 2B×4 104	0.15 0.15 0.15 0.45 1.4

1.All filters are suitable only for separation with dry air and cannot be used for liquids.Installation must be made to ensure that no water can enter the filter.

2.If you wish to order thin together with the pump,please add a "Z" to the order number of the pump and the additional information "C21" as follows in this example:2RB 220=7HH26-Z C21

## Accessories for pumps & compressors G\_Series 2RB/4RB

Selection and ordering data						
	For type	Silencing	Order no.	Φ	Weight approx. kg	
<b>Additional silencer</b>						
Incl.gasket,hose flange,hose clip, and screws  The silencing is measured with average throttling and hose connected to the suction sied vacuum pump(or to the dischare sied of the compressor)in an echochamber according to DIN45635 part 2	2RB 210/310 2RB 220/320 2RB 410-...0./-...1./-...2. 2RB 490 2RB 410-...3./-...4. 2RB 420. 2RB 510 2RB 520 2RB 610/710 2RB 720/2RB 740 2RB 8 2RB 820/2RB 840 2RB 910 2RB 920 2RB 940	6dB 5dB 5dB 4dB 5dB 4dB 6dB 5dB 7dB 6dB 8dB 7dB 3dB 3dB 3dB	2B×4 011  2B×4 010  2B×4 015  2B×4 010  2B×4 010  2B×4 012  2B×4 013  2B×4 014		0.6 0.5 0.6  0.6  0.6  0.6  2.1  4.0  10.5	
	4RB 2-...1./-...2./-...4. 4RB 3/7 4/7 5/7 6 4RB 2-...5./-...6./-...7./-...8.	4dB  4dB	2B×4 031  2B×4 000		0.45  0.45	
<b>丝口法兰 Threaded flange</b>						
Incl gasket and screws	Metric thread 2RB 2./3. 2RB 410-...0./-...1./-...2/2RB 490 2RB 4-...3./-...4./2RB 42 2RB 5./6./7. NPT conical 2RB 5./6./7. Metric thread 2RB 91/92 NPT conical 2RB 91/92 Metric thread 2RB 94 NPT conical 2RB 94		2B×1 037 2B×1 040 2B×1 041  2B×4 041  2B×1 042  2B×4 042  2B×4 043  2B×4 043	G <sup>1</sup> / <sub>4</sub> G <sup>1</sup> / <sub>2</sub> G2  NPT2  G4  NPT4  G5  NPT5		0.22 0.46 0.46  0.46  1.6  1.6  5.9  5.9
	4RB 2-...1./-...2./-...4. 4RB 3/7 4/7 5/7 6 4RB 2-...5.		2B×1 037  2B×4 040	G <sup>1</sup> / <sub>2</sub>  G <sup>1</sup> / <sub>4</sub>		0.22  0.22
<b>软管法兰 Hose flange</b>						
Incl gasket and screws	2RB 410-...0./-...1./-...2. 2RB 490./2RB 510. 2RB 2./3. 2RB 410-...3./-...4.2RB 4 2RB 6./7. 2RB 8. 2RB 91./92. 2RB 94.		2B×1 033  2B×1 032 2B×1 034 2B×1 036 2B×1 047 2B×1 048		0.11  0.1 0.13 0.17 0.4 2.6	
	4RB 2-...1./-...2./-...4. 4RB 3/7 4/7 5/7 6 4RB 2-...5./-...6./-...7./-...8.		2B×1 016 2B×1 032 2B×4 020		7.5 0.1 0.1	

Example







Example



Example




## Accessories for pumps & compressors G\_Series 2RB/4RB

Example	Selection and ordering data			
		For type	Order no.	Weight approx. kg
	<b>Vacuum relief valve-suction side<sup>1)</sup></b>			
	With adaptor,gasket and screws	or 50 Hz operation 2RB 2./3./4. 2RB 5./6./7.	2B×2 141 2B×2 145	0.5 0.5
		4RB 2.-...1./-...2/-...4. 4RB 3./4./5./6. 4RB 2.-...5.	2B×2 141 2B×2 171	0.5 0.5
		for 60 Hz operation 2RB 2./3./4. 2RB 5./6./7.	2B×2 142 2B×2 146	0.5 0.5
4RB 2.-...1./-...2/-...4. 4RB 3./4./5./6. 4RB 2.-...5.		2B×2 142 2B×2 172	0.5 0.5	
	<b>Pressure relief valve-discharge side<sup>1)</sup></b>			
	With adaptor,gasket and screws	for 50 Hz operation 2RB 2./3./4. 2RB 5./6./7. 4RB 2.-...1./-...2/-...4. 4RB 3./4./5./6.	2B×2 143 2B×2 147 2B×2 143	0.5 0.5 0.5
		4RB 2.-...5. for 60 Hz operation 2RB 2./3./4. 2RB 5./6./7. 4RB 2.-...1./-...2/-...4. 4RB 3./4./5./6.	2B×2 173 2B×2 144 2B×2 148 2B×2 144	0.5 0.5 0.5 0.5
		4RB 2.-...5.	2B×2 174	0.5
 <p>2B×2 11.</p>	<b>Loose vacuum relief valve-suction side<sup>1)</sup></b>			
		for 50 Hz operation 2RB 2. 至 2RB 8. 2RB 910-...1./-...3. 2RB 920-...2./-...3./-...4. 2RB 930-...3. 2RB 943-...4. 2RB 910-...0. 2RB 920-...1. 2RB 930-...0./-...1. 2RB 943-...2./-...3.	2B×2 110     2B×2 150 2B×2 152	0.3     14 27
		4RB for 60 Hz operation 2RB 2. 至 2RB 7. 2RB 81/82 2RB 840-...3. 2RB 910-...1./-...3. 2RB 920-...3. 2RB 920-...2. 2RB 930-...3. 2RB 840-...2. 2RB 910-...0. 2RB 920-...1. 2RB 930-...0./-...1. 2RB 943-...3./-...4. 2RB 943-...2.	2B×2 110 2B×2 114    2B×2 150 2B×2 152  2B×2 154	0.3 0.3    14 27  54
		4RB	2B×2 114	0.3
 <p>2B×2 15.</p>				

## Accessories for pumps & compressors G\_Series 2RB/4RB


Selection and ordering data			
	For type	Order no.	Weight approx. kg
Selection and ordering data			
Incl mounting kit,gasket,threaded flange pipe elbow and,according to G_Series type,spigot, adaptor flange,nipple and reducing coupling	or 50 Hz operation 2RB 2 to 2RB 7 2RB 81/82 2RB 840-...3. 2RB 910-...1./-...3. 2RB 920-...3./-...4. 2RB 930-...3. 2RB 840-...2. 2RB 910-...0. 2RB 920-...1./-...2. 2RB 930-...0./-...1. 2RB 943-...2./-...3./-...4.	2B×2 111	0.3
		2B×2 151	8
		2B×2 153	18
	4RB	2B×2 111	0.3
	for 60 Hz operation 2RB 2 to 2RB 7	2B×2 115	0.3
	2RB 81/82 2RB 910-...3. 2RB 840-...3. 2RB 910-...1. 2RB 920-...3./-...4. 2RB 930-...3. 2RB 840-...2. 2RB 910-...0. 2RB 920-...1./-...2. 2RB 930-...0./-...1. 2RB 943-...4. 2RB 943-...2./-...3.	2B×2 151	8
		2B×2 153	18
		2B×2 155	33
	4RB	2B×2 115	0.3

Example



2B×2 11.

Example



2B×2 15.

# Annex



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Overview of the voltage and footnotes \_\_\_\_\_ 55

Pressure		
Beginning units	Conversion factor	Resulting units
Pa	0.01	Mbar
hPa	1.0	mbar
kPa	10.0	mbar
mmH <sub>2</sub> O	0.098	mbar
mH <sub>2</sub> O	98.07	mbar
at	980.7	mbar
inch H <sub>2</sub> O	2.491	mbar
PSI lpt/in <sup>2</sup>	68.948	mbar
mbar	100	Pa
mbar 1	10.2	mm H <sub>2</sub> O
mbar	10.2·10 <sup>-3</sup>	M H <sub>2</sub> O
mbar	1.02·10 <sup>-3</sup>	at
mbar	0.4016	inch H <sub>2</sub> O
mbar	14.505·10 <sup>-3</sup>	PSI lpt/in <sup>2</sup>

Example of conversion  
250[inch H<sub>2</sub>O]:2.491=622.5[mbar]

The following formula is used to convert value from "inches of mercury vacuum" to "mbar abs"  
1013-x[inches of mercury vacuum]·33.8=Y[mbar abs.]

Absolute pressure

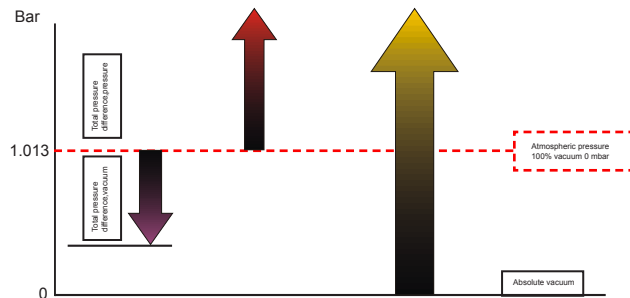
The pressure measured from absolute zero, using ideal vacuum as the datum. The measured pressure is always greater than the reference pressure.

Total pressure difference, pressure

The pressure measured above the prevailing atmospheric pressure. The datum is the prevailing atmospheric pressure and the measured pressure is always higher than the datum.

Total pressure difference, vacuum

The pressure measured lower than the prevailing atmospheric pressure. The datum is the prevailing atmospheric pressure and the measured pressure is always lower than the datum.



Suction capacity		
Beginning units	Conversion factor	Resulting units
l/min	0.06	m <sup>3</sup> /h
gal/min	0.227	m <sup>3</sup> /h
ft <sup>3</sup> /min	1.699	m <sup>3</sup> /h
m <sup>3</sup> /h	16.667	l/min
m <sup>3</sup> /h	4.403	gal/min
m <sup>3</sup> /h	0.588	ft <sup>3</sup> /min

Electrical power		
Beginning units	Conversion factor	Resulting units
hp	0.746	kW
btu/h	293.1	kW
kW	1.341	hp
kW	3.41·10 <sup>-3</sup>	Btu/h

Weight		
Beginning units	Conversion factor	Resulting units
lbm	0.454	kg
kg	2.205	lbm

Length		
Beginning units	Conversion factor	Resulting units
in.	25.4mm	
in.	0.0254	m
ft	305	mm
ft	0.305	m
m	39.37	in.
m	3.28	f

Temperature conversion		
Conversion from	to	
°F	K	$T [K] = \frac{T [°F] + 459.67}{1.8}$
°F	°C	$t [°C] = \frac{T [°F] - 32}{1.8}$
K	°F	$t [°F] = 1.8 \cdot T [K] - 459.67$
°C	°F	$t [°F] = 1.8 \cdot t [°C] + 32$

# General safety information

## Note:

The products in this catalogue are used in the ■ capital goods industry ■ consumer goods industry and in such sectors as ■ agriculture the building industry and allied trades.

This equipment has bare parts that are dangerous because they are live during operation; in some cases these are moving or rotating parts. Such parts could cause severe injury to persons and severe damage to property, for example in the event of unauthorised removal of protective covers, improper use, wrong operation or insufficient maintenance.

## The people in charge of safety must therefore guarantee that:

- only qualified personnel are allowed to work on or around this equipment;
- these persons have access at all times to the operating instructions supplied and all other elements of the product documentation when working with the equipment, and are obliged to systematically follow the instructions given therein;
- unqualified personnel are not allowed to work on these machines or equipment or in the vicinity thereof.

## Qualified personnel

are persons who on account of their training, experience, instruction, knowledge of the appropriate standards, specifications, accident prevention regulations and the operating environment have been authorised by those responsible for plant safety to perform the necessary work and at the same time to recognise and circumvent potential hazards.

Knowledge of first aid and familiarity with the pertinent life-saving equipment are also necessary.

The barring of unqualified personnel from work on heavy-current equipment is regulated by DIN VDE 0105 or IEC 364.

For the sake of clarity, the operating instructions supplied with the equipment cannot contain all the detailed information on possible design variants and in particular cannot take into account every conceivable type of installation, operation or maintenance. The operating instructions therefore basically contain only the information necessary to enable qualified personnel (see above) to operate the machines or equipment correctly in industrial applications.

In the event that the machines or equipment are intended for service outside of industry, where more exacting demands may be placed on them (such as touch protection for children), the installation work must be supplemented by further protective measures that are to be implemented locally.

Where clarifications are necessary, particularly with respect to lack of product-specific detailed information, please contact the sales office concerned, quoting the type designation and manufacturing number of the machine or equipment.



# G\_Series Voltage Overview

Voltages at 50 Hz				
2RB...-.□.□				
<b>3-phase</b>				
185-225 V △ /320-390VY	H	1	CUL	US
200-240 V △ /345-415VY	H	6	CUL	US
345-415 V △	H	7	CUL	US
<b>1-phase</b>				
115/230 V	V	5	CUL	US
230 V	A	1		
Voltages at 60 Hz				
<b>3-phase</b>				
200-240 V △ /345-415VY	H	1	CUL	US
220-275 V △ /380-480VY	H	6	CUL	US
380-480 V △	H	7	CUL	US
575 V △	C	5	CUL	US
<b>1-phase</b>				
115/230 V	V	5	CUL	US
115 V	B	6		
230 V	A	1		
Voltages 3-phase ATEX				
50Hz, categories 3D,3G,3/2D				
230 V △ /400VY	D	1		
500 V △	D	5		
400 V △ /690VY	D	6		
50Hz, categories 3/2G				
230 V △ /400VY	D	1		
500 V △	D	5		
400 V △ /690VY	D	6		
60Hz, categories 3D,3G,3/2D				
460 V △	D	1		
575 V △	D	5		
460 VY	D	6		
60Hz, categories 3/2G				
460 V △	G	1		
575 V △	G	5		
440 VY	G	6		

## Footnotes:

1. Measuring surface sound-pressure level acc.to EN 216801, measured at a distance of 1 m. The pump is throttled to medium inlet pressure. a hose is connected to the discharge side, and a vacuum-relief valve is not fitted.
2. For selection and ordering information, see accessories. The pressure limits of the valves are based on a cooling agent and ambient temperature of 25°C
3. For 2RB1 943, only mounting on the end-casing is possible.
4. Tolerances: the motors comply with DIN EN60 034/DIN IEC 34-1 and Insulation class F:

## Three-phase:

fixed voltages incl. ATEX +10%  
voltage range +5%  
in compliance with UL and CSA 10%/+6%  
(UL 507u, CSA 22.2 No.113)

## Single-phases:

Fixed voltages: +5%

If during continuous operation only 90% of the maximum end pressure is used, the admissible tolerance increases to +/-10%. In compliance with UL and CSA 10%/+6% (UL 507u, CSA 22.2 No.113)

## Frequency:

The motors comply with the IEC and European norms quoted. The European norms replace the national norms of the following member states: Germany (VDE), France (NFC), Belgium (NBNC), Great Britain (BS), Italy (CEI), Netherlands (NEN), Sweden (SS), Switzerland (SEV) and others.

The machines also comply with various national norms.

The following norms have been adapted to the publications IEC 60 034-1 and the motors can be used at standard rated performance:

UL 507	USA
CS A22.2, No.113	Canada
IS 325	India
IS 4722	
NEK_IEC 60034-1	Norway



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