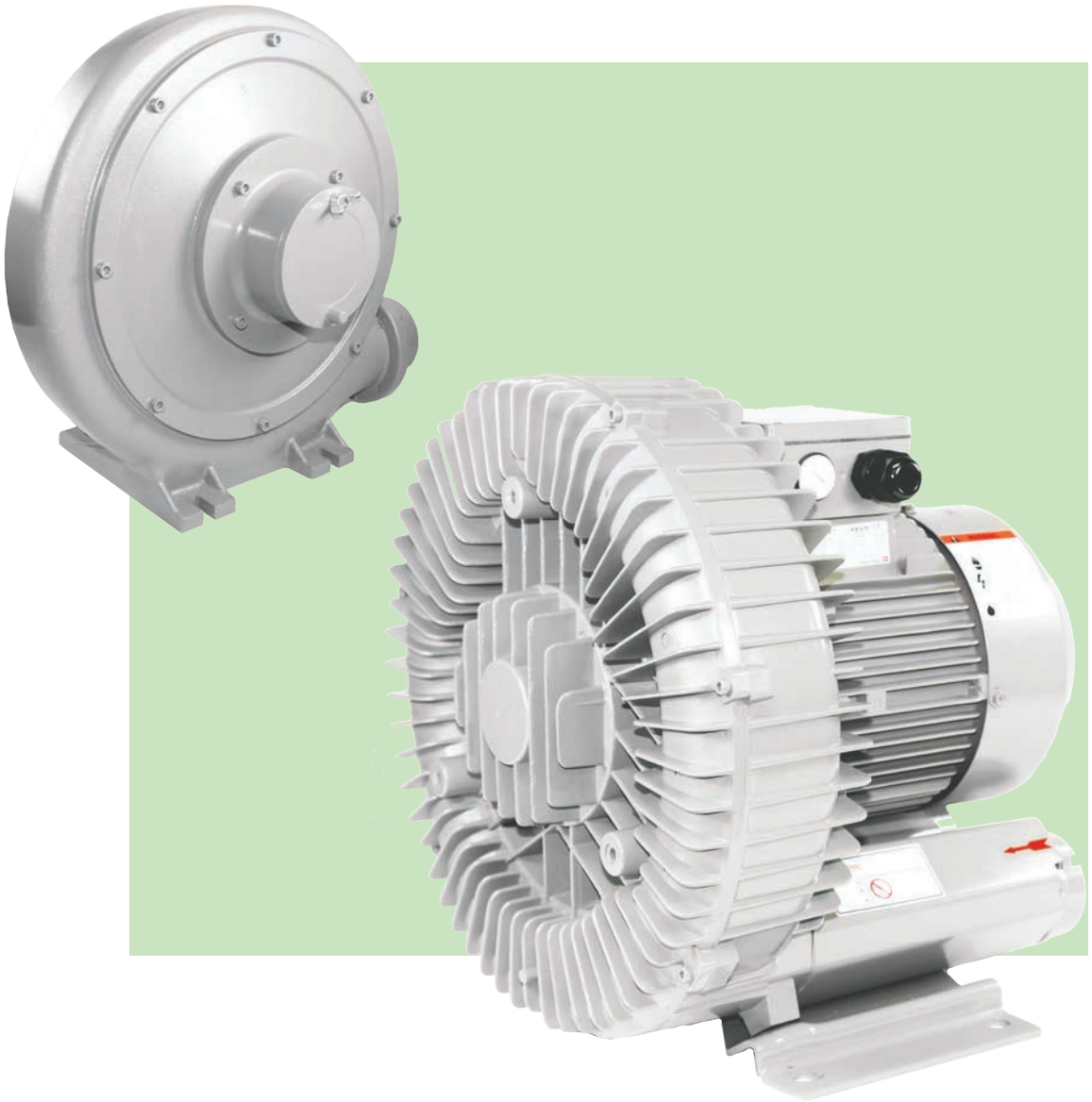
KLEE *blower*®

Side Channel Blowers & Turboblowers



BRD. KLEE ENGINEERING & TRADING COMPANY
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About Brd. Klee A/S

Brd. Klee Engineering and Trading Companies was founded in 1944 and is listed on the OMX (formerly: Copenhagen Stock Exchange).

We are located in Albertslund, Greater Copenhagen, and offer technical solutions to the Industry.

In 2011 we founded Klee Engineering in Taiwan providing services to our international customers as well as sourcing and quality controls of products from our suppliers in Asia. Our range of more than half a million items are split into the following groups:

- Gears & Gear motors
- Motors, Pumps & Blowers
- Controls & Electronics
- Pneumatics & Hydraulics
- Linear Motion Technology
- Transmission
- Machine-, DIN and Norm Parts
- Rubber & Plastics

Brd. Klee has the Danish Agency for a wide range of brands in the above divisions. The company employs approximately 60 employees of which nearly half are employed in the sales department with support and guidance of our customers.



Function

Side Channel Blowers

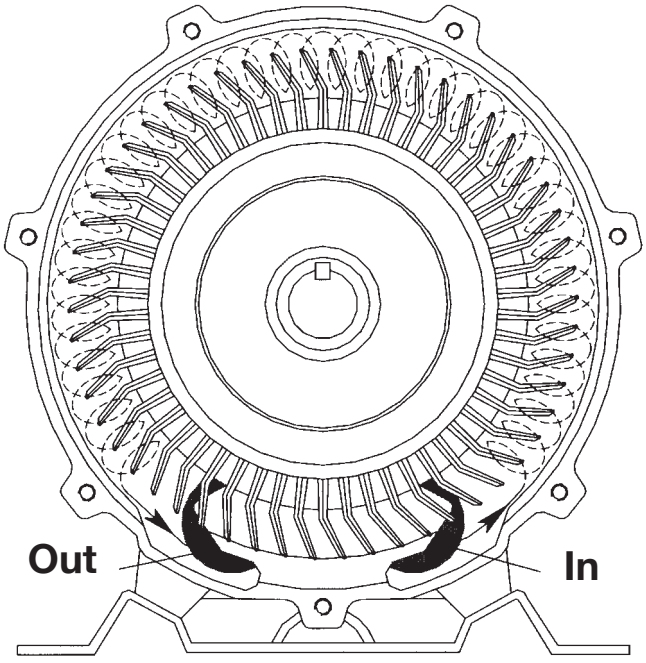
The wide range of side channel blowers are available as single and double stage blowers with performance ranges up to 1344 m^3/h and differential pressure up to 780 mbar. Klee's own strict quality control ensures a very high standard and quality. Kleeblowers are reliable units with low maintenance and long durability.

Product Features

- Wide voltage range
- 50/60 Hz motors
- Insulation class F or H (from 5,5 kW)
- NSK bearings with high temperature grease
- German quality wave washers
- High quality multilayer shaft seals
- Build-in bimetallic thermo switch from 5,5 kW
- For continuous drive
- Low noise and vibration level
- Virtually maintenance free
- CE, UL and CSA approved
- All units are QC inspected by Klee

Principle of operation

Three-dimensional blower impeller rotation enables the air between the vanes to accelerate along the radius direction. The air is forced to return to the base of the impeller due to pressure difference throwing it outward and forward through a spiral path. This action is repeated and causes the air gain pressure until it reaches the outlet port of the housing. The air is ejected from the impeller and from the blower through the outlet.



Kleeblower L model

Klee has designed a special model of side channel blowers with lower bearing temperature that ensures a long bearing life. The L-model is with power up to 3,4 kW and performance ranges up to 372m³/h and differential pressure up to 280mbar.

L model Features

- Lower bearing temperature
- Extended grease life in bearings
- Less maintenance
- Grease-free environment in the blower housing
- Excellent for vertical blower installation

Special design

The front bearing is outside the blower housing between the motor and the blower house with an extended aluminum bearing-hub. The fan of the motor cools down the extended hub that ensures an optimal cooling of the bearing.

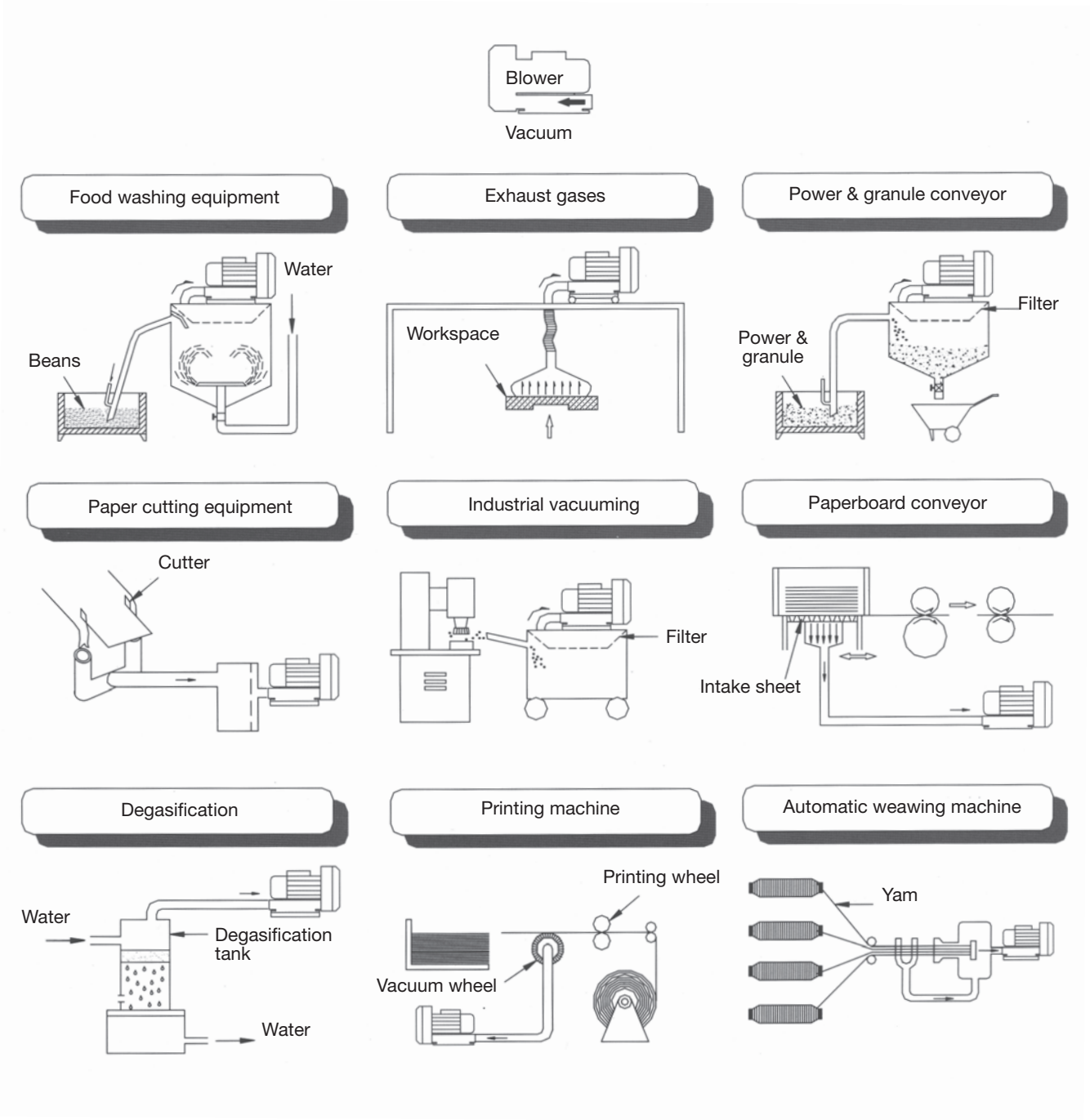
Longer operation life

The external bearing design allows the bearings to operate in low temperature that causes fast heat dissipation and uniform loading capacity. The bearing grease is more durable causing longer maintenance intervals.

Applications for vacuum

Kleeblower type KB provides up to 1344 m³/h and differential vacuum down to 650 mbar.

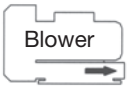
It is advised to secure the blower against overheating.
Avoid exceeding the allowable vacuum limit.
Please refer to page 48-49 for more information.



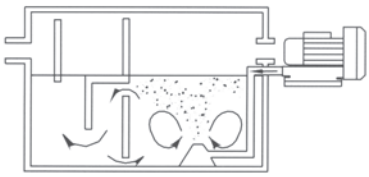
Applications for pressure

Kleeblower type KB provides up to 1344 m^3/h and differential pressure up to 780 mbar.

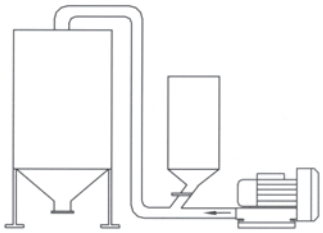
It is advised to secure the blower against overheating.
Avoid exceeding the allowable pressure limit.
Please refer to page 48-49 for more information.



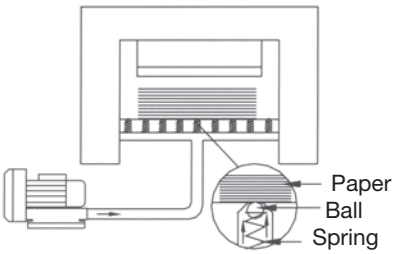
Sewage Treatment Plants



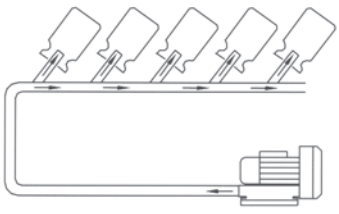
Powder & granule conveyor



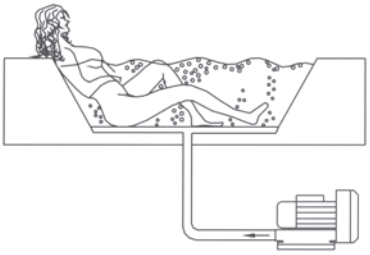
Air cushioned paper knife



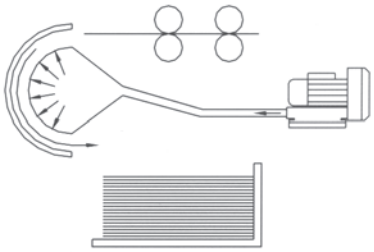
Air drying of containers



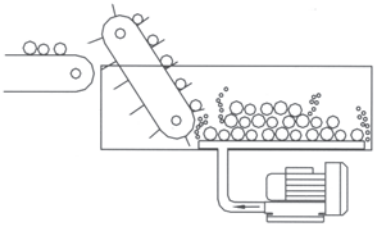
Jacuzzi



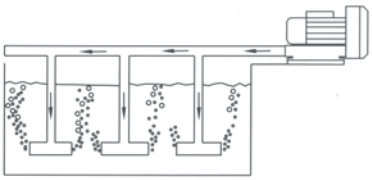
Air drying for offset printing



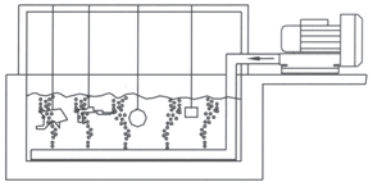
Vegetable washer



Oxygen supply for culture field



Electrolytic treatment



Technical data for KB-series 50 Hz

Single-stage side channel blower with max. air flow of 1344 m³/h and max. air pressure of 450 mbar.
Double-stage side channel blower (high pressure) with max. air flow of 575 m³/h max. air pressure of 780 mbar.
Double-stage side channel blower (large flow) with max. air flow of 990 m³/h and max. air pressure of 270 mbar.

Type	Curve no.	Output (kW)	Voltage (V) star/delta (U1,V1,W1 U2,V2,W2)	Maximum airflow m³/min	Safety limit Vacuum / pressure (mbar)	Noise level (dB)	Vacuum / pressure valve PVC/ALU
SINGLE-STAGE							
KB-129	22F	0,2	230/400 (220/240) (different voltage on request)	0,8	70/70	53	RV-03/RVA-03
KB-129-1	22F	0,2		0,8	70/70	53	RV-03/RVA-03
KB-229	31F	0,4		1,4	110/130	58	RV-03/RVA-03
KB-229-1	31F	0,4		1,4	110/130	58	RV-03/RVA-03
KB-229L	32F	0,4		1,4	110/130	58	RV-03/RVA-03
KB-229L1	32F	0,4		1,4	110/130	58	RV-03/RVA-03
KB-329	41F	0,75		2,4	140/140	63	RV-03/RVA-03
KB-319-1	41F	0,75		2,4	140/140	63	RV-03/RVA-03
KB-329L	42F	0,75		2,4	140/140	63	RV-03/RVA-03
KB-329L-1	42F	0,75		2,4	140/140	63	RV-03/RVA-03
KB-329	43F	0,9		2,4	165/180	63	RV-03/RVA-03
KB-339	44F	1,3		2,4	175/200	63	RV-03/RVA-03
KB-429	52F	1,3	230/400 (220/240) (different voltage on request)	3,6	180/180	70	RV-03/RVA-03
KB-429L	52F	1,3		3,6	180/180	70	RV-03/RVA-03
KB-429-1	53F	1,5		3,6	210/220	70	RV-03/RVA-03
KB-429	53F	1,75		3,6	210/220	70	RV-03/RVA-03
KB-429L	54F	1,75		3,6	210/220	70	RV-03/RVA-03
KB-429	55F	2,2		3,6	220/270	70	RV-03/RVA-03
KB-529	61F	2,2		5,2	230/230	72	RV-03/RVA-03
KB-529-1	61F	2,2		5,2	230/230	72	RV-03/RVA-03
KB-529L	61F	2,2		5,2	230/230	72	RV-03/RVA-03
KB-629	62F	3,4		5,2	260/280	72	RV-03/RVA-03
KB-629-1	62F	3,4		5,2	260/280	72	RV-03/RVA-03
KB-629L	62F	3,4		5,2	260/280	72	RV-03/RVA-03
KB-639	63F	4,0		5,2	270/330	72	RV-03/RVA-03
KB-729	81F	5,5	230/400 400/690 (different voltage on request)	9,2	270/300	74	-- --/ATV-25
KB-829	82F	7,5		9,2	300/400	74	-- --/ATV-25
KB-919	91F	9		18,9	200/200	76	-- --/ATV-25
KB-929	92F	13		18,9	300/300	76	-- --/ATV-25
KB-939	93F	20		18,9	350/450	76	-- --/ATV-25
DOUBLESTAGE							
KB-2308	101F	0,75	230/400 400/690 (different voltage on request)	1,5	200/240	60	RV-03/RVA-03
KB-3319	111F	1,75		2,6	275/320	66	RV-03/RVA-36
KB-3326	112F	2,2		2,6	280/375	66	RV-03/RVA-36
KB-4337	121F	3,4		3,7	345/410	74	RV-36/RVA-36
KB-4346	122F	4,0		3,7	355/495	74	RV-36/RVA-36
KB-6346	131F	4,0	230/400 400/690 (different voltage on request)	5,2	360/380	75	RV-36/RVA-36
KB-6355	132F	5,5		5,2	410/515	75	RV-36/2xRVA-36
KB-6375	133F	7,5		5,2	420/580	75	RV-36/2xRVA-36
KB-6455	142F	5,5		7,8	200/220	75	RV-03/RVA-03
KB-6475	143F	7,5		7,8	240/270	75	RV-03/RVA-03
KB-8310	151F	7,5		9,6	320/320	76	-- --/2xATV-25
KB-8315	152F	11		9,6	430/600	76	-- --/2xATV-25
KB-8320	153F	16		9,6	450/700	76	-- --/2xATV-25
KB-8415	162F	11		14,2	260/260	76	-- --/2xATV-25

Red 1 phase

Black 3 phase

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Bi-metallic thermo switch is standard on motors from 5.5 kW and on all 1 phase models.

Technical data for KB-series 60 Hz

Single-stage side channel blower with max. air flow of 1344 m³/hr and max. air pressure of 450 mbar.
Double-stage side channel blower (high pressure) with max. air flow of 575 m³/time max. air pressure of 780 mbar.
Double-stage side channel blower (large flow) with max. air flow of 990 m³/hr and max. air pressure of 270 mbar.

Type	Curve no.	Output (kW)	Voltage (V) star/delta (U1,V1,W1 U2,V2,W2)	Maximum airflow m³/min	Safety limit Vacuum / pressure (mbar)	Noise level (dB)	Vacuum / pressure valve PVC/ALU
SINGLE-STAGE							
KB-129	22S	0,25	276/480 (276) (different voltage on request)	1,0	75/80	55	RV-03/RVA-03
KB-129-1	22S	0,25		1,0	75/80	55	RV-03/RVA-03
KB-229	31S	0,5		1,7	140/170	61	RV-03/RVA-03
KB-229-1	31S	0,5		1,7	140/170	61	RV-03/RVA-03
KB-229L	32S	0,5		1,7	140/170	61	RV-03/RVA-03
KB-229L1	32S	0,5		1,7	140/170	61	RV-03/RVA-03
KB-329	41S	0,85		2,9	140/140	64	RV-03/RVA-03
KB-319-1	41S	0,85		2,9	140/140	64	RV-03/RVA-03
KB-329L	42S	0,85		2,9	140/140	64	RV-03/RVA-03
KB-329L-1	42S	0,85		2,9	140/140	64	RV-03/RVA-03
KB-329	43S	1,1		2,9	180/180	64	RV-03/RVA-03
KB-329	44S	1,5		2,9	205/230	64	RV-03/RVA-03
KB429	52S	1,5	276/480 (276) (different voltage on request)	4,2	180/180	73	RV-03/RVA-03
KB-429L	52S	1,5		4,2	180/180	73	RV-03/RVA-03
KB-429-1	53S	1,75		4,2	210/220	73	RV-03/RVA-03
KB-429	53S	1,9		4,2	210/220	73	RV-03/RVA-03
KB-429L	54S	1,9		4,2	210/220	73	RV-03/RVA-03
KB-429	55S	2,6		4,2	255/300	73	RV-03/RVA-03
KB-529	61S	2,6		6,2	220/220	77	RV-03/RVA-03
KB-529-1	61S	2,6		6,2	220/220	77	RV-03/RVA-03
KB-529L	61S	2,6		6,2	220/220	77	RV-03/RVA-03
KB-629	62S	3,7		6,2	280/280	77	RV-03/RVA-03
KB-629-1	62S	3,7		6,2	280/280	77	RV-03/RVA-03
KB-629L	62S	3,7		6,2	280/280	77	RV-03/RVA-03
KB-639	63S	4,6		6,2	315/320	77	RV-03/RVA-03
KB-729	81S	6,3	276/480 480/830 (different voltage on request)	10,9	290/290	79	-- --/ATV-25
KB-829	82S	8,6		10,9	350/400	79	-- --/ATV-25
KB-919	91S	11		22,4	190/190	81	-- --/3xATV-25
KB-929	92S	15		22,4	290/290	81	-- --/3xATV-25
KB-939	93S	22		22,4	370/430	81	-- --/3xATV-25
DOUBLE-STAGE							
KB-2308	101S	0,85	276/480 480/830 (different voltage on request)	1,8	245/245	66	RV-03/RVA-03
KB-3319	111S	1,9		3,0	300/300	69	RV-03/RVA-36
KB-3326	112S	2,6		3,0	350/435	69	RV-03/RVA-36
KB-4337	121S	3,7		4,5	405/415	77	RV-36/RVA-36
KB-4346	122S	4,6		4,5	410/500	77	RV-36/RVA-36
KB-6346	131S	4,6	276/480 480/830 (different voltage on request)	6,2	380/380	79	RV-36/RVA-36
KB-6355	132S	6,3		6,2	425/530	79	RV-36/2xRVA-36
KB-6375	133S	8,6		6,2	450/675	79	RV-36/2xRVA-36
KB-6455	142S	6,3		9,2	200/220	79	RV-03/RVA-03
KB-6475	143S	8,6		9,2	260/270	79	RV-03/RVA-03
KB-8310	151S	8,6		10,9	320/320	81	RV-36/2xATV-25
KB-8315	152S	13		10,9	455/600	81	RV-36/2xATV-25
KB-8320	153S	19		10,9	650/780	81	RV-36/2xATV-25
KB-8415	162S	13		16,5	260/260	81	2xRV-03/2xATV-25

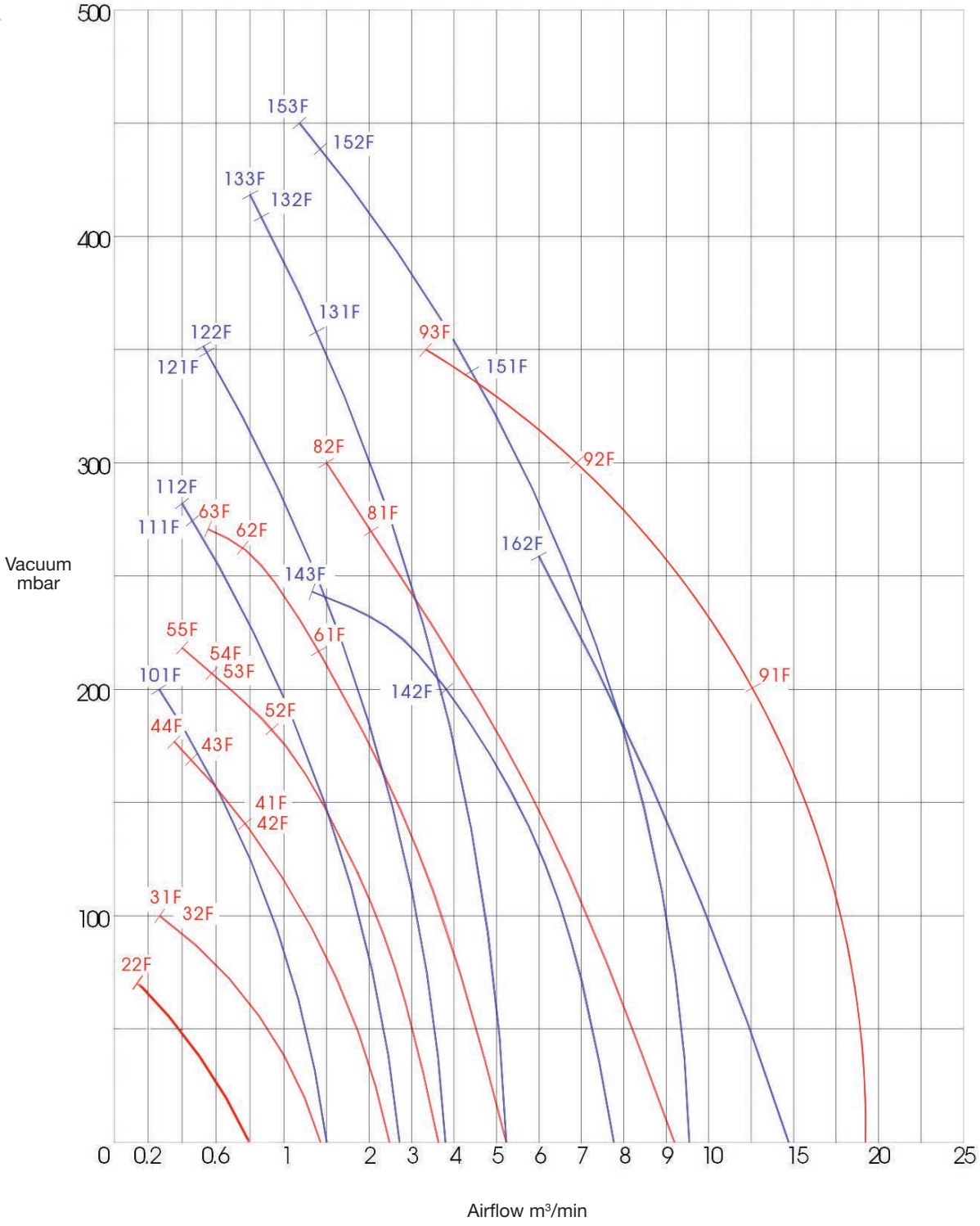
Red 1 phase

Black 3 phase

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Bi-metallic thermo switch is standard on motors from 5.5 kW and on all 1 phase models.

Vacuum KB-series 50 Hz



Red = Single-stage

Blue = Double-stage

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
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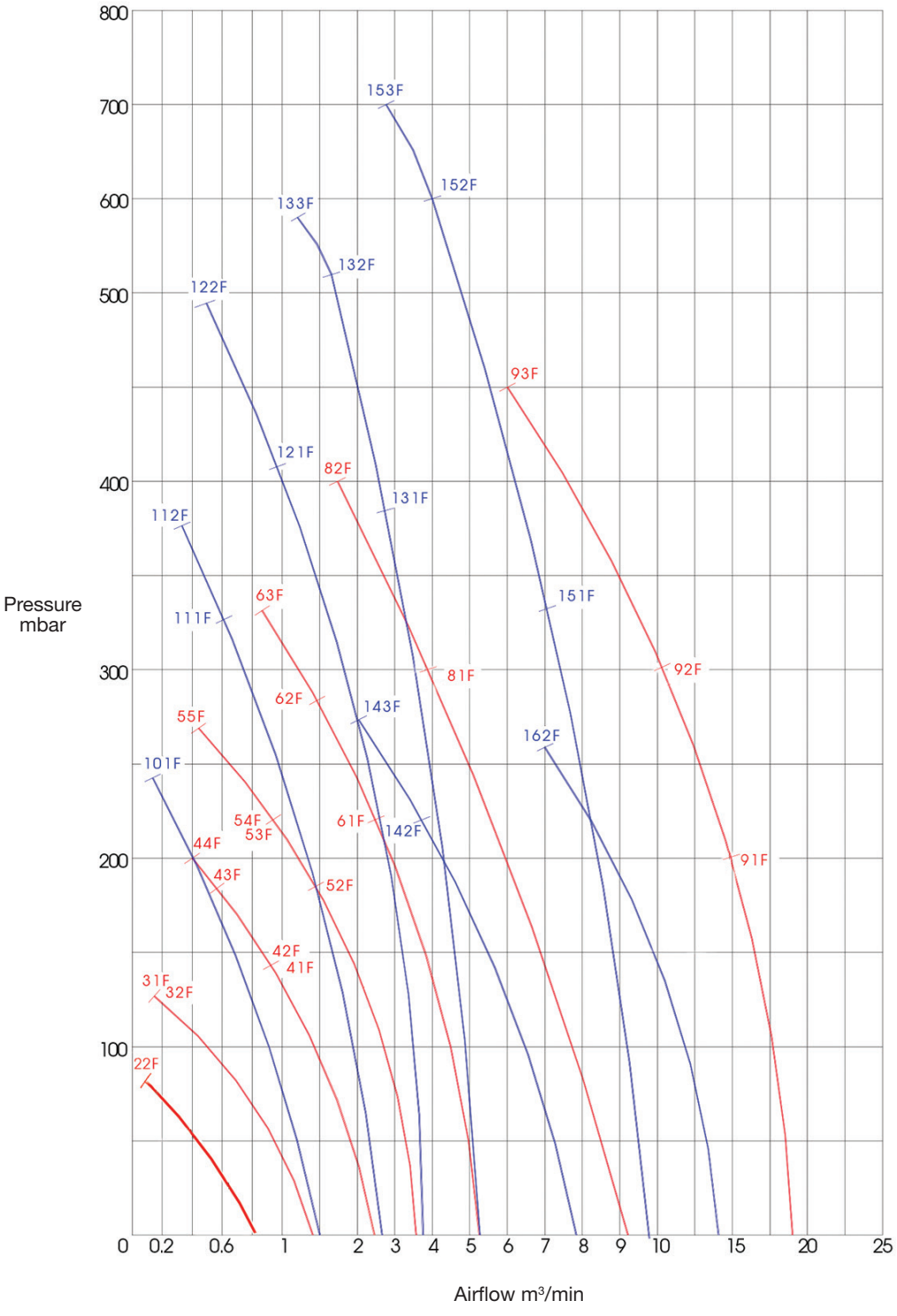
Pressure KB-series 50 Hz



Red = Single-stage

Blue = Double-stage

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
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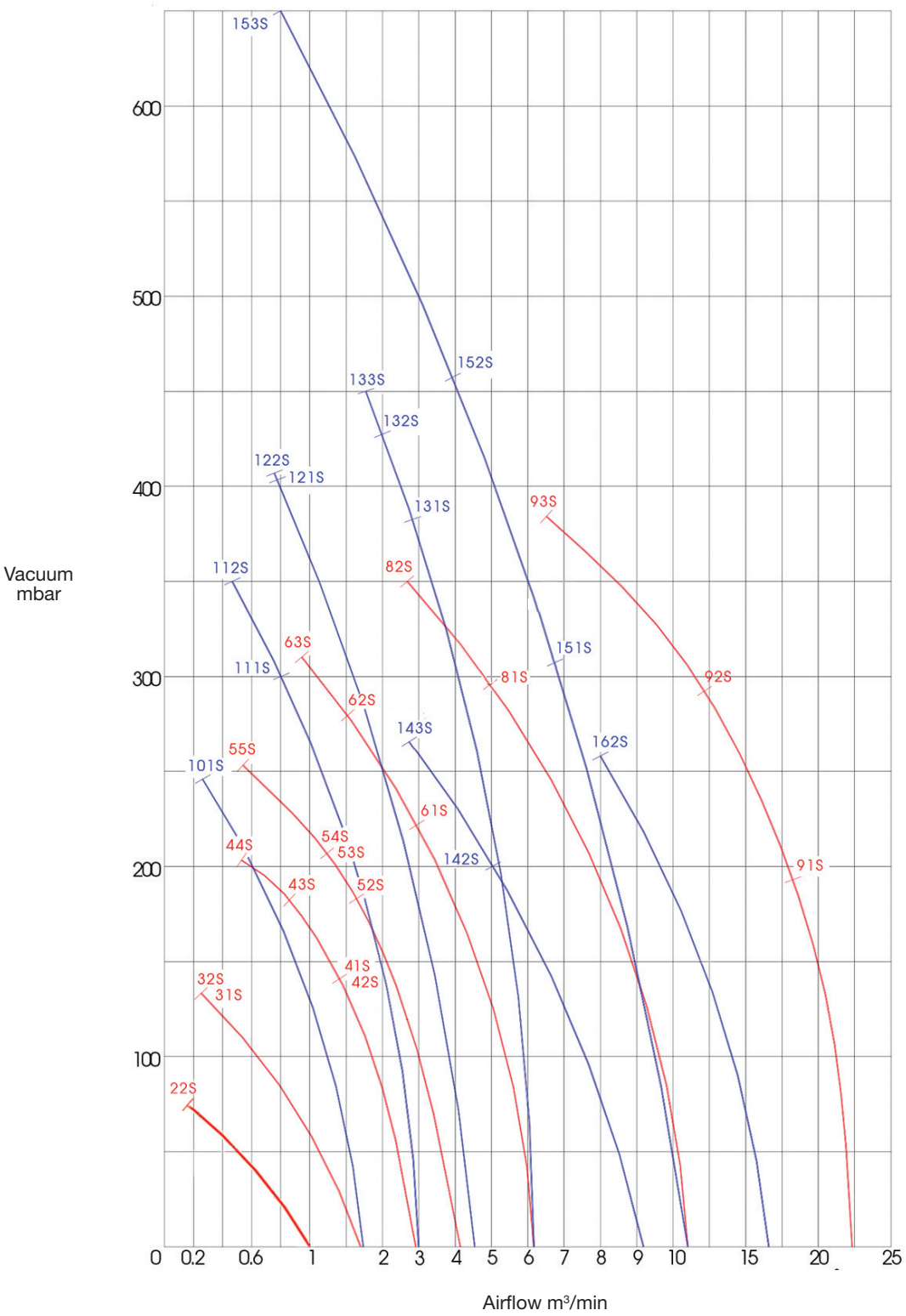
Vacuum KB-series 60 Hz



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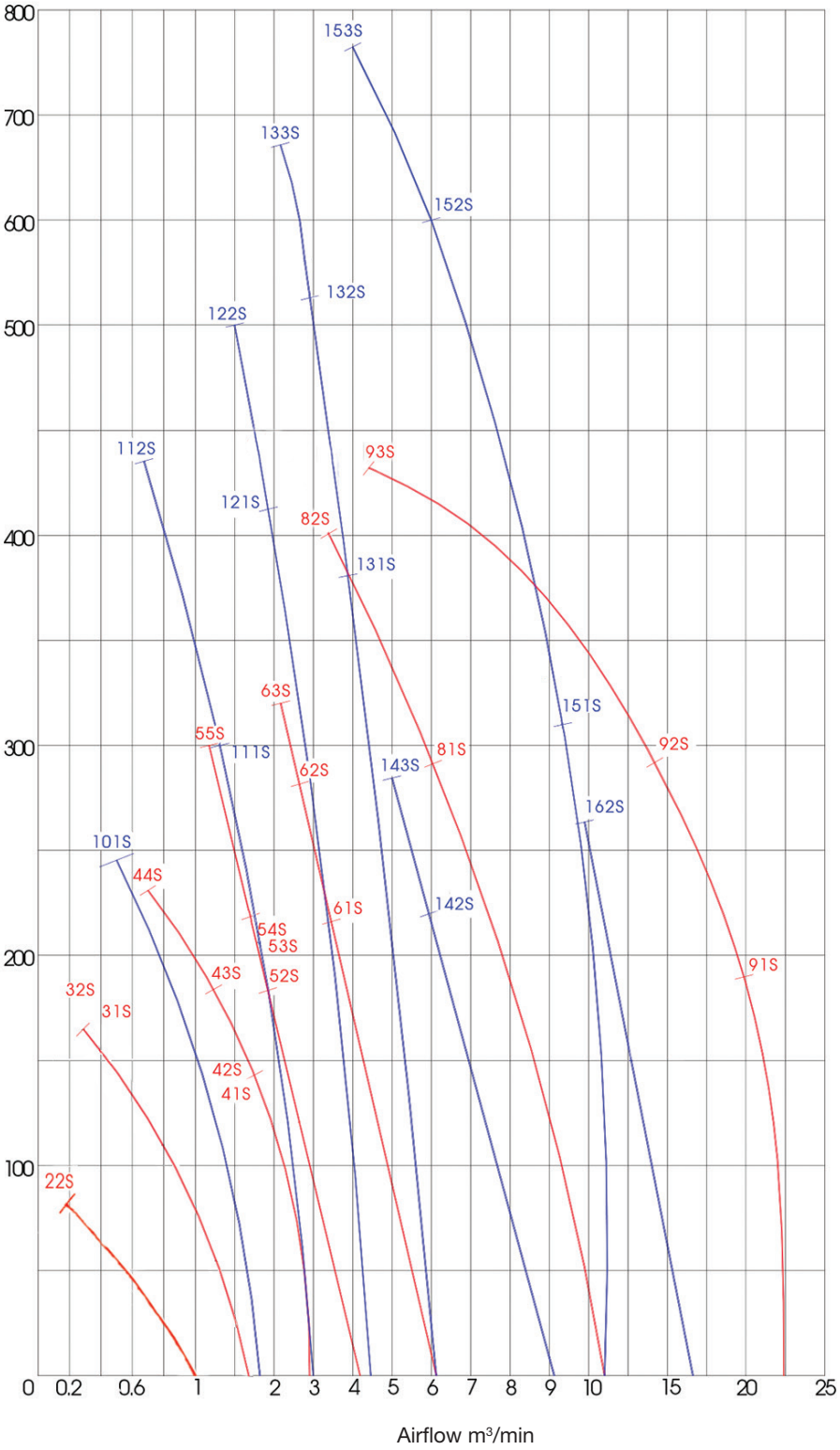
Pressure KB-series 60 Hz



Red = Single-stage

Blue = Double-stage

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 50 Hz vacuum

Model		Single-stage Vacuum										
Series 1	**mbar**	**0**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**
KB-129 0,2 kW	m³/min	0,8	0,72	0,66	0,56	0,48	0,38	0,25	0,12	-	-	-
KB-129-1 0,2 kW		0,8	0,72	0,66	0,56	0,48	0,38	0,25	0,12	-	-	-
Series 2	**mbar**	**0**	**20**	**40**	**60**	**80**	**100**	**110**	**120**	**130**	**140**	**150**
KB-229 0,4 kW	m³/min	1,4	1,25	0,92	0,8	0,63	0,41	0,25	-	-	-	-
KB-229-1 0,4 kW		1,4	1,25	0,92	0,8	0,63	0,41	0,25	-	-	-	-
KB-229L 0,4 kW		1,4	1,25	0,92	0,8	0,63	0,41	0,25	-	-	-	-
KB-229L-1 0,4 kW		1,4	1,25	0,92	0,8	0,63	0,41	0,25	-	-	-	-
Series 3	**mbar**	**0**	**20**	**40**	**60**	**80**	**100**	**120**	**140**	**165**	**175**	**185**
KB-329 0,75 kW	m³/min	2,4	2,2	1,85	1,75	1,4	1,25	0,9	0,75	-	-	-
KB-329-1 0,75 kW		2,4	2,2	1,85	1,75	1,4	1,25	0,9	0,75	-	-	-
KB-329L 0,75 kW		2,4	2,2	1,85	1,75	1,4	1,25	0,9	0,75	-	-	-
KB-329L-1 0,75 kW		2,4	2,2	1,85	1,75	1,4	1,25	0,9	0,75	-	-	-
KB-329 0,9 kW		2,4	2,2	1,85	1,75	1,4	1,25	0,9	0,75	0,43	-	-
KB-339 1,3kW		2,4	2,2	1,85	1,75	1,4	1,25	0,9	0,75	0,43	0,35	-
Series 4	**mbar**	**0**	**25**	**50**	**75**	**100**	**130**	**160**	**180**	**200**	**210**	**220**
KB-429 1,3 kW	m³/min	3,6	3,3	3,0	2,7	2,2	1,77	1,15	0,91	-	-	-
KB-429L 1,3 kW		3,6	3,3	3,0	2,7	2,2	1,77	1,15	0,91	-	-	-
KB-429-1 1,5 kW		3,6	3,3	3,0	2,7	2,2	1,77	1,15	0,91	0,68	0,52	-
KB-429 1,75 kW		3,6	3,3	3,0	2,7	2,2	1,77	1,15	0,91	0,68	0,52	-
KB-429L 1,75kW		3,6	3,3	3,0	2,7	2,2	1,77	1,15	0,91	0,68	0,52	-
KB-429 2,2 kW		3,6	3,3	3,0	2,7	2,2	1,77	1,15	0,91	0,68	0,52	0,38

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 50 Hz vacuum

Model		Single-stage (continued) Vacuum										
Series 5 & 6	**mbar**	**0**	**50**	**100**	**120**	**140**	**160**	**180**	**200**	**230**	**260**	**270**
KB-529 2,2 kW		5,2	4,5	3,6	3,2	2,8	2,3	1,9	1,65	1,18	-	-
KB-529-1 2,2 kW		5,2	4,5	3,6	3,2	2,8	2,3	1,9	1,65	1,18	-	-
KB-529L 2,2 kW		5,2	4,5	3,6	3,2	2,8	2,3	1,9	1,65	1,18	-	-
KB-629 3,4 kW	m^3/min	5,2	4,5	3,6	3,2	2,8	2,3	1,9	1,65	1,18	0,75	-
KB-629-1 3,4 kW		5,2	4,5	3,6	3,2	2,8	2,3	1,9	1,65	1,18	0,75	-
KB-629L 3,4 kW		5,2	4,5	3,6	3,2	2,8	2,3	1,9	1,65	1,18	0,75	-
KB-639 4,0 kW		5,2	4,5	3,6	3,2	2,8	2,3	1,9	1,65	1,18	0,75	0,55
Series 7 & 8	**mbar**	**0**	**50**	**100**	**130**	**160**	**180**	**200**	**230**	**250**	**270**	**300**
KB-729 5,5 kW	m^3/min	9,2	8,3	7,2	6,3	5,6	4,9	4,4	3,3	2,7	2,0	-
KB-829 7,5 kW		9,2	8,3	7,2	6,3	5,6	4,9	4,4	3,3	2,7	2,0	1,5
Series 9	**mbar**	**0**	**50**	**100**	**120**	**160**	**200**	**240**	**270**	**300**	**325**	**350**
KB-919 9,0 kW		18,9	18	17,8	16,7	15	12,5	-	-	-	-	-
KB-929 13,0 kW	m^3/min	18,9	18	17,8	16,7	15	12,5	9,5	8,4	6,8	-	-
KB-939 20,0 kW		18,9	18	17,8	16,7	15	12,5	9,5	8,4	6,8	5,2	3,2

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 50 Hz vacuum

Model		Double-stage Vacuum										
Series 23	**mbar**	**0**	**25**	**50**	**75**	**100**	**125**	**150**	**175**	**200**	**210**	**220**
KB-2308 0,75 kW	m³/min	1,5	1,4	1,25	1,1	0,9	0,8	0,7	0,45	0,25	-	-
Series 33	**mbar**	**0**	**50**	**100**	**130**	**160**	**180**	**200**	**220**	**250**	**275**	**280**
KB-3319 1,75 kW	m³/min	2,6	2,2	1,8	1,65	1,35	1,22	0,95	0,88	0,68	0,45	-
KB-3326 2,2 kW		2,6	2,2	1,8	1,65	1,35	1,22	0,95	0,88	0,68	0,45	0,4
Series 43	**mbar**	**0**	**50**	**100**	**150**	**200**	**250**	**275**	**300**	**325**	**345**	**355**
KB-4337 3,4 kW	m³/min	3,7	3,6	3,15	2,5	1,85	1,4	1,1	0,9	0,7	0,55	-
KB-4346 4,0 kW		3,7	3,6	3,15	2,5	1,85	1,4	1,1	0,9	0,7	0,55	0,45
Series 63	**mbar**	**0**	**50**	**100**	**150**	**200**	**250**	**300**	**330**	**360**	**410**	**420**
KB-6346 4,0 kW	m³/min	5,2	5,05	4,8	4,2	3,8	2,9	2,0	1,7	1,3	-	-
KB-6355 5,5 kW		5,2	5,05	4,8	4,2	3,8	2,9	2,0	1,7	1,3	0,85	-
KB-6375 7,5 kW		5,2	5,05	4,8	4,2	3,8	2,9	2,0	1,7	1,3	0,85	0,8
Series 64	**mbar**	**0**	**50**	**100**	**120**	**140**	**160**	**180**	**200**	**220**	**240**	**250**
KB-6455 5,5 kW	m³/min	7,8	7,25	6,55	6,2	5,7	5,2	4,4	3,8	-	-	-
KB-6475 7,5 kW		7,8	7,25	6,55	6,2	5,7	5,2	4,4	3,8	3,2	1,35	-
Series 83	**mbar**	**0**	**75**	**150**	**200**	**250**	**300**	**320**	**350**	**400**	**430**	**450**
KB-8310 7,5 kW	m³/min	9,6	9,2	8,4	7,6	6,7	5,5	5,0	-	-	-	-
KB-8315 11,0 kW		9,6	9,2	8,4	7,6	6,7	5,5	5,0	4,15	2,3	1,4	-
KB-8320 19,0 kW		9,6	9,2	8,4	7,6	6,7	5,5	5,0	4,15	2,3	1,4	1,2
Series 84	**mbar**	**0**	**25**	**50**	**75**	**100**	**125**	**150**	**175**	**200**	**230**	**260**
KB-8415 11,0 kW	m³/min	14,2	13,5	12,1	11,2	9,95	9,4	8,85	8,2	7,6	6,6	6,0

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 50 Hz pressure

Model		Single-stage Pressure										
Series 1	**mbar**	**0**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**
KB-129 0,2 kW	m³/min	0,8	0,72	0,66	0,56	0,48	0,38	0,25	0,12	-	-	-
KB-129-1 0,2 kW		0,8	0,72	0,66	0,56	0,48	0,38	0,25	0,12	-	-	-
Series 2	**mbar**	**0**	**20**	**40**	**60**	**80**	**100**	**110**	**120**	**130**	**140**	**150**
KB-229 0,4 kW	m³/min	1,4	1,2	1,0	0,88	0,8	0,5	0,35	0,25	0,15	-	-
KB-229-1 0,4 kW		1,4	1,2	1,0	0,88	0,8	0,5	0,35	025	0,15	-	-
KB-229L 0,4 kW		1,4	1,2	1,0	0,88	0,8	0,5	0,35	0,25	0,15	-	-
KB-229L-1 0,4 kW		1,4	1,2	1,0	0,88	0,8	0,5	0,35	025	0,15	-	-
Series 3	**mbar**	**0**	**20**	**40**	**60**	**80**	**100**	**120**	**140**	**160**	**180**	**200**
KB-329 0,75 kW	m³/min	2,4	2,2	2,0	1,82	1,75	1,4	1,2	0,9	-	-	-
KB-329-1 0,75 kW		2,4	2,2	2,0	1,82	1,75	1,4	1,2	0,9	-	-	-
KB-329L 0,75 kW		2,4	2,2	2,0	1,82	1,75	1,4	1,2	0,9	-	-	-
KB-329L-1 0,75 kW		2,4	2,2	2,0	1,82	1,75	1,4	1,2	0,9	-	-	-
KB-329 0,9 kW		2,4	2,2	2,0	1,82	1,75	1,4	1,2	0,9	0,75	0,52	-
KB-339 1,3kW		2,4	2,2	2,0	1,82	1,75	1,4	1,2	0,9	0,75	0,52	0,4
Series 4	**mbar**	**0**	**40**	**80**	**100**	**130**	**150**	**180**	**200**	**220**	**250**	**270**
KB-429 1,3 kW	m³/min	3,6	3,15	3,0	2,7	2,2	1,8	1,45	-	-	-	-
KB-429L 1,3 kW		3,6	3,15	3,0	2,7	2,2	1,8	1,45	-	-	-	-
KB-429-1 1,5 kW		3,6	3,15	3,0	2,7	2,2	1,8	1,45	1,2	0,87	-	-
KB-429 1,75 kW		3,6	3,15	3,0	2,7	2,2	1,8	1,45	1,2	0,87	-	-
KB-429L 1,75kW		3,6	3,15	3,0	2,7	2,2	1,8	1,45	1,2	0,87	-	-
KB-429 2,2 kW		3,6	3,15	3,0	2,7	2,2	1,8	1,45	1,2	0,87	0,73	0,45

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 50 Hz pressure

Model		Single-stage (continued) Pressure										
Series 5 & 6	**mbar**	**0**	**50**	**100**	**150**	**175**	**200**	**230**	**250**	**280**	**300**	**330**
KB-529 2,2 kW		5,2	4,95	4,4	3,75	3,2	2,95	2,2	-	-	-	-
KB-529-1 2,2 kW		5,2	4,95	4,4	3,75	3,2	2,95	2,2	-	-	-	-
KB-529L 2,2 kW		5,2	4,95	4,4	3,75	3,2	2,95	2,2	-	-	-	-
KB-629 3,4 kW	m³/min	5,2	4,95	4,4	3,75	3,2	2,95	2,2	1,85	1,5	-	-
KB-629-1 3,4 kW		5,2	4,95	4,4	3,75	3,2	2,95	2,2	1,85	1,5	-	-
KB-629L 3,4 kW		5,2	4,95	4,4	3,75	3,2	2,95	2,2	1,85	1,5	-	-
KB-639 4,0 kW		5,2	4,95	4,4	3,75	3,2	2,95	2,2	1,85	1,5	1,2	0,85
Series 7 & 8	**mbar**	**0**	**50**	**100**	**150**	**200**	**250**	**300**	**325**	**350**	**375**	**400**
KB-729 5,5 kW	m³/min	9,2	8,4	7,75	6,9	5,92	4,95	3,85	-	-	-	-
KB-829 7,5 kW		9,2	8,4	7,75	6,9	5,92	4,95	3,85	3,25	2,6	2,1	1,85
Series 9	**mbar**	**0**	**50**	**100**	**150**	**200**	**250**	**300**	**325**	**350**	**400**	**450**
KB-919 9,0 kW		18,9	18,5	17,8	16,0	14,5	-	-	-	-	-	-
KB-929 13,0 kW	m³/min	18,9	18,5	17,8	16,0	14,5	13,0	10,8	-	-	-	-
KB-939 20,0 kW		18,9	18,5	17,8	16,0	14,5	13,0	10,8	9,5	8,95	7,6	6,0

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 50 Hz pressure

Model		Double-stage Pressure										
Series 23	**mbar**	**0**	**25**	**50**	**75**	**100**	**125**	**150**	**175**	**200**	**220**	**240**
KB-2308 0,75 kW	m³/min	1,5	1,35	1,18	1,0	0,9	0,75	0,65	0,53	0,4	0,25	0,13
Series 33	**mbar**	**0**	**50**	**100**	**150**	**200**	**250**	**275**	**300**	**320**	**350**	**375**
KB-3319 1,75 kW	m³/min	2,6	2,2	1,18	1,0	0,9	0,75	0,65	0,53	0,4	-	-
KB-3326 2,2 kW		2,6	2,2	1,18	1,0	0,9	0,75	0,65	0,53	0,4	0,25	0,13
Series 43	**mbar**	**0**	**50**	**100**	**150**	**200**	**250**	**300**	**350**	**410**	**450**	**495**
KB-4337 3,4 kW	m³/min	3,7	3,65	3,5	3,15	2,9	2,3	1,8	1,45	0,85	-	-
KB-4346 4,0 kW		3,7	3,65	3,5	3,15	2,9	2,3	1,8	1,45	0,85	0,73	0,5
Series 63	**mbar**	**0**	**100**	**200**	**250**	**300**	**380**	**400**	**450**	**515**	**550**	**580**
KB-6346 4,0 kW	m³/min	5,2	4,9	4,3	3,95	3,5	2,65	-	-	-	-	
KB-6355 5,5 kW		5,2	4,9	4,3	3,95	3,5	2,65	2,52	2,0	1,65	-	-
KB-6375 7,5 kW		5,2	4,9	4,3	3,95	3,5	2,65	2,52	2,0	1,65	1,53	1,35
Series 64	**mbar**	**0**	**50**	**100**	**120**	**140**	**160**	**180**	**200**	**220**	**250**	**270**
KB-6455 5,5 kW	m³/min	7,8	7,25	6,48	6,2	5,7	5,3	4,8	4,3	3,7	-	-
KB-6475 7,5 kW		7,8	7,25	6,48	6,2	5,7	5,3	4,8	4,3	3,7	2,8	2,3
Series 83	**mbar**	**0**	**75**	**150**	**250**	**320**	**400**	**500**	**550**	**600**	**650**	**700**
KB-8310 7,5 kW	m³/min	9,6	9,3	8,8	7,9	7,2	-	-	-	-	-	-
KB-8315 11,0 kW		9,6	9,3	8,8	7,9	7,2	6,2	4,7	4,3	4,0	-	-
KB-8320 19,0 kW		9,6	9,3	8,8	7,9	7,2	6,2	4,7	4,3	4,0	3,5	2,8
Series 84	**mbar**	**0**	**25**	**50**	**75**	**100**	**125**	**150**	**175**	**200**	**230**	**260**
KB-8415 11,0 kW	m³/min	14,2	13,4	12,9	12,5	12,1	11,0	9,9	9,2	8,8	7,8	7,0

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 60 Hz vacuum

Model		Single-stage Vacuum										
Series 1	**mbar**	**0**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**75**	**80**	**90**
KB-129 0,25 kW	m^3/min	1,0	0,92	0,85	0,8	0,7	0,62	0,47	0,28	0,15	-	-
KB-129-1 0,25 kW		1,0	0,92	0,85	0,8	0,7	0,62	0,47	0,28	0,15	-	-
Series 2	**mbar**	**0**	**20**	**40**	**60**	**80**	**100**	**110**	**120**	**130**	**140**	**150**
KB-229 0,5 kW	m^3/min	1,7	1,5	1,25	1,07	0,85	0,7	0,57	0,5	0,32	0,25	-
KB-229-1 0,5 kW		1,7	1,5	1,25	1,07	0,85	0,7	0,57	0,5	0,32	0,25	-
KB-229L 0,5 kW		1,7	1,5	1,25	1,07	0,85	0,7	0,57	0,5	0,32	0,25	-
KB-229L-1 0,5 kW		1,7	1,5	1,25	1,07	0,85	0,7	0,57	0,5	0,32	0,25	-
Series 3	**mbar**	**0**	**20**	**40**	**60**	**80**	**100**	**120**	**140**	**160**	**180**	**205**
KB-329 0,85 kW	m^3/min	2,9	2,7	2,5	2,2	2,0	1,8	1,65	1,4	-	-	-
KB-329-1 0,85 kW		2,9	2,7	2,5	2,2	2,0	1,8	1,65	1,4	-	-	-
KB-329L 0,85 kW		2,9	2,7	2,5	2,2	2,0	1,8	1,65	1,4	-	-	-
KB-329L-1 0,85 kW		2,9	2,7	2,5	2,2	2,0	1,8	1,65	1,4	-	-	-
KB-329 1,1 kW		2,9	2,7	2,5	2,2	2,0	1,8	1,65	1,4	1,2	0,85	-
KB-339 1,5 kW		2,9	2,7	2,5	2,2	2,0	1,8	1,65	1,4	1,2	0,85	0,55
Series 4	**mbar**	**0**	**25**	**50**	**75**	**100**	**140**	**180**	**210**	**230**	**255**	**280**
KB-429 1,5 kW	m^3/min	4,2	3,85	3,7	3,3	3,0	2,2	1,65	-	-	-	-
KB-429L 1,5 kW		4,2	3,85	3,7	3,3	3,0	2,2	1,65	-	-	-	-
KB-429-1 1,75kW		4,2	3,85	3,7	3,3	3,0	2,2	1,65	1,25	-	-	-
KB-429 1,9 kW		4,2	3,85	3,7	3,3	3,0	2,2	1,65	1,25	-	-	-
KB-429L 1,9kW		4,2	3,85	3,7	3,3	3,0	2,2	1,65	1,25	-	-	-
KB-429 2,6 kW		4,2	3,85	3,7	3,3	3,0	2,2	1,65	1,2t	0,83	0,57	-

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 60 Hz vacuum

Model		Single-stage (continued) Vacuum										
Series 5 & 6	**mbar**	**0**	**50**	**100**	**130**	**160**	**180**	**200**	**220**	**250**	**280**	**315**
KB-529 2,6 kW	m³/min	6,2	5,8	5,4	4,9	4,4	4,0	3,5	2,9	-	-	-
KB-529-1 2,6 kW		6,2	5,8	5,4	4,9	4,4	4,0	3,5	2,9	-	-	-
KB-529L 2,6 kW		6,2	5,8	5,4	4,9	4,4	4,0	3,5	2,9	-	-	-
KB-629 3,7 kW		6,2	5,8	5,4	4,9	4,4	4,0	3,5	2,9	2,0	1,55	-
KB-629-1 3,7 kW		6,2	5,8	5,4	4,9	4,4	4,0	3,5	2,9	2,0	1,55	-
KB-629L 3,7 kW		6,2	5,8	5,4	4,9	4,4	4,0	3,5	2,9	2,0	1,55	-
KB-639 4,6 kW		6,2	5,8	5,4	4,9	4,4	4,0	3,5	2,9	2,0	1,55	0,95
Series 7 & 8	**mbar**	**0**	**50**	**100**	**130**	**160**	**180**	**200**	**250**	**290**	**320**	**350**
KB-729 6,3 kW	m³/min	10,9	10,7	9,7	9,2	8,8	8,2	7,85	6,5	5,15	-	-
KB-829 8,6 kW		10,9	10,7	9,7	9,2	8,8	8,2	7,85	6,5	5,15	4,1	2,7
Series 9	**mbar**	**0**	**50**	**100**	**150**	**190**	**230**	**260**	**290**	**320**	**350**	**370**
KB-919 11,0 kW	m³/min	22,4	21,8	21,2	20,0	18,2	-	-	-	-	-	-
KB-929 15,0 kW		22,4	21,8	21,2	20,0	18,2	16,3	14,0	12,1	-	-	-
KB-939 23,0 kW		22,4	21,8	21,2	20,0	18,2	16,3	14,0	12,1	9,8	8,5	7,4

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 60 Hz vacuum

Model		Double-stage Vacuum										
Series 23	**mbar**	**0**	**25**	**50**	**75**	**100**	**125**	**150**	**175**	**200**	**220**	**245**
KB-2308 0,85 kW	m³/min	1,8	1,7	1,51	1,38	1,25	1,07	0,9	0,78	0,63	0,46	0,28
Series 33	**mbar**	**0**	**50**	**100**	**150**	**200**	**220**	**225**	**275**	**300**	**325**	**350**
KB-3319 1,9 kW	m³/min	3,0	2,9	2,4	2,0	1,65	1,35	1,2	0,91	0,8	-	-
KB-3319 2,6 kW		3,0	2,9	2,4	2,0	1,65	1,35	1,2	0,91	0,8	0,65	0,47
Series 43	**mbar**	**0**	**50**	**100**	**150**	**200**	**250**	**275**	**300**	**350**	**405**	**410**
KB-4337 3,7 kW	m³/min	4,5	4,15	3,9	3,3	2,8	2,0	1,8	1,62	1,18	0,78	-
KB-4346 4,6 kW		4,5	4,15	3,9	3,3	2,8	2,0	1,8	1,62	1,18	0,78	0,75
Series 63	**mbar**	**0**	**50**	**100**	**200**	**250**	**300**	**350**	**380**	**400**	**425**	**450**
KB-6346 4,6 kW	m³/min	6,2	6,05	5,9	5,2	4,8	4,05	3,3	2,8	-	-	-
KB-6355 6,3 kW		6,2	6,05	5,9	5,2	4,8	4,05	3,3	2,8	2,5	2,0	-
KB-6375 8,6 kW		6,2	6,05	5,9	5,2	4,8	4,05	3,3	2,8	2,5	2,0	1,8
Series 64	**mbar**	**0**	**50**	**100**	**120**	**140**	**160**	**180**	**200**	**220**	**240**	**260**
KB-6455 6,3 kW	m³/min	9,2	8,5	7,7	7,15	6,8	6,2	5,6	5,0	-	-	-
KB-6475 8,6 kW		9,2	8,5	7,7	7,15	6,8	6,2	5,6	5,0	4,4	3,65	2,6
Series 83	**mbar**	**0**	**75**	**150**	**200**	**320**	**400**	**455**	**500**	**550**	**600**	**650**
KB-8310 8,6 kW	m³/min	10,9	9,8	8,8	8,35	6,5	-	-	-	-	-	-
KB-8315 13,0 kW		10,9	9,8	8,8	8,35	6,5	5,2	3,9	-	-	-	-
KB-8320 19,0 kW		10,9	9,8	8,8	8,35	6,5	5,2	3,9	3,0	1,8	1,25	0,8
Series 84	**mbar**	**0**	**25**	**50**	**75**	**100**	**125**	**150**	**175**	**200**	**230**	**260**
KB-8415 13,0 kW	m³/min	16,5	16,2	15,9	14,9	13,7	13,0	11,9	10,8	9,8	8,8	8,0

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 60 Hz pressure

Model		Single-stage Pressure										
Series 1	**mbar**	**0**	**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**	**90**	**100**
KB-129 0,25 kW	m³/min	1,0	0,95	0,9	0,85	0,75	0,68	0,51	0,4	0,2	-	-
KB-129-1 0,25 kW		1,0	0,95	0,9	0,85	0,75	0,68	0,51	0,4	0,2	-	-
Series 2	**mbar**	**0**	**20**	**40**	**60**	**80**	**100**	**120**	**140**	**160**	**170**	**180**
KB-229 0,5 kW	m³/min	1,7	1,6	1,5	1,13	1,0	0,87	0,75	0,55	0,42	0,3	-
KB-229-1 0,5 kW		1,7	1,6	1,5	1,13	1,0	0,87	0,75	0,55	0,42	0,3	-
KB-229L 0,5 kW		1,7	1,6	1,5	1,13	1,0	0,87	0,75	0,55	0,42	0,3	-
KB-229L-1 0,5 kW		1,7	1,6	1,5	1,13	1,0	0,87	0,75	0,55	0,42	0,3	-
Series 3	**mbar**	**0**	**30**	**60**	**80**	**100**	**120**	**140**	**160**	**180**	**200**	**230**
KB-329 0,85 kW	m³/min	2,9	2,8	2,7	2,5	2,2	2,0	1,75	-	-	-	-
KB-329-1 0,85 kW		2,9	2,8	2,7	2,5	2,2	2,0	1,75	-	-	-	-
KB-329L 0,85 kW		2,9	2,8	2,7	2,5	2,2	2,0	1,75	-	-	-	-
KB-329L-1 0,85 kW		2,9	2,8	2,7	2,5	2,2	2,0	1,75	-	-	-	-
KB-329 1,1 kW		2,9	2,8	2,7	2,5	2,2	2,0	1,75	1,5	1,2	-	-
KB-339 1,5 kW		2,9	2,8	2,7	2,5	2,2	2,0	1,75	1,5	1,2	0,95	0,7
Series 4	**mbar**	**0**	**40**	**80**	**120**	**140**	**160**	**180**	**200**	**220**	**250**	**300**
KB-429 1,5 kW	m³/min	4,2	3,7	3,2	2,7	2,3	2,1	1,9	-	-	-	-
KB-429L 1,5 kW		4,2	3,7	3,2	2,7	2,3	2,1	1,9	-	-	-	-
KB-429-1 1,75 kW		4,2	3,7	3,2	2,7	2,3	2,1	1,9	1,8	1,7	-	-
KB-429 1,9 kW		4,2	3,7	3,2	2,7	2,3	2,1	1,9	1,8	1,7	-	-
KB-429L 1,9kW		4,2	3,7	3,2	2,7	2,3	2,1	1,9	1,8	1,7	-	-
KB-429 2,6 kW		4,2	3,7	3,2	2,7	2,3	2,1	1,9	1,8	1,7	1,5	1,18

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 60 Hz pressure

Model		Single-stage (continued) Pressure										
Series 5 & 6	mbar	0	50	100	150	175	200	220	250	280	300	320
KB-529 2,6 kW		6,2	5,5	4,95	4,2	3,95	3,65	3,45	-	-	-	-
KB-529-1 2,6 kW		6,2	5,5	4,95	4,2	3,95	3,65	3,45	-	-	-	-
KB-529L 2,6 kW		6,2	5,5	4,95	4,2	3,95	3,65	3,45	-	-	-	-
KB-629 3,7 kW	m^3/min	6,2	5,5	4,95	4,2	3,95	3,65	3,45	3,0	2,6	-	-
KB-629-1 3,7 kW		6,2	5,5	4,95	4,2	3,95	3,65	3,45	3,0	2,6	-	-
KB-629L 3,7 kW		6,2	5,5	4,95	4,2	3,95	3,65	3,45	3,0	2,6	-	-
KB-639 4,6 kW		6,2	5,5	4,95	4,2	3,95	3,65	3,45	3,0	2,6	2,3	2,1
Series 7 & 8	mbar	0	50	100	150	220	290	300	325	350	375	400
KB-729 6,3 kW	m^3/min	10,9	9,8	9,3	8,6	7,5	6,1	-	-	-	-	-
KB-829 8,6 kW		10,9	9,8	9,3	8,6	7,5	6,1	5,9	5,2	4,8	4,1	3,4
Series 9	mbar	0	50	100	150	190	250	290	325	350	400	430
KB-919 11,0 kW		22,4	22,35	22,3	21,7	20,2	-	-	-	-	-	
KB-929 15,0 kW	m^3/min	22,4	22,35	22,3	21,7	20,2	16,8	14,0	-	-	-	-
KB-939 23,0 kW		22,4	22,35	22,3	21,7	20,2	16,8	14,0	11,9	9,8	7,3	4,4

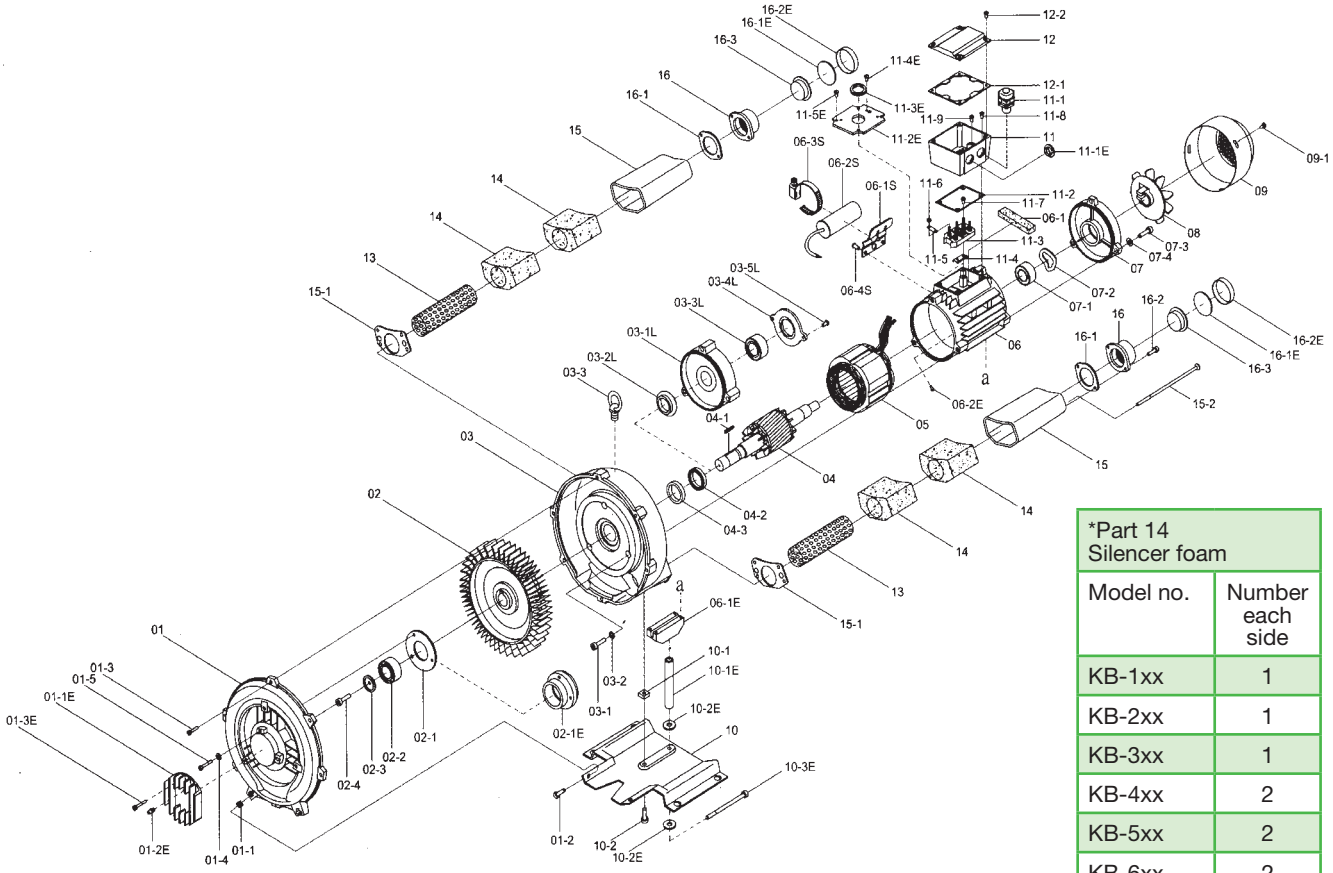
The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Technical data 60 Hz pressure

Model		Double-stage Pressure										
Series 23	mbar	0	25	50	75	100	125	150	175	200	220	245
KB-2308 0,85 kW	m³/min	1,8	1,75	1,65	1,55	1,4	1,22	1,05	0,9	0,75	0,65	0,5
Series 33	mbar	0	50	100	150	200	250	300	325	350	400	435
KB-3319 1,9 kW	m³/min	3,0	2,8	2,5	2,1	1,8	1,6	1,35	-	-	-	-
KB-3326 2,6 kW		3,0	2,8	2,5	2,1	1,8	1,6	1,35	1,18	0,98	0,8	0,68
Series 43	mbar	0	50	100	150	200	250	300	350	415	450	500
KB-4337 3,7 kW	m³/min	4,5	4,2	4,0	3,8	3,45	3,15	2,85	2,4	1,85	-	-
KB-4346 4,6 kW		4,5	4,2	4,0	3,8	3,45	3,15	2,85	2,4	1,85	1,75	1,5
Series 63	mbar	0	75	150	200	250	300	380	450	530	600	675
KB-6346 4,6 kW	m³/min	6,2	5,8	5,3	5,0	4,8	4,38	3,9	-	-	-	-
KB-6355 6,3 kW		6,2	5,8	5,3	5,0	4,8	4,38	3,9	3,4	2,9	-	-
KB-6375 8,6 kW		6,2	5,8	5,3	5,0	4,8	4,38	3,9	3,4	2,9	2,7	2,3
Series 64	mbar	0	50	100	120	140	160	180	200	220	250	270
KB-6455 6,3 kW	m³/min	9,2	8,4	7,65	7,4	7,05	6,8	6,45	6,25	5,9	-	-
KB-6475 8,6 kW		9,2	8,4	7,65	7,4	7,05	6,8	6,45	6,25	5,9	5,4	5,2
Series 83	mbar	0	100	200	320	400	500	550	600	650	700	780
KB-8310 8,6 kW	m³/min	10,9	10,8	10,2	9,2	-	-	-	-	-	-	-
KB-8315 13,0 kW		10,9	10,8	10,2	9,2	8,3	6,92	6,45	6,0	-	-	-
KB-8320 19,0 kW		10,9	10,8	10,2	9,2	8,3	6,92	6,45	6,0	5,35	4,85	4,0
Series 84	mbar	0	25	50	75	100	125	150	175	200	230	260
KB-8415 13,0 kW	m³/min	16,5	15,7	15,2	14,2	13,8	13,0	12,6	12,0	11,2	10,8	9,95

The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

System drawing

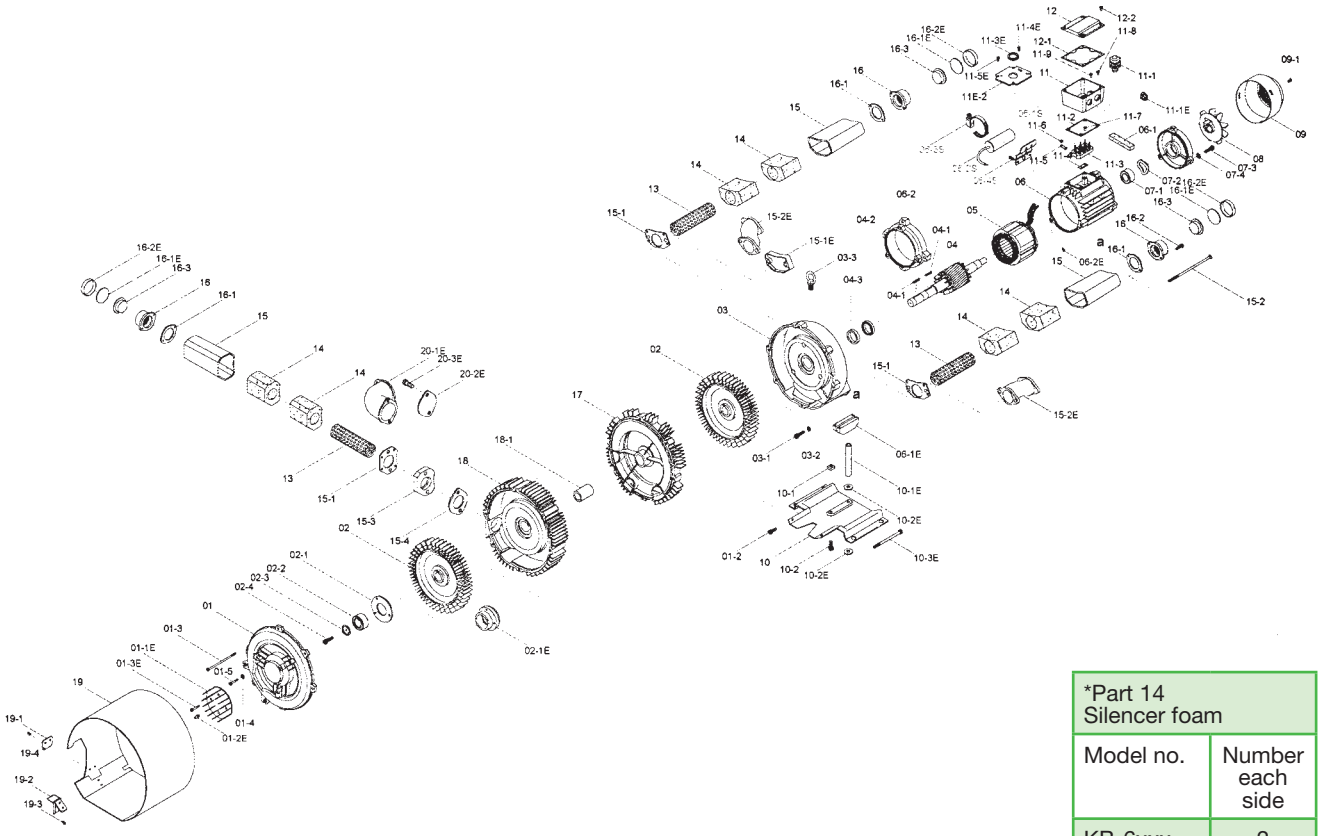


*Part 14 Silencer foam	
Model no.	Number each side
KB-1xx	1
KB-2xx	1
KB-3xx	1
KB-4xx	2
KB-5xx	2
KB-6xx	2
KB-7xx	3
KB-8xx	3
KB-9xx	5

Parts list

Part	Description	Part	Description	Part	Description	Part	Description
01	Compressor cover	04	Rotor	08	Fan	12	Upper terminal box
01-1E	Front bearing cover	04-1	Key	09	Fan cover	12-1	Rubber gasket (upper)
01-2E	Nippel	04-2	Oil seal	10	Base	13	Silencer mesh
02	Impeller	04-3	Felt ring	10-1E	Support	14*	Silencer foam
02-1	Inner bearing cover	05	Stator & coil	11	Lower terminal box	15	Silencer casing
02-2	Front bearing	06	Motor housing	11-1	Cable gland	15-1	Silencer gasket
02-3	Disc	06-1	Sponge filler	11-2	Rubber gasket (lower)	16	Inlet/outlet
02-1E	Bearing socket	06-1E	Bracket	11-3	Terminal board	16-1	Inlet (outlet) gasket
03	Compressure housing	06-1S	Capacitor bracket	11-4	Board case	16-3	Inlet (outlet) plug
03-3	Eye bolt	06-2S	Capacitor	11-5	Wire connection	16-1E	Inlet (outlet) plate
03-1L	A-shield (L-Model)	06-3S	Steel clip	11-6	Nut	16-2E	Inlet (outlet) cover
03-2L	VA-seal (L-Model)	07	Motor cover	11-1E	Plug	Parts not listed are standard ones, e.g. nut, screw, washer....	
03-3L	Front bearing WP (L-Model)	07-1	Rear bearing	11-2E	Steel plate		
03-4L	Bearing washer (L-Model)	07-2	Wave washer	11-3E	Rubber ring		

System drawing



*Part 14 Silencer foam	
Model no.	Number each side
KB-6xxx	2
KB-7xxx	3
KB-8xxx	3
KB-9xxx	5

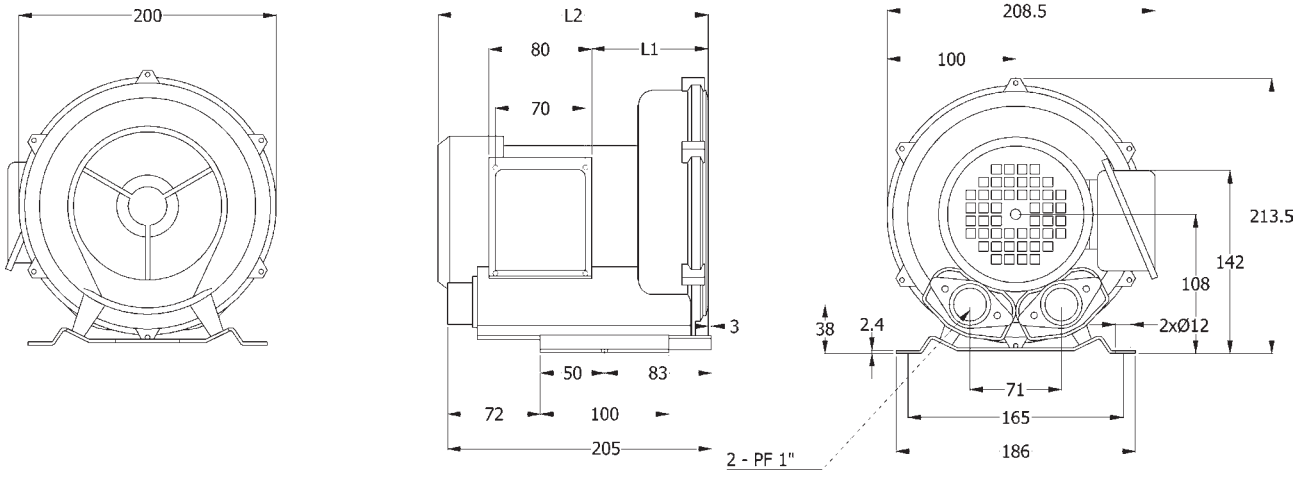
Parts list

Part	Description	Part	Description	Part	Description	Part	Description
01	Compressor cover	06-1	Sponge filter	11-4	Board base	15-2E	Extension Pipe
01-1E	Front bearing cover	06-2	A-shield	11-5	Wire connection	16	Inlet/outlet flange
01-2E	Nippel	06-1S	Capacitor bracket	11-6	Nut	16-1	Inlet/outlet gasket
02	Impeller	06-2S	Capacitor	11-1E	Plug	16-3	Inlet/outlet plug
02-1	Inner bearing cover	06-3S	Steel clip	11-2E	Steel plate	16-1E	Inlet/outlet plate
02-2	Front bearing	07	Motor cover	11-3E	Rubber ring	16-2E	Inlet/outlet cover
02-3	Disc	07-1	Rear bearing	12	Upper terminal box	17	Middle cover
02-1E	Bearing socket	07-2	Wave washer	12-1	Rubber gasket (upper)	18	Middle housing
03	Compressor housing	08	Fan	13	Silencer mesh	18-1	Spacer
03-3	Eyebolt	09	Fan cover	14*	Silencer foam	19	Protective cap
04	Rotor	10	Base	15	Silencer casing	19-1	Buckle (upper)
04-1	Key	10-1E	Support	15-1	Silencer gasket	19-2	Buckle (under)
04-2	Oil seal	11	Lower terminal box	15-3	Silencer block	20-1E	90° extension pipe
04-3	Feltring	11-1	Cable gland	15-4	Silencer gasket/block	20-2E	End cover
05	Stator	11-2	Rubber gasket (upper)			Parts not listed are standard ones, e.g. nut, screw, washer....	
06	Motor housing	11-3	Terminal board	15-1E	Outlet cover		

Specifications type KB 1..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch for 1-phase models

Type no.		KB-129	KB-129-1
Phases		3	1
Output kW	50Hz	0,20	0,20
	60Hz	0,25	0,25
Voltage Volt	50Hz	230/400	230
	60Hz	276/480	230
Current Amp	50Hz	1,2/0,69	3,4/1,7
	60Hz	1,3/0,75	3,6/1,8
Vacuum mbar	50Hz	70	70
	60Hz	75	75
Pressure mbar	50Hz	70	70
	60Hz	80	80
Airflow m^3/min	50Hz	0,8	0,8
	60Hz	1,0	1,0
Insulation class		F	F
L1		90	90
L2		209,5	209,5
Weight	Kg	6,5	6,5

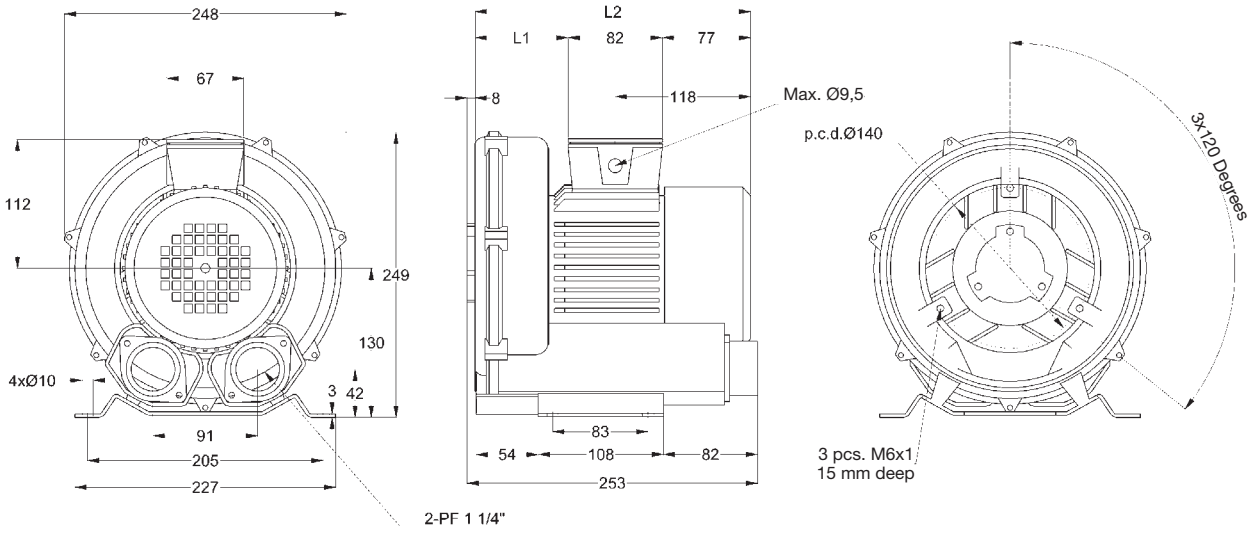


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 2..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch for 1-phase models

Type no.		KB-229	KB-229-1	KB-229L	KB-229L-1
Phases		3	1	3	1
Output kW	50Hz	0,4	0,4	0,4	0,4
	60Hz	0,5	0,5	0,5	0,5
Voltage Volt	50Hz	230/400	230	230/400	230
	60Hz	276/480	276	276/480	276
Current Amp	50Hz	2,1/1,2	5,6/2,8	2,1/1,2	5,6/2,8
	60Hz	2,3/1,3	5,8/2,9	2,3/1,3	5,8/2,9
Vacuum mbar	50Hz	110	110	110	110
	60Hz	140	140	140	140
Pressure mbar	50Hz	130	130	130	130
	60Hz	170	170	170	170
Airflow m^3/min	50Hz	1,4	1,4	1,4	1,4
	60Hz	1,7	1,7	1,7	1,7
Insulation class		F	F	F	F
L1		80	80	103	103
L2		239	239	262	262
Weight	Kg	11	11,5	11,5	12

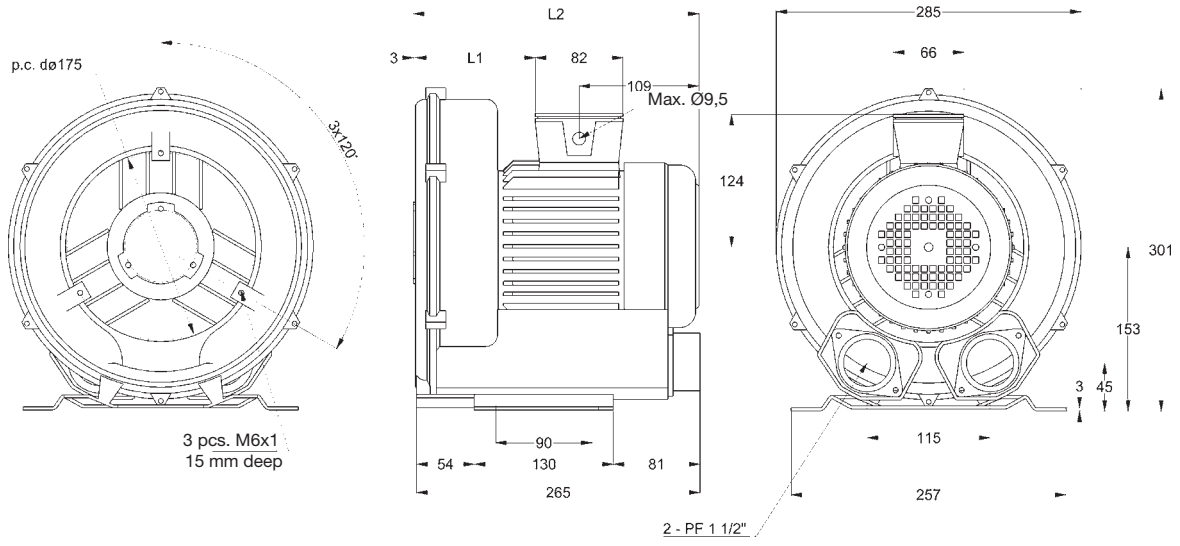


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 3..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch for 1-phase models
- Available with 3-phase IE2 motor

Type no.		KB-329	KB-329-1	KB-329L	KB-329L-1	KB-329	KB-339
Phases		3	1	3	1	3	3
Output kW	50Hz	0,75	0,75	0,75	0,75	0,9	1,3
	60Hz	0,85	0,85	0,85	0,85	1,1	1,5
Voltage Volt	50Hz	230/400	230	230/400	230	230/400	230/400
	60Hz	276/480	276	276/480	276	276/480	276/480
Current Amp	50Hz	3,3/1,9	13/6,5	3,3/1,9	13/6,5	4,2/2,4	4,6/2,7
	60Hz	3,6/2,1	14/7	3,6/2,1	14/7	4,5/2,6	5,2/3,0
Vacuum mbar	50Hz	140	140	140	140	165	175
	60Hz	140	140	140	140	180	205
Pressure mbar	50Hz	140	140	140	140	180	200
	60Hz	140	140	140	140	180	230
Airflow m^3/min	50Hz	2,4	2,4	2,4	2,4	2,4	2,4
	60Hz	2,9	2,9	2,9	2,9	2,9	2,9
Insulation		F	F	F	F	F	F
L1		129	129	161	161	129	129
L2		279	279	311,5	311,5	279	279
Weight	Kg	14,5	15	15,5	15	15,5	16

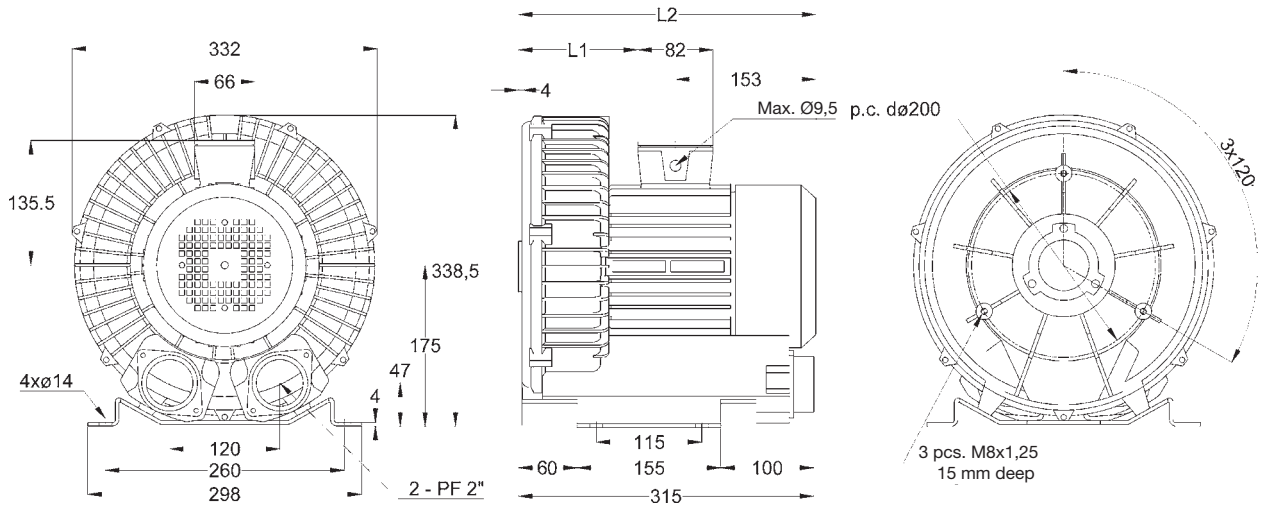


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 4..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch for 1-phase models
- Available with 3-phase IE2 motor

Type no.		KB-429	KB-429-1	KB-429L	KB-429L-1
Phases		3	1	3	1
Output kW	50Hz	1,3	1,3	1,3	1,3
	60Hz	1,5	1,5	1,5	1,5
Voltage Volt	50Hz	230/400	230	230/400	230
	60Hz	276/480	276	276/480	276
Current Amp	50Hz	5,7/3,3	9,5	5,7/3,3	9,5
	60Hz	6,0/3,5	10	6,0/3,5	10
Vacuum mbar	50Hz	180	180	180	180
	60Hz	180	180	180	180
Pressure mbar	50Hz	180	180	180	180
	60Hz	180	180	180	180
Airflow m^3/min	50Hz	3,6	3,6	3,6	3,6
	60Hz	4,2	4,2	4,2	4,2
Insulation class		F	F	F	F
L1		126	126	167,5	167,5
L2		320	320	361,5	361,5
Weight	Kg	22	22,5	22,5	22,5

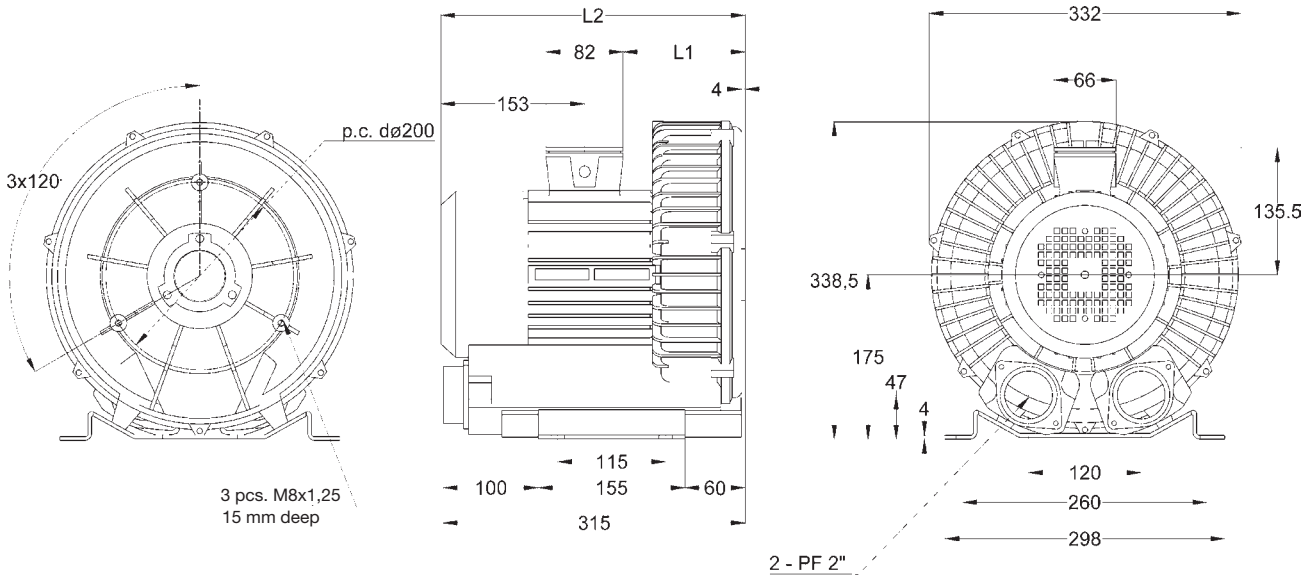


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
All rights reserved for technical specification changes without prior approval from any source outside Brd. Klee, when considered necessary based on our research and development. It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 4..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch for 1-phase models
- Available with 3-phase IE2 motor

Type no.		KB-429-1	KB-429	KB-429L	KB-429
Phases		1	3	3	3
Output kW	50Hz	1,5	1,75	1,75	2,2
	60Hz	1,75	1,9	1,9	2,6
Voltage Volt	50Hz	230	230/400	230/400	230/400
	60Hz	276	276/480	276/480	276/480
Current Amp	50Hz	12,3	6,7/3,9	6,7/3,9	7,8/4,5
	60Hz	13	7/4	7/4	9,5/5,5
Vacuum mbar	50Hz	210	210	210	220
	60Hz	210	210	210	255
Pressure mbar	50Hz	220	220	220	270
	60Hz	220	220	220	300
Airflow m^3/min	50Hz	3,6	3,6	3,6	3,6
	60Hz	4,2	4,2	4,2	4,2
Insulation class		F	F	F	F
L1		126	126	167,5	126
L2		320	320	361,5	320
Weight	Kg	23	23	23,5	26

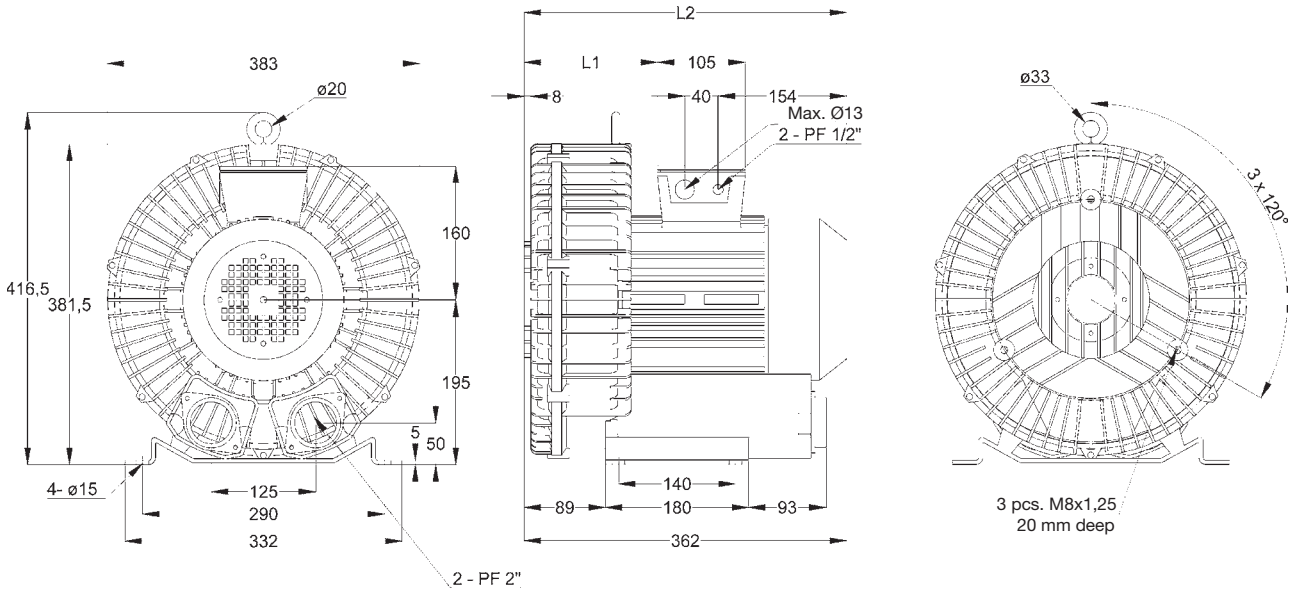


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m³, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 5..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch for 1-phase models
- Available with 3-phase IE2 motor

Type no.		KB-529	KB-529-1	KB-529L
Phases		3	1	3
Output kW	50Hz	2,2	2,2	2,2
	60Hz	2,6	2,6	2,6
Voltage Volt	50Hz	230/400	230	230/400
	60Hz	276/480	276	276/480
Current Amp	50Hz	9,7/5,6	18	9,7/5,6
	60Hz	10,7/6,2	21,6	10,7/6,2
Vacuum mbar	50Hz	230	230	230
	60Hz	220	220	220
Pressure mbar	50Hz	230	230	230
	60Hz	220	220	220
Airflow m^3/min	50Hz	5,2	5,2	5,2
	60Hz	6,2	6,2	6,2
Insulation class		F	F	F
L1		143,5	143,5	186,5
L2		370	370	413
Weight	Kg	32	33,5	33,5

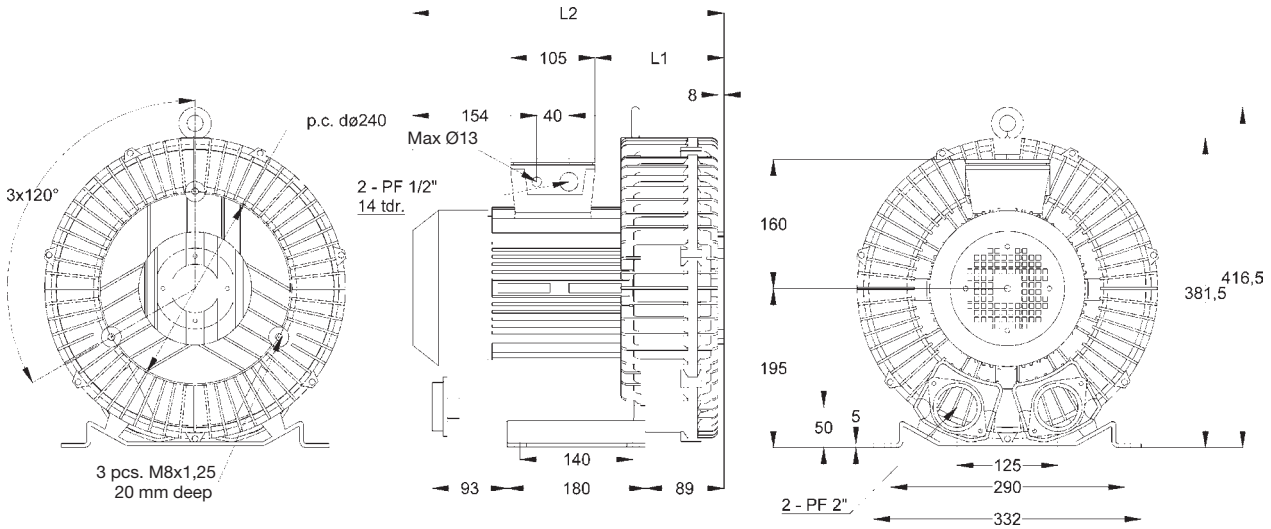


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 6..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch for 1-phase models
- Available with 3-phase IE2 motor

Type no.		KB-629	KB-629-1	KB-629L	KB-639
Phases		3	1	3	3
Output kW	50Hz	3,4	3,4	3,4	4,0
	60Hz	3,7	3,7	3,7	4,6
Voltage Volt	50Hz	230/400	230	230/400	230/400
	60Hz	276/480	276	276/480	276/480
Current Amp	50Hz	12,5/7,2	28	12,5/7,2	14,3/8,2
	60Hz	13,5/7,8	30	13,5/7,8	16,2/9,3
Vacuum mbar	50Hz	260	260	260	270
	60Hz	280	280	280	315
Pressure mbar	50Hz	280	280	280	330
	60Hz	280	280	280	320
Airflow m^3/min	50Hz	5,2	5,2	5,2	5,2
	60Hz	6,2	6,2	6,2	6,2
Insulation class		F	F	F	F
L1		143,5	143,5	186,5	143,5
L2		370	370	413	370
Weight	Kg	33	36,5	36	38

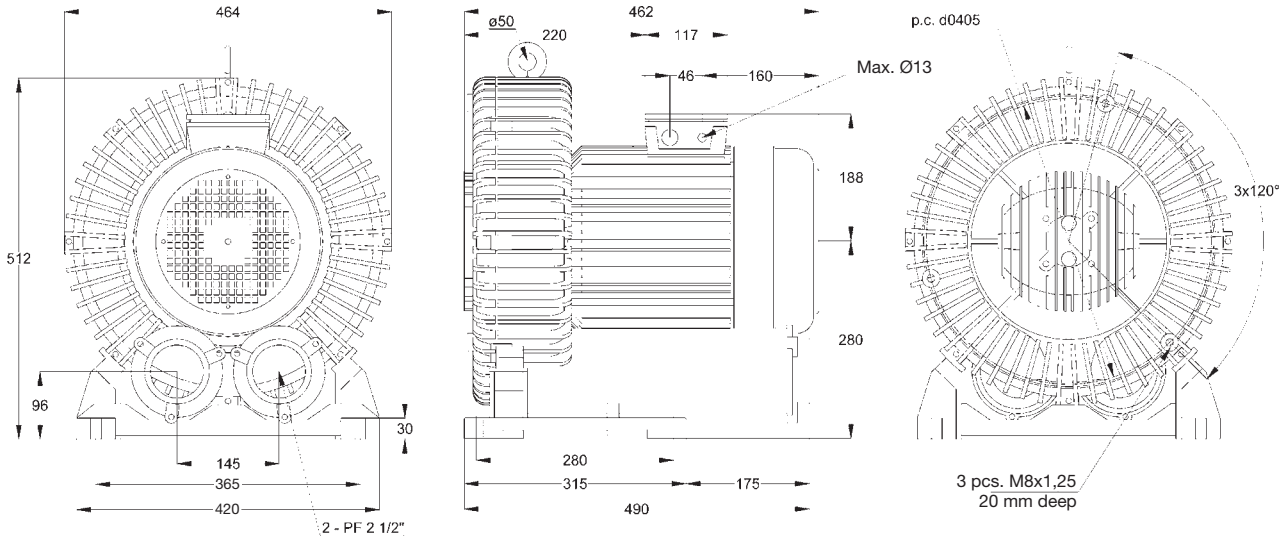


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 7../8..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch
- Available with 3-phase IE2 motor

Type no.		KB-729	KB-829
Phases		3	3
Output kW	50Hz	5,5	7,5
	60Hz	6,3	8,6
Voltage Volt	50Hz	400/690	400/690
	60Hz	480/828	482/828
Current Amp	50Hz	12/6,9	15,1/8,7
	60Hz	14,7/8,5	19,1/11,0
Vacuum mbar	50Hz	270	300
	60Hz	290	350
Pressure mbar	50Hz	300	400
	60Hz	290	400
Airflow m^3/min	50Hz	9,2	9,2
	60Hz	10,9	10,9
Insulation class		H	H
Weight	Kg	78	82

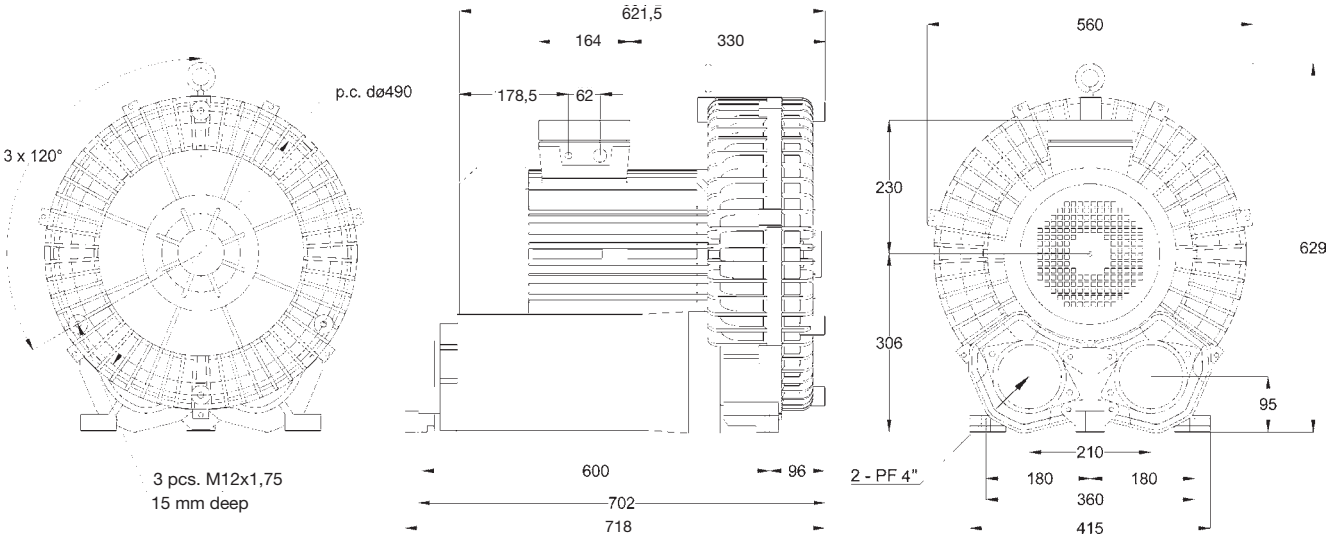


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 9..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch
- Available with 3-phase IE2 motor

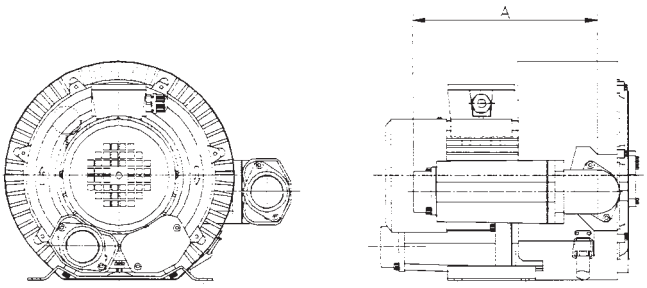
Type no.		KB-919	KB-929	KB-939
Phases		3	3	3
Output kW	50Hz	9	13	20
	60Hz	11	15	22
Voltage Volt	50Hz	400/690	400/690	400/690
	60Hz	480/828	480/828	480/828
Current Amp	50Hz	20,8/12,0	26,3/15,2	38,6/22,3
	60Hz	21,4/12,4	28,9/16,7	44/25,3
Vacuum mbar	50Hz	200	300	350
	60Hz	190	290	370
Pressure mbar	50Hz	200	300	450
	60Hz	190	290	430
Airflow m^3/min	50Hz	18,9	18,9	18,9
	60Hz	22,4	22,4	22,4
Insulation class		H	H	H
Weight	Kg	100	112	159



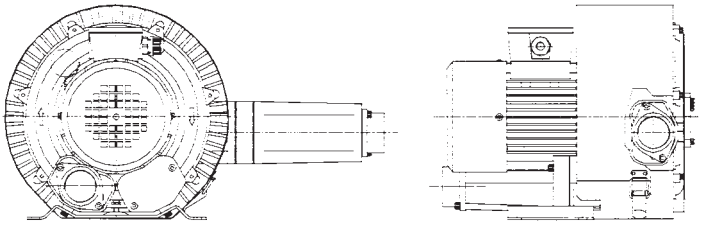
The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Double-stage versions

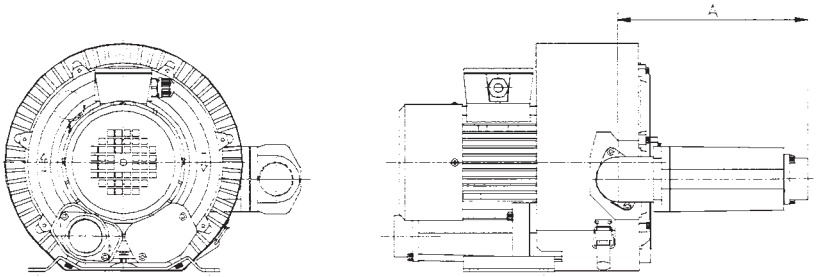
Description for maximum pressure: KB (x)3.. = Serially connected impeller
Description for maximum flow: KB (x)4.. = Parallel connected impeller



Type KB23.. - KB33.. - KB43.. - KB63.. - KB83..



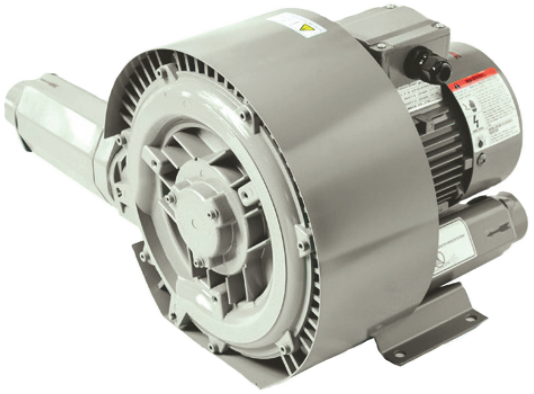
90 degree outlet on request



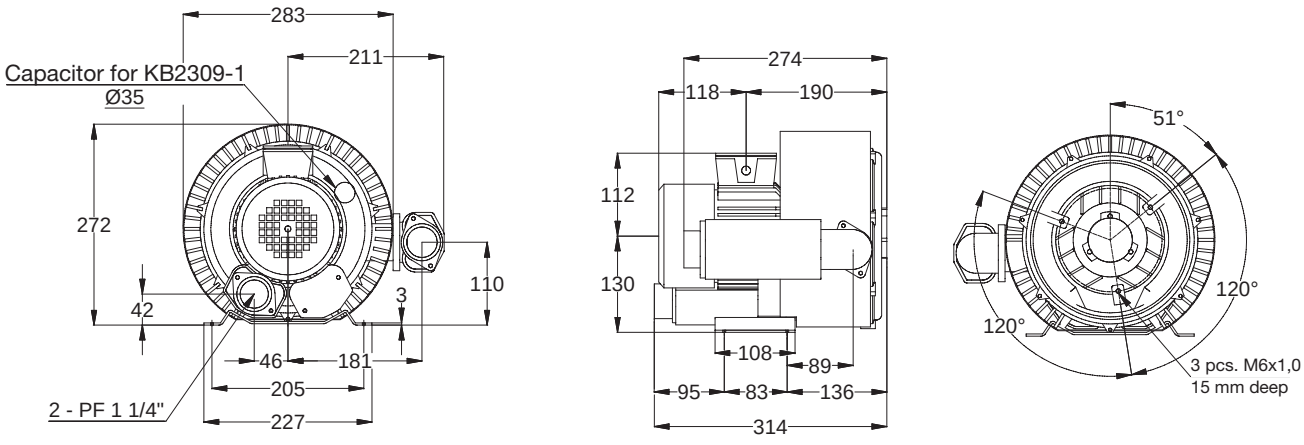
Special version on request

Specifications type KB 23..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch for 1-phase models
- Available with 3-phase IE2 motor



Type no.		KB-2308	KB-2308-1
Phases		3	1
Output kW	50Hz	0,75	0,75
	60Hz	0,85	0,85
Voltage Volt	50Hz	230/400	230
	60Hz	276/480	276
Current Amp	50Hz	3,3/1,9	13/6,5
	60Hz	3,6/2,1	14/7
Vacuum mbar	50Hz	200	200
	60Hz	245	245
Pressure mbar	50Hz	240	240
	60Hz	245	245
Airflow m^3/min	50Hz	1,5	1,5
	60Hz	1,8	1,8
Insulation class		F	F
Weight	Kg	17	17

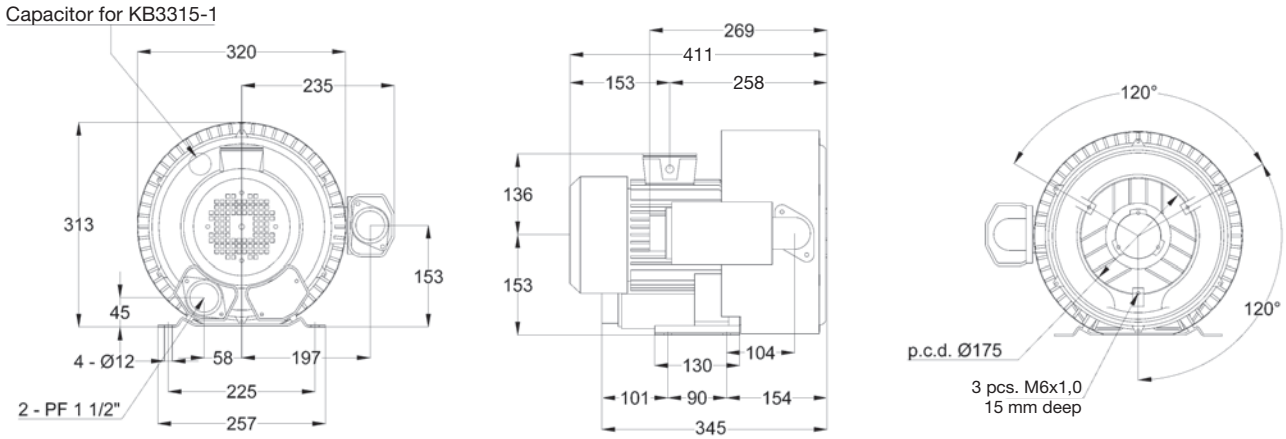


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 33..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch for 1-phase models
- Available with 3-phase IE2 motor

Type no.		KB-3315-1	KB-3319	KB-3326
Phases		1	3	3
Output kW	50Hz	1,3	1,75	2,2
	60Hz	1,5	1,9	2,6
Voltage Volt	50Hz	230	230/400	230/400
	60Hz	276	276/480	276/480
Current Amp	50Hz	9,5	6,7/3,9	7,8/4,5
	60Hz	10,0	7/4	9,5/5,5
Vacuum mbar	50Hz	220	275	280
	60Hz	235	300	350
Pressure mbar	50Hz	250	320	375
	60Hz	250	300	435
Airflow m^3/min	50Hz	2,6	2,6	2,6
	60Hz	3,0	3,0	3,0
Insulation class		F	F	F
Weight	Kg	24	25	28

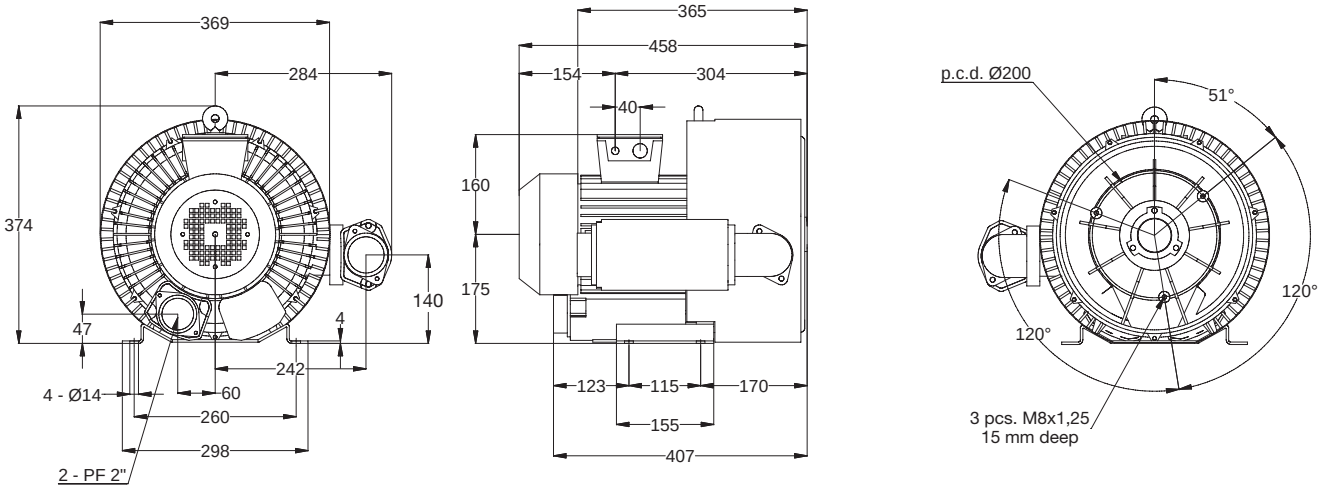


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 43..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Available with IE2 motor

Type no.		KB-4337	KB-4346
Phases		3	3
Output kW	50Hz	3,4	4,0
	60Hz	3,7	4,6
Voltage Volt	50Hz	230/400	230/400
	60Hz	276/480	276/480
Current Amp	50Hz	12,5/7,2	14,3/8,2
	60Hz	13,5/7,8	16,2/9,3
Vacuum mbar	50Hz	345	355
	60Hz	405	410
Pressure mbar	50Hz	410	460
	60Hz	415	495
Airflow m^3/min	50Hz	3,7	3,7
	60Hz	4,5	4,5
Insulation class		F	F
Weight	Kg	43	45



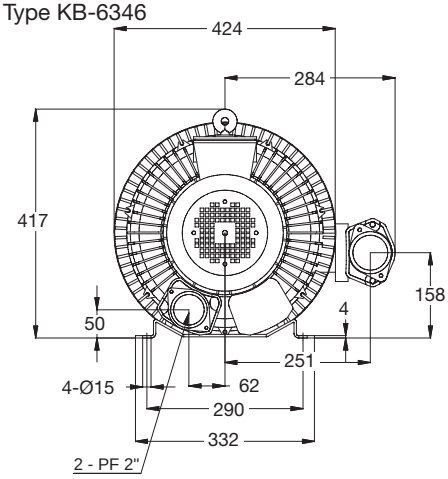
The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

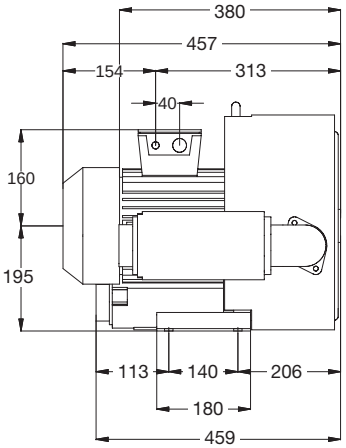
Specifications type KB 63..

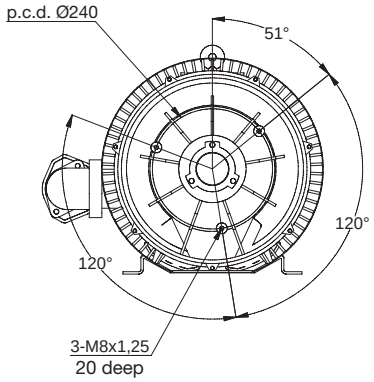
Type no.		KB-6346	KB-6355	KB-6375
Phases		3	3	3
Output kW	50Hz	4,0	5,5	7,5
	60Hz	4,6	6,3	8,0
Voltage Volt	50Hz	230/400	230/400	230/400
	60Hz	276/480	276/480	276/480
Current Amp	50Hz	14,3/8,2	21/12	27/15,6
	60Hz	16,2/9,3	26,5/15,3	34/19,6
Vacuum mbar	50Hz	360	410	420
	60Hz	380	425	450
Pressure mbar	50Hz	380	515	580
	60Hz	380	530	675
Airflow m^3/min	50Hz	5,2	5,2	5,2
	60Hz	6,2	6,2	6,2
Insulation class		F	H	H
Weight	Kg	55	72	81

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch from 5,5 kW
- Available with IE2 motor

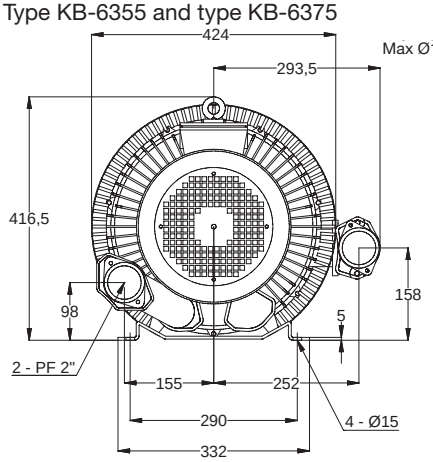
Type KB-6346

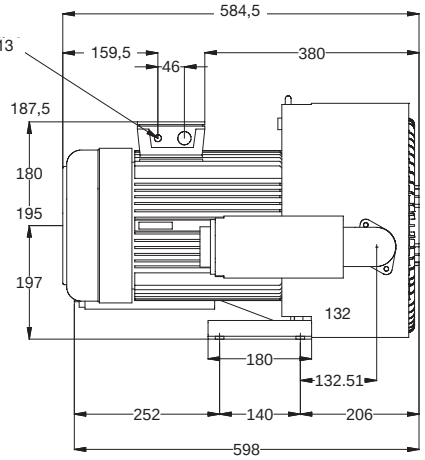


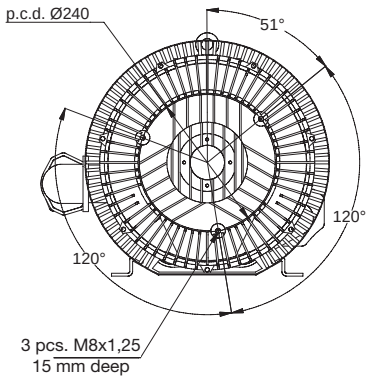




Type KB-6355 and type KB-6375





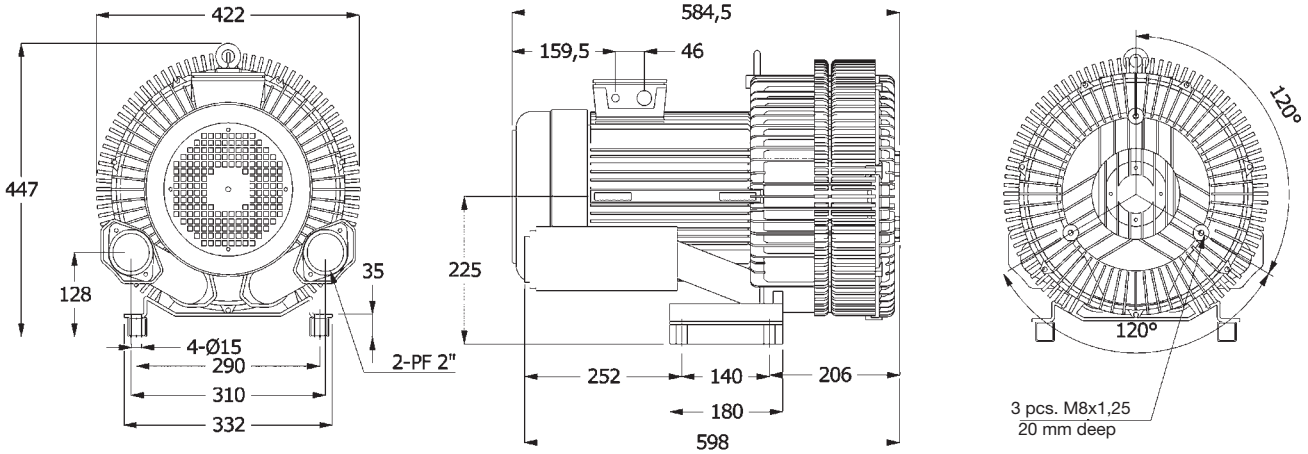


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 64..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch
- Available with IE2 motor

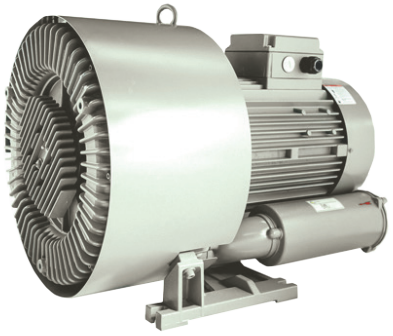
Type no.		KB-6455	KB-6475
Phases		3	3
Output kW	50Hz	5,5	7,5
	60Hz	6,3	8,0
Voltage Volt	50Hz	400/690	400/690
	60Hz	480/828	480/828
Current Amp	50Hz	12/6,9	15,6/9,0
	60Hz	15,3/8,8	19,6/11,3
Vacuum mbar	50Hz	200	240
	60Hz	200	260
Pressure mbar	50Hz	220	270
	60Hz	220	270
Airflow m^3/min	50Hz	7,8	7,8
	60Hz	9,2	9,2
Insulation class		H	H
Weight	Kg	70	81



The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

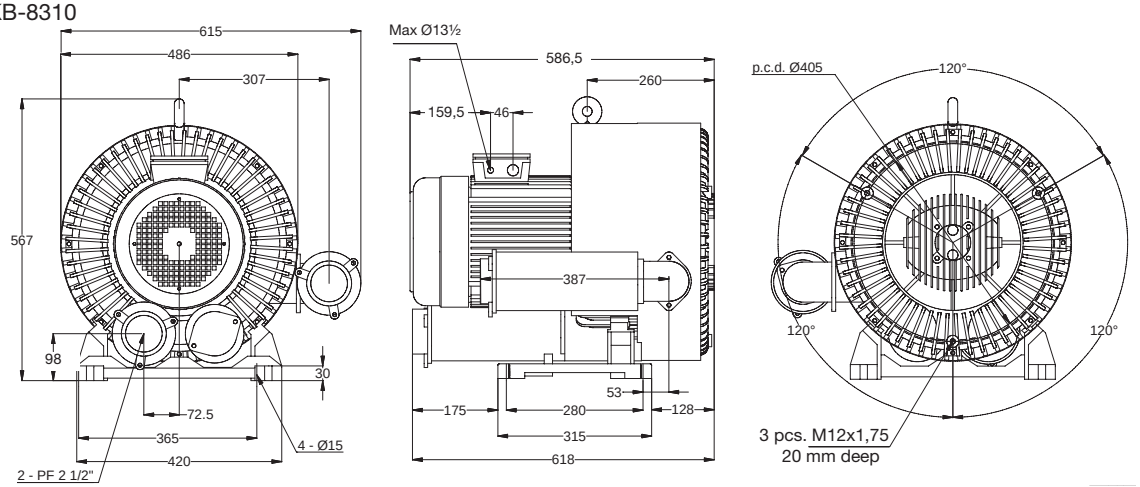
Specifications type KB 83..

Type no.		KB-8310	KB-8315	KB-8320
Phases		3	3	3
Output kW	50Hz	7,5	11	16
	60Hz	8,6	13	19
Voltage Volt	50Hz	400/690	400/690	400/690
	60Hz	480/828	480/828	480/828
Current Amp	50Hz	15,6/9,0	27/15,6	39/22,5
	60Hz	19,6/11,3	30/17,3	42/24,3
Vacuum mbar	50Hz	320	430	450
	60Hz	320	455	650
Pressure mbar	50Hz	320	600	700
	60Hz	320	600	780
Airflow m^3/min	50Hz	9,6	9,6	9,6
	60Hz	10,9	10,9	10,9
Insulation class		H	H	H
Weight	Kg	112	142	160

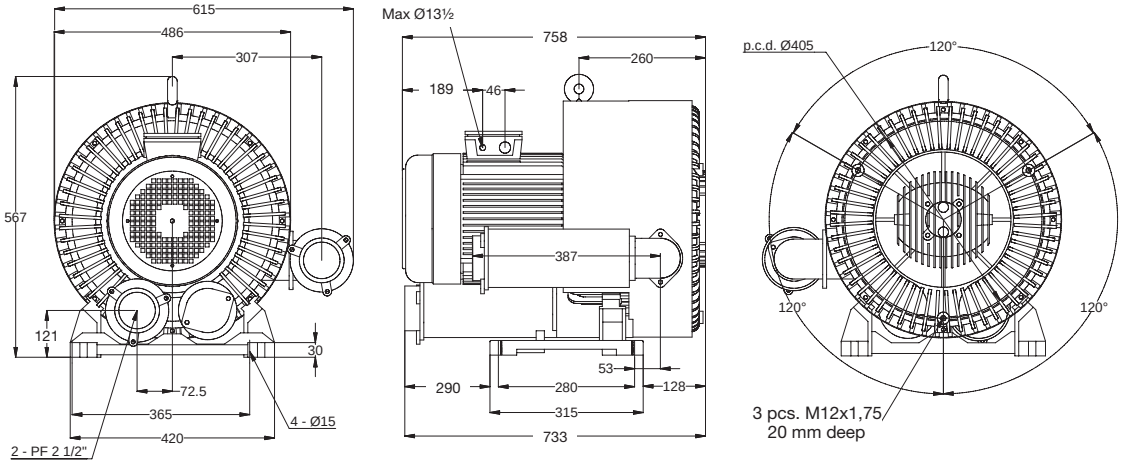


- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch
- Available with IE2 motor

Type KB-8310



Type KB-8315 and KB-8320



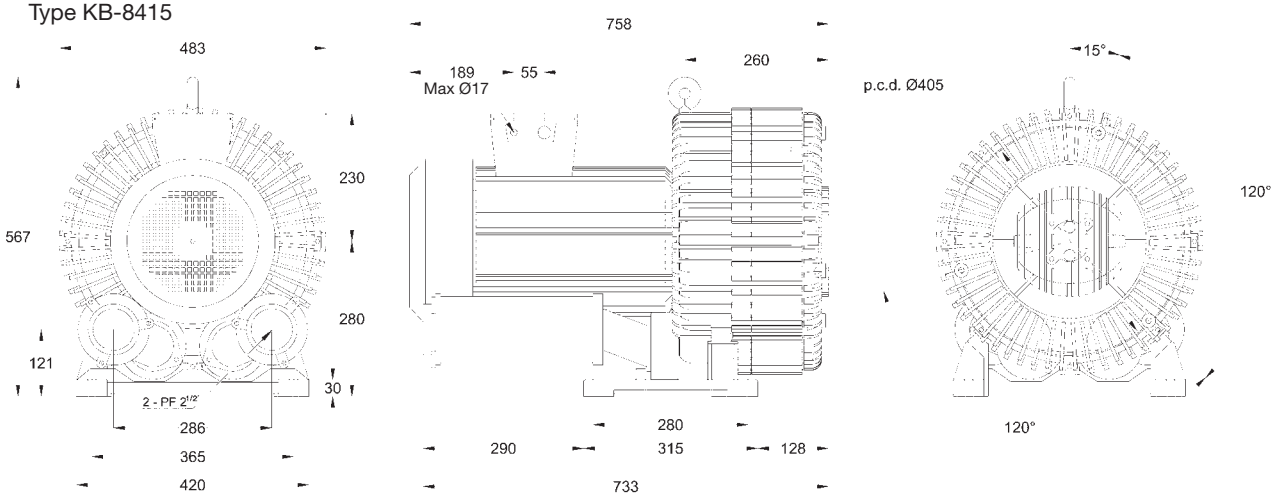
The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

Specifications type KB 84..

- NSK bearings with high temperature grease
- CE, UL and CSA approved
- All units are QC inspected by Klee
- Built-in bi-metal switch
- Available with IE2 motor

Type no.		KB-8415
Phases		3
Output kW	50Hz	11
	60Hz	13
Voltage Volt	50Hz	400/690
	60Hz	480/828
Current Amp	50Hz	25/14,5
	60Hz	27,5/15,9
Vacuum mbar	50Hz	260
	60Hz	260
Pressure mbar	50Hz	260
	60Hz	260
Airflow m^3/min	50Hz	14,2
	60Hz	16,5
Insulation class		H
Weight	Kg	140

Type KB-8415

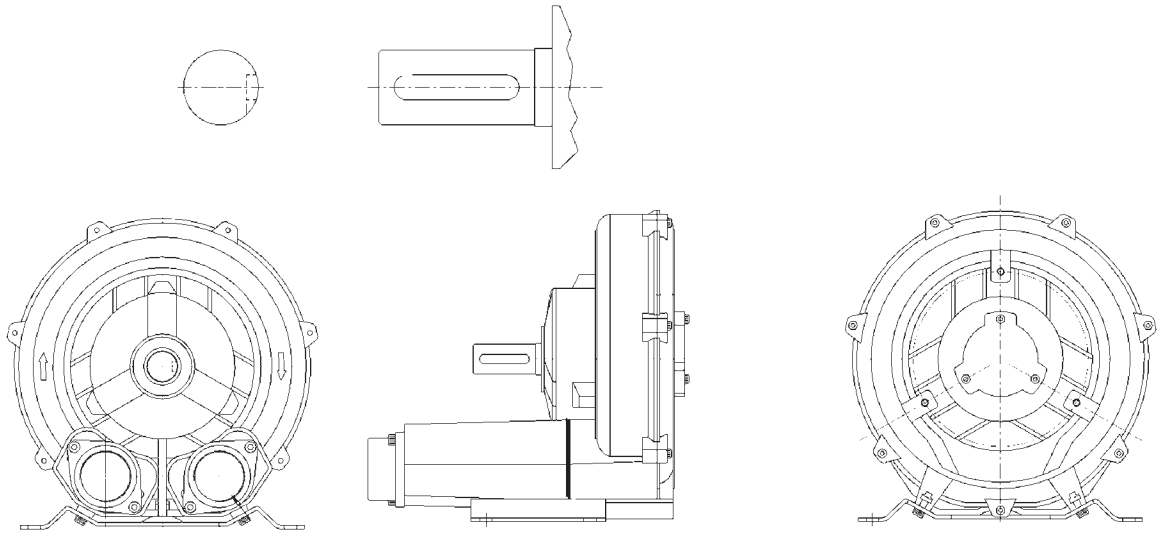


The technical data is based on 1 bar (abs) free atmosphere and 20° C with inlet air density 1.2 kg/m^3, incl. 10% variance.
 It is advised to use a pressure/vacuum relief valve to protect the blower from overheating and exceeding its allowable pressure/vacuum. Please see page 48-49 for further information.

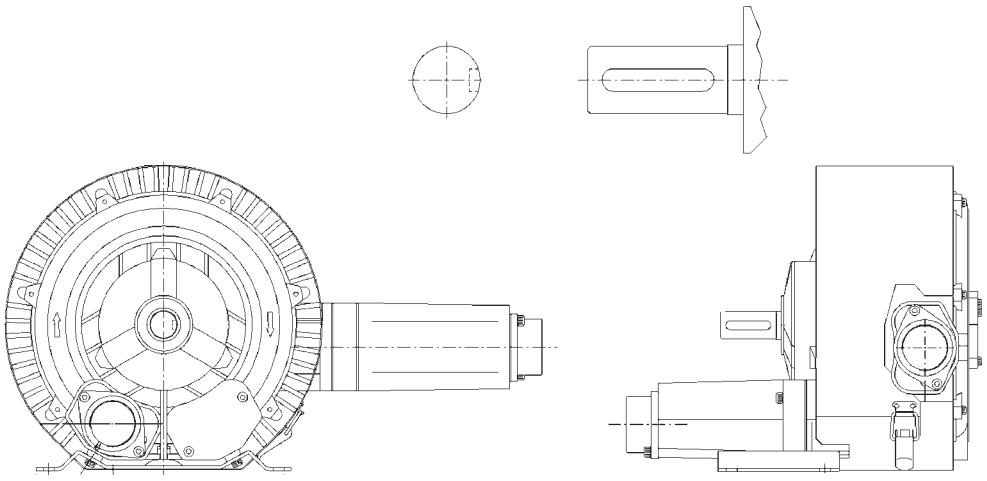
Bare shaft

Klee can supply side channel blowers in both single-and double-stage models with bare shaft for belt drive.

The size of the pulley can be changed lowering the speed and changes the pressure/vacuum or airflow of the side channel blower.



Single-stage models type KB-201, KB-301, KB-401, KB-601, KB-801 and KB-901.



Double-stage models type KB-231, KB-331, KB-431, KB-631 and KB-831.

Silencer & Flow reversing valve

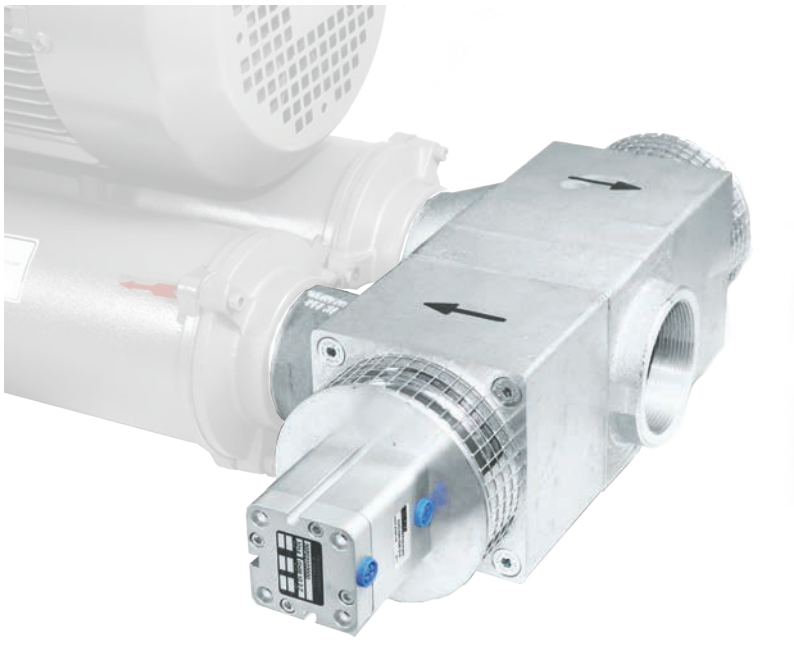
Silencer

Type no.	Thread	for model
SI-2	2”	KB-1... - KB-6...
SI-3	3”	KB-7... - KB-8...

Application:
- For reduction of noise level
- Used in side channel blowers and suitable for both pressure and vacuum use.
- Static pressure setting easily adjustable.
- Connect thread suitable for PT, PF and NPT 2” and 3”
- Durable operation temperature: -10° C to +120° C
- Keep away from grease and volatile oil/gas.

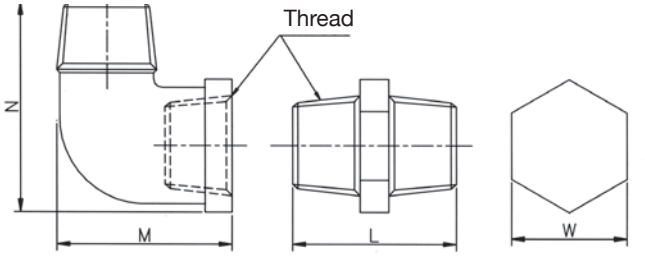
Flow reversing valve

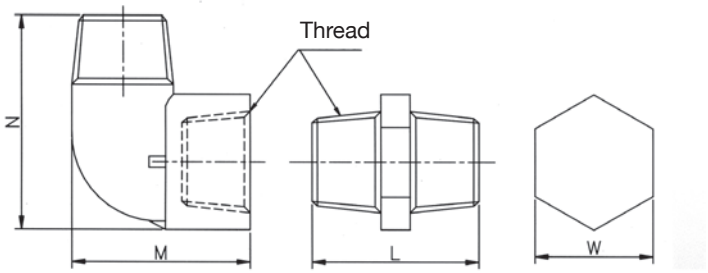
Klee offers a variety of flow reversing valves that make it possible to switch between pressure and vacuum operation in the same pipeline. The valves are available in many varieties depending on the application in which they are to be applied.
The valves can be delivered with electric 24V DC, 220V AC or pneumatic control.
Contact us for more information by phone (+45) 4386 8388 or at klee@klee.dk



Bend

Type no.	Thread	L	M	N	W	Material	For model
	Inches	mm	mm	mm	mm		
BC-10	PT-1”	52	52	73	38	Cast iron	KB-1...
BC-12	PT-1 1/4”	56	65	90	47	Cast iron	KB-2..., KB-23..
BC-15	PT-1 1/2”	60	73	97	54	Cast iron	KB-3..., KB-33..
BC-20	PT-2”	67	85	120	65	Cast iron	KB-4..., KB-5..., KB-6..., KB-43.., KB-63.., KB-64..
BP-20	PT-2”	75	94	110	67	Plastic	KB-4..., KB-5..., KB-6..., KB-43.., KB-63.., KB-64..
BC-25	PT-2 1/2”	76	105	137	82	Cast iron	KB-7..., KB-8..., KB-83.., KB-84..
BC-40	PT-4”	96	165	233	121	Cast iron	KB-9...

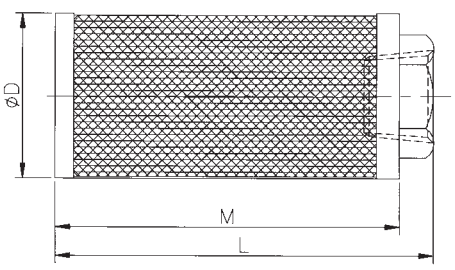


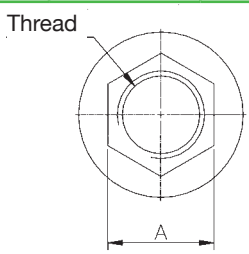


Inlet air filter

If inlet not is connected to any pipe, a filter with larger area has to be installed on the inlet.

Type no.	Thread	A	D	L	M	Filtration mesh	For model
	PT	mm	mm	mm	mm		
MF-08	1”	42	58	170	155	100	KB-1...
MF-10	1 1/4”	54	71	186	170	100	KB-2..., KB-23..
MF-12	1 1/2”	65	85	196	182	100	KB-3..., KB-33..
MF-16	2”	75	103	215	202	100	KB-4..., KB-5..., KB-6..., KB-43.., KB-63.., KB-64..
MF-20	2 1/2”	97	148	274	252	100	KB-7..., KB-8..., KB-83.., KB84..
MF-32	4”	142	208	380	357	100	KB-9...

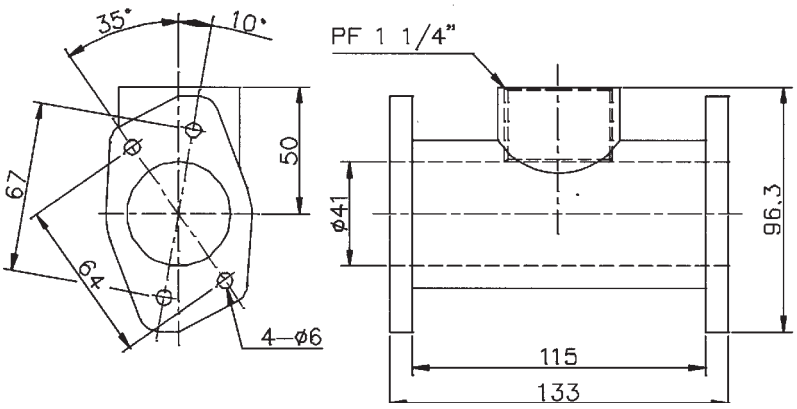


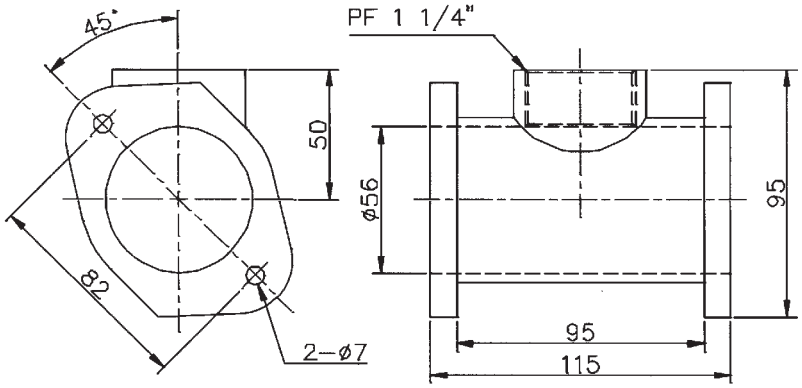


T-angle, pressure- & vacuum valve

T-angle for pressure- & vacuum relief valve

Type	Thread	For model	Material
TB01	1 1/4”	KB-2..., KB3...	Aluminium
TB02	1 1/4”	KB-4..., KB5..., KB6...	Aluminium





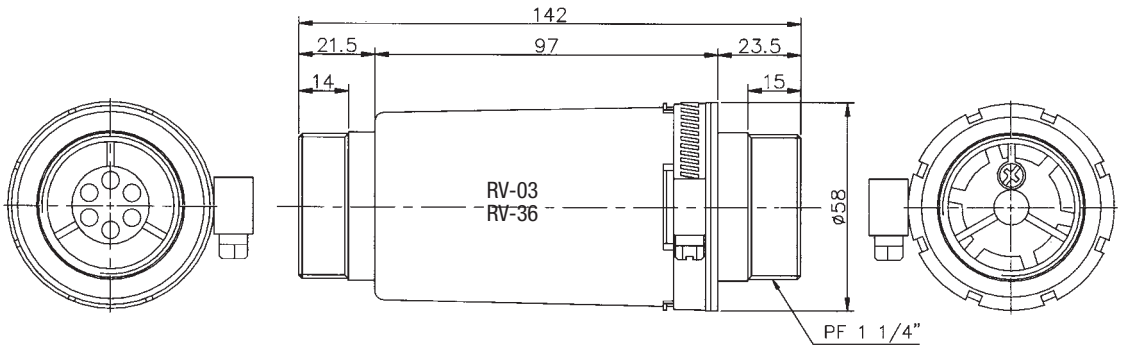
Pressure and vacuum relief valve 2 in 1 model

The Klee safety valve is both a pressure relief and vacuum limiting valve that protects the fan and ensures optimum efficiency. The safety valve opens and releases the excess pressure or restricting the vacuum by drawing air from the outside.

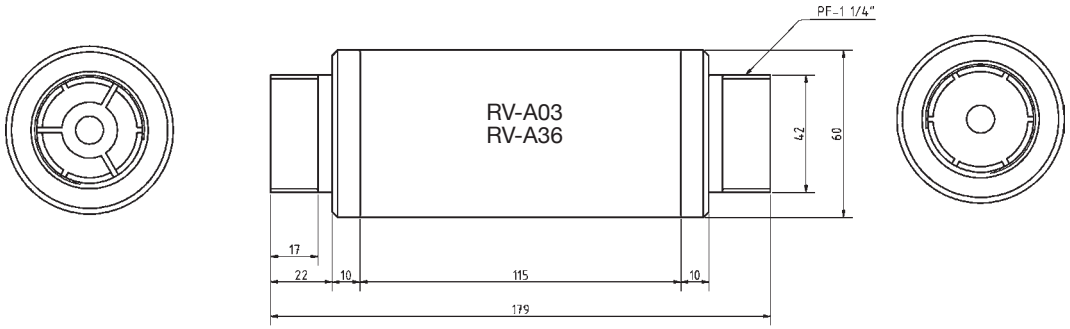
Pressure- & vacuum relief valve

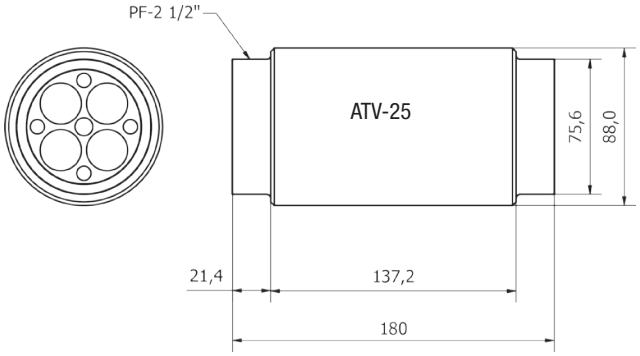
Adjustable pressure- & vakuum relief valve

Type no.	Thread	Range mbar	For model	Material
RV-03	PF-1 1/4”	0-300	See page 8 og 9	Plastic PVC
RV-36	PF-1 1/4”	300-600	See page 8 og 9	Plastic PVC



Type no.	Thread	Range mbar	For model	Material
RV-A03	PF-1 1/4”	0-300	See page 8 and 9	Aluminium
RV-A36	PF-1 1/4”	300-600	See page 8 and 9	Aluminium
ATV-25	PF-2 1/2”	280-350	See page 8 and 9	Aluminium





Type RV-A36 Type RV-A03 Type ATV-25

Inlet/outlet for hose pipe in cast aluminium

Type no.	D	d	H	L	P	Fig.	For model
	mm	mm	mm	mm	mm	mm	
1-OD-32	32	5,5	29	35	50	1	KB-1...
2-OD-32	32	6	31	38	64	1	KB-2..., KB-23...
2-OD-37	37	6	31	38	64	1	KB-2..., KB-23...
3-OD-44	44	6	37	44	67	1	KB-3..., KB-33...
3-OD-51	51	6	31	38	67	1	KB-3..., KB-33...
4-OD-50	50	7	44	52	83	1	KB-4..., KB-5..., KB-6..., KB-43..., KB-63..., KB-64...
4-OD-57	57	7	58	65	83	1	KB-4..., KB-5..., KB-6..., KB-43..., KB-63..., KB-64...
3-OD-44-2	44	7	28	57	67	2	KB-3..., KB-33...
3-OD-55-2	55	7	52	105	67	2	KB-3..., KB-33...

Fig. 1

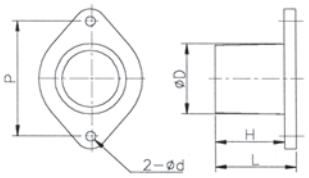
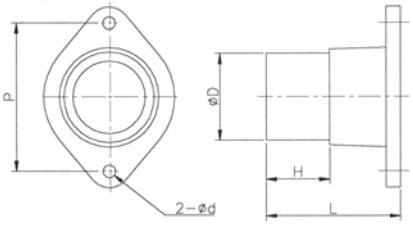


Fig. 2



Threaded inlet/outlet in cast aluminium or cast iron

Type no.	Thread	d	H	L	P	Fig.	For model
	Inches	mm	mm	mm	mm	mm	
1-T10	1”	5,5	18	23	50	3	KB-1...
2-T12	1 1/4”	6	22	29	64	3	KB-2..., KB-23...
3-T15	1 1/2”	6	24	31	67	3	KB-3..., KB-33...
5-T20	2”	7	18	25	83	3	KB-4..., KB-5..., KB-6..., KB-43..., KB-63..., KB-64
7-T25	2 1/2”	7	16	31	130	4	KB-7..., KB-8..., KB-83..., KB-84...
9-T40	4”	9	29	36	150	3	KB-9...

Fig. 3

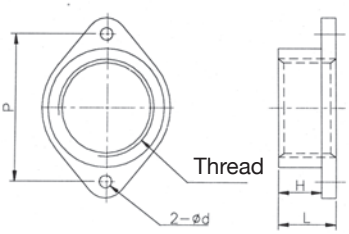
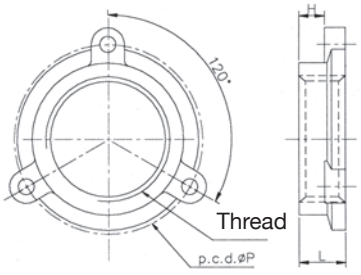


Fig. 4



Turboblowers

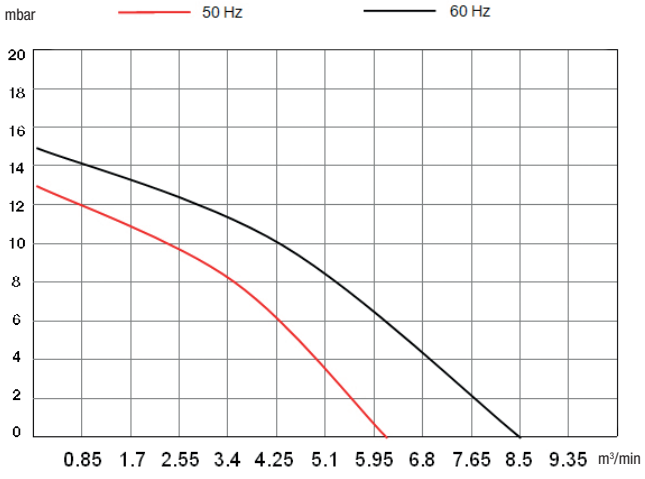
Turboblowers are specially designed for large flow, low noise and high efficiency. They are made of aluminum. All models are lightweight models and are especially good at running hot and are therefore suitable for continuous operation. The rotor blades are specifically balanced so that they rotate stably at high speeds and with very low vibration.

Turboblowers are used in e.g. woodworking machinery, destruction furnaces, dryers, hot air blowers, plastic separators, laminating, film machinery, textile machinery, grain elevators, breads, printing machines and machines for the refrigeration industry.

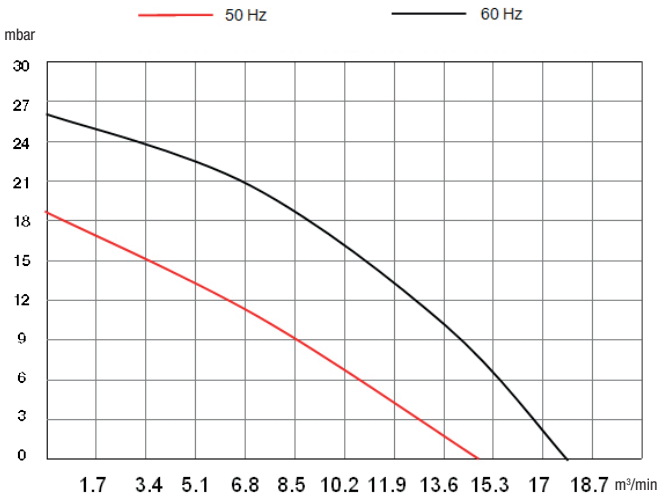
Specifications

Type no.	TB-0400	TB-0400	TB-0750	TB-0750	TB-1500	TB-1500
Phases	3	1	3	1	3	1
Output kW	0,4	0,4	0,75	0,75	1,5	1,5
Frequenzy	50/60	50/60	50/60	50/60	50/60	50/60
Voltage V (△/Y)	230/400	230	230/400	230	230/400	230
Current Amp (△/Y)	2,1/1,2	3,6	3,3/1,9	5,7	6,5/3,8	11,2
Pressure m/bar (50/60)	13,0/15,0	13,0/15,0	18,5/26,5	18,5/26,5	21,5/32,0	21,5/32,0
Airflow m³/min	6/8	6/8	15/18	15/18	17/21	17/21
Outlet	3” (Ø75)	3” (Ø75)	4” (Ø100)	4” (Ø100)	4” (Ø100)	4” (Ø100)
Noise level dB	57/70	57/70	65/80	65/80	74/90	74/90
Weight kg	18	18	30	30	40	40

TB-0400



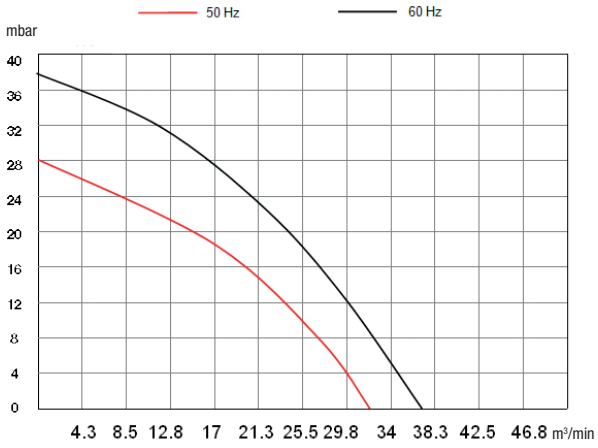
TB-0750



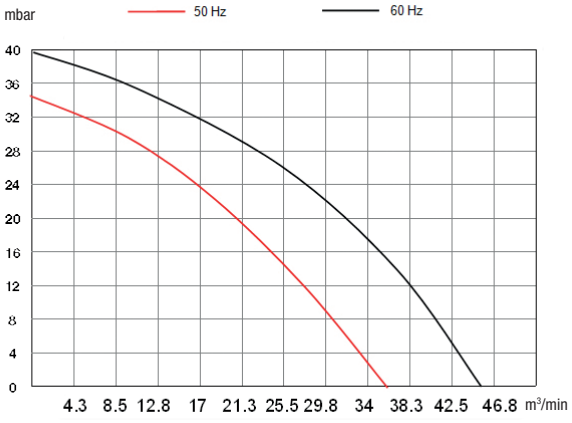
TB-1500

Type no.	TB-2200	TB-3700
Phases	3	3
Output kW	2,2	3,7
Frequenzy	50/60	50/60
Voltage V (△/Y)	230/400	230/400
Current Amp (△/Y)	8,7/5	14/8
Pressure m/bar (50/60)	28,5/38,0	35,0/40,0
Airflow m³/min	33/38	35/45
Outlet	5” (Ø125)	6” (Ø150)
Noise level dB	77/96	80/100
Weight kg	60	74

TB-2200



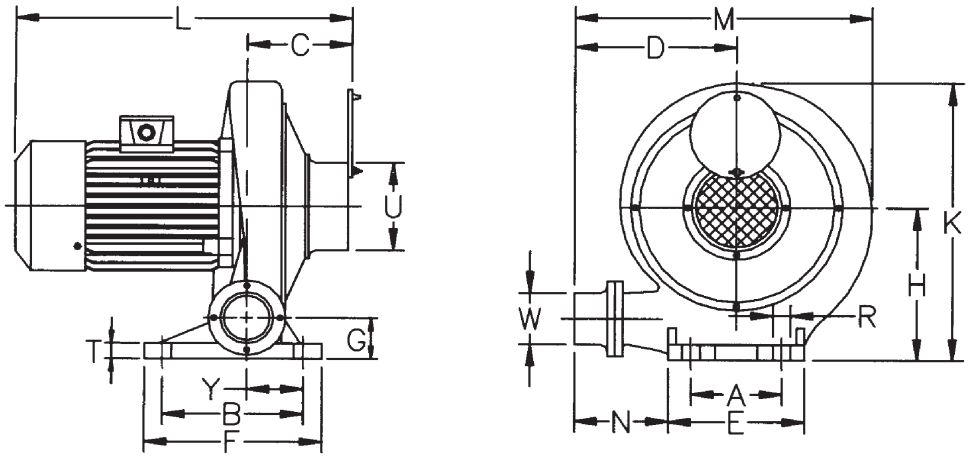
TB-3700



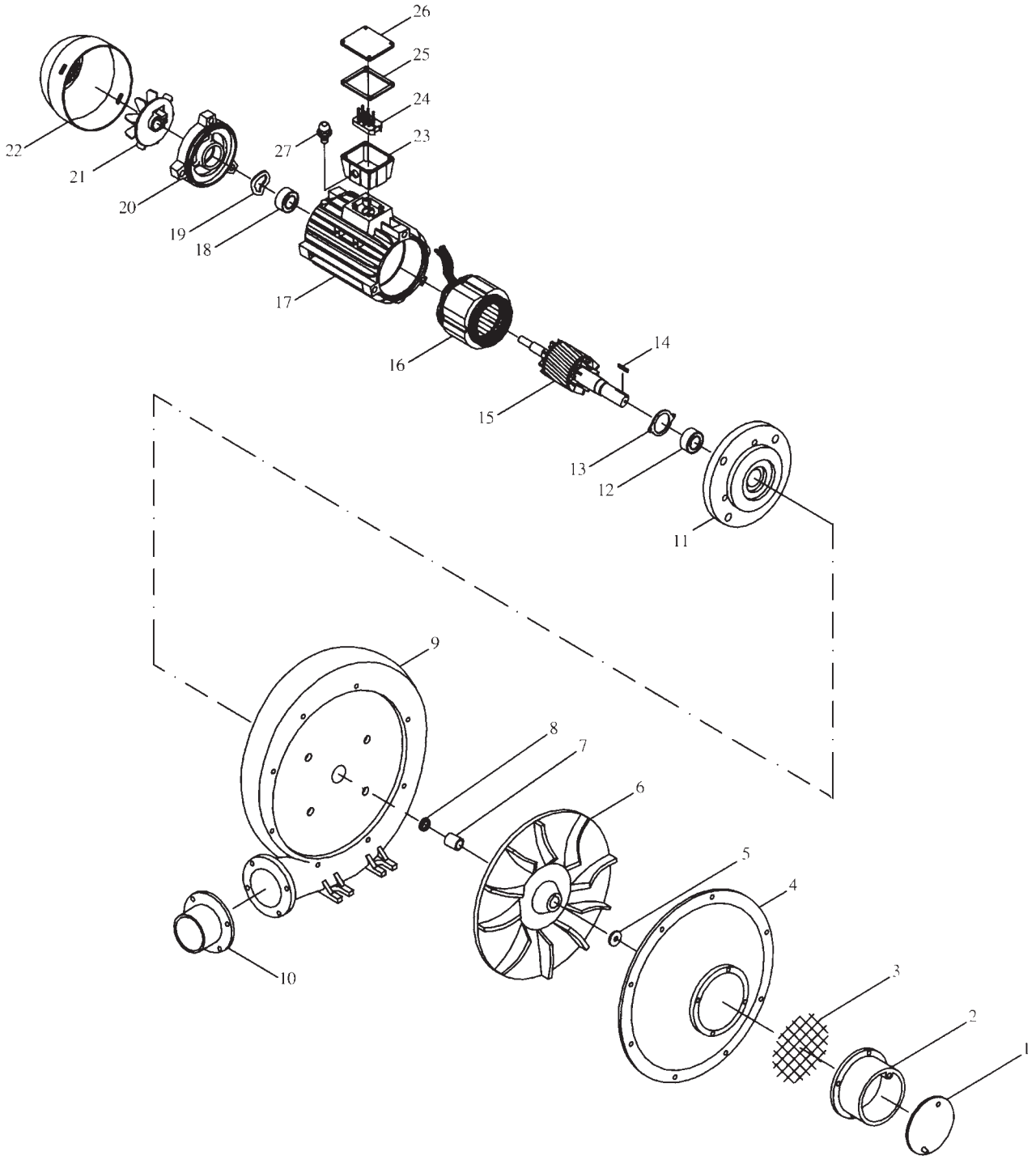
Type TB-1500/1,5 kW, TB2200/2,2 kW and TB-3700/3,7 kW can be supplied on request with 3-phase IEC-motor in IE2 version.

Dimensions

Type	A	B	C	D	E	F	G	H	K	L	M	N	R	T	U	W	Y
TB-0400	135	135	117	210	185	185	70	203	375	355	395	113	10	12	Ø100	Ø75	50
TB-0750	135	165	125	252	190	230	67	245	450	367	450	153	13	15	Ø125	Ø100	55
TB-1500	140	165	155	263	190	245	83	267	490	435	495	156	13	15	Ø125	Ø100	70
TB-2200	140	195	185	280	230	280	100	303	540	495	550	165	16	15	Ø180	Ø125	85
TB-3700	350	240	200	350	415	285	115	325	625	540	645	101	16	20	Ø180	Ø150	65



TB-0400, TB-0750, TB-1500, TB-2200, TB-3700



Part	Description	Part	Description	Part	Description	Part	Description
1	Flange cover	8	Sleeve	15	Rotor	22	Fan cover
2	Inlet flange	9	Housing	16	Stator	23	Terminal box
3	Filter	10	Outlet flange	17	Housing	24	Terminal cover
4	Front cover	11	Motor flange	18	Rear bearing	25	Terminal box sealing
5	Impeller washer	12	Front bearing	19	Spring washer	26	Terminal box cover
6	Impeller	13	Inner bearing cover	20	B-shield	27	Cable gland
7	Sealing	14	Key	21	Fan		

We also supply:

Rotary Vane Pumps

Roots blowers

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