



Radial Fans RVND, RVSD, RVVD, RVVD-2
Roof Fans UAKRV
OOO “UralActiv”, Yekaterinburg, Russia

Version 5

28/04/2016





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Introduction

The main specialization of UralActiv Ltd. (Yekaterinburg) is the manufacturing and supplies of industrial polymer radial fans of acid-resistant type. These fans are manufactured in all standard sizes of low pressure (RVND), of medium pressure (RVSD) and of high pressure (RVVD). Their capacity is **300-150000 m³/h** and the pressure up to **17000 Pa** for different chemical acid or alkali mediums. **The service life is about 50 years** in aggressive gas medium.

The housing of fan (scroll housing) can be made from polypropylene of Russian or foreign production and also from other types of polymers (PVC, PVDF) according to the medium and its concentration.

Depending on the rotational speed and the chemical medium fan running wheels can be made of reinforced chemical-resistant polymer or steel rubberized PVC.

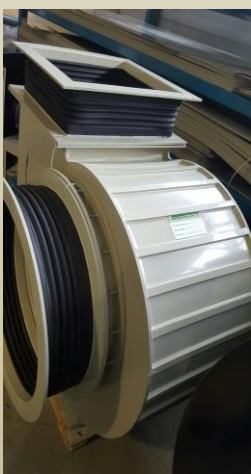
Every radial fan has a pipe for condensate drain, vibration isolators and special flexible fittings from corrugated chemical-resistant rubber.

All inside parts of the fan (fasteners, shaft, hub) have polymeric coating.

There is the possibility of manufacturing and supplies of industrial polymer radial fans of acid-resistant type in explosion-proof design.

The radial fans catalogue offers standard solutions. In case you need a fan for specific conditions please fill out the questionnaire.

Operating temperature depends on the type of thermoplastic and varies from **- 50 to +80 degrees**. Our staff will offer you





the best option of thermoplastic depending on the gas temperature, its installation site and chemical mediums passing through it. Also you can find the table of chemical resistance of plastics on our website in the section of [pdf-product catalogs](#).

All fans can be made from steel of industrial type.

We offer special conditions for the cooperation with the engineering companies from full technical support to the final result.

Also our company designs and manufactures absorption systems for wet gas cleaning – **polypropylene vertical and horizontal scrubbers**. The use of scrubbers not only increases the corporate culture but also helps to protect the environment and prolongs the service life of fans. The separate catalog provides more detailed information

We manufacture all types of ventilation system's parts from polymers: from straight-line sections to valves, acoustic absorbers and others.

All products are made according to the technical specification [TY 2291-001-95801889-2015](#).



Intended use

Fans can be used in ventilation, gas cleaning and air heating systems in manufacture, public and residential buildings.

Also it is possible to use our fans to move the specific mediums. It depends on its explosiveness, corrosion, chemical, heat and dust effects produced on the fan flow part. Technologists or customers engineering companies determine this effect.

The maximum temperature of the moved medium is 200 degrees for steel fans and 80 degrees for polymeric fans.

Among fans there are singled out the following modifications:

- common industrial fans (O)
- **acid resistant fans:**
 - PP-BC – polypropylene block copolymer, **+40...+80 degrees**
 - PP-H – polypropylene, homopolymer, **+5...+105 degrees**
 - HDPE – polyethylene, **-50...+80 degrees**
 - PVC – polyvinylchloride, **0...+60 degrees**
 - PVDF – polyvinylidene fluoride, **-30...+140 degrees**
- heat-resistant fans (ZH)
- corrosion resistant fans(K)
- corrosion and heat-resistant fans(KZH)
- explosion-proof fans (V)
- explosion-proof corrosion resistant fans (VK)
- explosion-proof corrosion and heat-resistant fans (VKT)

Operating conditions

Fans can be used in temperate (U), temperate and cold (UHL) and tropical (T) climate conditions of 1st and 2nd accommodation categories according to the standard GOST 15150:

Low Pressure Radial Fans (RVND)

Material	Carbon steel		Stainless steel		Aluminium alloys	Polymer
versions of RVND	common industrial	heat resistant	corrosion resistant	corrosion and heat-resistant	corrosion resistant	acid resistant
max t of moved medium	80°C	200°C	80°C	200°C	80°C	80°C
the presence of particulate matter	not more than 0.1 g / m ³					

Medium Pressure and High Pressure Fans (RVSD and RVVD)

Material	Carbon steel	Stainless steel	Aluminium alloys	Polymer
versions of RV	common industrial	corrosion resistant	corrosion resistant	acid resistant
max t of moved medium	80°C			
the presence of particulate matter	not more than 0.1 g / m ³			

Additional operating conditions for explosion-proof version					
The categories of explosive mixture	IIA, IIV				IIA, IIV*
The groups of explosive mixture	T1 – T4	T1 – T2	T1 – T4	T1 – T2	T1 – T4
The classes of explosive areas	V Ia, V Ib, V Ig, V IIa				

* - mixtures of category IIV except the mixtures with air: IIVT1 category coke gas, IIVT2 category propylene oxide, IIVT2 category ethylene oxide, IIVT2 category formaldehyde, IIVT2 category ethyl three chlorine – ethylene, category IIVT2 ethylene, category IIVT3 vinyl - three chlorine selenium, category IIVT3 ethyl chlorine selenium



Aerodynamic options and characteristics of fans are given for normal conditions: density of 1.2 kg / m^3 , barometric pressure is 101.34 kPa, temperature is $+ 200 \text{ }^\circ \text{C}$, (temperatures of moved mediums are shown on the pressure scale P), relative humidity is 50%. Aerodynamic characteristics for the mediums of another density must be recalculated according to the standard GOST10616-90.

Design

Fans can be manufactured with wheels of right-hand rotation and left- hand rotation. According to GOST 5976 fans can be manufactured in 1st design scheme (connection to the engine is direct) or 5th design scheme (the belt-driven connection). Fan body is spiral and rotary.

The position of right-hand and left- hand rotation fan body can be 0, 45, 90, 135, 270, 315 (depends on the suction side).

The fan's number shows the diameter of fan air inlet.

Fans equipment includes flexible connections, isolators, a frame for installation, drain pipe.



The marking for fan ordering

RVND 255 – K (PP) – UHL2 – 1 – 0,2 x 1380 – 220/380 – PO – KA

Designation:

RVND, RVSD, RVVD

Number

Versions:

- O - common industrial
- P - acid resistant
- ZH - heat resistant
- K - corrosion resistant
 - PP – polypropylene
 - PPs – flame-resistant polypropylene
 - PP-EL-s – electrically conductive, flame-resistant polypropylene
 - PE – polyethylene
 - PVC – polyvinyl chloride
 - PVDF – polyvinylidene fluoride
- KZH - corrosion and heat-resistant
- V - explosion-proof
- VK - explosion-proof and corrosion resistant
- VKT - explosion-proof and corrosion heat-resistant

Climatic category: U1, T1, UHL1, U2, T2, UZL2

Embodiment: 1,5

Motor parameters: Nyxn

- Ny - generating capacity, kW
- n – rational speed, rpm

Nominal voltage: 220/380
380/660

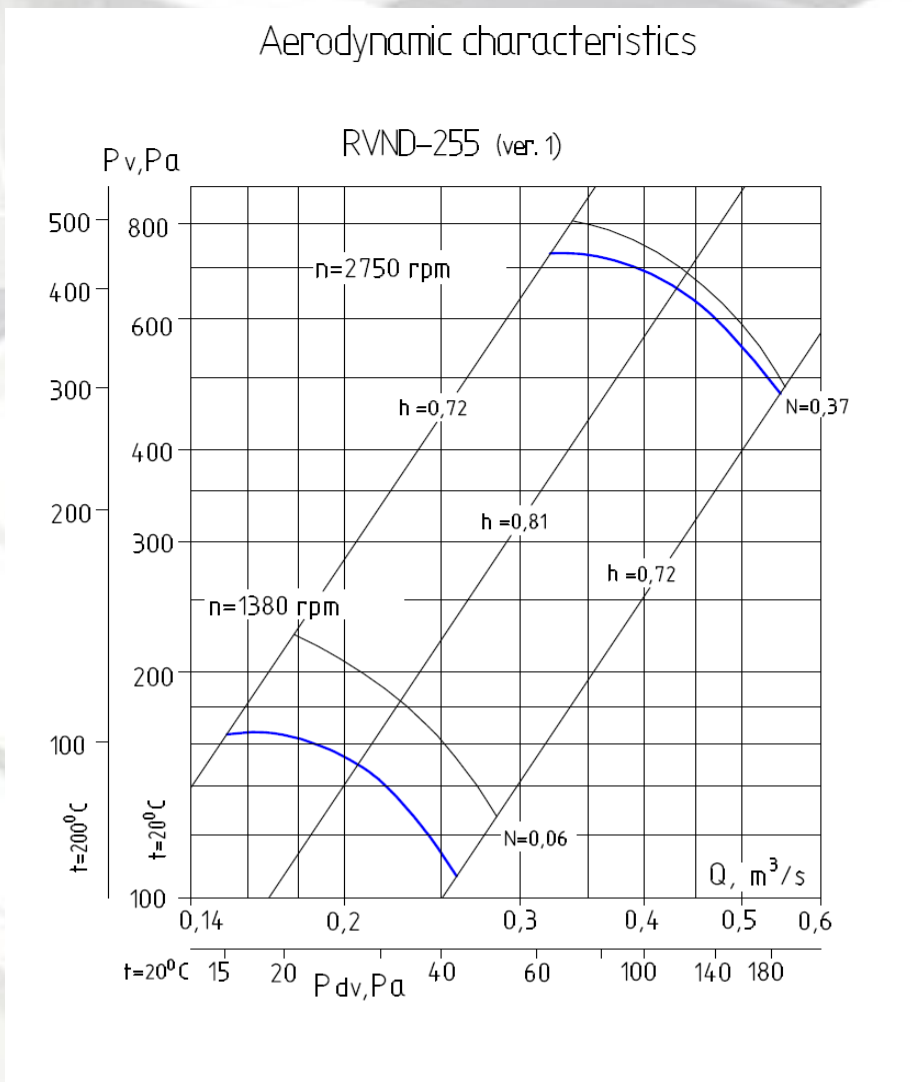
Positions of fan body: P0, P45, P90, P270, P315
L0, L45, L90, L270, L315

Automatic equipment: KA
O



Low Pressure Radial Fans (RVND)

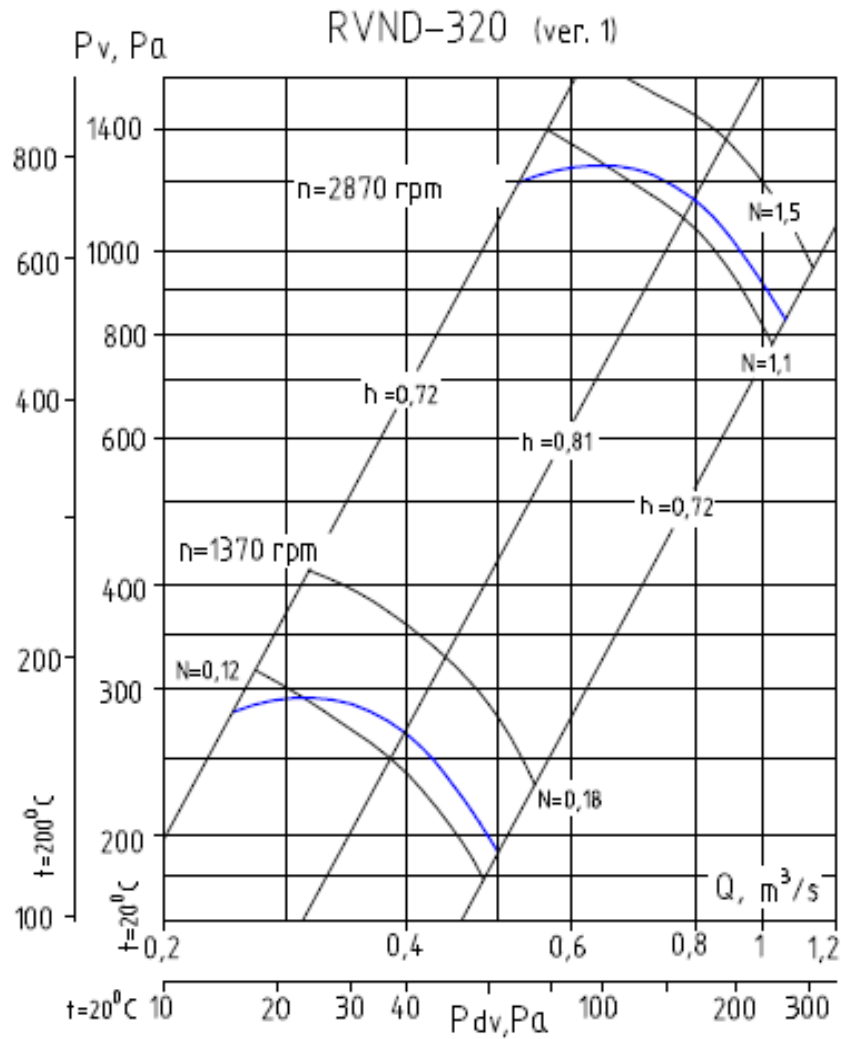
Aerodynamic characteristics



RVND-255 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Total pressure, Pa	Weight* kg
RVND-255 (version 1)	56A4** 63A2	0,12	1380	0,13-0,25	165-105	25
		0,37	2750	0,30-0,50	740-490	27

Aerodynamic characteristics

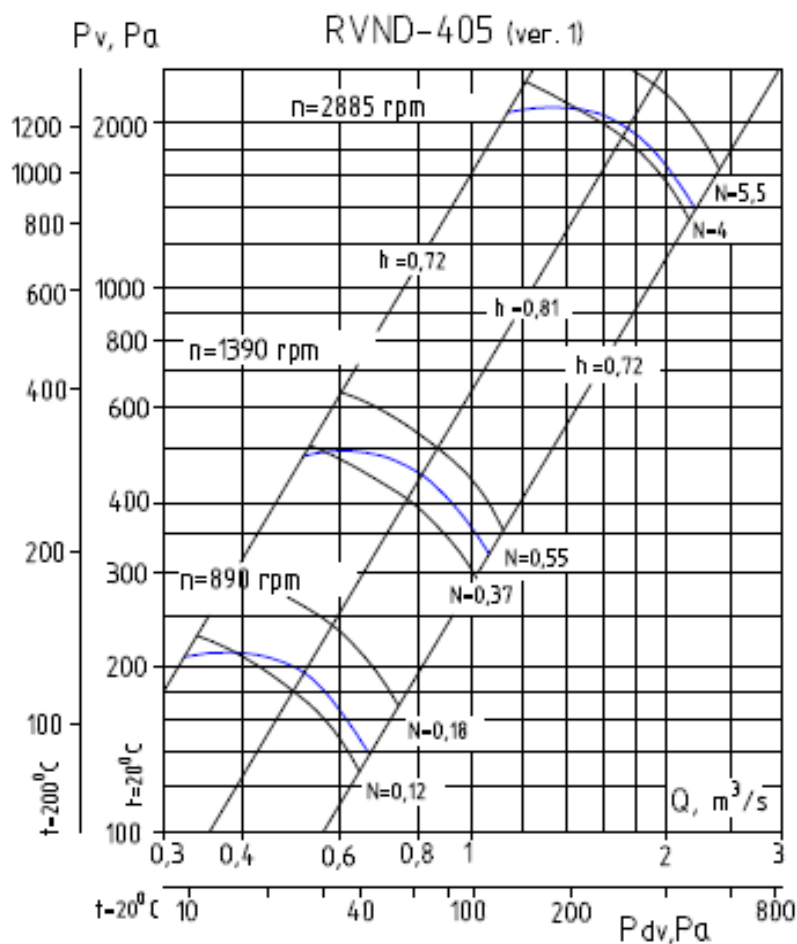


RVND-320 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m3/s	Total pressure, Pa	Weight* kg
RVND-320 (version 1)	56B4** 80A2	0,18	1370	0,30-0,50	280-180	34
		1,5	2870	0,55-1,10	1225-785	47



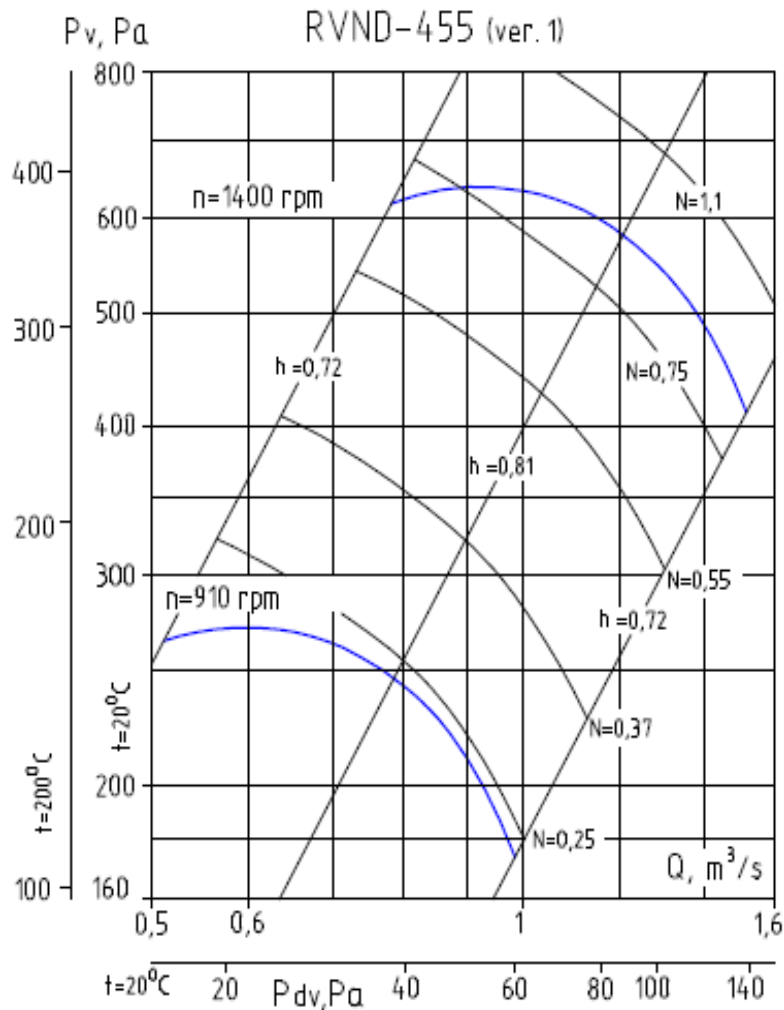
Aerodynamic characteristics



RVND-405 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVND-405 (Version 1)	63A6**	0,18	890	0,35-0,70	200-130	55
	71A4	0,55	1390	0,55-1,10	500-320	64
	100S2	4,0	2970	1,20-1,30	2200-2275	85
	100L2	5,5	2885	1,10-2,20	2145-1380	91

Aerodynamic characteristics

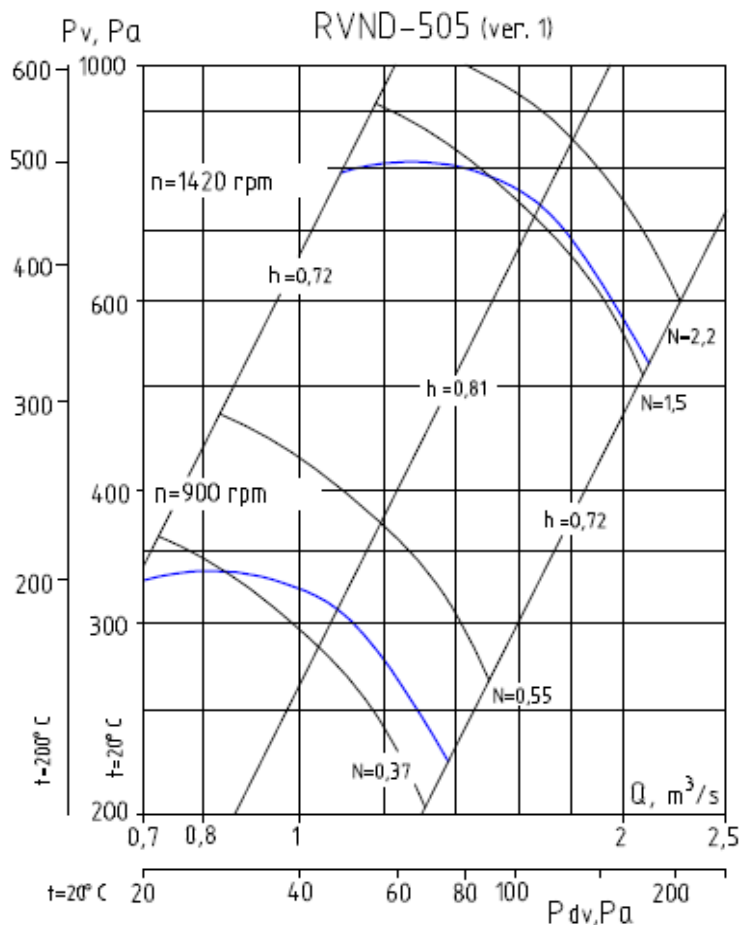


RVND-455 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVND-455 (Version 1)	63B6** 80A4	0,25 1,1	910 1400	0,50-0,90 0,80-1,50	260-170 620-405	57 70



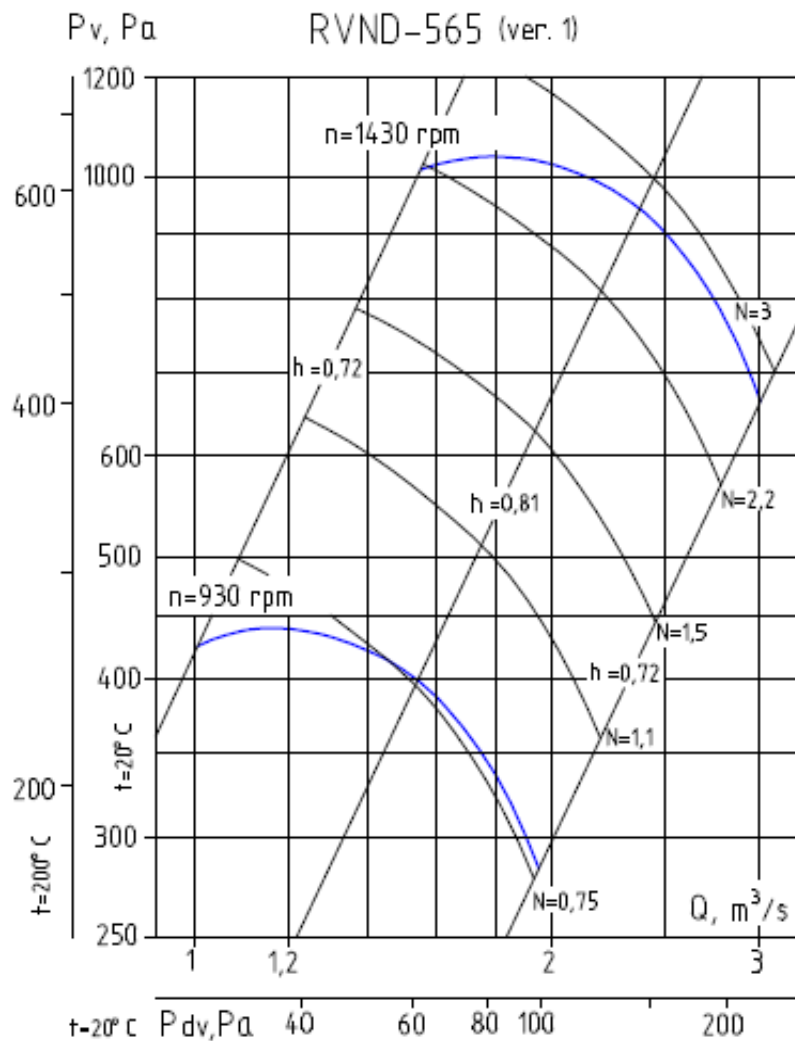
Aerodynamic characteristics



RVND-505 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVND-505 (version1)	71B6	0,55	900	0,70-1,35	325-210	89
	80B4	1,5	1405	1,10-1,60	795-710	93
	90L4	2,2	1420	1,10-2,10	810-520	103

Aerodynamic characteristics

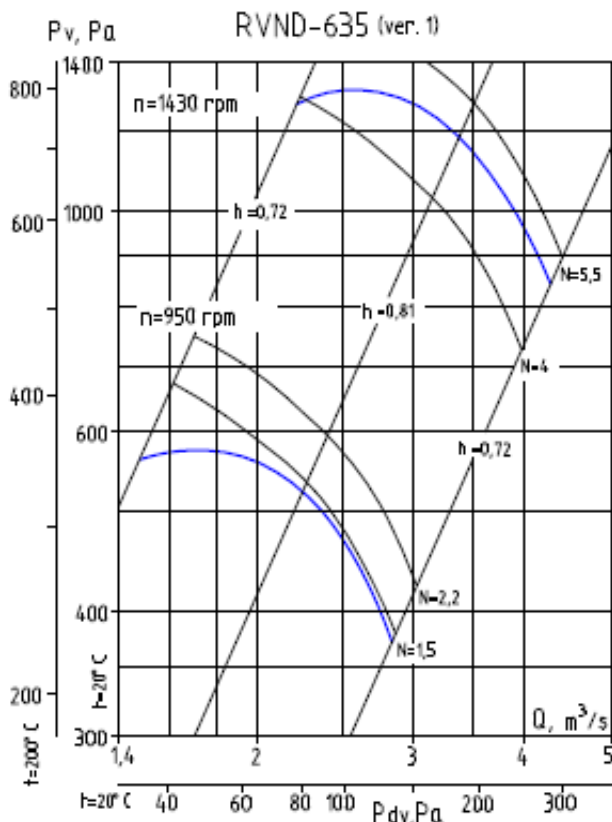


RVND-565 basic characteristics

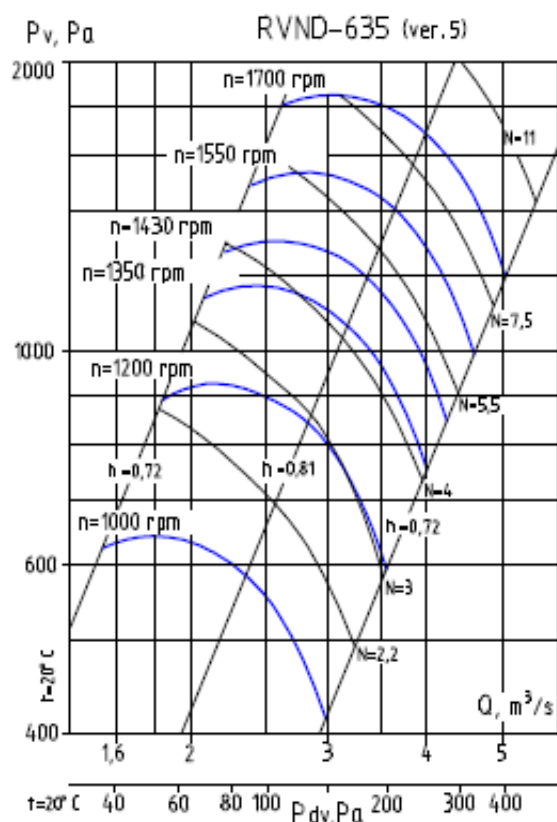
Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVND-565 (version 1)	80A6	0,75	930	1,0-1,5	420-410	105
	80B6	1,1	930	1,0-1,9	420-280	105
	100S4	3,0	1430	1,5-3,0	1000-670	110



Aerodynamic characteristics



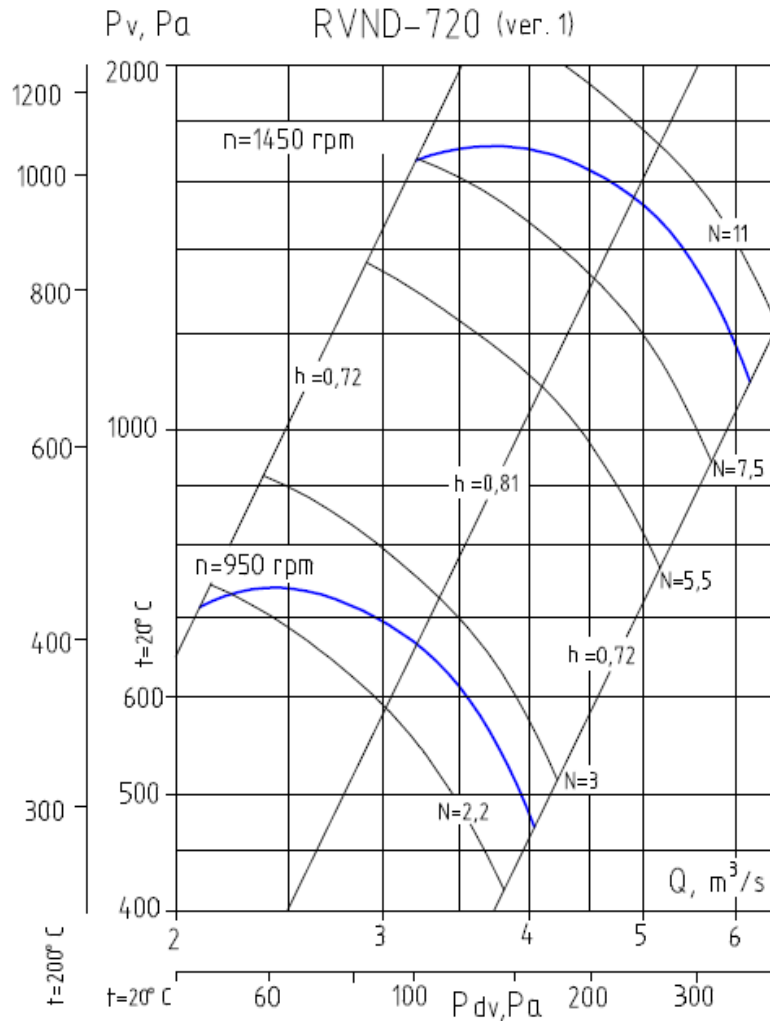
Aerodynamic characteristics



RVND-635 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVND-635 (version 1)	90L6	1,5	940	1,5-2,8	565-265	145
	100L6	2,2	950	1,5-2,8	580-370	160
	112M4	5,5	1430	2,2-4,3	1310-840	175
RVND-635 (version 5)	90L4 - - 132M4	2,2 - 11	1000 - 1700	1,6 - 5,0	700 - 1800	220 Without electromotor

Aerodynamic characteristics

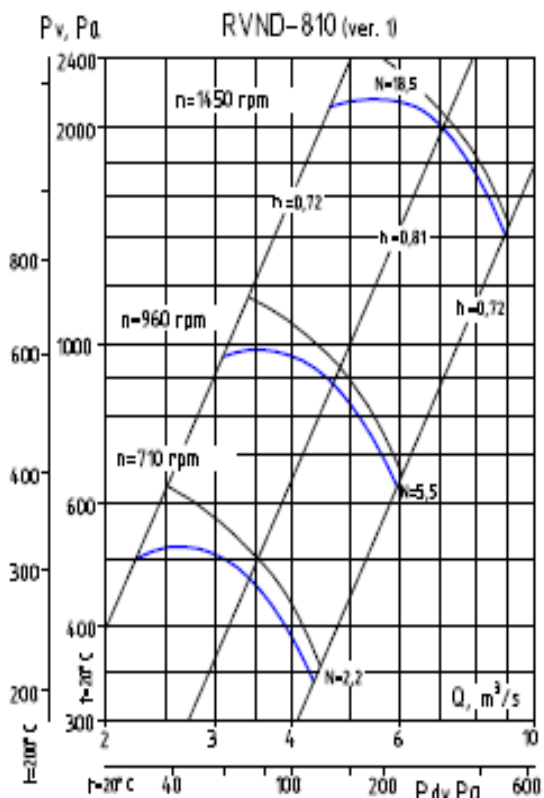


RVND-720 basic characteristics

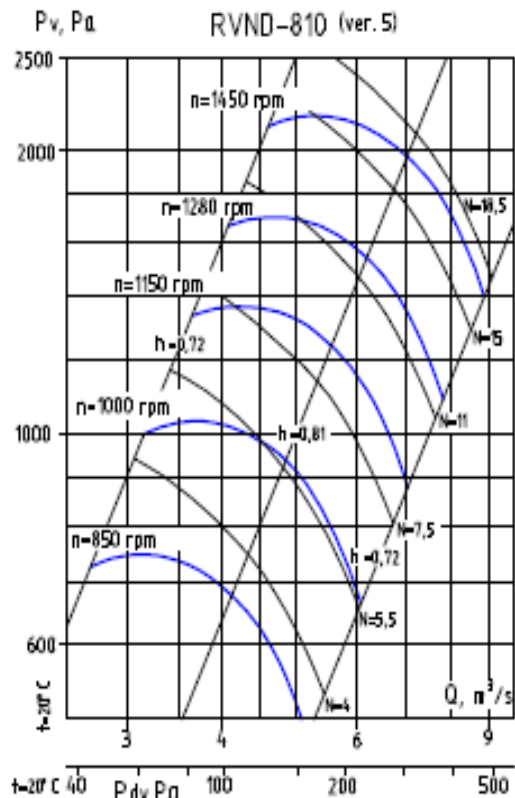
Fan designation	Standard size of electromotor or	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Total pressure, Pa	Weight* kg
RVND-720 (исполнение 1)	112MA6 132M4	3,0 11	950 1450	2,1-4,0 3,3-6,2	710-470 1650-1090	215 255



Aerodynamic characteristics



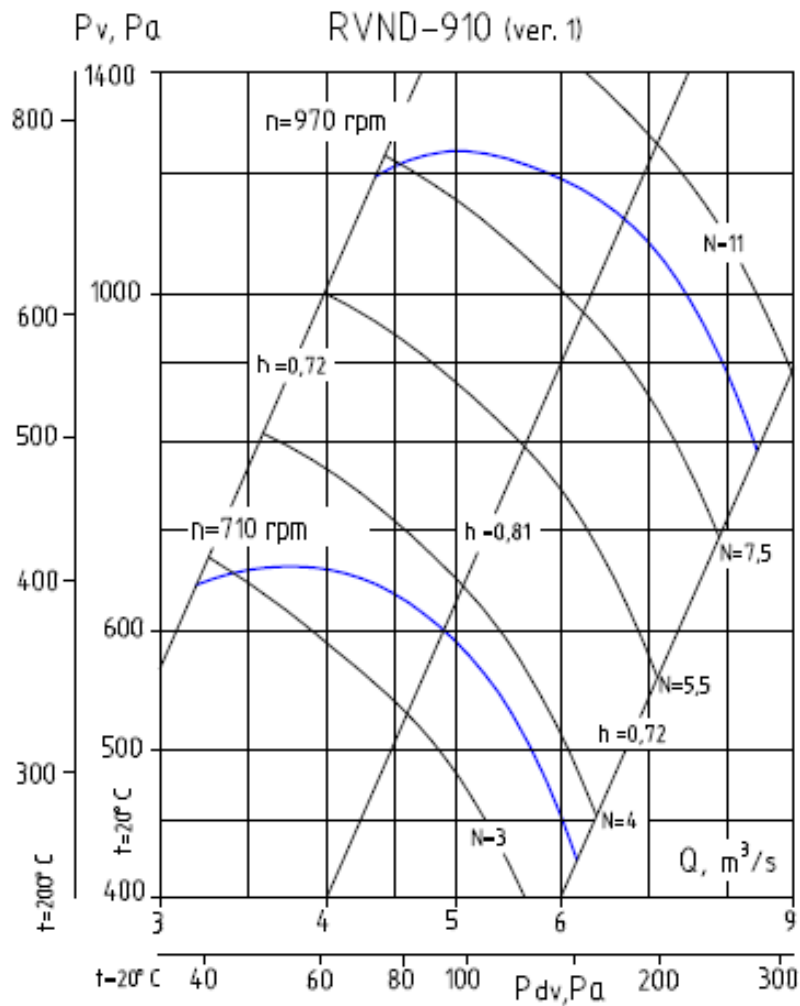
Aerodynamic characteristics



RVND-810 basic characteristics

Fan designation	Standard size of electromotor or	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVND-810 (version 1)	112MA8	2,2	710	2,2-4,3	520-335	265
	132S6	5,5	960	3,0-5,9	950-610	285
	160M4	18,5	1450	4,6-9,0	2170-1395	370
RVND-810 (version 5)	100L4 - - 160M4	2,2 - 18,5	700 - 1500	2,2 - 9,0	300 - 2100	360 Without electromotor

Aerodynamic characteristics

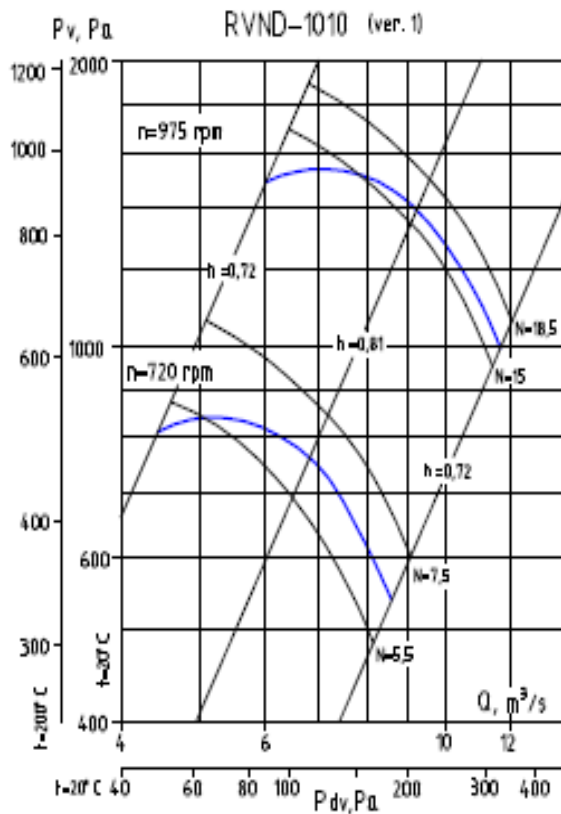


RVND-910 basic characteristics

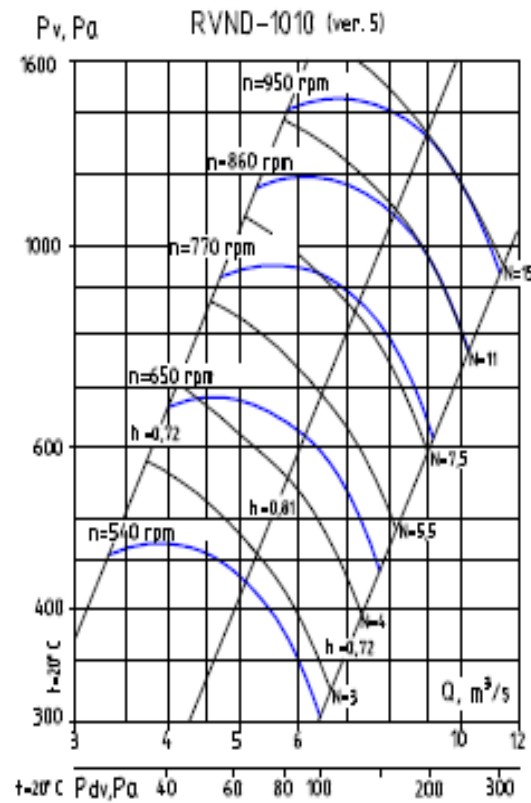
Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVND-910 (version 1)	132S8	4,0	710	3,2-6,2	630-420	360
	160S6	11	970	4,4-8,4	1190-790	415



Aerodynamic characteristics

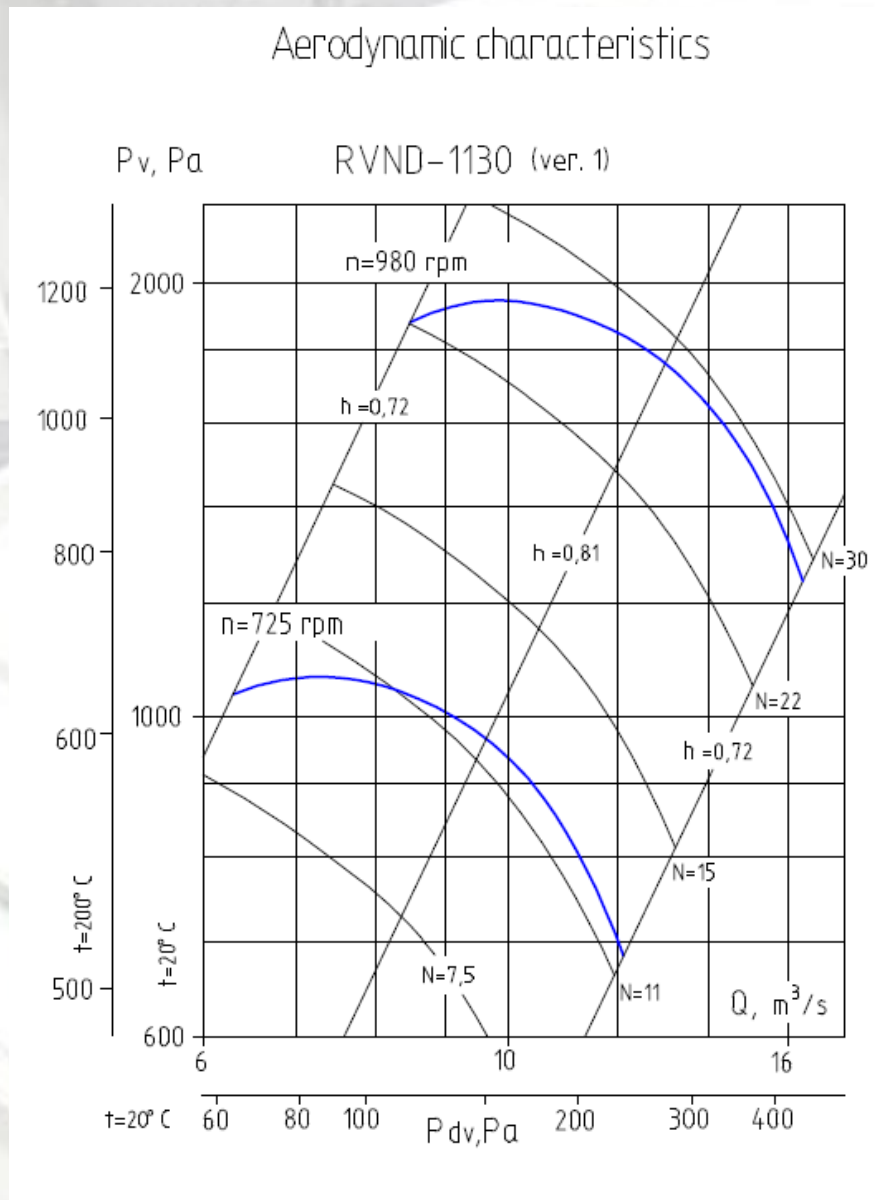


Aerodynamic characteristics



RVND-1010 basic characteristics

Fan designation	Standard size of electromotor or	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVND-1010 (version 1)	160S8 180M6	7,5 18,5	720 975	4,4-8,6 6,0-11,6	835-540 1530-985	535 595
RVND-1010 (version 5)	100L4 - - 160M4	2,2 - 18,5	500 -1000	3,5-11,0	300-1400	550 Without electromotor

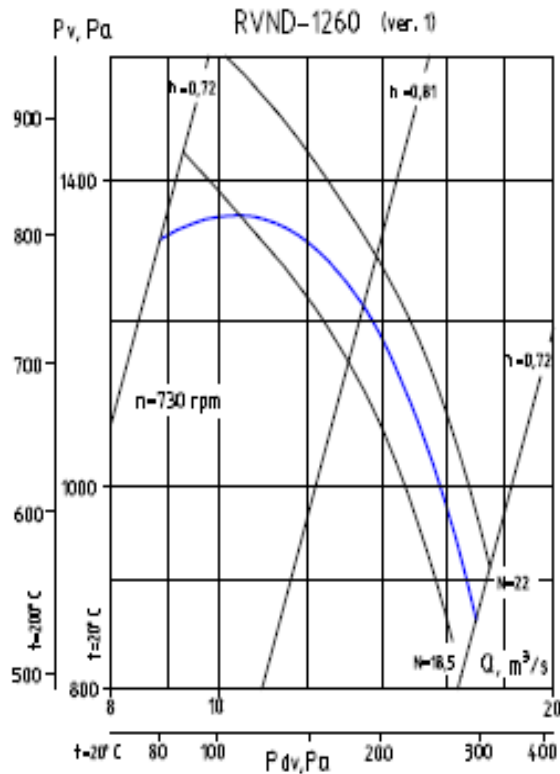


RVND-1130 basic characteristics

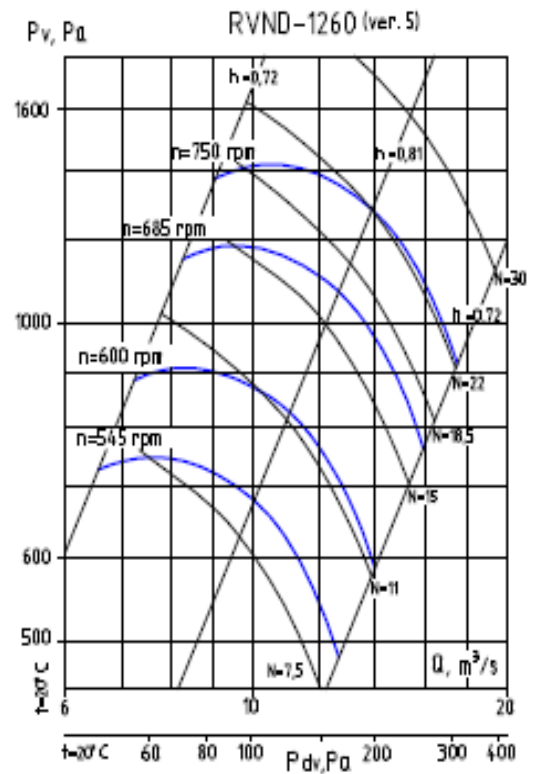
Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Total pressure, Pa	Weight* kg
RVND-1130 (version 1)	160M8	11	720	6,2-8,6	1010-1010	585
	180M8	15	725	6,3-12,1	1030-680	620
	200L6	30	980	8,5-16,4	1880-1250	735



Aerodynamic characteristics



Aerodynamic characteristics

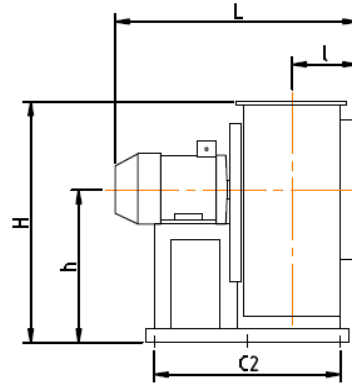
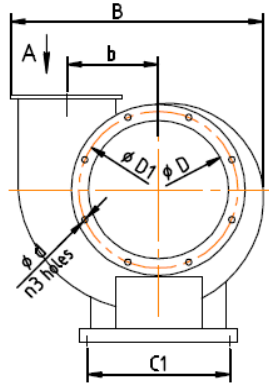


RVND-1260 basic characteristics

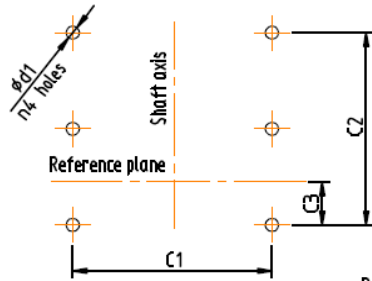
Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVND-1260 (version 1)	200M8	18,5	730	8,8-10,0	1300-1350	840
	200L8	22	730	8,8-17,0	1340-860	890
RVND-1260 (version 5)	132M4 - - 180M4	7,5 - 30	500 - 800	6,0-18,0	500-1400	680 Without electromotor

RVND-255 RVND-1260 (version 1)

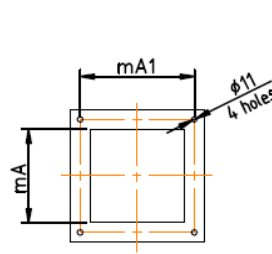
Overall and mounting dimensions



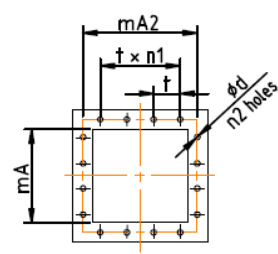
Sketch showing holes for fixing bolts



View A
(version "a")



View A
(version "b")



Positions of fan body (from the suction side)

Right-hand rotation

RD.270 ° RD.315 ° RD.0 ° RD.45 ° RD.90 ° RD.135 °



Left-hand rotation

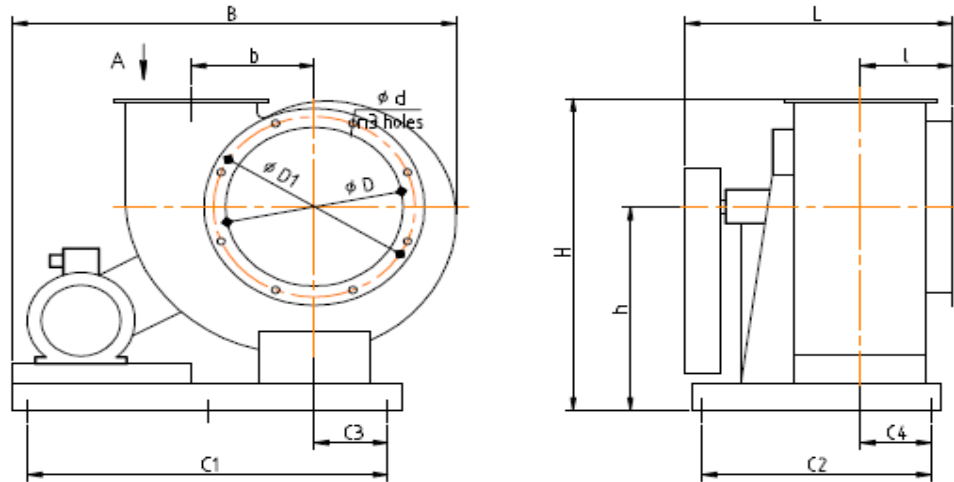
LG.135 ° LG.90 ° LG.45 ° LG.0 ° LG.315 ° LG.270 °



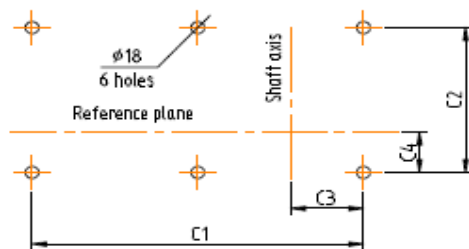
Fan's N°	Standard size of electromotor	B	H	L max	b	h	l	D	D1	d	n3	A	A1	A2	t	n1	n2	C1	C2	C3	d1	n4
255	56A-71A	475	480	475	163	305	140	255	280	7	8	175	200	200	100	2	8	270	340	4	12	4
320	56B-90L	590	585	580	205	375	172	320	340	7	8	220	240	255	100	2	12	250	470	111	12	4
405	63A-100S	735	725	660	260	465	202	405	430	7	8	280	300	310	100	2	12	310	265 x 2	141	12	6
	730			320 x 2																		
455	63B-80A	830	830	700	293	535	232	455	490	7	8	320	345	360	180	2	8	400	285 x 2	156	15	6
505	71A-100S	910	890	730	325	565	245	505	530	7	16	350	370	380	100	3	16	400	300 x 2	172	15	6
565	80A-100S	1020	1000	850	364	640	288	565	610	7	16	400	420	440	110	4	16	480	340 x 2	200	15	6
635	80B-100L	1140	1110	860	410	705	307	635	670	7	16	441	465	470	100	4	20	480	360 x 2	221	15	6
	970			430 x 2																		
720	112M-160M	1300	1285	1220	464	830	345	720	760	10	16	500	520	560	140	4	16	630	470 x 2	252	15	6
810	112M-180S	1450	1405	1210	520	895	376	810	850	10	16	560	575	600	150	4	16	610	500 x 2	282	15	6
910	132S-160S	1630	1580	1350	589	1005	410	910	950	10	16	630	-	680	170	4	16	840	500 x 2	312	18	6
1010	132S-200L	1800	1740	1500	651	1105	445	1010	1050	10	16	700	-	750	150	5	20	840	580 x 2	348	18	6
1130	160M-200L	2020	1980	1640	727	1270	501	1130	1180	10	16	790	-	840	140	6	24	930	650 x 2	400	18	6
1260	200M-225M	2240	2190	1700	814	1400	532	1260	1300	10	16	875	-	925	125	6	28	1000	675 x 2	435	18	6



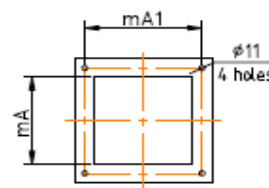
RVND-635 ...RVND-1260 (version 5) Overall and mounting dimensions



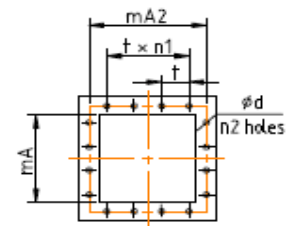
Sketch showing holes for fixing bolts



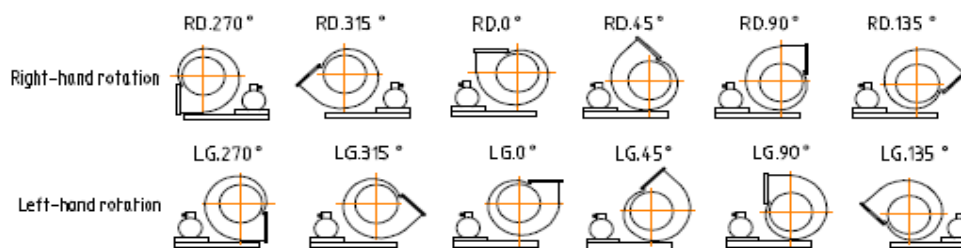
View A
(version "a")



View A
(version "b")



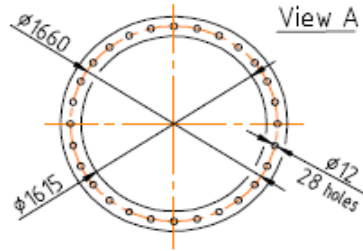
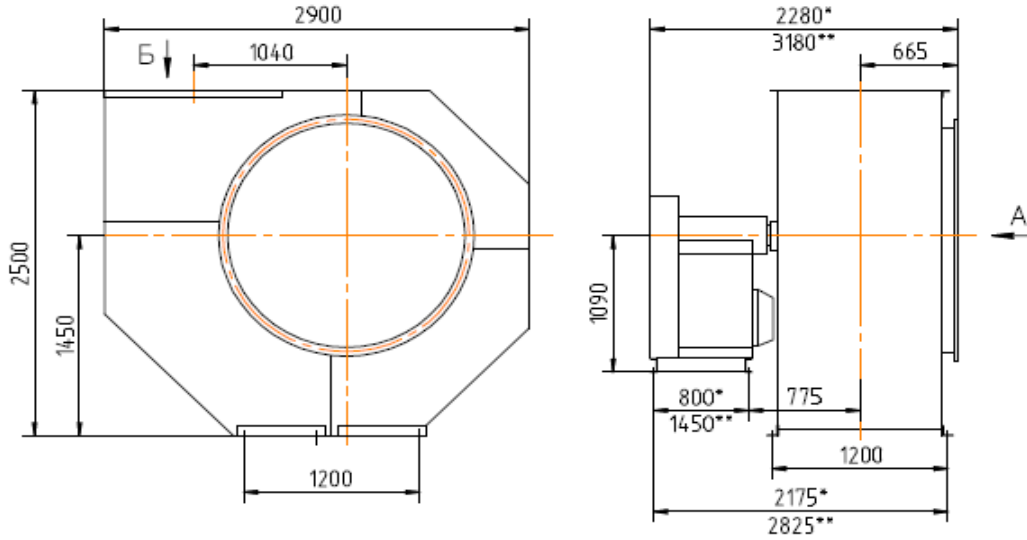
Positions of fan body (from the suction side)



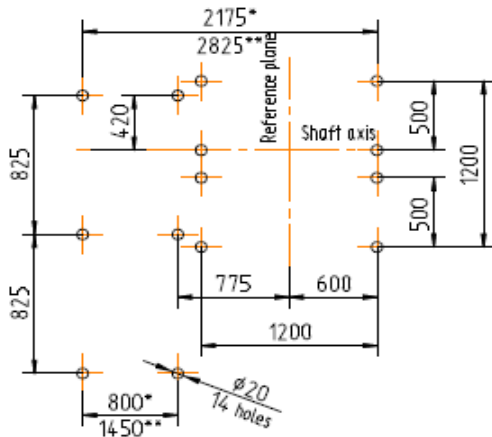
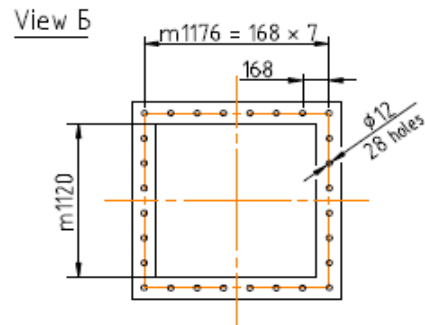
Fan's №	B max	H	L	b	h	l	D	D1	d	n3	A	A1	A2	t	n1	n2	C1	C2	C3	C4
635	1760	1165	900	410	760	307	635	670	7	16	441	465	470	100	4	20	600 × 2	785	245	245
810	2320	1460	1280	520	960	375	810	850	10	16	560	575	600	150	4	16	775 × 2	1050	245	302
1010	2710	1765	1500	651	1130	445	1010	1050	10	16	700	-	750	150	5	20	900 × 2	1190	335	373
1260	3100	2190	1650	814	1400	532	1260	1300	10	16	875	-	925	125	6	28	1000 × 2	1370	435	465

RVND-1615 (version 5)

Overall and mounting dimensions



Sketch showing holes for fixing bolts

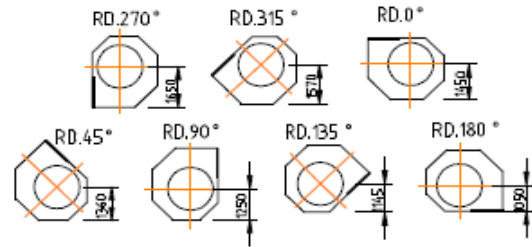


* Standard size of electromotor 132M - 200L

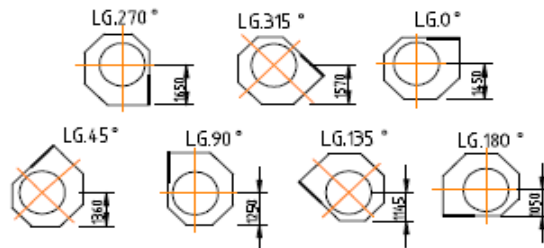
** Standard size of electromotor 225 - 280S

Positions of fan body

Right-hand rotation

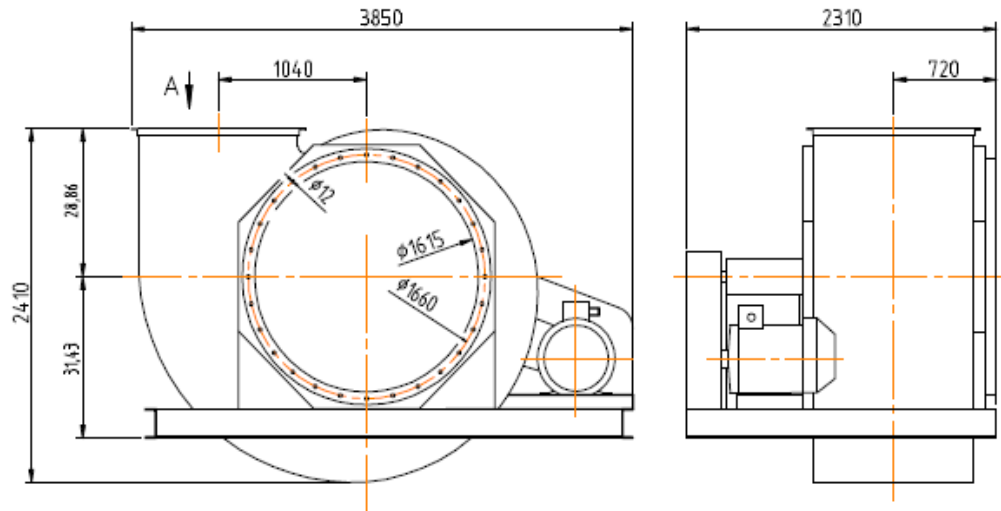


Left-hand rotation





RVND-1615 (Version 5, on common base plate)
Overall and mounting dimensions



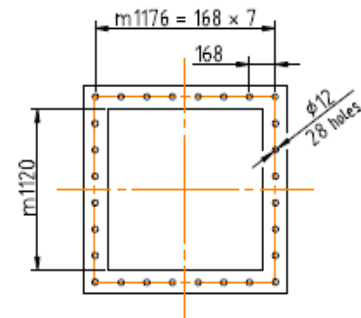
View A

Positions of fan body (from the suction side)

Right-hand rotation

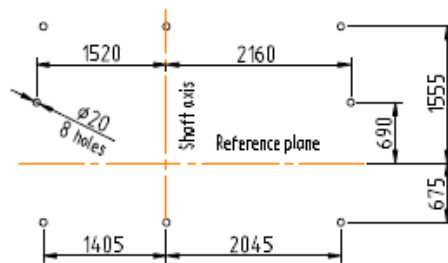


Left-hand rotation

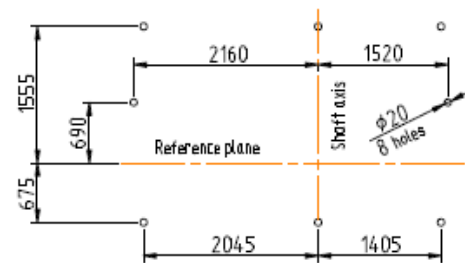


Sketch showing holes for fixing bolts

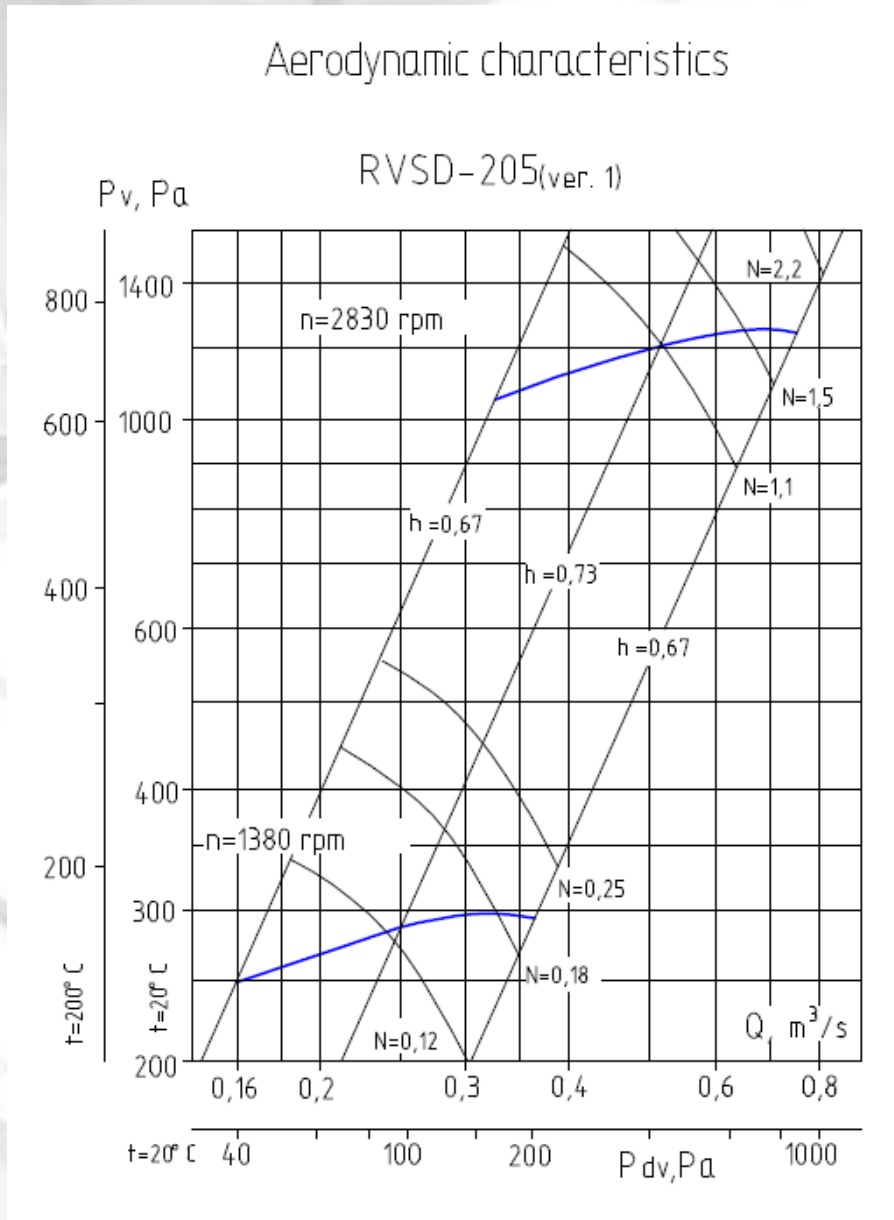
Right-hand rotation



Left-hand rotation



Medium Pressure Radial Fans (RVSD)

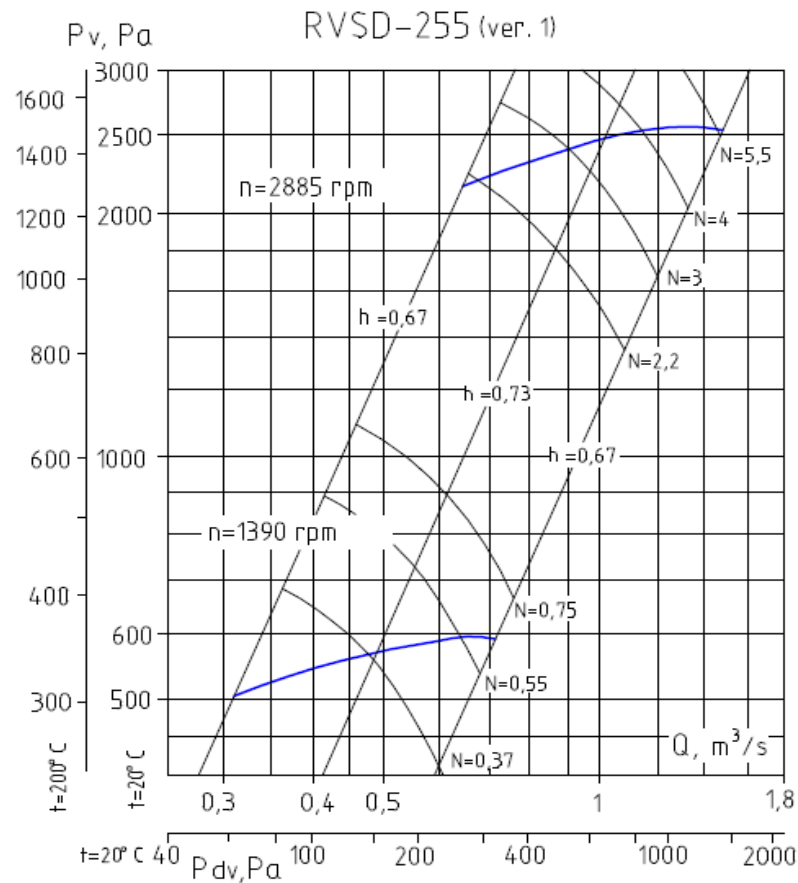


RVSD-205 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVSD-205 (version 1)	56B4**	0,18	1370	0,16-0,32	250-290	21
	63A4	0,25	1380	0,16-0,36	255-300	23
	71B2	1,1	2810	0,32-0,5	1060-1205	32
	80A2	1,5	2820	0,32-0,6	1065-1255	34
	80B2	2,2	2830	0,33-0,74	1075-1255	37



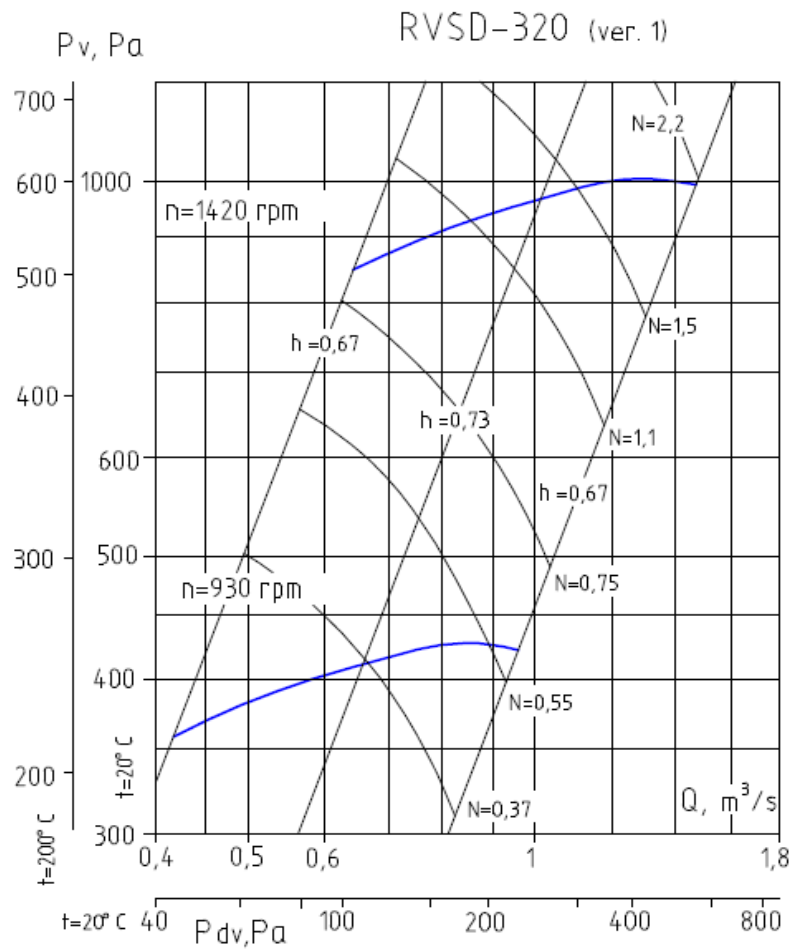
Aerodynamic characteristics



RVSD-255 basic characteristics

Fan designation	Standard size of electromotor or	Installed power, kW	Rotation frequency RK, rpm	Productivity m3/s	Total pressure, Pa	Weight* kg
RVSD-255 (version 1)	71A4	0,55	1390	0,3-0,6	505-600	36
	71B4	0,75	1390	0,3-0,7	505-590	36
	90L2	3,0	2870	0,65-0,9	2180-2410	50
	100S2	4,0	2870	0,65-1,1	2180-2520	59
	100L2	5,5	2885	0,65-1,4	2180-2510	64

Aerodynamic characteristics

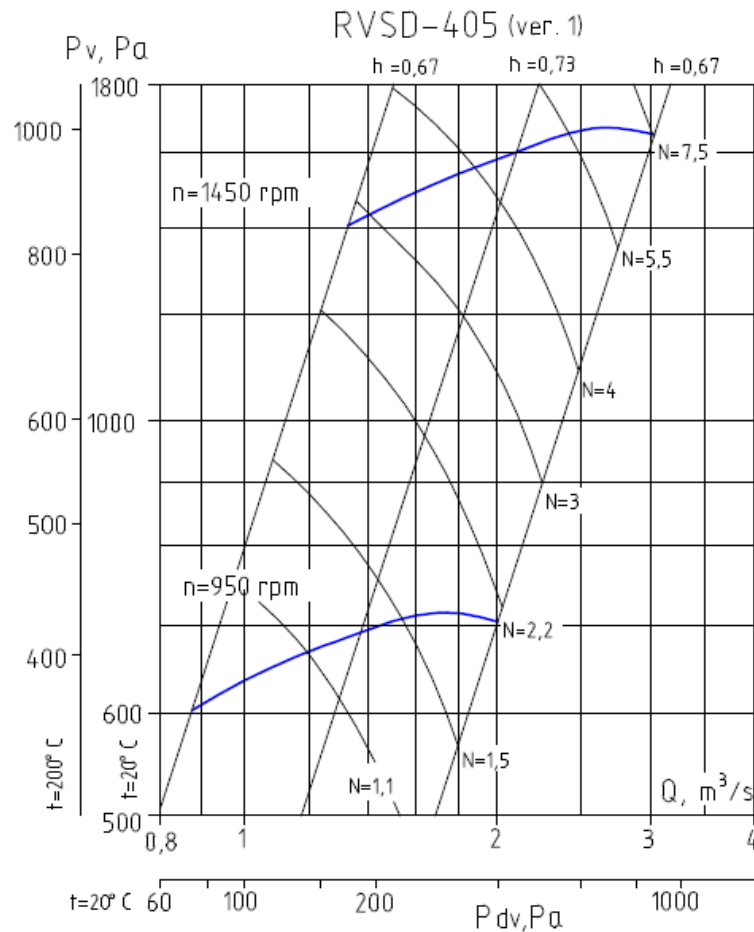


RVSD-320 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVSD-320 (version 1)	71A6	0,37	910	0,4-0,65	345-390	46
	71B6	0,55	900	0,4-0,9	340-390	46
	80A6	0,75	930	0,4-1,0	360-420	49
	80B4	1,5	1405	0,6-1,1	820-950	51
	90L4	2,2	1420	0,65-1,5	840-970	60



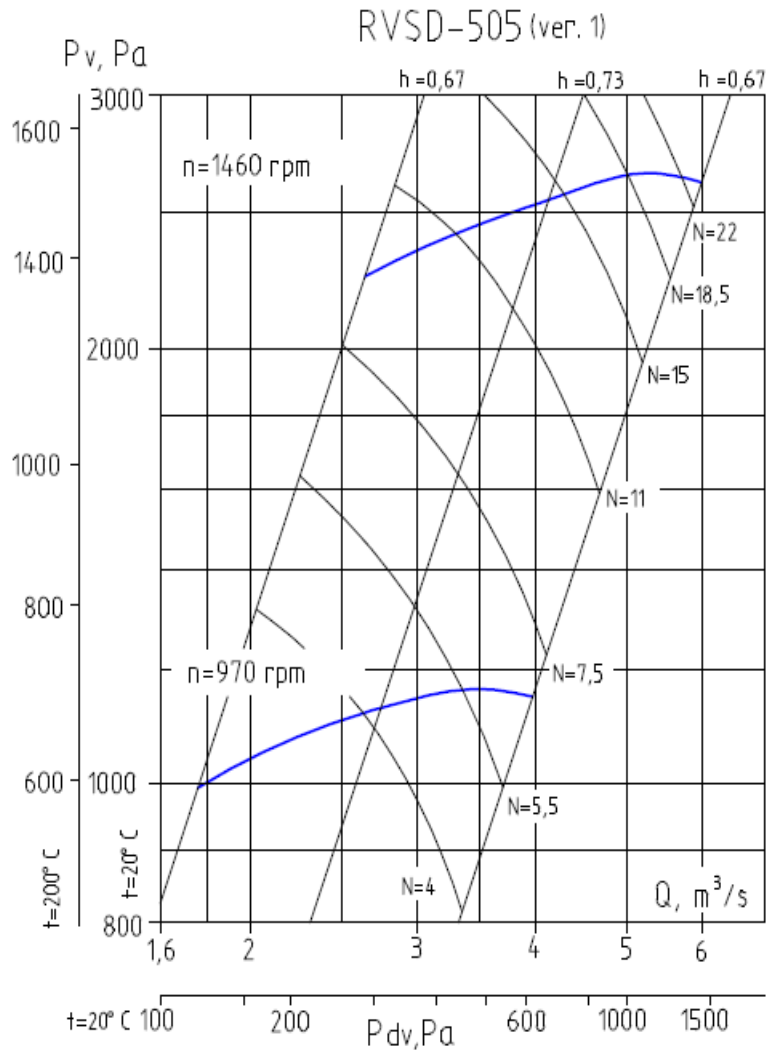
Aerodynamic characteristics



RVSD-405 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Total pressure, Pa	Weight* kg
RVSD-405 (version 1)	90L6	1,5	940	0,9-1,5	590-680	78
	100L6	2,2	950	0,9-2,0	605-700	91
	100L4	4,0	1430	1,3-1,8	1370-1480	91
	112M4	5,5	1430	1,3-2,4	1370-1600	112
	132S4	7,5	1450	1,3-3,0	1410-1640	132

Aerodynamic characteristics

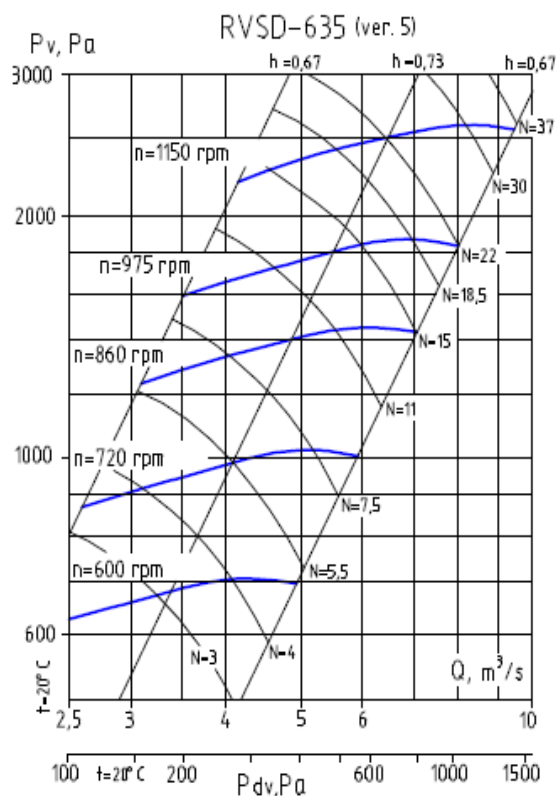
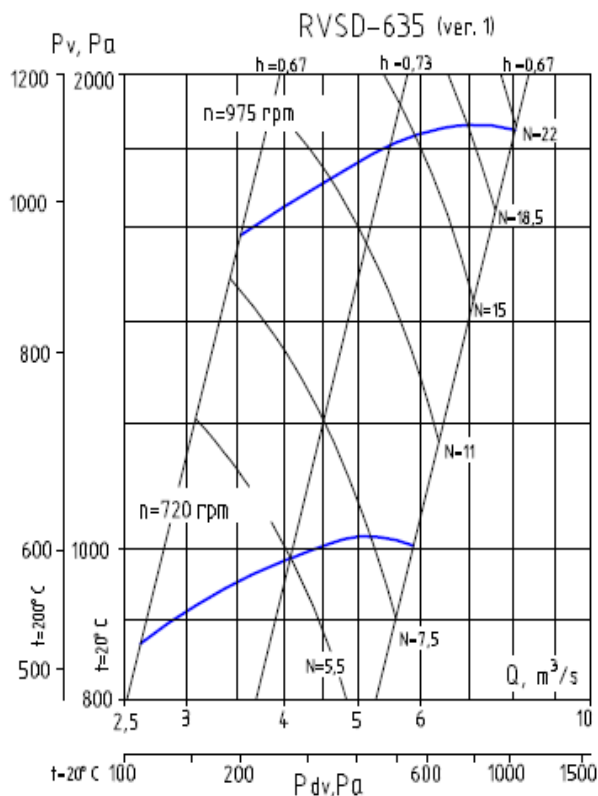


RVSD-505 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVSD-505 (version 1)	112MB6	4,0	950	1,7-2,7	945-1075	145
	132S6	5,5	960	1,7-3,3	965-1100	165
	132M6	7,5	970	1,8-4,0	985-1150	185
	160S4	15	1450	2,6-4,3	2200-2500	225
	160M4	18,5	1450	2,6-5,0	2200-2550	250
	180S4	22	1460	2,6-5,8	2235-2600	265



Aerodynamic characteristics

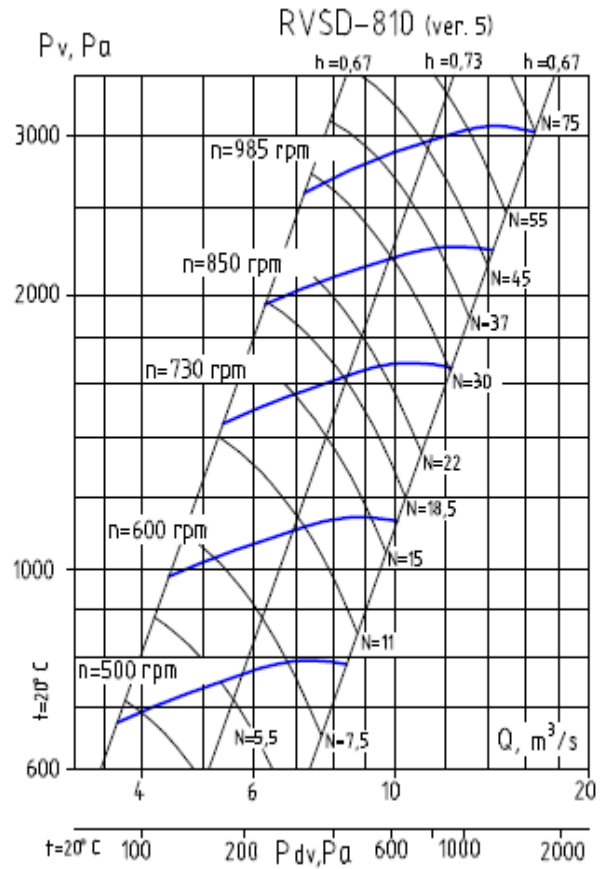
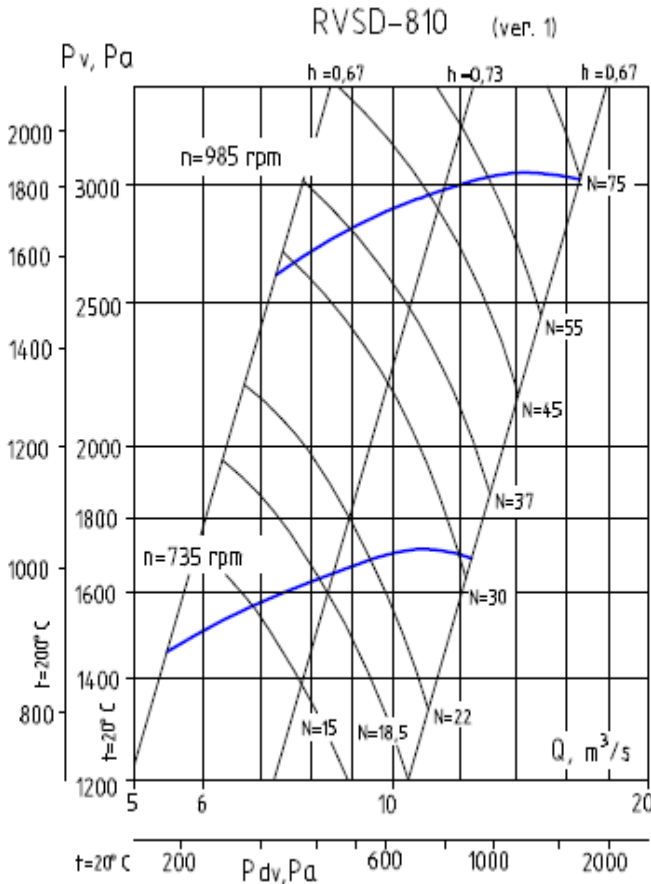


RVSD-635 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVSD-635 (version 1)	132M8	5,5	710	2,6-4,2	840-950	230
	160S8	7,5	720	2,6-5,1	860-1010	275
	160M8	11	720	2,6-5,9	860-1005	285
	160M6	15	975	3,5-6,0	1580-1800	285
	180M6	18,5	975	3,5-7,0	1580-1860	335
	200M6	22	975	3,5-8,0	1580-1840	410
RVSD-635 (version 5)	132S8- 250S6	4,0 - 45	600 - 1150	2,2 - 9,5	600 - 2500	230 Without electromotor



Aerodynamic characteristics

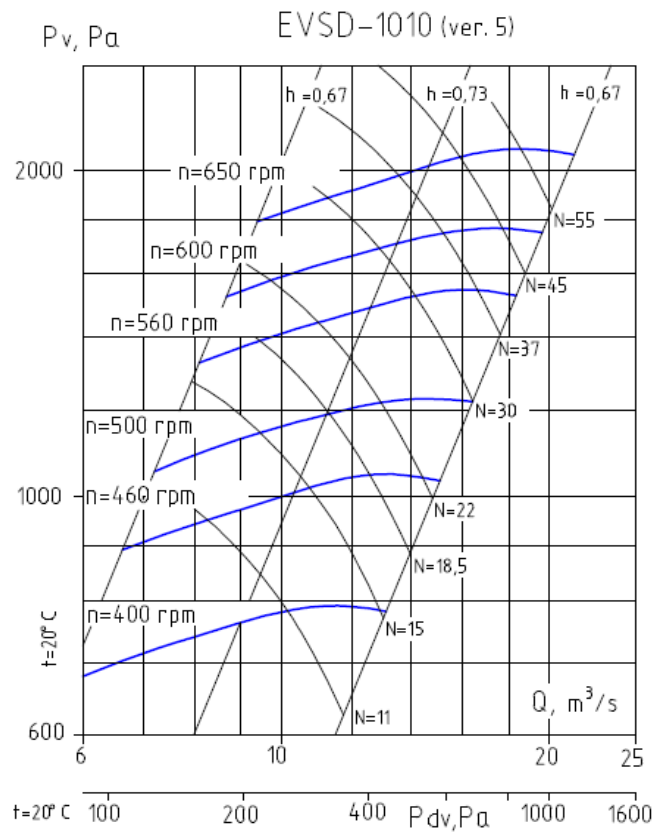


RVSD-810 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVSD-810 (version 1)	200M8	18,5	730	5,4-8,5	1430-1600	500
	200L8	22	730	5,4-9,5	1430-1640	540
	225M8	30	735	5,4-12,0	1450-1700	585
	250S6	45	985	7,3-11,0	2600-2920	720
	250M6	55	985	7,3-13,0	2660-3000	765
RVSD-810 (version 5)	132M8-280S6	5,5 - 75	500 - 985	3,7 - 16,0	670 - 3000	380 Without electromotor



Aerodynamic characteristics

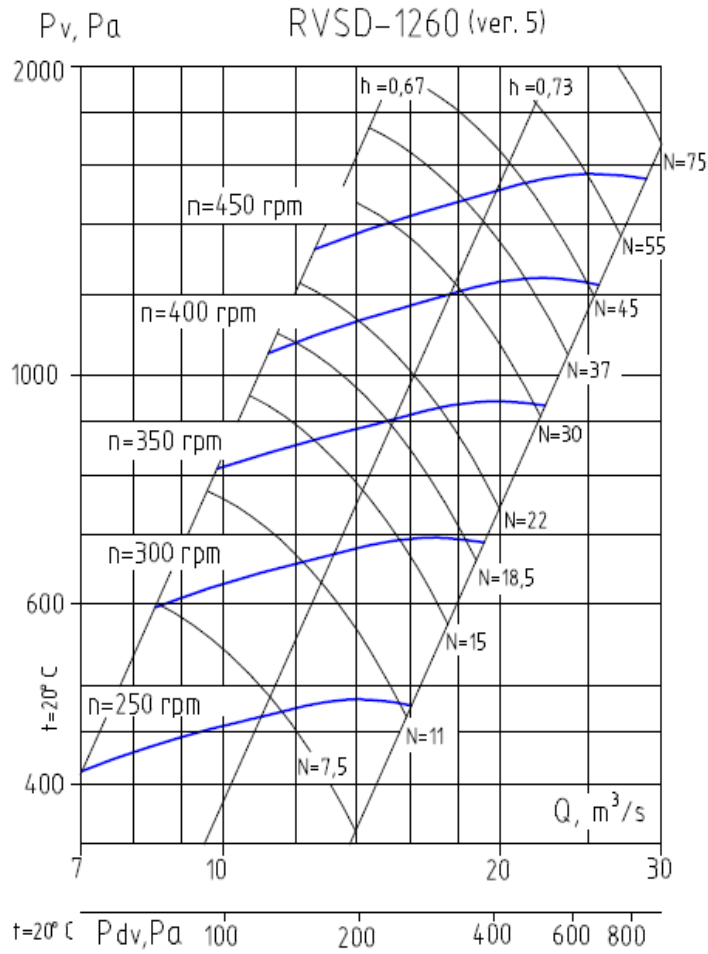


RVSD-1010 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVSD-1010 (version 5)	160M8-280M8	11 - 75	400 - 650	6,0 - 21,0	640 - 2050	600 Without electromotor



Aerodynamic characteristics



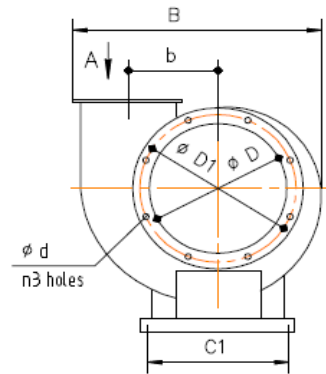
RVSD-1260 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVSD-1260 (version 5)	160S8-280M8	7,5 - 75	250 - 450	7,0 - 27,0	400 - 1500	750 Without electromotor

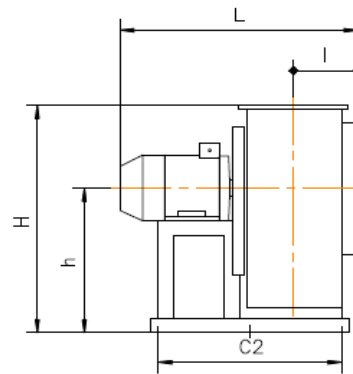


RVSD-205.....RVSD-810 (version 1)

Overall and mounting dimensions

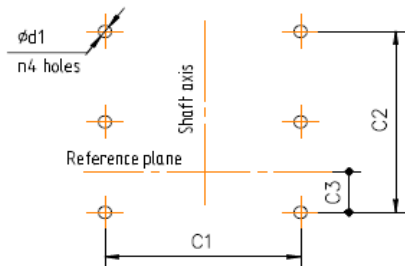


Sketch showing holes for fixing bolts

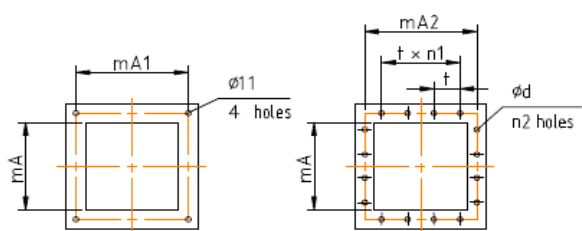


View A
(version "a")

View A
(version "B")



Positions of fan body (from the suction side)



Right-hand rotation

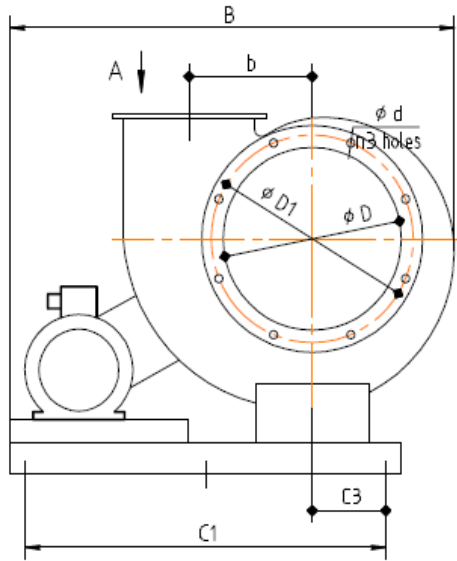


Left-hand rotation

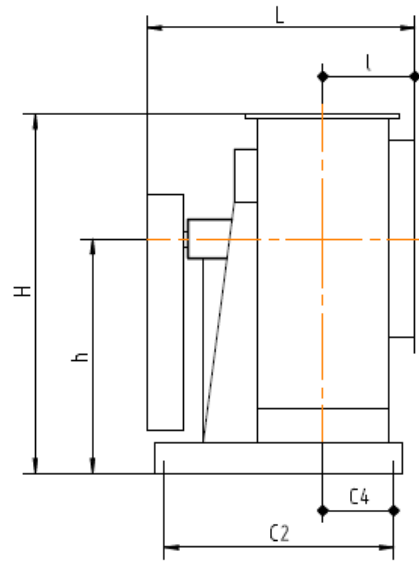


Fan's №	Standard size of electromotor	B	H	L _{max}	b	h	l	D	D1	d	n3	A	A1	A2	t	n1	n2	C1	C2	C3	d1	n4
205	56A-90L	385	420	500	130	275	123	205	235	7	8	140	170	170	100	1	8	225	300	-19	12	4
255	63B-100S	475	480	540	163	305	140	255	280	7	8	175	200	200	100	2	8	270	340	4	12	4
	620			410																		
320	71A-100S	590	585	590	205	375	172	320	340	7	8	220	240	255	100	2	12	250	470	111	12	4
405	80A-100S	735	725	650	260	465	202	405	430	7	8	280	300	310	100	2	12	310	265 × 2	141	12	6
	790			320 × 2																		
505	112M-160S	910	890	975	325	565	245	505	530	7	16	350	370	380	100	3	16	400	370 × 2	172	15	6
	1030			405 × 2																		
635	112M-160M	1140	1110	1100	410	705	307	635	670	7	16	441	465	470	100	4	20	480	430 × 2	221	15	6
	1240			485 × 2																		
810	160S-180M	1450	1405	1230	520	895	376	810	850	10	16	560	575	600	150	4	16	610	500 × 2	282	15	6
	200M-250M		1475	1475															565 × 2			
	280S-280M		1445	1740															935			

RVSD-635 ... RVSD-1260 (version 5) Overall and mounting dimensions

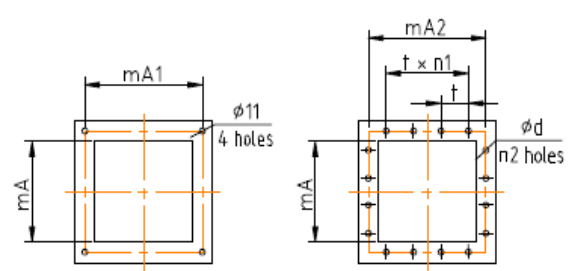
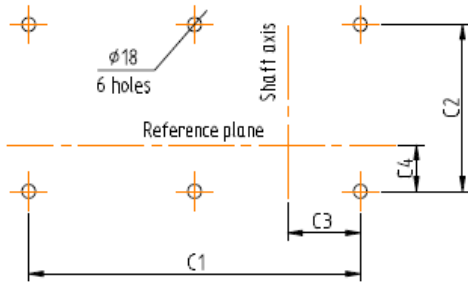


Sketch showing holes for fixing bolts

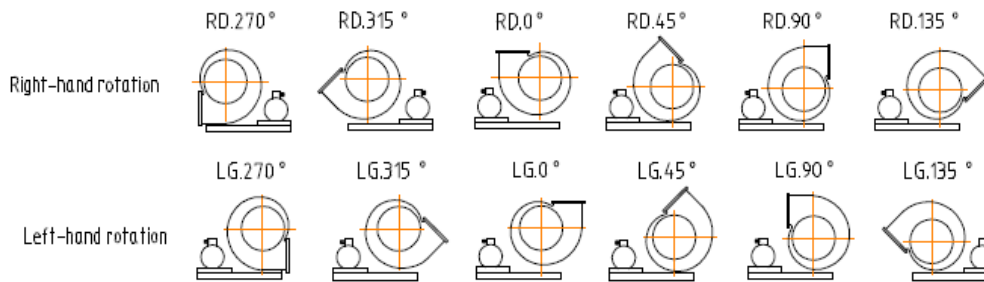


View A
(version "a")

View A
(version "b")



Positions of fan body (from the suction side)

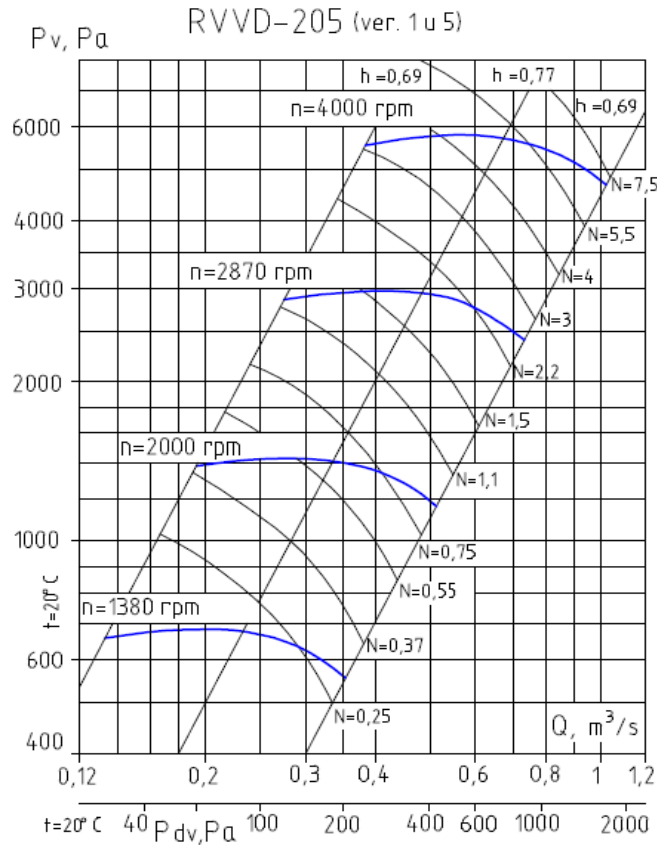


Fan's №	B max	H	L	b	h	l	D	D1	d	n3	A	A1	A2	t	n1	n2	C1	C2	C3	C4
635 15 κBm	1760	1165	900	410	760	307	635	670	7	16	441	465	470	100	4	20	600 × 2	785	245	245
635 18,5 κBm	1960		1150														700 × 2	935		
810 55 κBm	2320	1460	1280	520	960	375	810	850	10	16	560	575	600	150	4	16	775 × 2	1050	245	302
1010 55 κBm	2710	1765	1500	651	1130	445	1010	1050	10	16	700	-	750	150	5	20	900 × 2	1190	335	373
1260 75 κBm	3180	2190	1650	814	1460	532	1260	1300	10	16	875	-	925	125	6	28	1100 × 2	1390	545	475



High Pressure Radial Fans (RVVD)

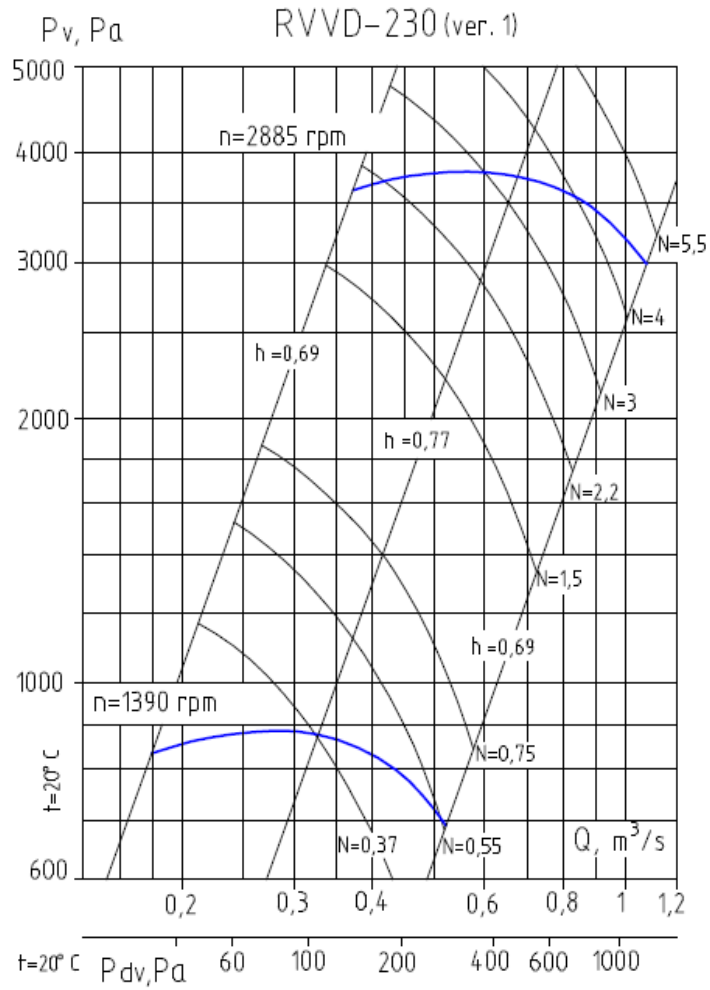
Aerodynamic characteristics



RVVD-205 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Total pressure, Pa	Weight* kg
RVVD-205 (version 1)	63B4	0,37	1380	0,14-0,35	660-580	40
	90L2	3	2870	0,28-0,71	2860-2500	60
RVVD-205 (version 5)	80A2 - 112M2	1,5-7,5	1500-4000	0,14-1,0	660-4850	65 Without electromotor

Aerodynamic characteristics

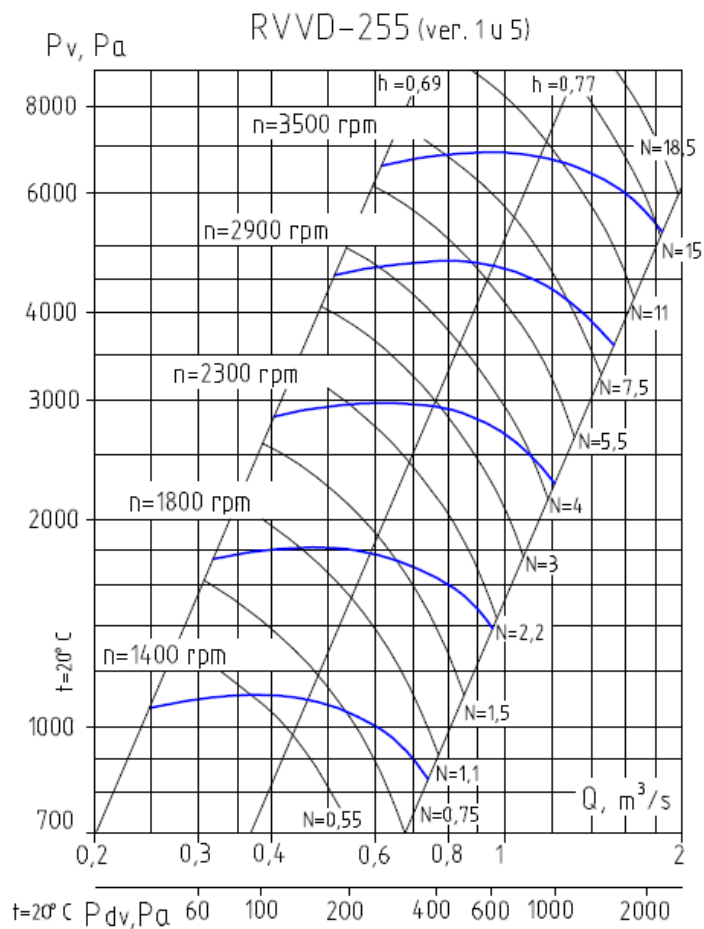


RVVD-230 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Total pressure, Pa	Weight* kg
RVVD-230 (version 1)	71B4 100L2	0,75 5,5	1390 2885	0,18-0,52 0,37-1,1	840-710 3600-3000	55 80



Aerodynamic characteristics

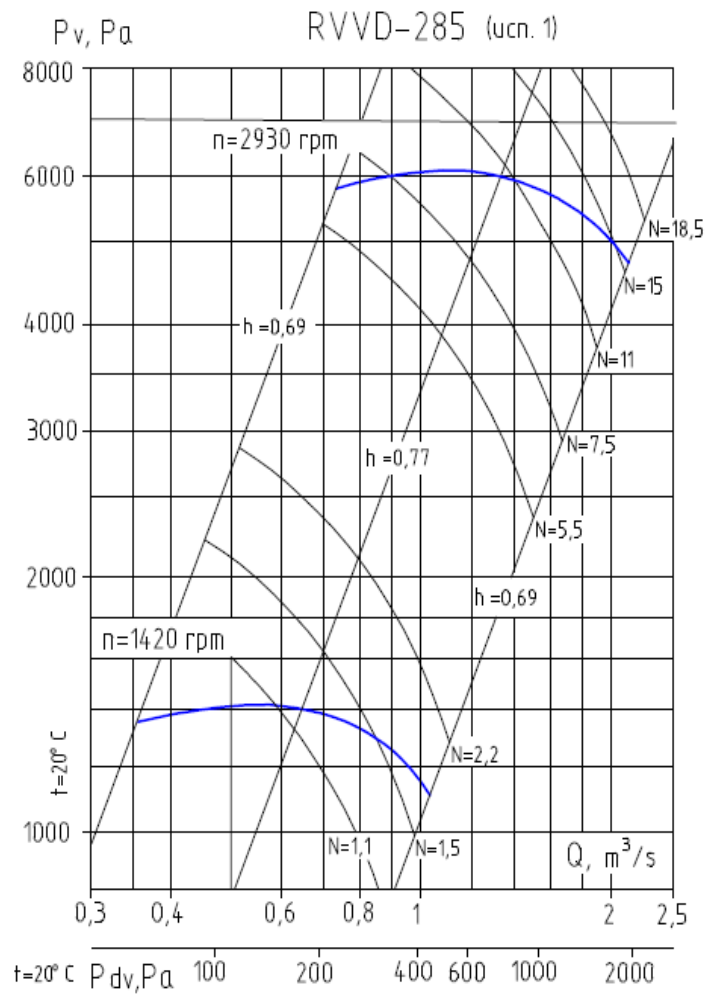


RVVD-255 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD-255 (version 1)	80A4 132M2	1,1 11	1400 2900	0,25-0,74 0,52-1,5	1050-860 4500-3850	70 150
RVVD-255 (version 5)	90L2 - 160M2	3-18,5	1500-3500	0,25-1,82	1050-5360	120 Without electromotor



Aerodynamic characteristics

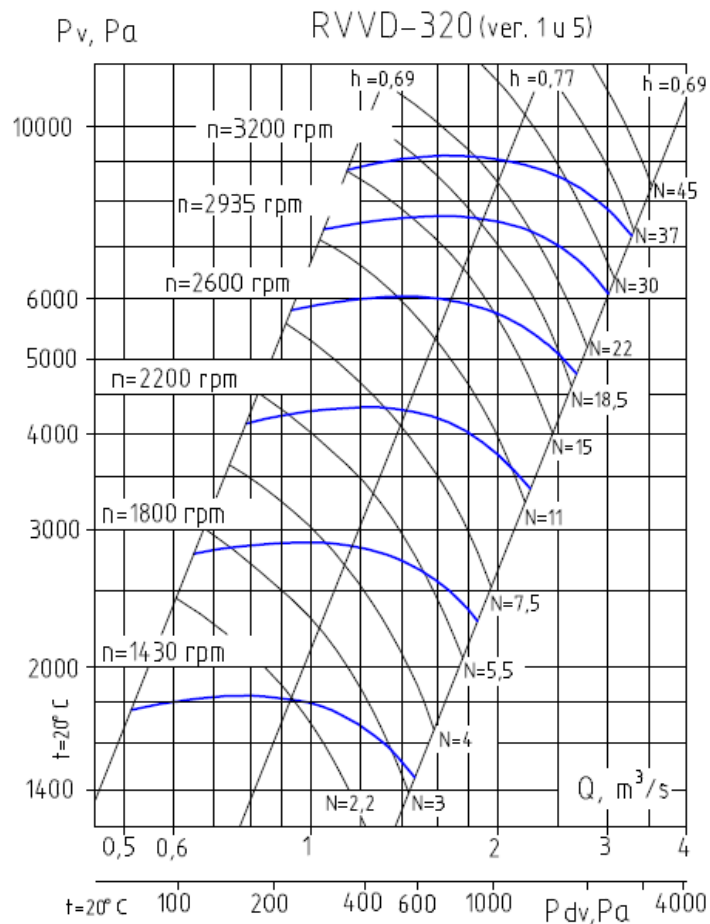


RVVD-285 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m3/s	Total pressure, Pa	Weight* kg
RVVD-285 (version 1)	90L4	2,2	1420	0,35-1,03	1360-1120	90
	160S2	15	2930	0,73-2,2	5790-4760	205



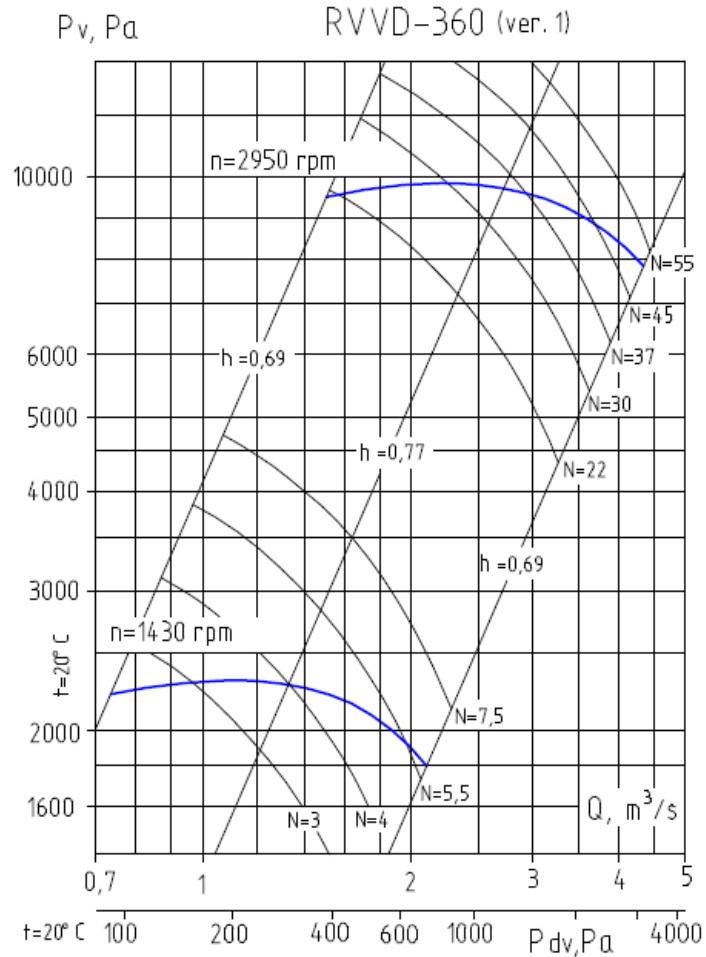
Aerodynamic characteristics



RVVD-320 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD-320 (version 1)	100L4	4,0	1430	0,5-1,5	1750-1450	120
	180M2	30	2935	1,1-3,0	7350-6050	310
RVVD-320 (version 5)	100L4 - 200M2	4-37	1500-3200	0,5-3,3	1750-7250	165 Without electromotor

Aerodynamic characteristics

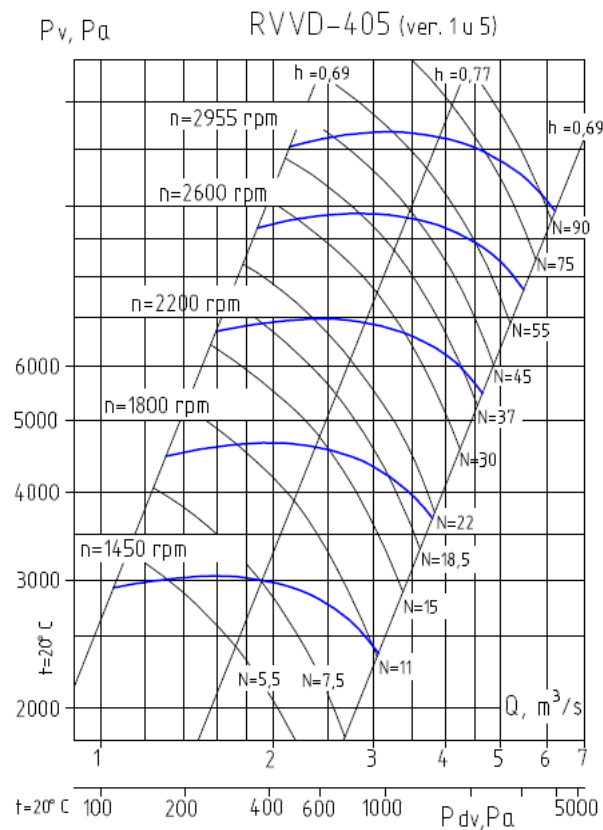


RVVD-360 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m3/s	Total pressure, Pa	Weight* kg
RVVD-360 (version 1)	132S4 - 225M2	7,5 55	1430 2950	0,7-2,2 1,5-4,4	2250-1950 9450-7800	210 515



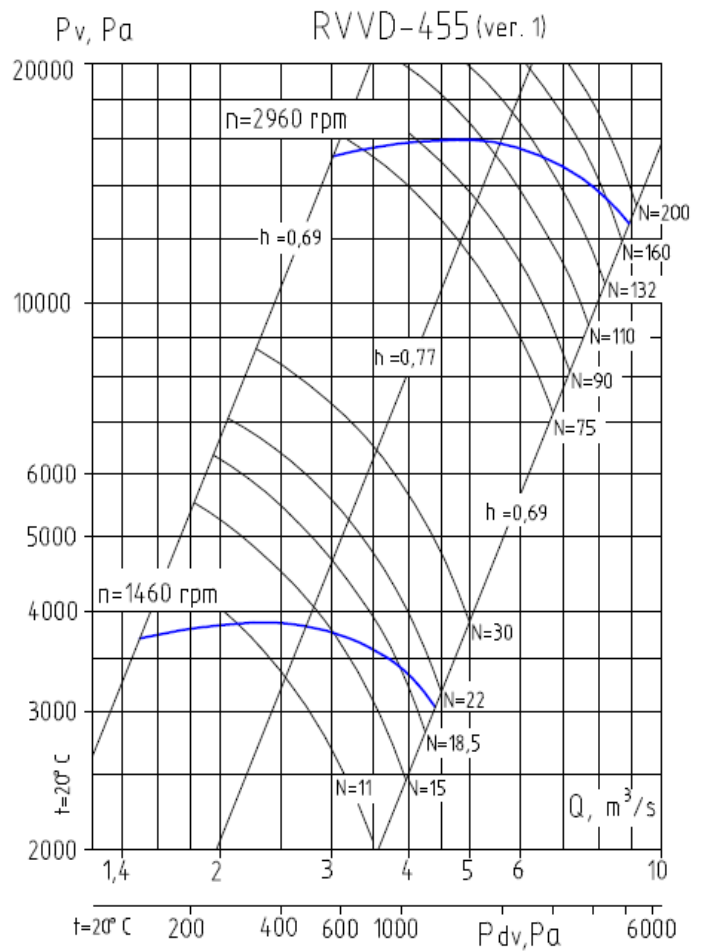
Aerodynamic characteristics



RVVD-405 basic characteristics

Fan designation	Standard size of electromotor or	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Total pressure, Pa	Weight* kg
RVVD-405 (version 1)	132M4 250M2	11 90	1450 2955	1,1-3,1 2,2-6,0	2900-2350 12050-10000	255 700
RVVD-405 (version 5)	132S4 - 250M2	7,5-90	1500-3000	1,0-6,0	2900-10000	350 Without electromotor

Aerodynamic characteristics

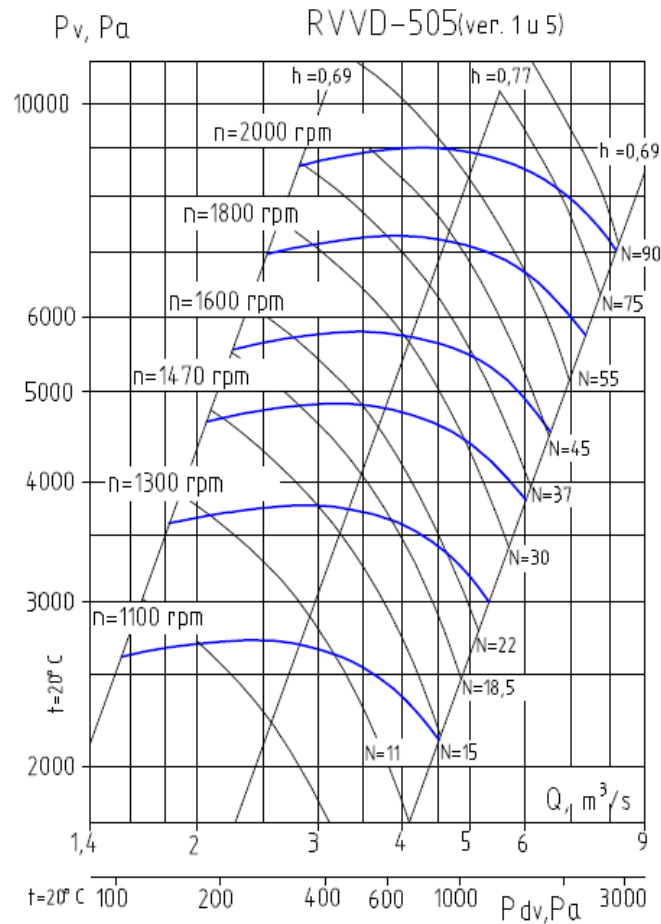


RVVD-455 basic characteristics

Fan designation	Standard size of electromot or	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Total pressure, Pa	Weight* kg
RVVD-455 (version 1)	180S4 280M2	22 132	1460 2960	1,5-4,4 3,0-6,5	3700-3100 15300-15200	390 1190



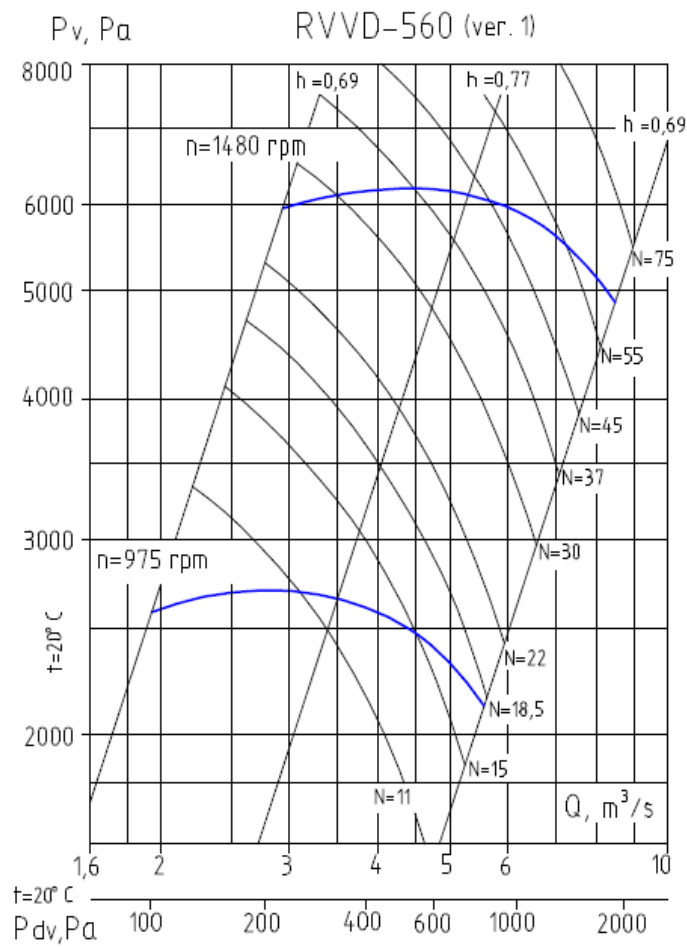
Aerodynamic characteristics



RVVD-505 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD-505 (version 1)	200M4	37	1470	2,1-6,0	4650-3850	545
RVVD-505 (version 5)	160S4 - 250M4	15 - 90	1100- 2000	1,6-8,2	2600-7000	480 Without electromotor

Aerodynamic characteristics

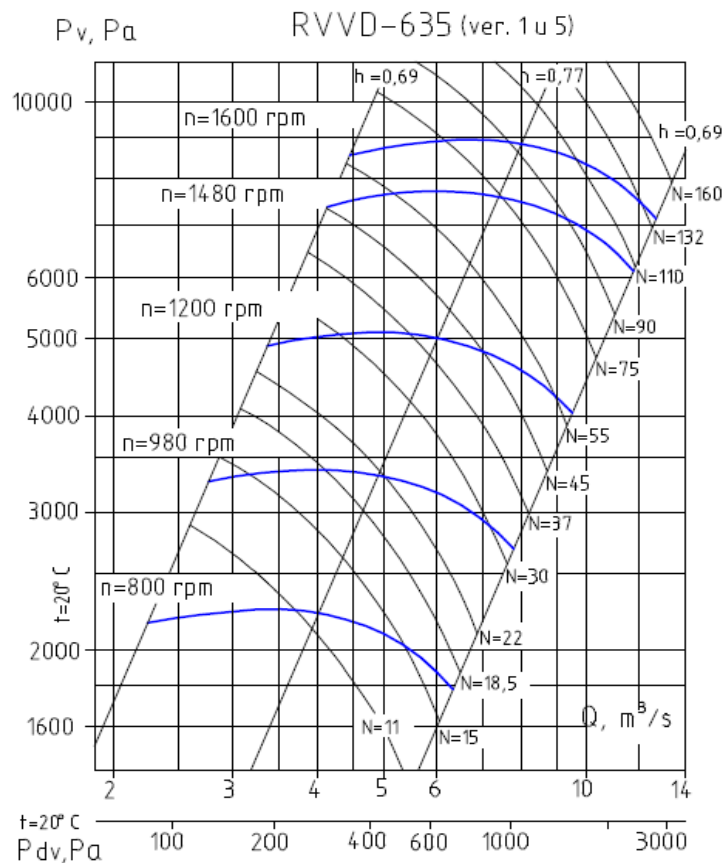


RVVD-560 basic characteristics

Fan designation	Standard size of electromotor or	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD-560 (version 1)	180M6 250S4	18,5 75	975 1480	1,9-5,5 2,9-8,4	2550-2150 5900-5000	580 890



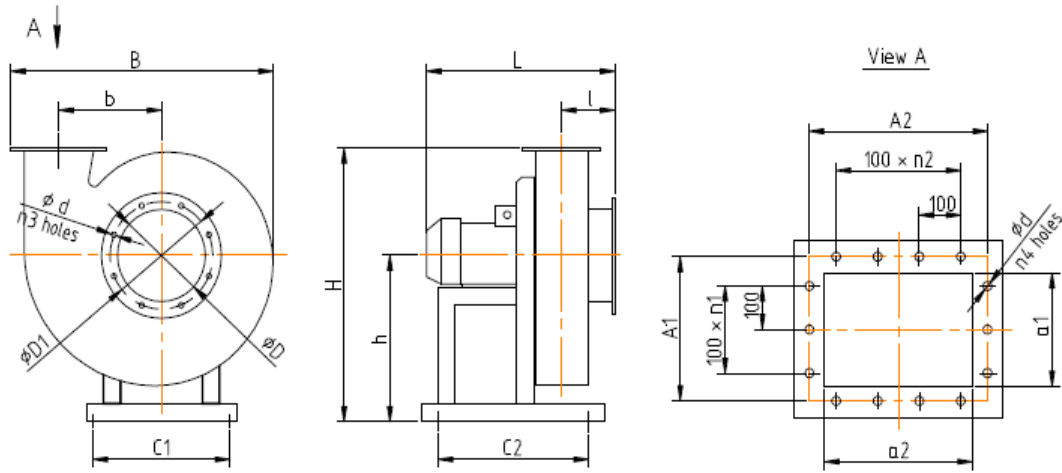
Aerodynamic characteristics



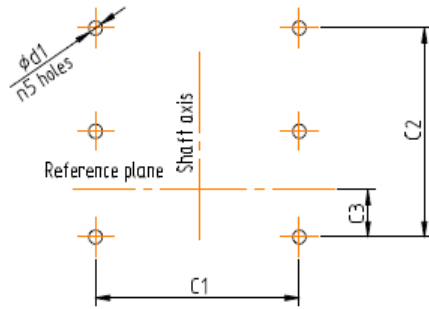
RVVD-635 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD-635 (version 1)	200L6	30	980	2,7-7,8	3250-2700	785
	250M4	90	1480	4,2-11,6	7350-6200	1015
RVVD-635 (version5)	160S4 - 280M4	15-55	800-1600	2,3-12,5	2150-7250	690
		75-90				750
		110-132				940
						Without electromotor

RVVD-205 RVVD-635 (version 1) Overall and mounting dimensions

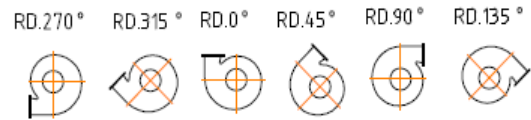


Sketch showing holes for fixing bolts

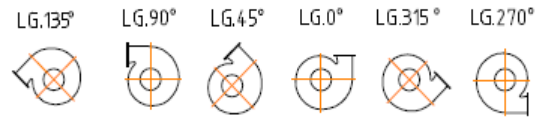


Positions of fan body (from the suction side)

Right-hand rotation



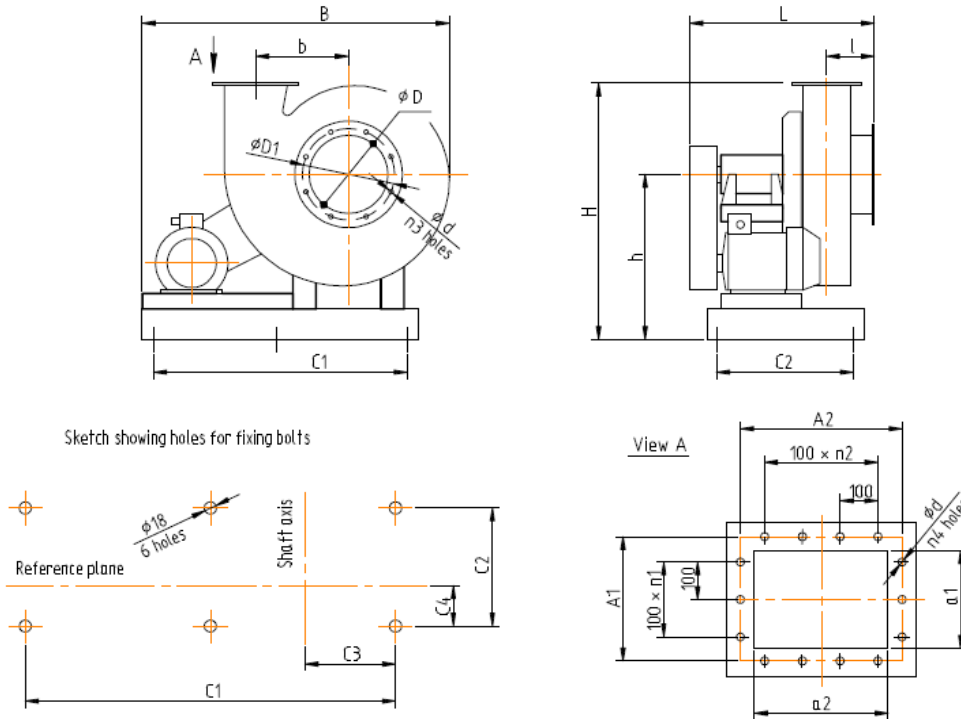
Left-hand rotation



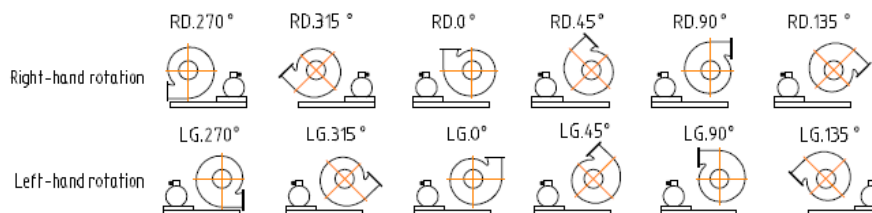
Fan's №	Standard size of electromotor	B	H	L _{max}	b	h	l	D	D1	d	n3	a1	A1	n1	a2	A2	n2	n4	C1	C2	C3	d1	n5
205	63A-100S	620	625	520	240	385	140	205	240	7	8	130	170	1 holes	170	210	2	8	330	310	5	12	4
230	71A-100L	690	700	580	270	430	162	230	265	7	8	140	160	1 holes	185	225	2	8	390	400	68	15	4
255	80A-100L	765	765	585	300	465	155	255	290	7	8	160	200	1	210	250	2	10	400	440	78	15	4
	720			255 × 2																6			
285	80A-100S	850	885	620	336	550	179	285	320	7	8	175	215	1	230	270	2	10	480	420	79	15	4
	880			285 × 2																6			
320	90L-100L	955	950	625	379	575	175	320	355	7	8	200	240	1	260	300	3	12	480	460	99	15	4
	160S-200L		975	1010		600													580	370 × 2			
360	100S-132M	1085	1120	825	426	700	238	360	395	10	8	225	275	1	290	340	3	12	600	285 × 2	105	18	6
	180M-225M			1115															640	390 × 2			
405	132S-160S	1215	1215	935	480	740	220	405	440	10	8	250	300	2	330	380	3	14	620	315 × 2	123	18	6
	225M-250M			1200															700	435 × 2			
455	160S-180M	1360	1355	1050	541	825	285	455	490	10	8	280	340	2	365	420	3	14	720	360 × 2	137	18	6
	250S-280M		1430	1425		900													800	350 × 3			
505	160M-200L	1505	1495	1175	600	910	310	505	540	10	16	310	360	2	405	455	4	16	760	405 × 2	152	18	6
560	160S-200L	1685	1690	1210	675	1030	328	560	610	10	16	345	395	3	455	505	4	18	800	430 × 2	168	18	6
	225M-250M			1350																475 × 2			
635	180M-200L	1870	1860	1270	750	1130	368	635	670	10	16	390	440	3	510	560	5	20	960	470 × 2	188	18	6
	225M-250M			1400																6			



RVVD-205 RVVD-635(version 5)
Overall and mounting dimensions

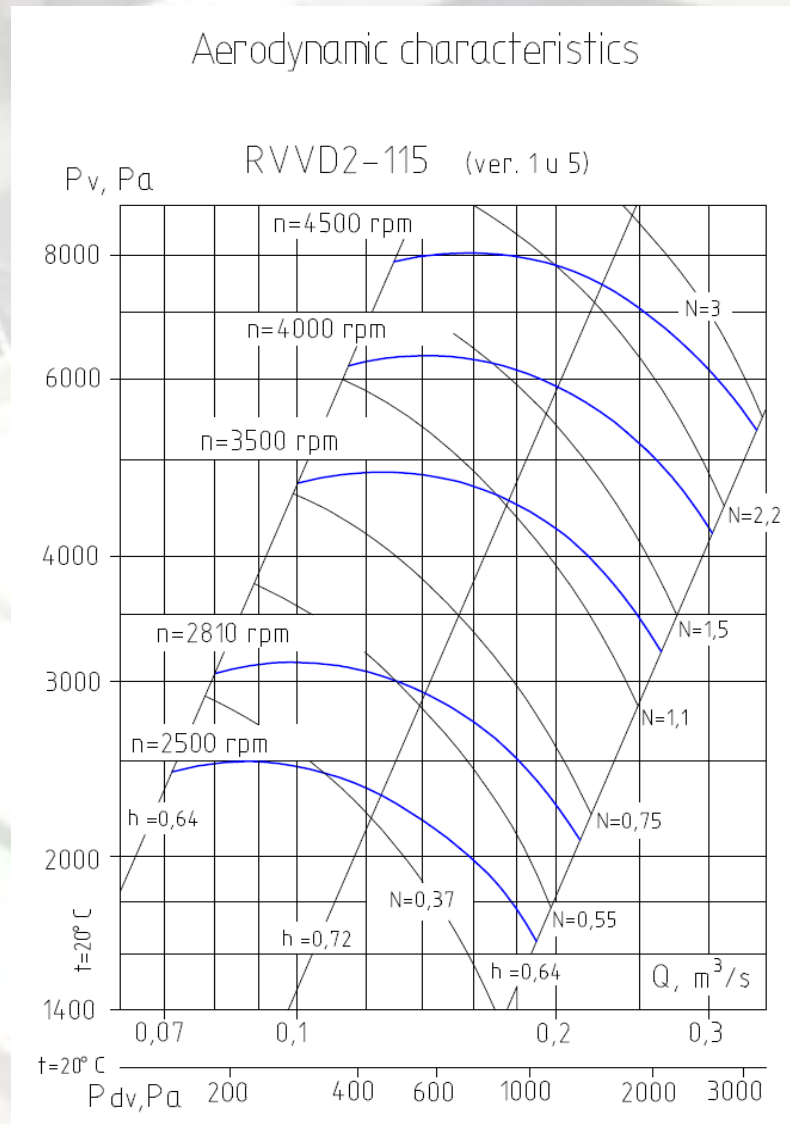


Positions of fan body (from the suction side)



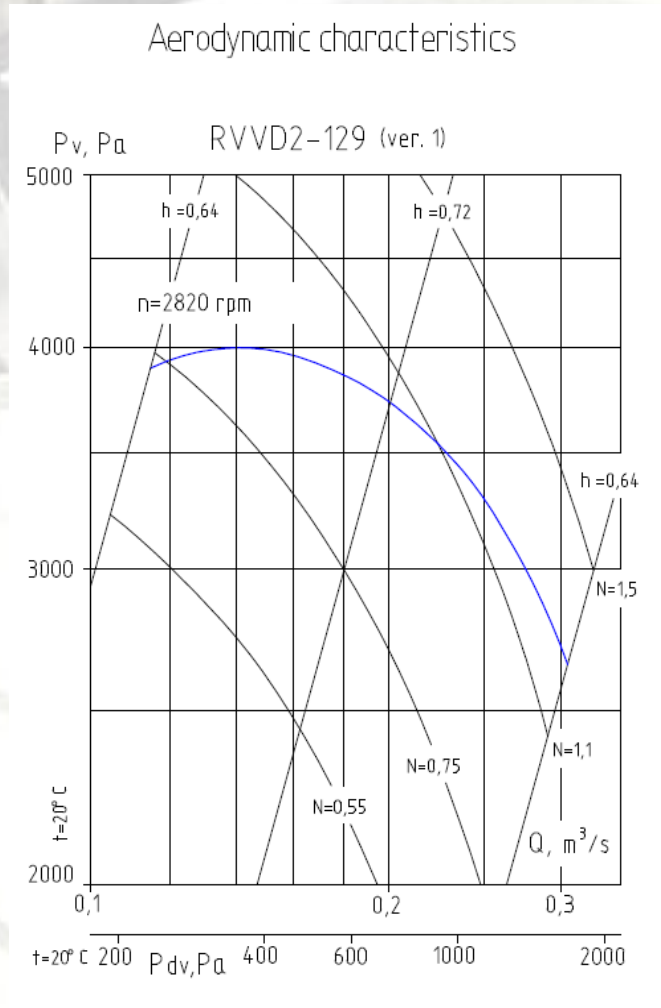
Fan's №	kW, power	B max	H	L	b	h	l	D	D1	d	n3	a1	A1	n1	a2	A2	n2	n4	C1	C2	C3	C4
205	7,5	990	645	530	240	400	140	205	240	7	8	130	170	1 holes	170	210	2	8	360 × 2	415	140	60
255	18,5	1215	840	640	300	540	155	255	290	7	8	160	200	1	210	250	2	10	450 × 2	470	176	103
320	37	1475	1015	690	379	640	175	320	355	7	8	200	240	1	260	300	3	12	550 × 2	470	216	124
405	55	1890	1245	940	480	770	220	405	440	10	8	250	300	2	330	380	3	14	725 × 2	725	306	153
	75-90	1990																	775 × 2			
505	55	2170	1525	1080	600	935	310	505	540	10	16	310	360	2	405	455	4	16	800 × 2	790	336	182
	75-90	2270																	850 × 2			
635	55	2500	1860	1260	750	1130	368	635	670	10	16	390	440	3	510	560	5	20	920 × 2	935	451	219
	75-90	2650																	1000 × 2			
	110-132	2830																	1960			

High Pressure Radial Fans 2 (RVVD-2)



RVVD2-115 basic characteristics

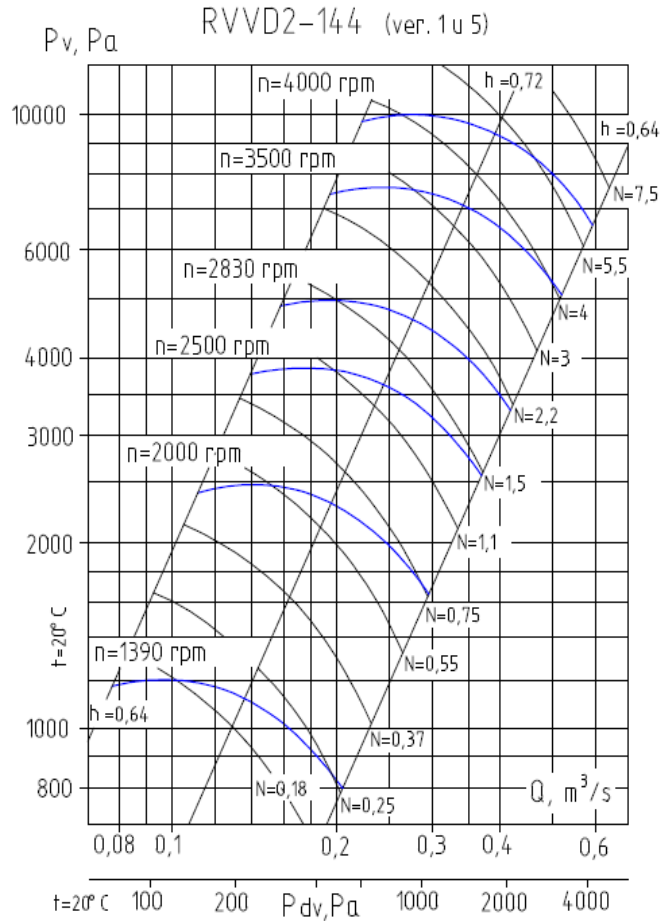
Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Total pressure, Pa	Weight* kg
RVVD2-115 (version 1)	71A2	0,75	2810	0,08-0,21	3000-2080	45
RVVD2-115 (version 5)	63B2-90L2	0,55-3	2500-4500	0,07-0,33	2400-5300	55 Without electromotor



RVVD2-129 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD2-129 (version1)	80A2	1,5	2820	0,11-0,30	3800-2600	55

Aerodynamic characteristics

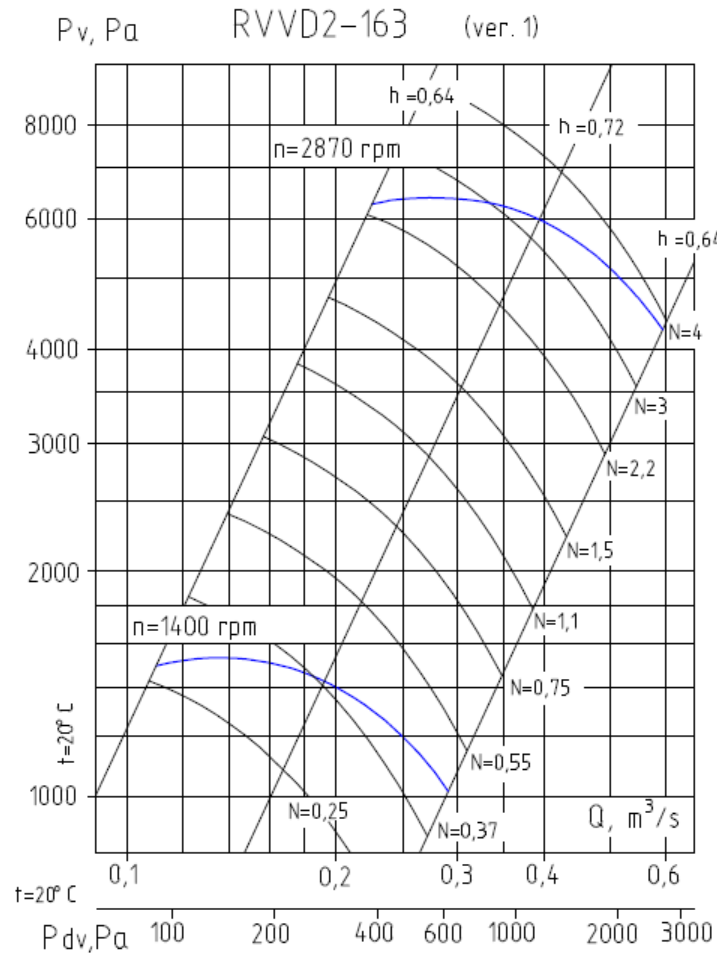


RVVD2-144 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Total pressure, Pa	Weight* kg
RVVD2-144 (version 1)	63A4 80B2	0,25	1390	0,08-0,20	1150-800	50
		2,2	2830	0,16-0,40	4500-3300	65
RVVD2-144 (version 5)	63A4-112M2	0,25-7,5	1500-4000	0,08-0,60	1150-6500	95 Without electromotor



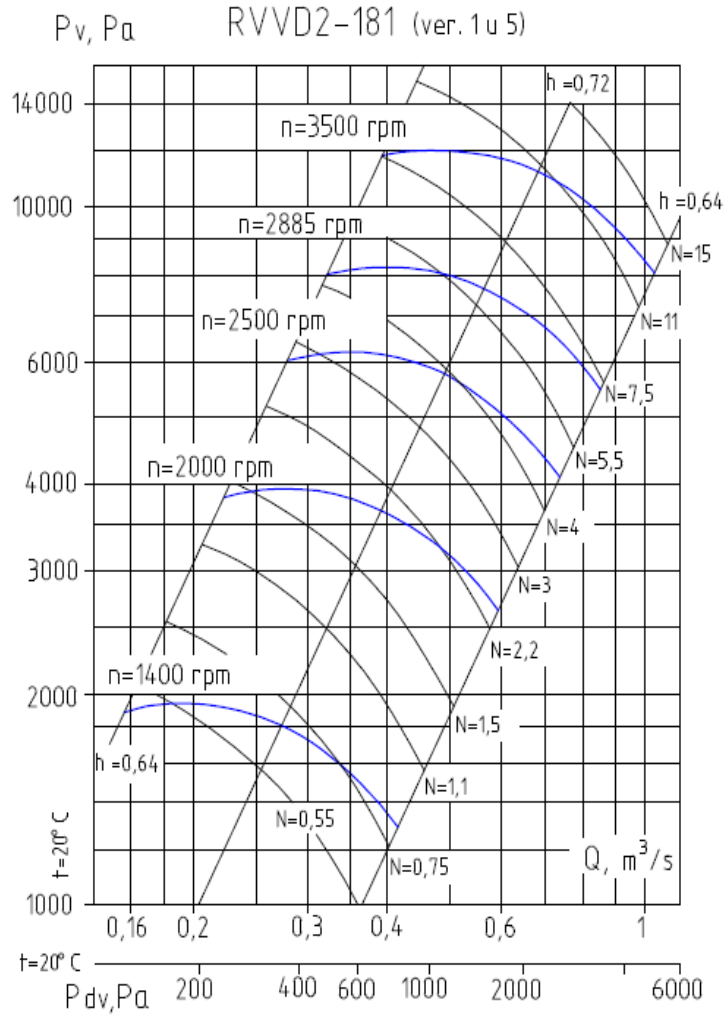
Aerodynamic characteristics



RVVD2-163 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD2-163 (version 1)	80A4 100S2	1,1 4	1400 2870	0,11-0,30 0,22-0,60	1500-1000 6200-4200	75 90

Aerodynamic characteristics

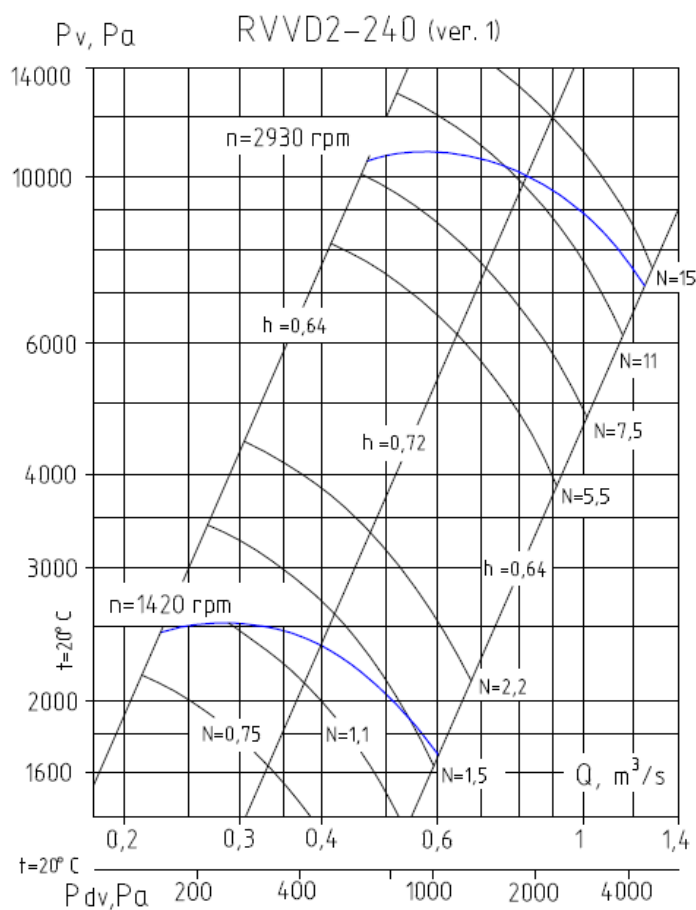


RVVD2-181 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD2-181 (version 1)	80A4	1,1	1400	0,15-0,40	1900-1270	95
	112M2	7,5	2885	0,32-0,85	7900-5400	130
RVVD2-181 (version 5)	80A4-160S2	1,1-15	1500-3500	0,15-1,0	1900-8000	150 Without electromotor



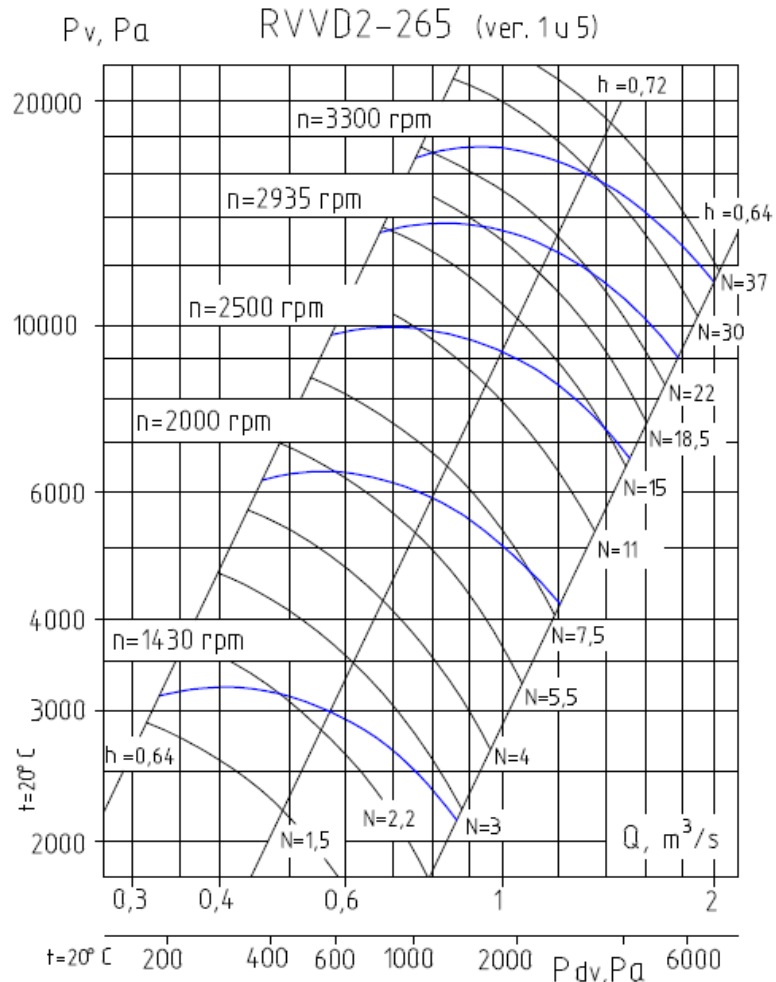
Aerodynamic characteristics



Основные технические характеристики RVVD2-240

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD2-240 (version 1)	90L4 160S2	2,2 15	1420 2930	0,23-0,60 0,47-1,20	2500-1660 10400-7100	140 245

Aerodynamic characteristics

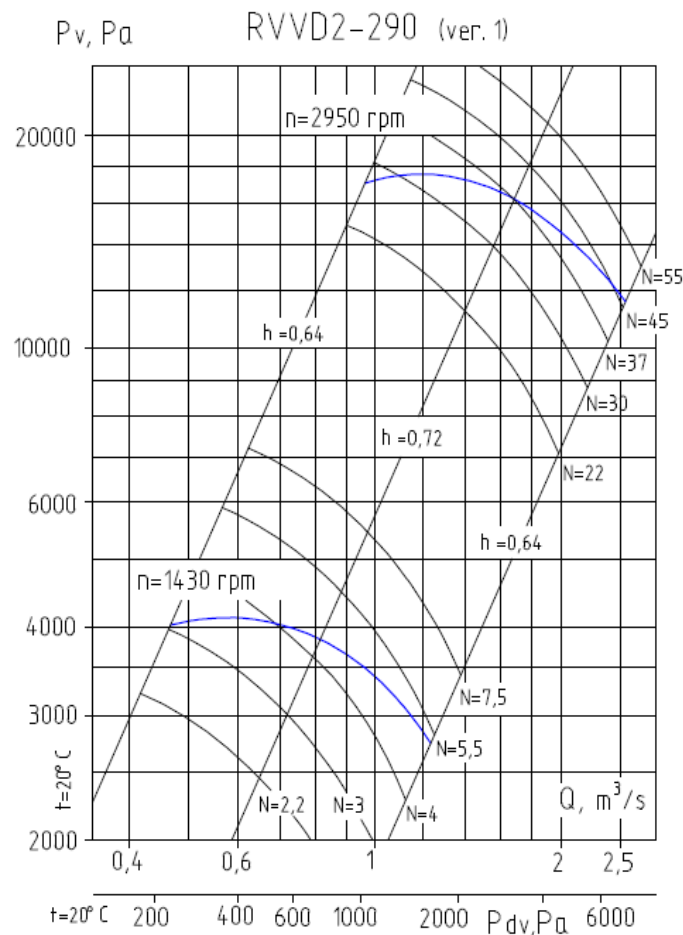


RVVD2-265 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD2-265 (version 1)	100S4 180M2	3,0 30	1430 2935	0,33-0,85 0,68-1,80	3100-2150 13000-9080	170 330
RVVD2-265 (version 5)	100S4- 200M2	3-37	1500-3300	0,33-2,0	3100-11500	290 Without electromotor



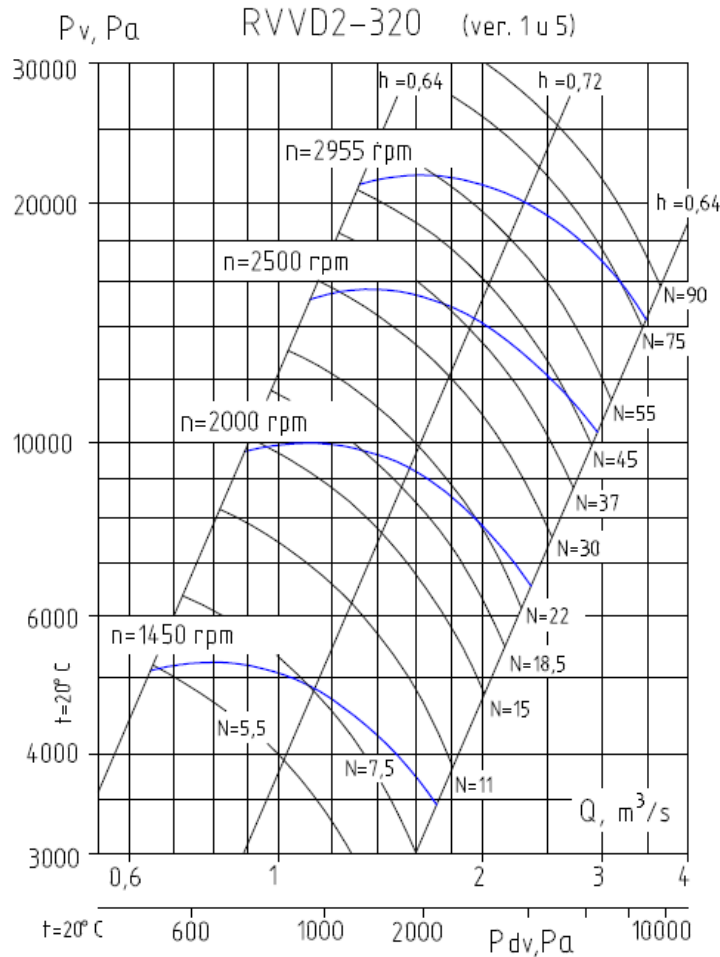
Aerodynamic characteristics



RVVD2-290 basic characteristics

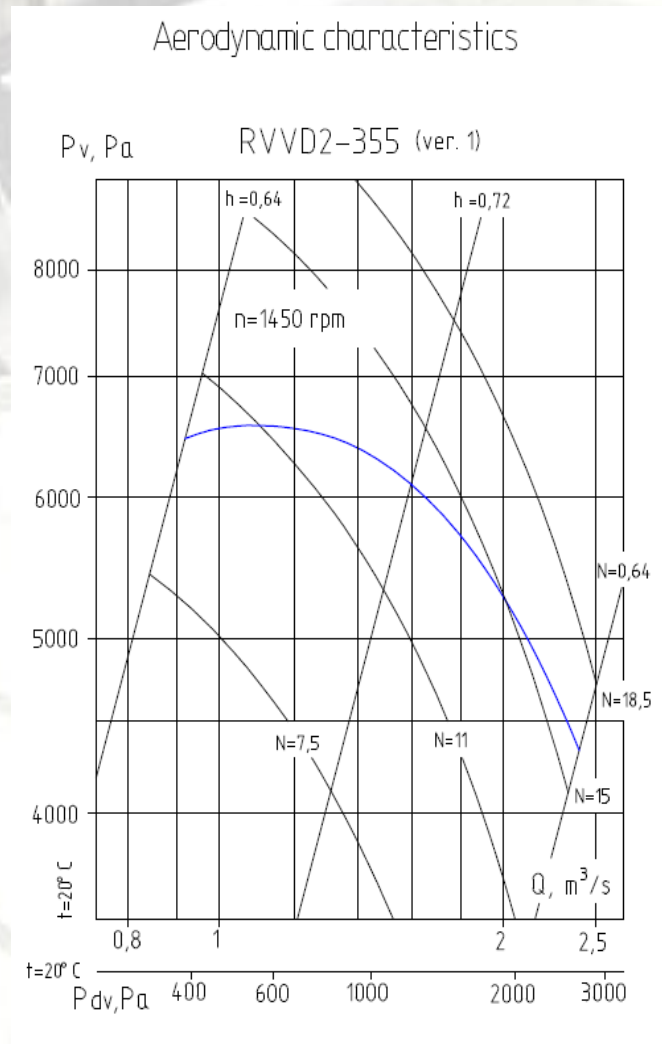
Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD2-290 (version 1)	100S4	5,5	1430	0,47-1,23	4000-2700	215
	200L2	45	2950	0,94-2,50	17000-11600	485

Aerodynamic characteristics



RVVD2-320 basic characteristics

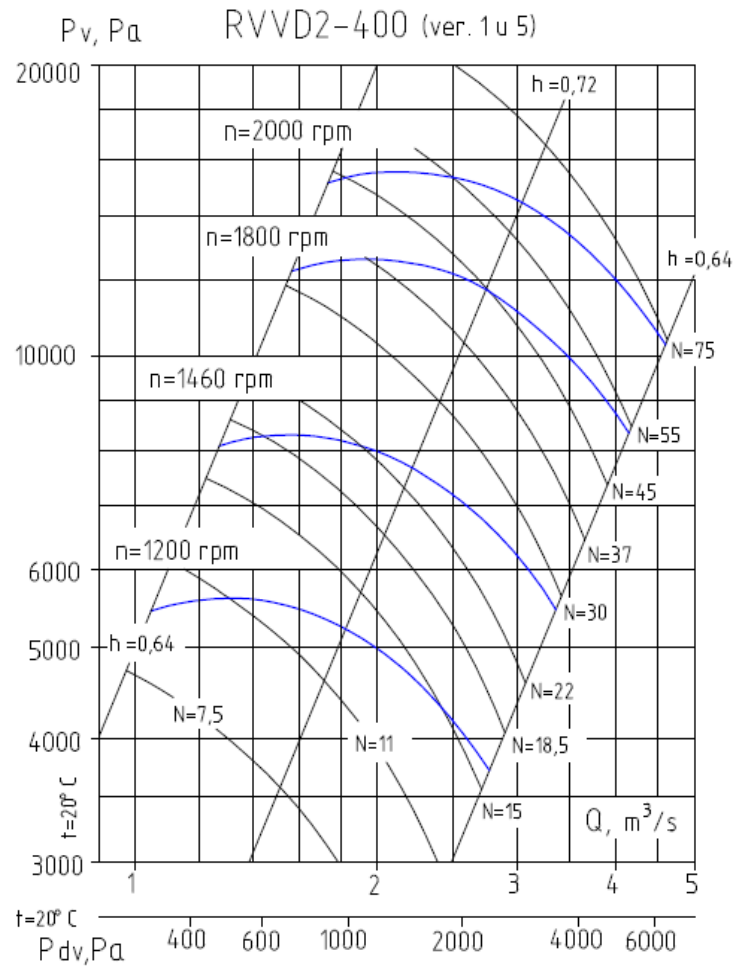
Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD2-320 (version 1)	132M4 250M2	11 90	1450 2955	0,65-1,7 1,3-3,5	5000-3460 20000-14300	335 770
RVVD2-320 (version 5)	132S4- 250M2	7,5-90	1500-3000	0,65-3,5	5000-14300	400 Without electromotor



RVVD2-355 basic characteristics

Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m3/s	Total pressure, Pa	Weight* kg
RVVD2-355 (version 1)	160M4	18,5	1450	0,9-2,4	6300-4300	445

Aerodynamic characteristics

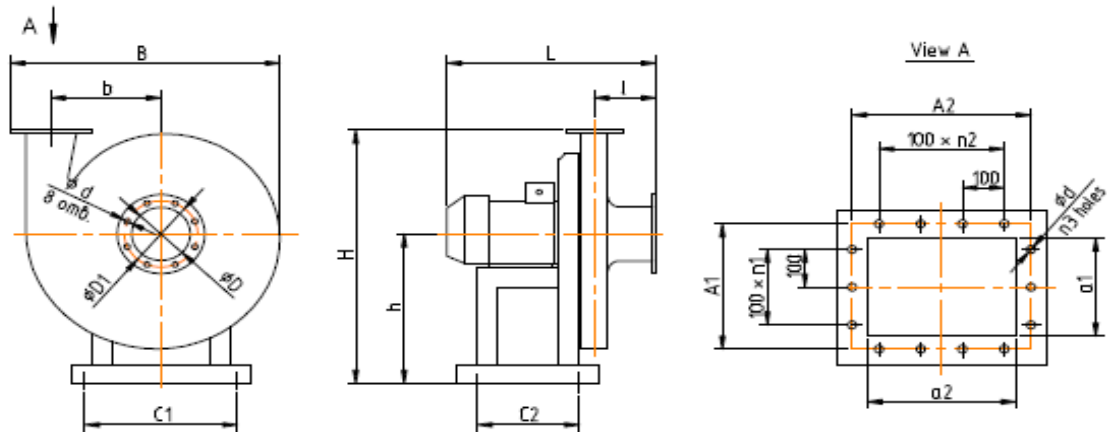


RVVD2-400 basic characteristics

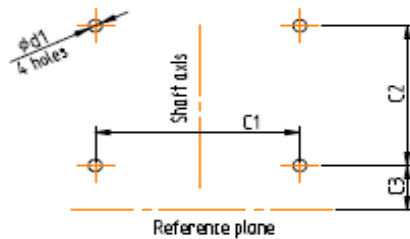
Fan designation	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Total pressure, Pa	Weight* kg
RVVD2-400 (version 1)	180M4	30	1450	1,3-3,4	8000-5500	575
RVVD2-400 (version 5)	160S4-250M4	15-90	1500-2000	1,0-4,6	5400-10300	600 Without electromotor



RVVD2-115 ... 400 (version 1) Overall and mounting dimensions

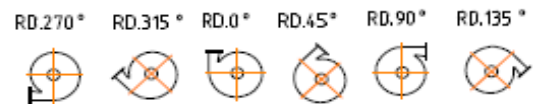


Sketch showing holes for fixing bolts



Positions of fan body (from the suction side)

Right-hand rotation

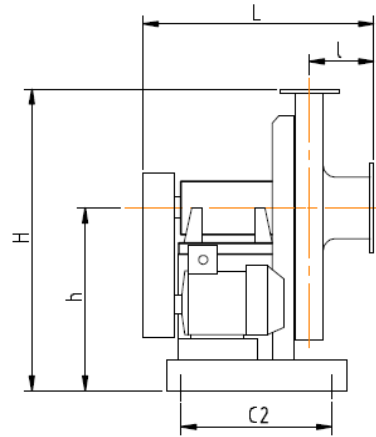
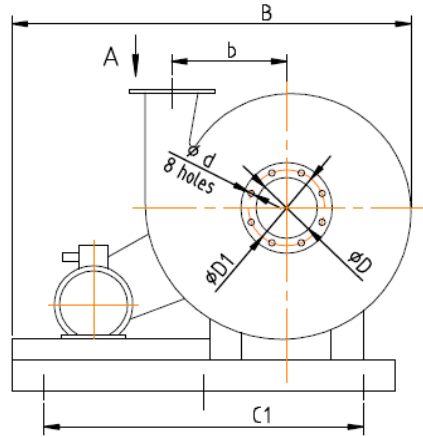


Left-hand rotation

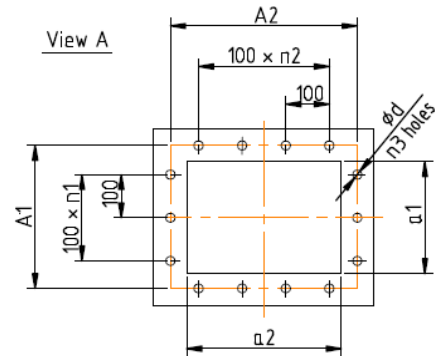
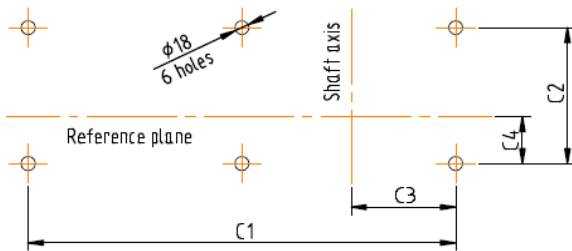


Fan's №	Standard size of electromotor	B	H	L _{max}	b	h	l	D	D1	d	a1	A1	n1	a2	A2	n2	n3	C1	C2	C3	d1
115	63B-80B	540	565	460	216	335	127	115	150	7	55	95	1 holes	105	145	1	6	300	240	20	12
129	71B-80B	600	625	460	243	370	133	129	160	7	62	100	1 holes	115	155	1	6	350	240	23	12
144	63A-100S	665	685	530	270	405	151	144	180	7	70	110	1 holes	130	170	1	6	400	250	37	15
163	80A-100L		765	575	302	450	165	163	200	7	75	115	1 holes	140	180	1	6	460	300	40	15
181	80A-80B			520															300		
	100L-132M	820	840	720	340	490	175	181	215	7	85	125	1 holes	160	200	2	8	480		45	15
	160S			860															350		
240	90L-132M			750															440		
	160S-160M	935	960	920	384	565	200	204	240	7	94	150	1 holes	176	230	2	8	560		50	18
	100S-112M			710															410		25
265	160M-180M	1045	1060	935	432	615	208	229	265	7	105	155	1 holes	198	250	2	8	600		56	18
	200L			1030															500		
	112M-132M			790															560		
290	200M-225M	1190	1205	1095	487	705	234	256	290	10	120	170	1 holes	220	270	2	8	680	380	64	20
	132S-160S			960															740	600	
320	225M-250M	1300	1340	1255	540	785	264	290	320	10	130	180	1 holes	250	300	3	10	780		69	20
	160S-180M			960															420		
355	160S-180M	1445	1465		605	850	284	318	355	10	145	195	1	275	325	2	10	830	500	76	20
400	180S-200M	1610	1660	1150	675	975	329	364	400	10	160	210	1	310	360	3	12	870	560	84	20

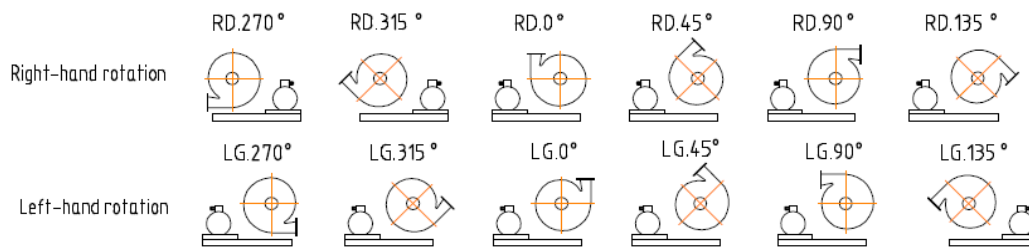
RVVD2-115 ... 400 (version 5) Overall and mounting dimensions



Sketch showing holes for fixing bolts



Positions of fan body (from the suction side)



Fan's N	kW _{power}	B _{max}	H	L	b	h	l	D	D1	d	a1	A1	n1	a2	A2	n2	n3	C1	C2	C3	C4
115	4	915	560	440	216	335	127	115	150	7	55	95	1 holes	105	145	1	6	350 × 2	340	140	50
144	7,5	1015	715	550	270	435	151	144	180	7	70	110	1 holes	130	170	1	6	375 × 2	460	180	113
181	15	1340	900	630	340	550	175	181	215	7	85	125	1 holes	160	200	2	8	525 × 2	450	216	100
265	45	1265	1105	900	432	660	208	229	265	7	105	155	1 holes	198	250	2	8	650 × 2	520	306	- 30
320	55	1970	1360	980	540	810	264	290	320	10	130	180	1 holes	250	300	3	10	775 × 2	710	346	171
	75-90	2070																825 × 2			
400	55	2240	1690	1120	675	1000	329	364	400	10	160	210	1 holes	310	360	3	12	850 × 2	800	391	181
	75-90	2340																950 × 2			



Roof Radial Fan UAKRV

Terms of Use

material	carbon steel	stainless steel	Polymeric
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versions of KRV	common industrial	corrosion resistant	acid resistant
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max t of moved medium	80°C		
the presence of particulate matter	not more than 0.1 g / m ³		

Extra Terms of Use for explosion-proof version	
The categories of explosive mixture	IIA, IIV
The groups of explosive mixture	T1 – T4
The classes of explosive areas	V Ia, V Ib, V Ig, V IIa

Polyethylene roof fans are used to move the specific mediums depending on their explosiveness and corrosion, chemical, thermal or dust effect on the materials of fan's flowing part.

Body of roof fans can be made from:

- Polyethylene HDPE
- Reinforced chemical-resistant polymer

Roof fans working wheel can be made from:

- Reinforced chemical-resistant polymer
- Steel rubberized PVC

We manufacture Roof Radial fans UAKRV №№ 3,55 – 14 with next basic characteristics:

Productivity varies from 900 m³/h to 111 600 m³/h.

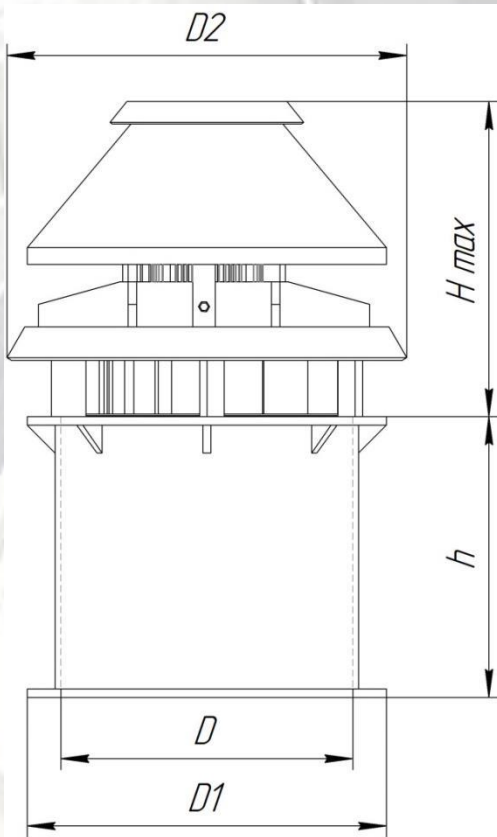
Full pressure varies from 100 to 1815 Pa.

Operating temperature varies from -50 to +80 degrees



We can manufacture a special roof fan design with isolated from passing gases motor and separated fan motor cooling system

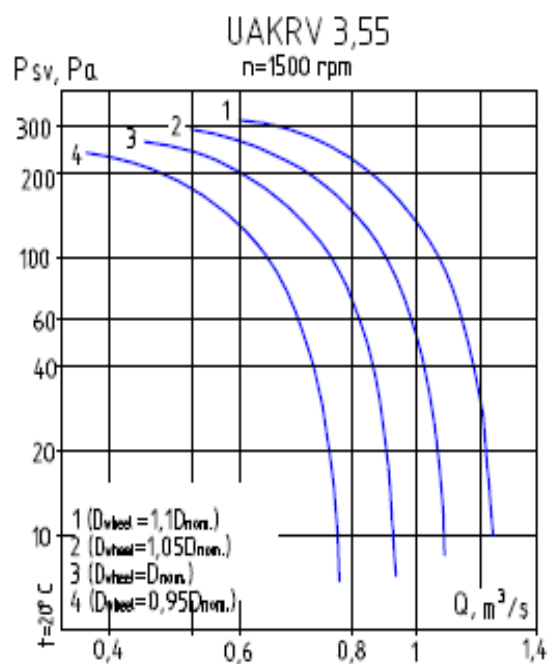
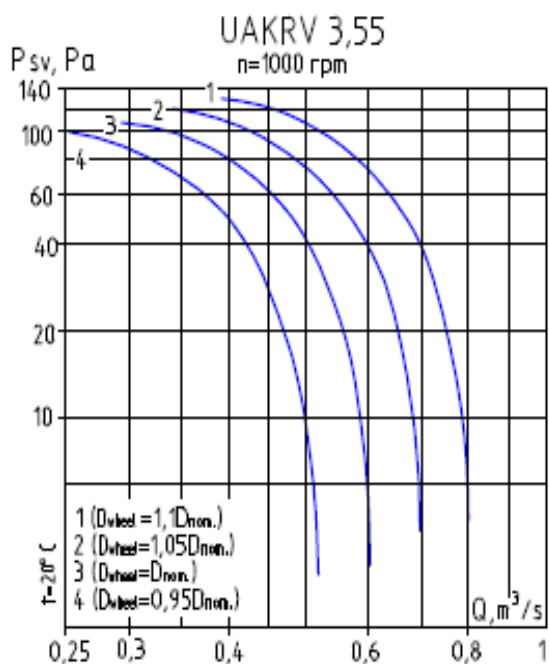
UAKRV №№ 3,55-14
Overall dimensions



UAKRV	D	D1	D2	H max	h
3.55	405	521	770	790	500
4	405	521	770	870	500
4.5	505	621	1000	970	500
5	505	621	1000	780	500
5,6	635	751	1170	875	500
6,3	635	755	1170	985	500
7,1	810	930	1200	945	500
8	1010	1130	1200	1185	500
9	1010	1130	1460	1275	500
10	1260	1380	1460	1275	500
11,2	1260	1390	1750	1340	500
12,5	1260	1390	1750	1340	500
14	1260	1390	1960	1470	500



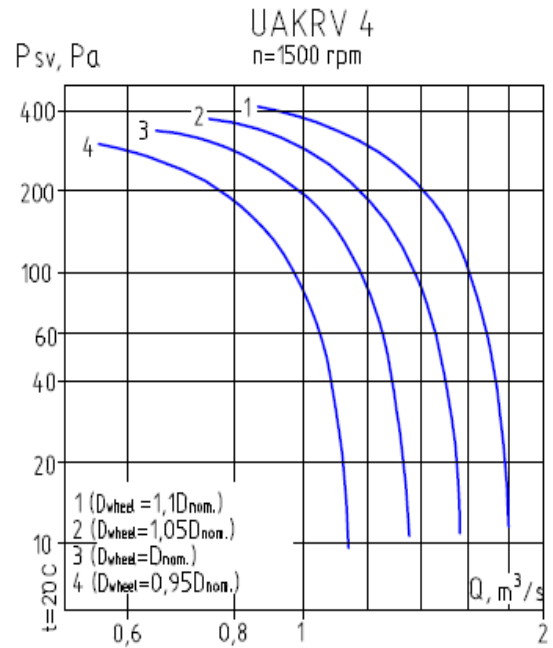
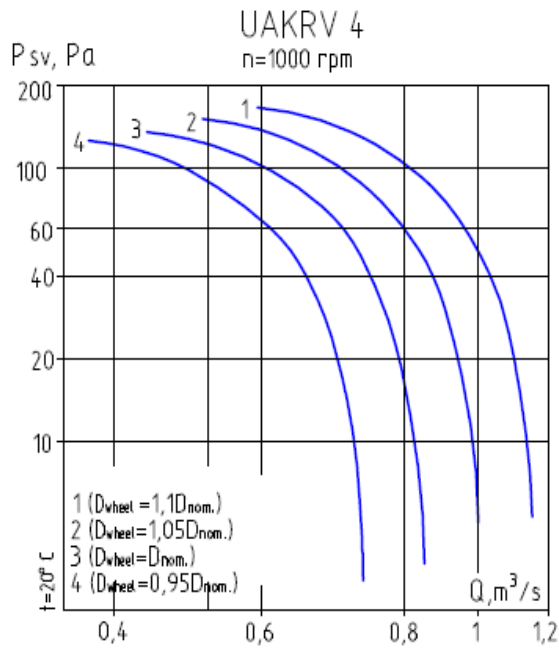
Aerodynamic characteristics



UAKRV 3,55 basic characteristics

Fan designation	D _{wheel}	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Static pressure Pa	Weight kg
UAKRV 3,55 (ver. 1)	0,95	63A6**	0,18	890	0,25-0,52	100-0	43
	1	63A6**	0,18	890	0,29-0,61	110-0	43
	1,05	63A6**	0,18	890	0,34-0,7	120-0	43
	1,1	63A6**	0,18	890	0,39-0,8	130-0	43
	0,95	63A4	0,25	1380	0,39-0,8	240-0	43
	1	63A4	0,25	1380	0,46-0,94	265-0	43
	1,05	63B4	0,37	1380	0,53-1,1	290-0	43
	1,1	71A4	0,55	1390	0,61-1,3	325-0	52

Aerodynamic characteristics

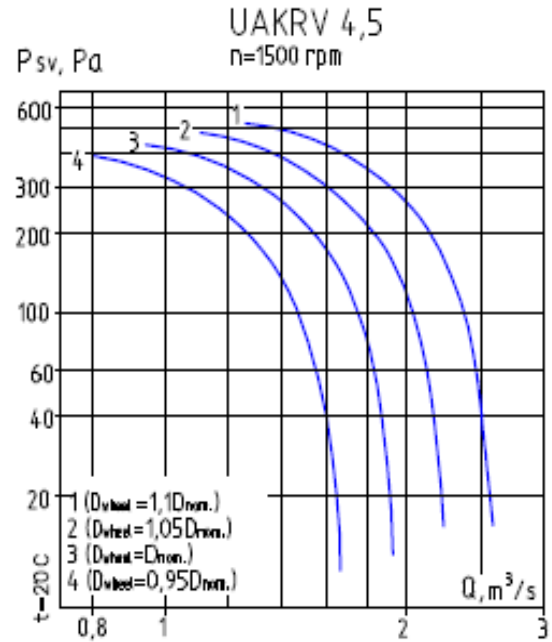
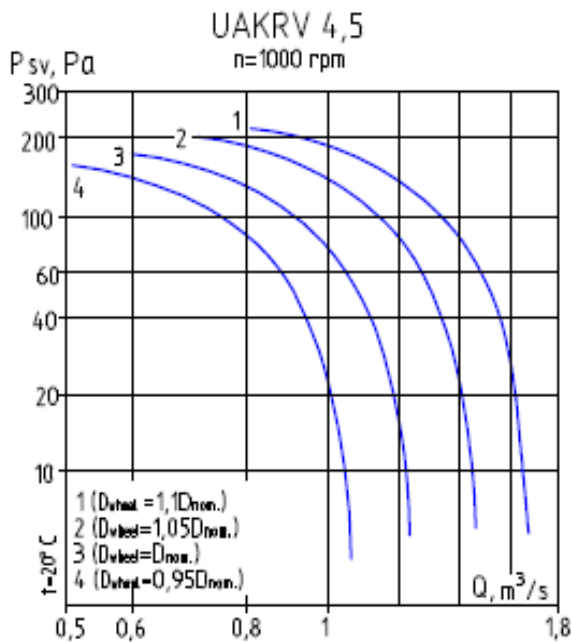


UAKRV 4 basic characteristics

Fan designation	D_{wheel}	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Static pressure Pa	Macca, кг
UAKRV 4 (ver. 1)	0,95	63A6**	0,18	890	0,36-0,74	125-0	46
	1	63A6**	0,18	890	0,42-0,87	140-0	46
	1,05	63A6**	0,18	890	0,49-1,0	155-0	46
	1,1	63B6**	0,25	890	0,56-1,2	170-0	46
	0,95	63B4	0,37	1370	0,56-1,14	300-0	46
	1	71A4	0,55	1390	0,65-1,35	340-0	55
	1,05	71B4	0,75	1390	0,76-1,57	375-0	55
	1,1	71B4	0,75	1390	0,88-1,8	410-0	55



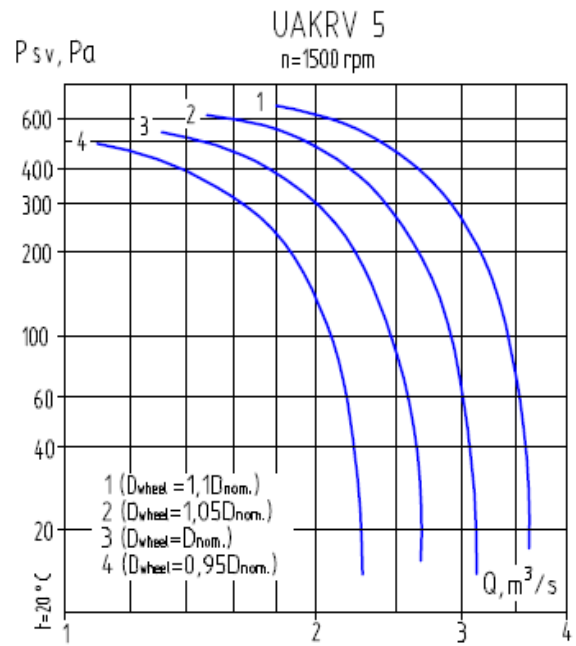
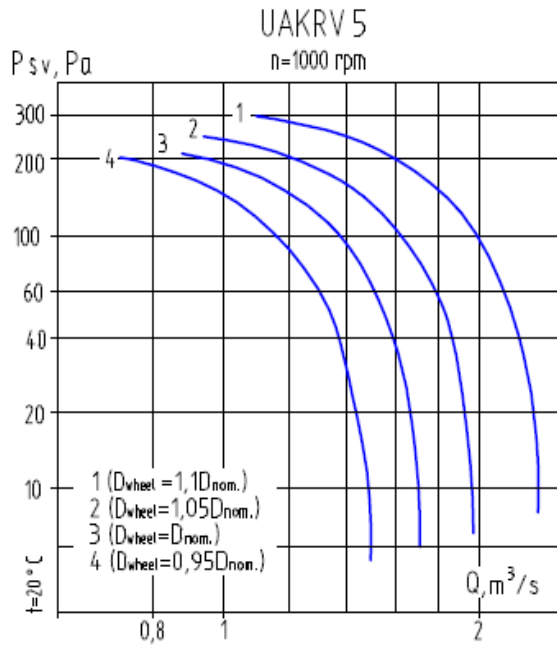
Aerodynamic characteristics



UAKRV 4,5 basic characteristics

Fan designation	D _{wheel}	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Static pressure Pa	Weight kg
UAKRV 4,5 (ver. 1)	0,95	63A6**	0,18	890	0,52-1,1	160-0	52
	1	63B6**	0,25	890	0,6-1,25	175-0	52
	1,05	71A6	0,37	910	0,71-1,47	205-0	60
	1,1	71A6	0,37	910	0,82-1,7	225-0	60
	0,95	71B4	0,75	1390	0,81-1,7	390-0	60
	1	80A4	1,1	1400	0,95-1,95	435-0	65
	1,05	80B4	1,5	1405	1,1-2,26	485-0	65
	1,1	80B4	1,5	1405	1,26-2,6	530-0	65

Aerodynamic characteristics

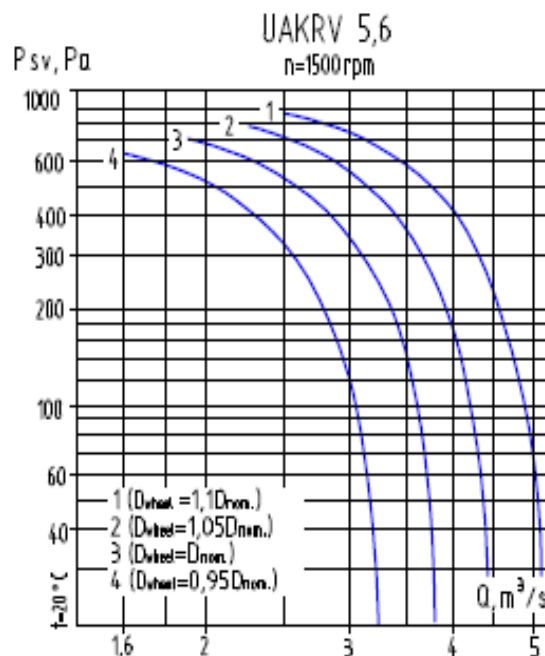
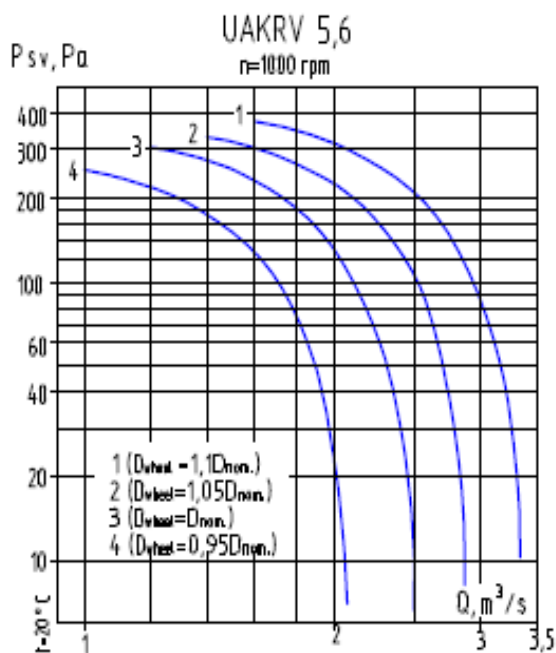


UAKRV 5 basic characteristics

Fan designation	D _{wheel}	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Static pressure Pa	Weight kg
UAKRV 5 (ver. 1)	0,95	71A6	0,37	910	0,71-1,5	200-0	75
	1	71B6	0,55	900	0,85-1,7	225-0	75
	1,05	71B6	0,55	900	0,96-2,0	245-0	75
	1,1	80A6	0,75	930	1,15-2,5	290-0	80
	0,95	80A4	1,1	1400	1,1-2,4	485-0	80
	1	80B4	1,5	1405	1,3-2,7	545-0	80
	1,05	90L4	2,2	1420	1,5-3,2	610-0	90
	1,1	100S4	3	1430	1,8-3,7	680-0	95



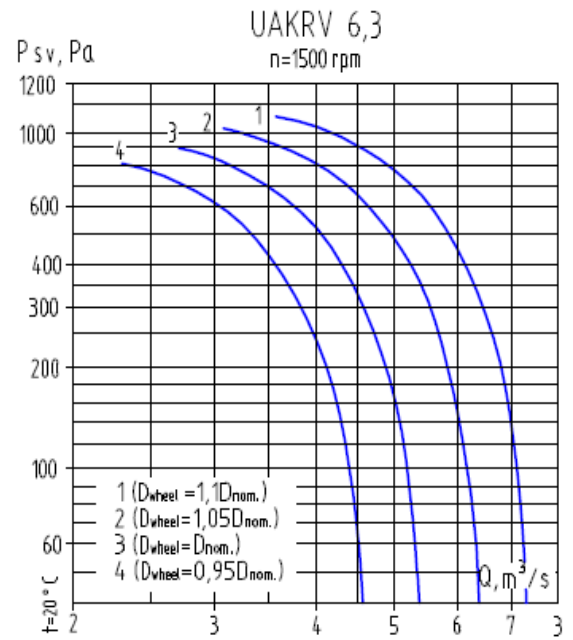
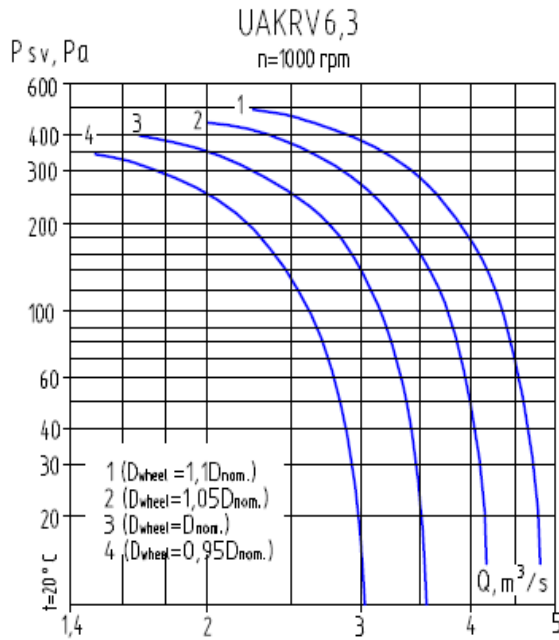
Aerodynamic characteristics



UAKRV 5,6 basic characteristics

Fan designation	D _{wheel}	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Static pressure Pa	Weight kg
UAKRV 5,6 (ver. 1)	0,95	71B6	0,55	900	1,0-2,2	250-0	80
	1	80A6	0,75	930	1,2-2,5	300-0	85
	1,05	80B6	1,1	930	1,4-2,9	330-0	85
	1,1	90L6	1,5	940	1,6-3,4	370-0	95
	0,95	90L4	2,2	1420	1,6-3,3	630-0	95
	1	100S4	3,0	1430	1,9-3,8	705-0	100
	1,05	100L4	4	1430	2,2-4,4	780-0	110
	1,1	112M4	5,5	1430	2,5-5,2	855-0	120

Aerodynamic characteristics

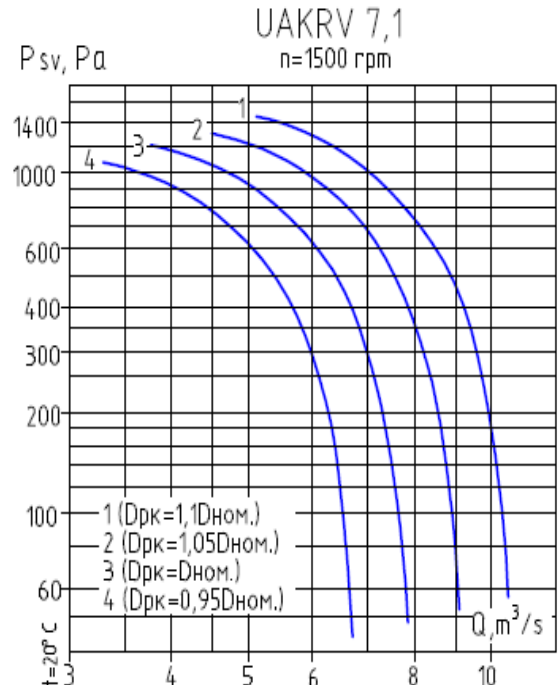
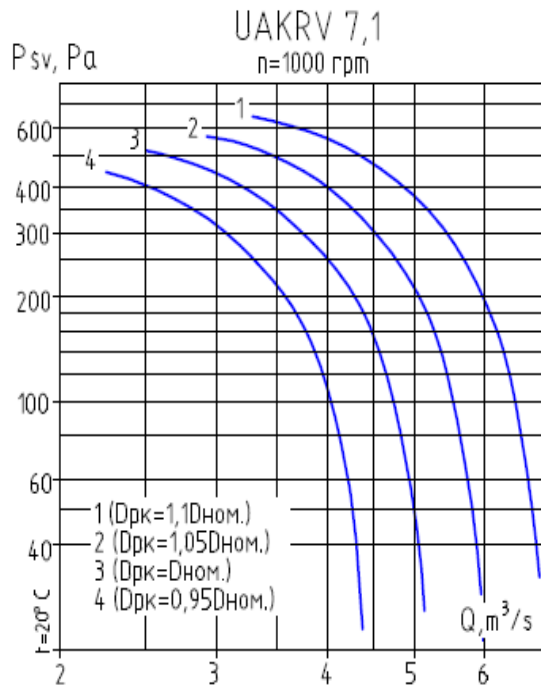


UAKRV 6,3 basic characteristics

Fan designation	D _{wheel}	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Static pressure Pa	Weight kg
UAKRV 6,3 (ver. 1)	0,95	80B6	1,1	930	1,5-3,0	340-0	110
	1	90L6	1,5	940	1,7-3,6	385-0	120
	1,05	100L6	2,2	950	2,0-4,3	435-0	135
	1,1	112MA6	3	950	2,3-4,8	475-0	145
	0,95	100L4	4	1430	2,3-4,5	805-0	135
	1	112M4	5,5	1430	2,7-5,5	890-0	145
	1,05	132S4	7,5	1450	3,1-6,5	1015-0	165
	1,1	132M4	11	1450	3,6-7,5	1110-0	185



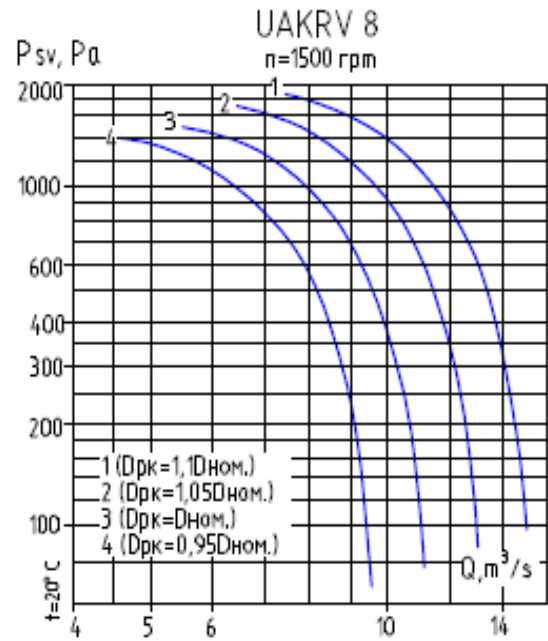
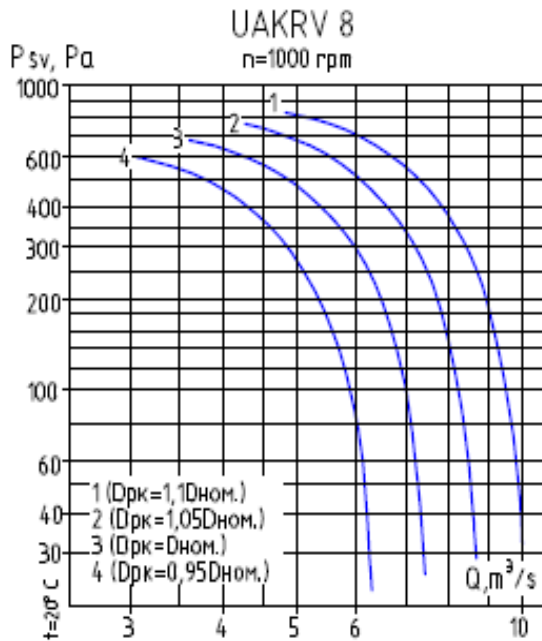
Aerodynamic characteristics



UAKRV 7,1 basic characteristics

Fan designation	Dwheel	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Static pressure Pa	Weight kg
UAKRV 7,1 (ver. 1)	0,95	100L6	2,2	950	2,2-4,5	450-0	140
	1	112MA6	3,0	950	2,5-5,2	500-0	160
	1,05	112MB6	4	950	2,9-6,0	550-0	160
	1,1	132S6	5,5	960	3,4-7,0	620-0	180
	0,95	132S4	7,5	1450	3,3-6,8	1055-0	180
	1	132M4	11	1450	3,8-8,0	1165-0	195
	1,05	160S4	15	1450	4,5-9,2	1290-0	235
	1,1	160S4	15	1450	5,1-10,5	1410-0	235

Aerodynamic characteristics

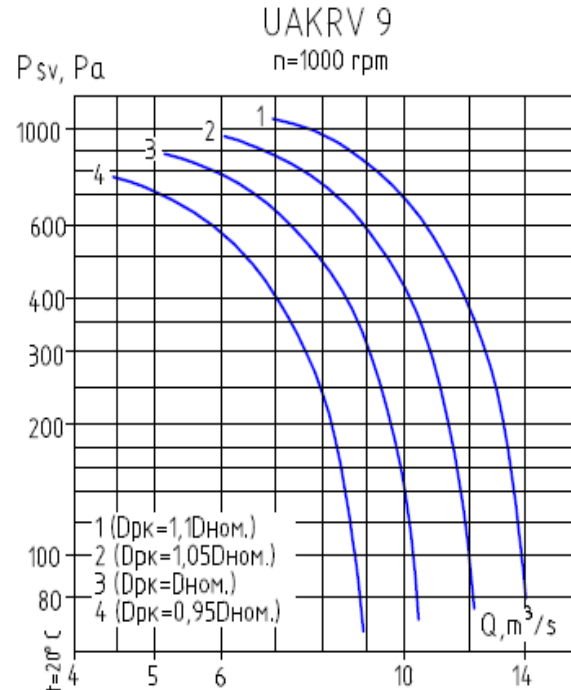
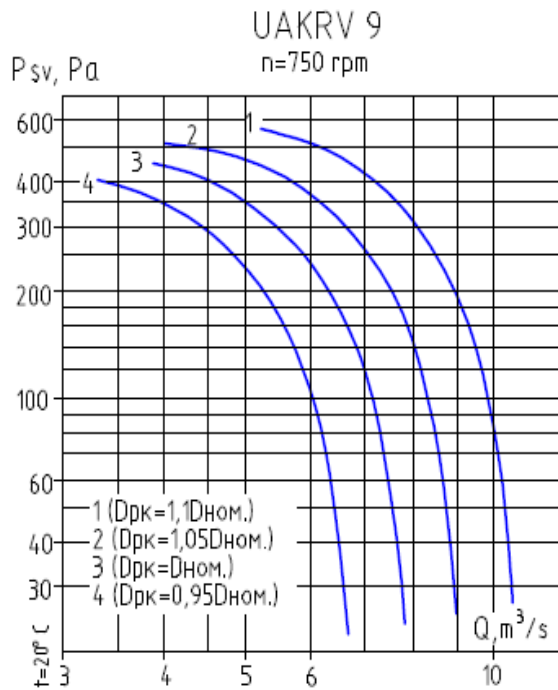


UAKRV 8 basic characteristics

Fan designation	D _{wheel}	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m ³ /s	Static pressure Pa	Weight kg
UAKRV 8 (ver. 1)	0,95	112MB6	4	950	3,1-6,4	575-0	220
	1	132S6	5,5	960	3,6-7,5	650-0	240
	1,05	132M6	7,5	970	4,3-8,8	730-0	260
	1,1	160S6	11	970	4,9-10,1	800-0	300
	0,95	160S4	15	1450	4,7-9,7	1335-0	300
	1	160M4	18,5	1450	5,5-11,3	1480-0	325
	1,05	180S4	22	1460	6,4-13,2	1655-0	340
	1,1	180M4	30	1460	7,4-15,1	1815-0	360



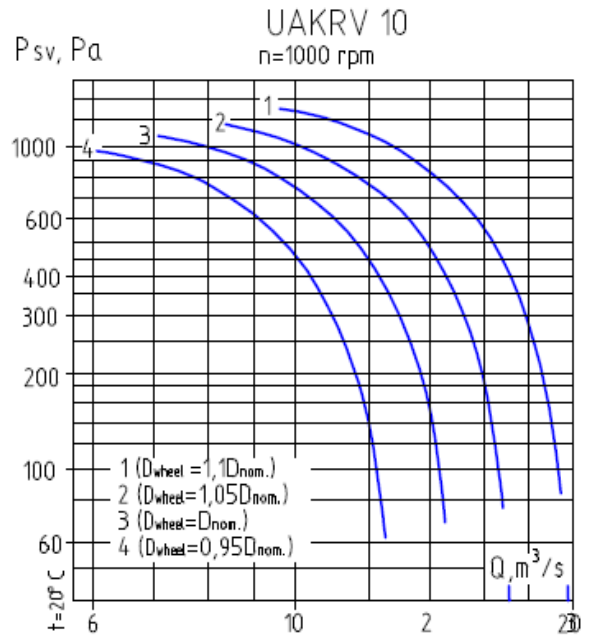
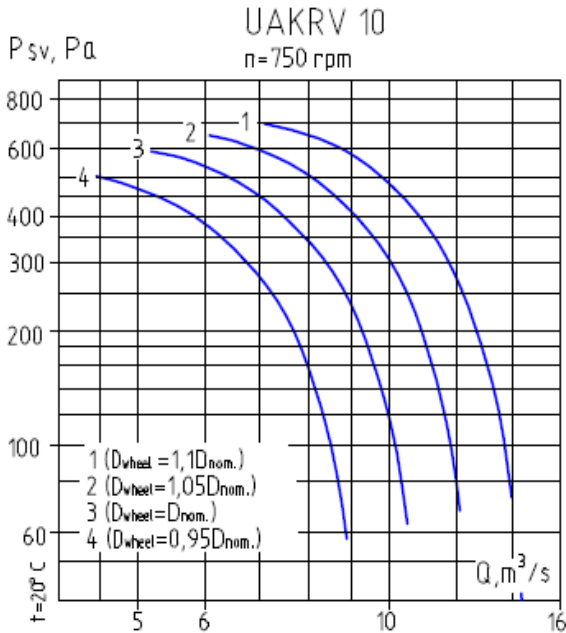
Aerodynamic characteristics



UAKRV 9 basic characteristics

Fan designation	Dwheel	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Static pressure Pa	Weight kg
UAKRV 9 (ver. 1)	0,95	112MB6	3	710	3,3-6,8	405-0	250
	1	132S8	4	710	3,8-7,9	450-0	270
	1,05	132M8	5,5	710	4,4-9,2	495-0	290
	1,1	160S8	7,5	720	5,1-10,5	560-0	330
	0,95	132M6	7,5	970	4,5-9,2	755-0	290
	1	160S6	11	970	5,2-10,8	840-0	330
	1,05	160M6	15	975	6,1-12,5	935-0	355
	1,1	160M6	15	975	7,0-14,4	1025-0	355

Aerodynamic characteristics

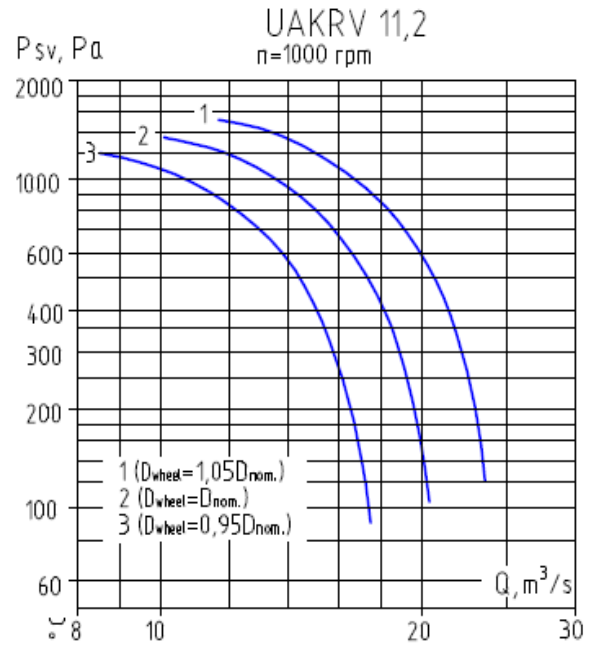
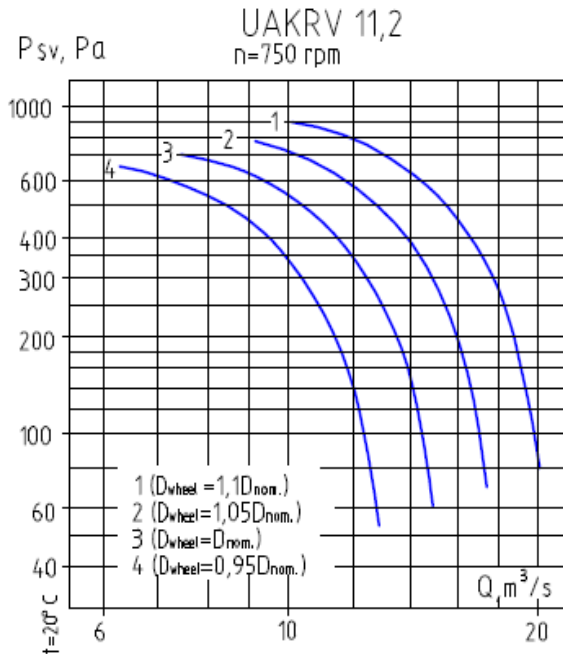


UAKRV 10 basic characteristics

Fan designation	D_{wheel}	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Static pressure Pa	Weight kg
UAKRV 10 (ver. 1)	0,95	132M8	5,5	710	4,5-9,3	500-0	355
	1	160S8	7,5	720	5,3-11,0	570-0	395
	1,05	160M8	11	720	6,2-12,7	630-0	420
	1,1	160M8	11	720	7,1-14,6	690-0	420
	0,95	160M6	15	975	6,2-12,7	945-0	420
	1	180M6	18,5	975	7,2-14,8	1050-0	455
	1,05	200M6	22	975	8,4-17,2	1150-0	530
	1,1	200L6	30	980	9,7-19,9	1280-0	570



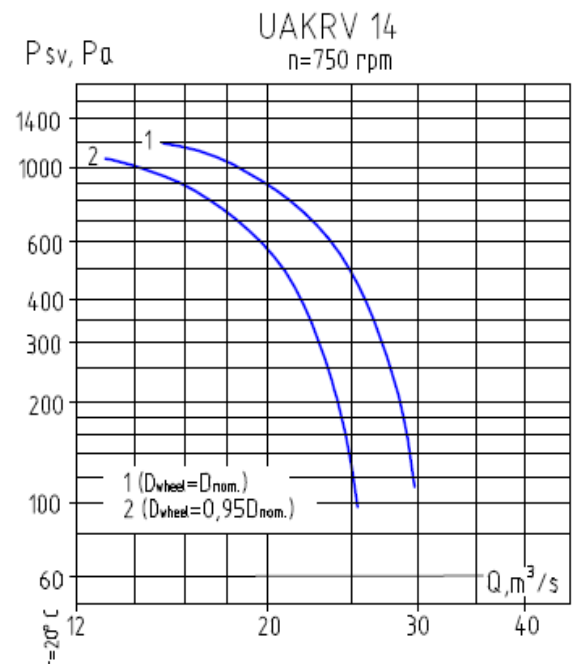
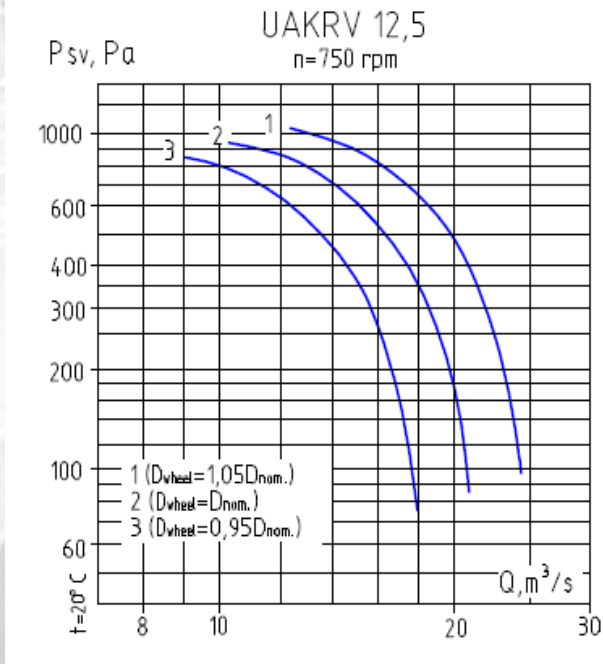
Aerodynamic characteristics



UAKRV 11,2 basic characteristics

Fan designation	D_{wheel}	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Static pressure Pa	Weight kg
UAKRV 11,2 (ver. 1)	0,95	160M8	11	720	6,4-13,2	645-0	455
	1	160M8	11	720	7,5-15,4	715-0	455
	1,05	180M8	15	725	8,7-18,0	800-0	490
	1,1	200M8	18,5	730	10,1-20,8	890-0	565
	0,95	200M6	22	975	8,7-17,9	1185-0	565
	1	200L6	30	980	10,2-21,0	1325-0	605
	1,05	225M6	37	985	11,9-24,4	1475-0	650

Aerodynamic characteristics



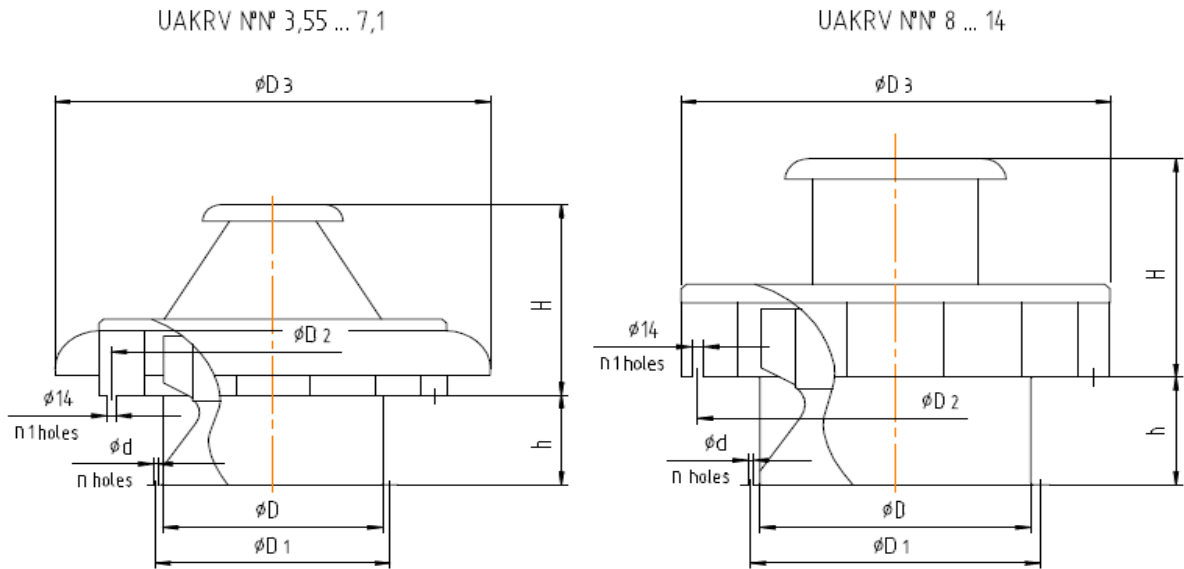
UAKRV 12,5 and UAKRV 14 basic characteristics

Fan designation	D_{wheel}	Standard size of electromotor	Installed power, kW	Rotation frequency RK, rpm	Productivity m^3/s	Static pressure Pa	Weight kg
UAKRV 12,5 (ver. 1)	0,95	200M8	18,5	730	9,1-18,6	830-0	615
	1	200L8	22	730	10,6-22,0	915-0	655
	1,05	225M8	30	735	12,3-25,3	1025-0	700
UAKRV 14 (ver. 1)	0,95	225M8	30	735	12,8-26,3	1050-0	800
	1	250S8	37	735	15,0-31,0	1165-0	930



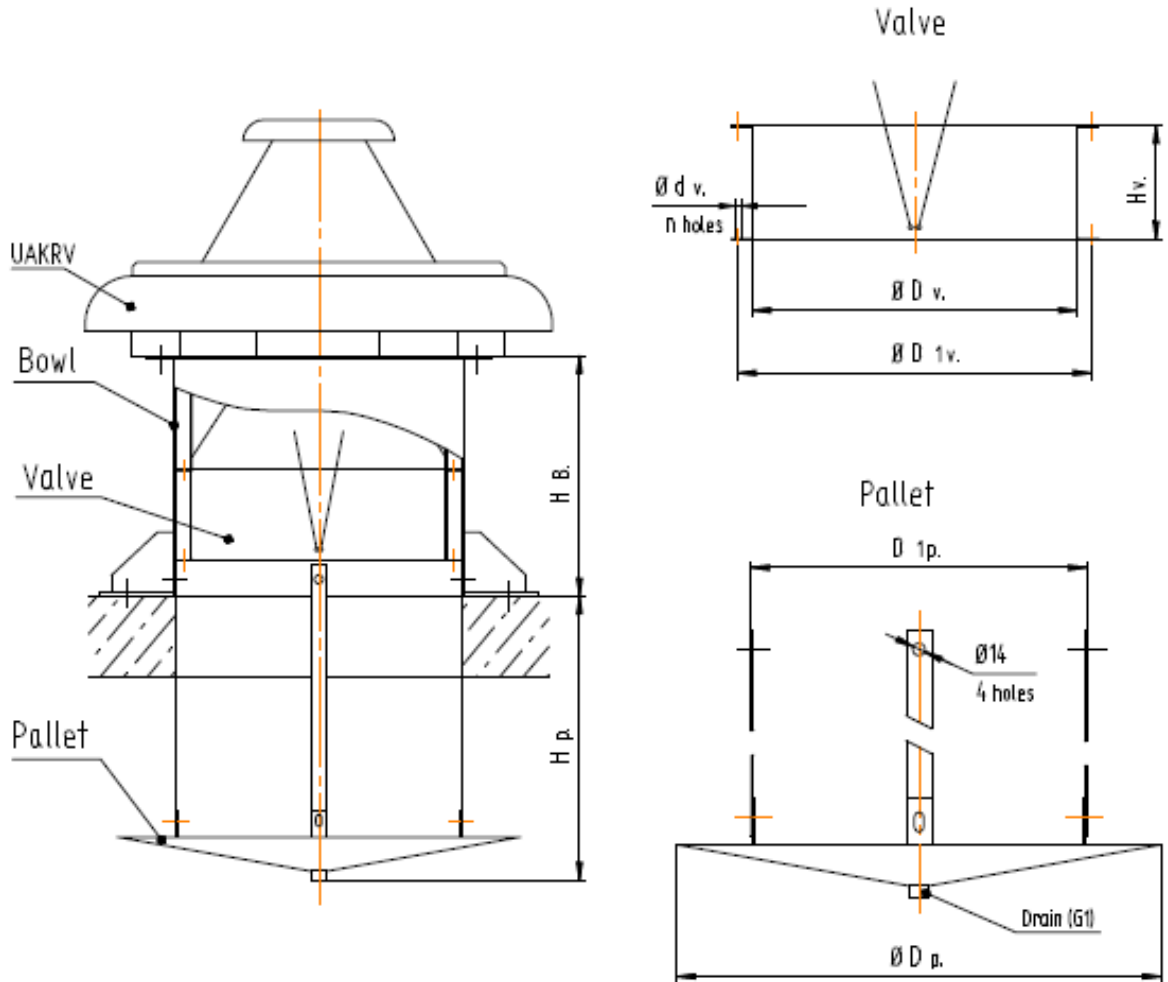
UAKRV №№ 3,55 ... 14 (version 1)

Overall and mounting dimensions



UAKRV	D	D 1	D 2	D 3	d	n	n 1	H max	h
3,55	405	440	590	770	7	8	4	490	200
4	405	440	590	770	7	8	4	570	200
4,5	505	540	772	1000	7	16	8	720	250
5	505	540	772	1000	7	16	8	530	250
5,6	635	670	772	1170	7	16	8	660	285
6,3	635	670	772	1170	7	16	8	770	285
7,1	810	850	1072	1200	10	16	8	830	385
8	810	850	1072	1200	10	16	8	1070	385
9	1010	1050	1272	1460	10	16	8	1260	485
10	1010	1050	1272	1460	10	16	8	1260	485
11,2	1260	1300	1522	1750	10	16	8	1340	580
12,5	1260	1300	1522	1750	10	16	8	1340	580
14	1260	1300	1522	1960	10	16	8	1470	385

UAKRV № 3,55... 14
Extra configuration



UAKRV	H B.	H v.	D v.	D tv.	d v.	n v.	m v. (kg)	H p.	D p.	D tp.	m p. (kg)
3,55 - 4	550	225	405	440	7	8	8	860	750	520	15
4,5 - 5	600	225	505	540	7	16	10	860	990	720	20
5,6 - 6,3	600	225	635	670	7	16	15	860	990	720	20
7,1 - 8	700	285	810	850	10	16	20	900	1160	1020	25
9 - 10	950	385	1010	1050	10	16	35	900	1360	1220	30
11,2 - 12,5	1150	485	1260	1300	10	16	50	920	1610	1410	40
14	950	485	1260	1300	10	16	50	920	1610	1410	40



QUESTIONNAIRE FOR FAN SELECTION

Parameter	Unit of measurement	The parameter value
Company name and location		
Name of workshop, area of work or technological line		
Coordinates of the responsible person (Name, position, phone number, email)		
Intended use of the device		
Fan's position number according to the technological scheme		
The number of fans	pcs.	
Specific requirements		
Body position and direction of rotation of the working wheel (determined from the suction side)		
Type of climatic version according to GOST 15150		
Capacity of a fan	m ³ / h	
Full pressure of a fan	Pa	
Characteristics of the moved medium: explosiveness fire risk		
Parameters of the moved medium: t ⁰ C, %, chemical composition with the formula and concentration mg/m³, concentration of dust (if possible)		
The temperature of the installation site	⁰ C	
The requirements to the motor supply voltage	V	
Extra configuration (please mark)		Vibration isolator
		Flexible connectors
		Automation cabinet
		Drain pipe