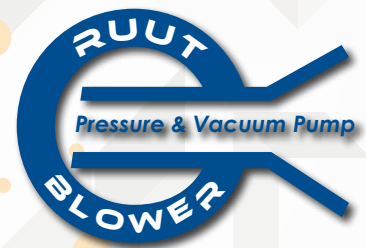


RUUT BLOWER

POSITIVE DISPLACEMENT BLOWERS

BTS
ENGINEERING

<https://prom-nasos.pro>
<https://bts.net.ua>
<https://prom-nasos.com.ua>
+38 095 656-37-57,
+38 067 360-71-01,
+38 063 362-12-31,
info@prom-nasos.pro





**WE LISTEN TO YOUR REQUESTS,
CREATE OPTIMUM SOLUTIONS,
CHOOSE THE RIGHT PRODUCT,
MAKE DELIVERIES ON TIME,
PROVIDE A GOOD SERVICE AFTER SALE.**





CONTENTS

About us	02
Mission Statement	02
Why to Prefer RUUT BLOWER	04
Products	05
H Series Blower	06
Q Series Blower	14
Application Areas	20

ABOUT US

Since 1980's we have been providing good services as a supplier in machining area for the foremost companies in our country and we have focused on manufacturing Blowers since 1997.

We are the very first company as a local manufacturer of Roots type of Blowers in our country. We are able to supply for increasing demands of the sector with our very well educated team and their quality oriented work.

Today, our Blower types that became the main subject of our production line are highly demanded as high flow low pressure in air and vacuum application areas by a very wide market as from daily life to industry.

Our works and efforts will continue in an effort to meet the growing both domestic and international demands.

MISSION STATEMENT

RUUT BLOWER's mission is to provide first-class quality and innovative high quality blowers and service in response to our customers' needs. As well to continuously improve in order to meet the ever changing needs of our customers.

RUUT BLOWER also values the commitment, skills, attitude and effort of its employees which is essential for the success of the company.

The organization believes that by maintaining a healthy business relationship with its customers, suppliers and employees it will result in further growth, success and future prosperity of the organization.



BLOWER WORKING PRINCIPLE

Blowers are made of a couple of rotors rotating in a particular shaped body in a positive displacement. The movement of rotors are synchronized by timing gears located on the shafts. Therefore, there is no friction between rotors and between rotors and the body. During the process of rotation the air is moved out by the gears and transferred to the discharge side.

Blowers transfer the air as much as it's volume in each rotation of the pumping shaft. Air blowing capacity of Blowers depends on its operating speed and pressure (resistance) conditions. Blowers generate pressure depending on the system connected resistance and can work either in pressure or vacuum.



WHY TO PREFER RUUT BLOWER

In today's competitive market, it is inevitable for companies to follow the latest technology and implement it on their works. It is a must to take advantage of such technologies help decreasing energy and operating cost prices. As RUUT BLOWER, we are willing to be your solution partner to improve your competitive capacity with our "last tech" product and the most affordable solutions.



RIGHT PRODUCT

We provide the service for choosing the right product when it is needed as well as providing pre-sales technical information support to prevent from any problems may occur on poorly chosen products.



RIGHT TIME

We make sure the loading and delivery will be made on time for our customers. With our inventories of large variety of products, we are able to eliminate the timing problems as well.



RIGHT SERVICE

We are able to extend the life of the products both with our post-sale maintenance services and variety of spare parts availability.

ADVANTAGES

- Pumping oil free air or gas.
- Providing almost constant air volume at different levels of pressure.
- Having constant sealing when operating until up to 1 bar.
- Ability of connecting to drive sources directly with coupling or a belt pulley and the air capacity can be adjusted in a second case if needed.
- Providing for the limited basic requirement due to compact design and low facility cost.
- Minimum service requirement provides long lasting life and low cost in operation.

PRODUCTS

POSITIVE DISPLACEMENT BLOWERS



H Series

Air Flow: Max. 8200m³/h

Pressure: Max. 1000 mbar g

Vacuum: Max. -500 mbar g

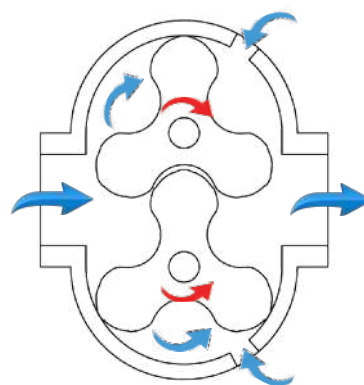
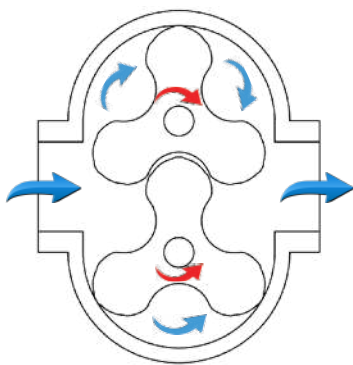


Q Series

Flow: Max.6200 m³/h

Pressure: Max. 1000 mbar g

Vacuum: Max. -920 mbar g

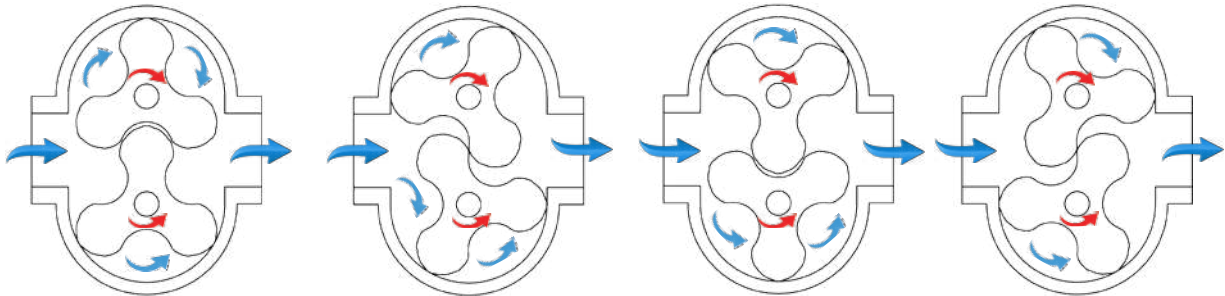


H SERIES BLOWER



- Air Flow: Max. 8200m³/h
- Pressure: Max. 1000 mbar g
- Vacuum: Max. -500 mbar g

H Series Blower Air Flow Schema



Blower set contains a Blower, suction filter with silencer, discharge silencer, check valve, pressure or vacuum safety valve, belt-pulley system, belt-pulley guard, anti-vibration mounts, manometer, filter level indicator, frame and first oil load.



Compact acoustic cab is completely modular and made of DKP sheet metal. It has external fans and an air circulation helps prevent blower to warm up. It is covered by a fireproof acoustic sponge (NFAF) and can be carried by forklifts.

H Series Blower Applications

- *Pneumatic Transport (dilute phase) of granular materials (pressure and vacuum)*
- *Water Treatment procedure at purification plants (pressure)*
- *Pool Ventilation in Fish Farms (pressure)*
- *Central Dust and Fume Extraction System (vacuum)*
- *Sandblasting Systems (pressure)*
- *Drying Systems (pressure)*
- *Ventilation Systems (pressure and vacuum)*



H SERIES BLOWER PRESSURE CHART

Blower		Δp mbar	300		400		500		600		700		800		900		1000	
Model	Flow Rate	N rpm	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW
H 7 (DN 80)	810 m³/h	1500	172	2,7	154	3,4	149	4,1	137	4,8								
		2000	252	3,7	240	4,6	228	5,5	219	6,4	211	7,4						
		2500	333	4,5	322	5,7	310	6,8	305	8,1	293	9,3	286	10,4				
		3000	422	5,4	404	6,8	398	8,3	386	9,7	374	11,1	368	12,5	362	14,0		
		3500	502	6,2	488	8,0	478	9,7	470	11,2	458	13,0	451	14,6	442	16,3		
		4000	587	7,1	571	9,2	563	11,0	552	12,9	542	14,8	535	16,7	528	18,6	519	20,5
		4500	668	8,1	654	10,2	644	12,3	636	14,5	626	16,6	619	18,8	609	20,9	602	23,1
		5000	754	9,0	737	11,3	731	13,7	719	16,1	707	18,5	701	20,8	695	23,3	683	25,6
H 9 (DN 100)	1200 m³/h	1500	273	3,6	255	4,7	244	5,7	232	6,7								
		2000	395	5,0	380	6,4	366	7,8	354	9,2	345	10,6						
		2500	517	6,5	504	8,2	490	10,0	475	11,7	468	13,5						
		3000	642	8,1	624	10,2	612	12,2	600	14,4	588	16,5						
		3500	761	9,8	748	12,2	735	14,7	723	17,1	711	19,6						
		4000	887	11,6	872	14,4	857	17,2	845	20,0	834	22,8						
		4500	1010	13,4	992	16,6	980	19,8	968	22,9	956	26,1						
		5000	1129	15,4	1117	18,9	1105	22,4	1093	25,9	1081	29,4						
H 17 (DN 150)	1510 m³/h	1500	380	4,3	362	5,7	350	7,0	339	8,5	327	9,8	315	11,2				
		2000	540	6,0	522	7,8	511	9,6	499	11,4	487	13,2	475	15,2	466	17,0		
		2500	700	7,7	686	10,0	670	12,3	658	14,6	645	16,9	638	19,2	626	21,4	610	23,7
		3000	861	9,7	843	12,4	832	15,2	820	18,0	808	20,7	796	23,5	784	26,2	778	29,0
		3500	1020	11,9	1006	15,1	991	18,4	979	21,6	967	24,8	959	28,0	947	31,2	937	34,4
		4000	1182	14,4	1166	18,1	1152	21,8	1139	25,4	1129	29,1	1118	32,7	1107	36,3	1098	40,1
		4500	1341	17,1	1327	21,2	1311	25,4	1299	29,5	1288	33,6	1280	37,8	1268	41,8	1257	46,0
		4800	1437	18,9	1420	23,3	1408	27,6	1396	32,0	1384	36,5	1372	40,9	1366	45,3	1354	49,7
H 19 (DN 150)	2150 m³/h	1500	511	6,1	481	8,1	457	10,0	440	12,0								
		2000	739	8,4	713	11,0	686	13,6	668	16,3	645	18,8						
		2500	970	10,8	940	14,1	916	17,4	898	20,6	875	23,9						
		3000	1200	13,5	1170	17,3	1146	21,3	1123	25,3	1105	29,2						
		3500	1428	16,5	1398	21,0	1375	25,6	1355	30,2	1333	34,9						
		4000	1657	19,8	1628	25,0	1604	30,2	1581	35,5	1562	40,7						
		4500	1885	23,4	1856	29,2	1832	35,1	1812	41,0	1790	46,9						
		4800	2020	25,6	1996	31,9	1972	38,3	1948	44,5	1931	50,8						
H 37 (DN 150)	2630 m³/h	1500	855	9,7	820	12,8	796	15,8	766	18,9	743	21,9	719	25,0				
		2000	1212	13,5	1177	17,6	1152	21,7	1122	25,8	1098	29,8	1076	33,9	1057	38,0		
		2500	1568	17,7	1532	22,8	1509	27,9	1478	33,0	1455	38,1	1432	43,2	1414	48,3	1390	53,4
		2750	1746	20,1	1710	25,7	1687	31,3	1657	36,9	1634	42,5	1610	48,1	1592	53,7	1568	59,3
		3000	1925	22,5	1889	28,7	1865	34,8	1835	40,9	1812	47,0	1788	53,1	1770	59,3	1746	65,4
		3250	2103	25,2	2066	31,8	2043	38,4	2014	45,1	1990	51,7	1966	58,3	1948	65,0	1925	71,6
		3500	2281	28,0	2245	35,2	2221	42,3	2192	49,4	2168	56,6	2144	63,7	2126	70,8	2102	78,0
		3800	2495	31,6	2459	39,4	2435	47,1	2406	54,9	2382	62,6	2358	70,4	2340	78,1	2317	85,9

* Values are given in the chart at 20° standard temperature,
1013 mbar standard pressure and 0% absolute and relative humidity.

H SERIES BLOWER PRESSURE TABLES

Blower		Δp mbar	300		400		500		600		700		800		900		1000	
Model	Flow Rate	N rpm	Q m³/h	P kW	Q m³/h	P kW	Q m³/h	P kW	Q m³/h	P kW	Q m³/h	P kW	Q m³/h	P kW	Q m³/h	P kW	Q m³/h	P kW
H 39 (DN 200)	3420 m³/h	1500	1111	12,5	1069	16,5	1034	20,5	998	24,5	968	28,5						
		2000	1574	17,5	1532	22,8	1494	28,0	1461	33,3	1428	38,7						
		2500	2038	22,8	1997	29,4	1957	36,1	1922	42,7	1892	49,3						
		2750	2270	25,7	2229	33,1	2187	40,3	2156	47,6	2122	54,9						
		3000	2501	28,9	2459	36,8	2424	44,8	2388	52,7	2358	60,7						
		3250	2732	32,2	2689	40,8	2654	49,5	2618	58,0	2588	66,7						
		3500	2967	35,8	2922	45,0	2884	54,3	2848	63,6	2818	72,9						
		3800	3243	40,3	3202	50,4	3160	60,5	3130	70,6	3095	80,6						
H 47 (DN 200)	3800 m³/h	1200	1259	13,9	1218	18,4	1176	22,7	1140	27,2	1111	31,6	1075	36,1	1051	40,5		
		1500	1650	17,9	1603	23,4	1565	29,0	1530	34,5	1495	40,1	1466	45,6	1436	51,1		
		1750	1972	21,3	1925	27,8	1884	34,3	1849	40,8	1818	47,3	1788	53,7	1759	60,1	1730	66,7
		2000	2296	25,1	2249	32,5	2207	39,9	2163	47,3	2142	54,7	2112	62,1	2082	69,4	2056	76,8
		2250	2618	29,0	2570	37,3	2530	45,7	2482	53,9	2464	62,3	2433	70,7	2404	78,9	2376	87,2
		2500	2938	33,3	2892	42,6	2854	51,8	2818	61,0	2786	70,3	2756	79,5	2726	88,8	2699	98,0
		2750	3260	38,0	3215	48,1	3178	58,3	3142	68,4	3108	78,6	3078	88,7	3049	98,9	3023	109,1
		3000	3582	42,8	3540	54,0	3499	65,1	3481	76,1	3433	87,2	3404	98,3	2978	109,3	3344	120,5
H 49 (DN 200)	5160 m³/h	1200	1717	18,8	1657	24,9	1598	30,9	1550	37,0	1503	43,0						
		1500	2244	24,0	2185	31,6	2131	39,1	2078	46,8	2036	54,4						
		1750	2685	28,3	2627	37,4	2572	46,1	2520	55,1	2478	63,9						
		2000	3128	33,2	3068	43,4	3012	53,5	2962	63,7	2917	73,8						
		2250	3568	38,3	3508	49,6	3451	61,1	3403	72,4	3356	83,8						
		2500	4010	43,6	3947	56,3	3893	68,9	3843	81,5	3798	94,1						
		2750	4450	49,3	4390	63,2	4336	77,1	4284	91,0	4241	104,9						
		3000	4895	55,4	4829	70,5	4776	85,7	4728	100,8	4681	116,0						
H 67 (DN 250)	5760 m³/h	900	1806	19,8	1746	26,1	1687	32,4	1639	38,8	1592	45,1	1550	51,4	1509	57,7		
		1000	2055	22,1	1990	29,2	1936	36,2	1883	43,2	1841	50,3	1794	57,3	1788	64,4		
		1250	2665	28,4	2606	37,4	2551	46,1	2499	54,9	2451	63,7	2410	72,5	2368	81,4		
		1500	3285	35,2	3219	45,8	3166	56,3	3113	66,9	3071	77,4	3023	88,0	2988	98,5	2946	109,1
		1750	3898	42,7	3834	55,1	3780	67,3	3732	79,6	3685	91,9	3642	104,3	3600	116,6	3561	128,9
		2000	4514	50,6	4449	64,7	4396	78,7	4342	92,8	4301	106,9	4253	121,0	4217	135,0	4176	149,1
		2200	5001	57,6	4942	73,1	4889	88,6	4835	104,0	4788	119,5	4746	135,0	4704	150,6	4669	166,1
		2400	5495	65,2	5435	82,1	5376	98,9	5328	115,9	5281	132,8	5239	149,6	5198	166,6	5162	183,4
H 69 (DN 250)	8200 m³/h	900	2489	27,9	2382	37,0	2293	46,1	2210	55,1	2132	64,2						
		1000	2839	31,3	2732	41,3	2643	51,4	2560	61,4	2483	71,5						
		1250	3715	39,9	3610	52,6	3520	65,2	3436	77,8	3359	90,3						
		1500	4592	49,2	4491	64,2	4396	79,3	4312	94,4	4235	109,4						
		1750	5472	59,2	5366	76,8	5276	94,4	5192	111,9	5116	129,5						
		2000	6350	69,6	6243	89,7	6154	109,8	6071	129,8	5993	149,9						
		2200	7051	78,6	6944	100,8	6855	122,9	6772	145,0	6694	167,1						
		2400	7752	88,4	7651	112,5	7556	136,7	7473	160,8	7395	184,8						

* Values are given in the chart at 20° standard temperature,
1013 mbar standard pressure and 0% absolute and relative humidity.

H SERIES BLOWER VACUUM CHART

Blower		Δp mbar	-200		-250		-300		-350		-400		-450		-500	
Model	Flow Rate	N rpm	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW
H 7 (DN 80)	810 m³/h	1500	178	1.9	166	2.3	154	2.7	143	3.1	131	3.4				
		2000	258	2.6	246	3.1	237	3.6	225	4.1	213	4.6				
		2500	344	3.3	332	3.9	321	4.5	310	5.1	298	5.7	285	6.3		
		3000	428	4.0	416	4.7	404	5.4	392	6.1	380	6.8	368	7.5		
		3500	512	4.6	500	5.5	488	6.3	475	7.0	464	8.0	452	8.8	440	9.8
		4000	595	5.3	583	6.2	570	7.2	558	8.1	546	9.2	535	9.5	521	11.0
		4500	678	5.9	666	7.0	654	8.1	642	9.1	630	10.2	619	11.4	602	12.3
		5000	760	6.5	748	7.8	737	9.0	725	10.1	713	11.3	701	12.5	689	13.7
H 9 (DN 100)	1200 m³/h	1500	279	2.6	267	3.1	255	3.6	238	4.1	226	4.7				
		2000	403	3.6	389	4.3	377	5.0	362	5.7	347	6.4				
		2500	526	4.8	511	5.6	499	6.5	485	7.4	469	8.3	452	9.2		
		3000	647	5.9	636	7.0	624	8.1	606	9.1	594	10.2	576	11.2		
		3500	770	7.3	759	8.6	743	9.8	730	11.0	718	12.2	695	13.5		
		4000	893	8.7	881	10.2	866	11.6	854	13.0	840	14.4	804	15.8		
		4500	1015	10.3	1003	11.8	990	13.4	974	15.0	961	16.6	939	18.2		
		5000	1140	11.8	1123	13.7	1111	15.4	1099	17.1	1081	18.9	1069	20.6		
H 17 (DN 150)	1510 m³/h	1500	380	3.0	374	3.6	362	4.3	345	5.0	333	5.7	315	6.3		
		2000	550	4.1	535	5.0	520	6.0	505	6.9	490	7.8	475	8.7		
		2500	710	5.5	695	6.5	680	7.8	666	8.9	650	10.1	634	11.2	618	12.4
		3000	867	6.9	855	8.3	843	9.7	826	11.0	814	12.4	796	13.8	778	15.2
		3500	1030	8.7	1014	10.3	1002	12.0	988	13.6	973	15.2	955	16.8	937	18.4
		4000	1190	10.7	1176	12.5	1163	14.4	1145	16.2	1133	18.1	1117	19.9	1099	21.7
		4500	1351	12.9	1335	15.0	1322	17.1	1308	19.2	1293	21.2	1275	23.3	1258	25.4
		4800	1449	14.5	1432	16.6	1420	18.9	1402	21.0	1390	23.3	1372	24.5	1354	27.6
H 19 (DN 150)	2150 m³/h	1500	529	4.2	499	5.1	475	6.1	451	7.0	428	8.1				
		2000	757	5.8	731	7.1	704	8.4	680	9.7	656	11.0				
		2500	983	7.6	958	9.2	934	10.9	910	12.5	882	14.1	856	15.7		
		3000	1212	9.5	1188	11.5	1164	13.5	1140	15.4	1111	17.3	1087	19.5		
		3500	1444	12.0	1415	14.2	1392	16.6	1368	18.8	1342	21.1	1314	23.4		
		4000	1670	14.5	1645	17.1	1622	19.8	1598	22.3	1570	25.0	1544	27.6		
		4500	1901	17.5	1874	20.3	1850	23.4	1825	26.2	1800	29.3	1772	32.1		
		4800	2037	19.4	2014	22.5	1990	25.6	1960	28.8	1936	31.9	1907	35.1		
H 37 (DN 150)	2630 m³/h	1500	873	6.6	843	8.2	814	9.7	784	11.2	754	12.8	719	14.3		
		2000	1229	9.5	1199	11.5	1170	13.6	1140	15.7	1110	17.8	1075	19.8		
		2500	1585	12.6	1556	15.2	1526	17.8	1496	20.2	1466	22.8	1432	25.3	1395	27.9
		2750	1764	14.4	1734	17.3	1705	20.1	1675	22.9	1645	25.7	1610	28.5	1575	31.4
		3000	1942	16.4	1913	19.5	1883	22.5	1853	25.6	1824	28.7	1788	31.8	1752	34.8
		3250	2120	18.6	2090	21.8	2061	25.1	2031	28.4	2002	31.8	1966	35.1	1930	38.4
		3500	2299	20.9	2269	24.5	2240	28.0	2210	31.6	2180	35.2	2144	38.7	2108	42.3
		3800	2513	23.9	2483	27.7	2453	31.6	2424	35.5	2394	39.4	2358	43.2	2323	47.1

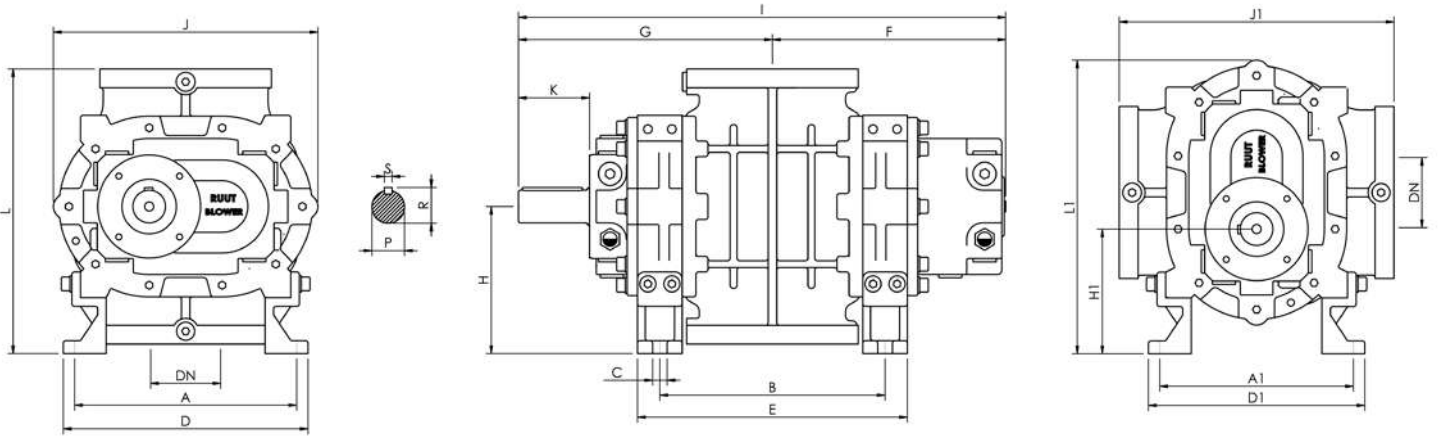
* Values are given in the chart at 20° standard temperature,
1013 mbar standard pressure and 0% absolute and relative humidity.

H SERIES BLOWER VACUUM CHART

Blower		Δp mbar	-200		-250		-300		-350		-400		-450		-500	
Model	Flow Rate	N rpm	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW
H 39 (DN 200)	3420 m³/h	1500	1135	8,6	1099	10,6	1057	12,5	1022	14,6	980	16,5				
		2000	1601	12,2	1562	14,8	1521	17,5	1482	20,0	1440	22,8				
		2500	2064	16,2	2022	19,5	1985	22,8	1945	26,1	1904	29,4	1860	32,8		
		2750	2294	18,5	2257	22,1	2217	25,8	2175	29,4	2134	33,1	2092	36,7		
		3000	2525	20,9	2489	24,9	2447	28,9	2412	32,8	2370	36,8	2323	40,8		
		3250	2761	23,7	2719	28,0	2678	32,2	2642	36,6	2600	40,8	2554	45,2		
		3500	2991	26,5	2949	31,1	2914	35,8	2872	40,4	2830	45,0	2789	49,7		
		3800	3267	30,2	3231	35,3	3190	40,3	3148	45,4	3107	50,4	3065	55,4		
H 47 (DN 200)	3800 m³/h	1200	1289	9,5	1247	11,7	1206	13,9	1164	16,1	1123	18,4	1075	20,6		
		1500	1675	12,4	1632	15,1	1590	17,9	1549	20,7	1507	23,4	1460	26,3		
		1750	1999	14,9	1955	18,1	1913	21,4	1871	24,7	1830	27,8	1782	31,2		
		2000	2321	17,8	2278	21,4	2237	25,1	2195	28,8	2154	32,5	2106	36,2	2059	39,9
		2250	2642	20,9	2600	25,0	2560	29,1	2518	33,3	2475	37,4	2429	41,6	2380	45,8
		2500	2966	24,1	2922	28,7	2884	33,3	2842	38,0	2797	42,6	2753	47,2	2702	51,8
		2750	3288	27,8	3245	33,0	3207	38,0	3165	43,2	3120	48,1	3076	53,3	3025	58,4
		3000	3616	31,8	3570	37,3	3528	42,8	3487	48,5	3445	54,0	3398	59,5	3350	65,1
H 49 (DN 200)	5160 m³/h	1200	1752	12,8	1693	15,8	1639	18,8	1580	21,8	1521	24,9				
		1500	2280	16,4	2226	20,3	2167	24,0	2113	27,8	2054	31,6				
		1750	2721	19,7	2667	24,2	2608	28,6	2554	33,0	2495	37,4	2431	41,8		
		2000	3163	23,2	3107	28,3	3051	33,3	2994	38,4	2935	43,4	2872	48,5		
		2250	3603	26,9	3546	32,7	3491	38,4	3434	44,0	3374	49,7	3312	55,4		
		2500	4045	31,0	3988	37,4	3932	43,6	3876	50,0	3816	56,3	3751	62,6		
		2750	4486	35,5	4430	42,5	4373	49,4	4318	56,3	4259	63,3	4193	70,2		
		3000	4930	40,2	4871	47,7	4817	55,4	4758	62,9	4699	70,5	4633	78,0		
H 67 (DN 250)	5760 m³/h	900	1841	13,5	1788	16,6	1729	19,8	1669	23,0	1610	26,1	1544	29,3		
		1000	2091	15,1	2031	18,7	1978	22,1	1919	25,7	1859	29,2	1794	32,7		
		1250	2705	19,8	2648	24,3	2588	28,5	2533	33,0	2469	37,4	2408	41,8	2339	46,1
		1500	3320	24,7	3261	30,0	3208	35,2	3148	40,5	3089	45,8	3023	51,1	2952	56,3
		1750	3933	30,4	3876	36,6	3820	42,8	3762	48,9	3701	55,1	3636	61,2	3565	67,4
		2000	4550	36,5	4491	43,6	4437	50,6	4378	57,6	4318	64,7	4253	71,7	4182	78,7
		2200	5043	42,1	4984	49,9	4924	57,6	4871	65,4	4805	73,1	4746	80,9	4675	88,6
		2400	5530	48,3	5477	56,7	5417	65,2	5358	73,6	5298	82,1	5233	90,6	5168	98,9
H 69 (DN 250)	8200 m³/h	900	2548	19,0	2453	23,5	2358	27,9	2263	32,5	2162	37,0				
		1000	2899	21,2	2804	26,3	2709	31,3	2614	36,3	2513	41,3				
		1250	3775	27,5	3680	33,8	3585	40,1	3490	46,4	3389	52,6				
		1500	4651	34,1	4556	41,6	4461	49,2	4473	56,7	4265	64,2	4158	71,7		
		1750	5531	41,6	5436	50,4	5342	59,1	5266	68,0	5145	76,8	5039	85,5		
		2000	6409	49,5	6314	59,6	6219	69,6	6124	79,7	6023	89,7	5916	99,8		
		2200	7110	56,6	7015	67,6	6920	78,6	6825	89,8	6724	100,8	6617	111,9		
		2400	7811	64,3	7716	76,4	7621	88,4	7526	100,5	7425	112,5	7318	124,5		

* Values are given in the chart at 20° standard temperature,
1013 mbar standard pressure and 0% absolute and relative humidity.

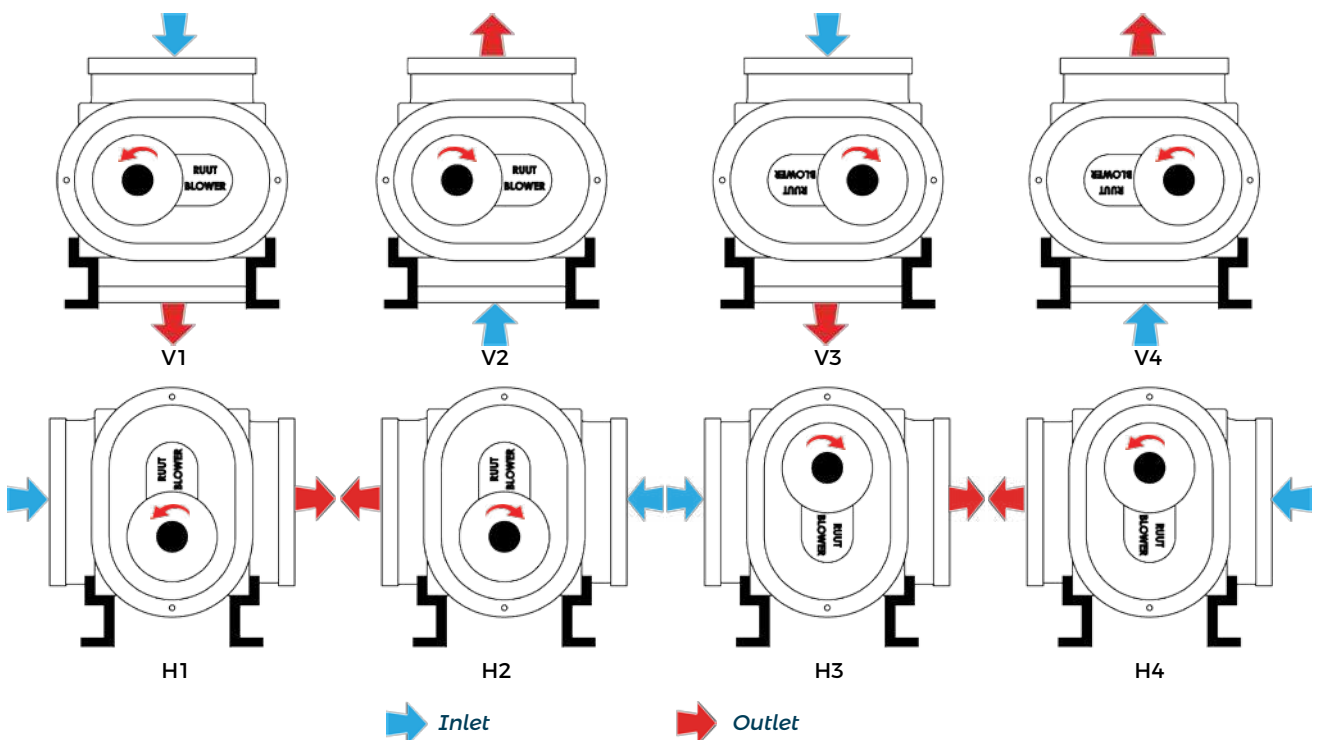
H SERIES GENERAL DIMENSIONS



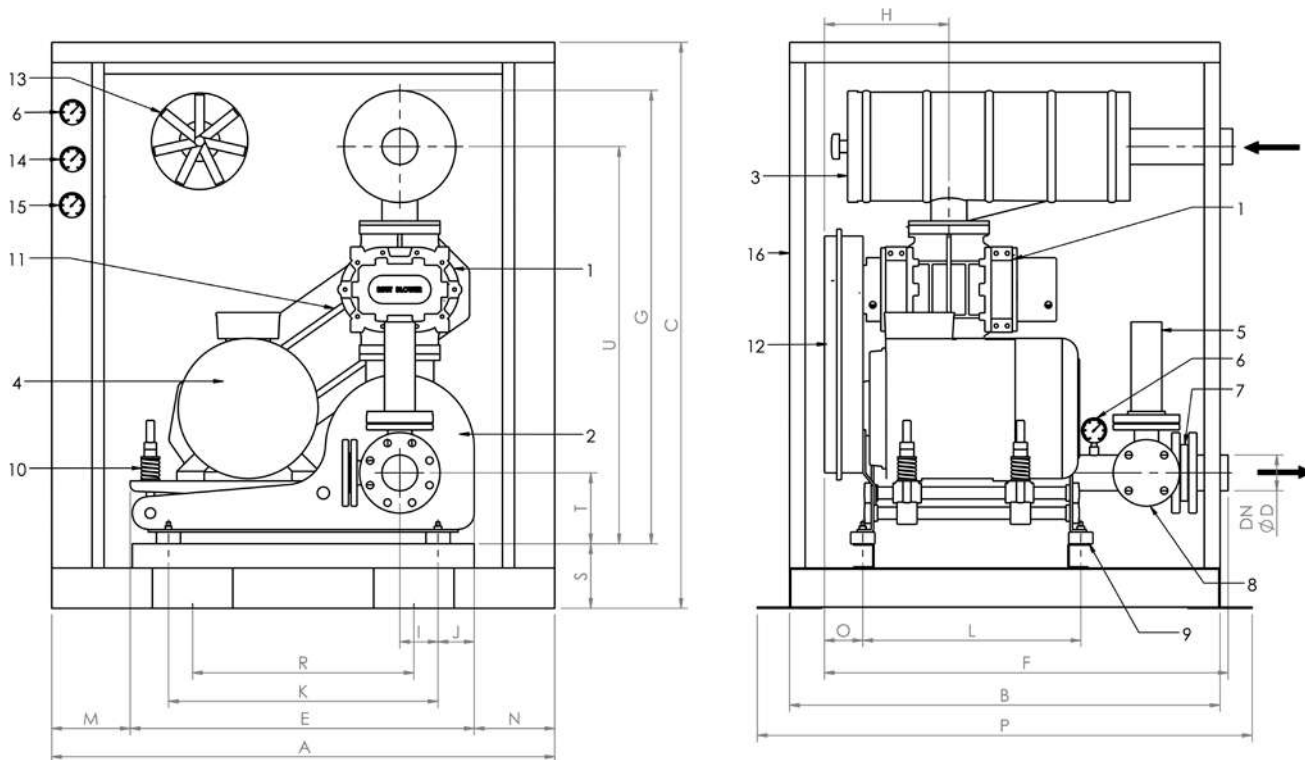
Blower	A (mm)	A1 (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	E (mm)	F (mm)	G (mm)	H (mm)	H1 (mm)	I (mm)	J (mm)	J1 (mm)	K (mm)	L (mm)	L1 (mm)	P (mm)	R (mm)	S (mm)	DN PN10	Weight (kg)
H 7	250	218	262	17	285	252	314	272	296	171	145	568	308	320	80	331	342	38	41	10	80	106
H 9	250	218	362	17	285	252	414	322	346	171	145	668	308	320	80	331	342	38	41	10	100	124
H 17	272	260	320	17	350	300	380	337	363	200	172	700	357	380	110	390	404	48	51,5	14	150	202
H 19	272	260	432	17	350	300	492	393	419	200	172	812	357	380	110	390	404	48	51,5	14	150	225
H 37	312	296	420	19	378	336	484	402	425	219	182	827	435	418	115	428	468	55	59	16	150	282
H 39	312	296	530	19	378	336	594	457	478	219	182	935	435	418	115	428	468	55	59	16	200	325
H 47	530	512	486	19	580	542	558	460	496	271	206	956	546	530	140	536	562	60	64	18	200	458
H 49	530	512	636	19	580	542	708	535	571	271	206	1106	546	530	140	536	562	60	64	18	200	496
H 67	492	392	576	22	570	470	648	525	570	305	248	1095	642	596	140	605	676	70	74,5	20	250	628
H 69	492	392	776	22	570	470	848	625	670	305	248	1295	642	596	140	605	676	70	74,5	20	250	698

* RUUT BLOWER reserves the right to change dimensions without notice

H SERIES BLOWER CONFIGURATIONS



H SERIES ACCESSORIZED BLOWER GENERAL DIMENSIONS



Blower	A (mm)	B (mm)	C (mm)	DN PN10	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)	P (mm)	R (mm)	S (mm)	O (mm)	T (mm)	U (mm)
H 7	1250	1070	1405	80	855	898	1126	310	95	90	670	542	195	200	1230	550	160	95	176	986
H 9	1250	1070	1405	100	855	898	1126	360	95	90	670	542	195	200	1230	550	160	95	176	986
H 17	1400	1250	1665	150	1000	1106	1412	380	95	115	770	660	200	200	1410	700	160	118	228	1208
H 19	1400	1250	1665	150	1000	1106	1412	435	95	115	770	660	200	200	1410	700	160	118	228	1208
H 37	1600	1450	2035	150	1170	1210	1550	435	145	115	940	760	215	215	1610	760	160	118	278	1346
H 39	1600	1450	2035	150	1170	1210	1675	490	145	115	940	760	215	215	1610	760	160	118	278	1416
H 47	1860	1580	2370	200	1340	1375	1775	515	170	140	1050	860	260	260	1740	950	180	150	320	1570
H 49	1860	1580	2370	200	1340	1375	1775	590	170	140	1050	860	260	260	1740	950	180	150	320	1570
H 67	2100	2000	2700	250	1530	1580	2105	625	220	140	1250	960	290	280	2160	1200	180	185	390	1830
H 69	2100	2000	2700	250	1530	1580	2105	725	220	140	1250	960	290	280	2160	1200	180	185	390	1830

* RUUT BLOWER reserves the right to change dimensions without notice

PART LIST

1. Blower	9. Anti Vibration Mountings
2. Chassis	10. Motor Tensioning Springs
3. Suction Filter with Silencer	11. V Belt Drive
4. Electric Motor	12. Belt Pulley Guard
5. Pressure Safety Valve	13. Air Ventilation Fan
6. Pressure Indicator	14. Temperature Indicator
7. Non - Return Valve	15. Filter Indicator
8. Spare Outlet	16. Acoustic Cab

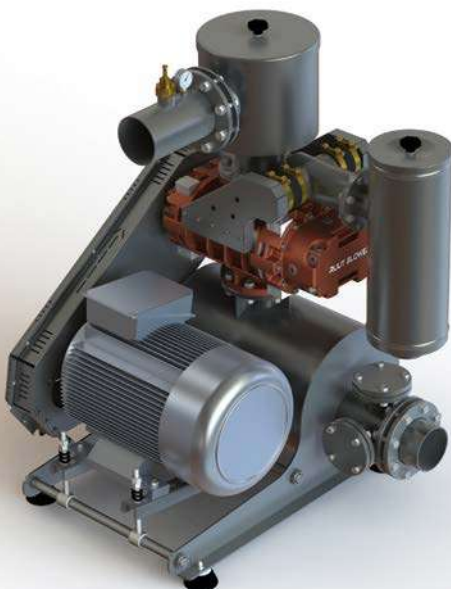
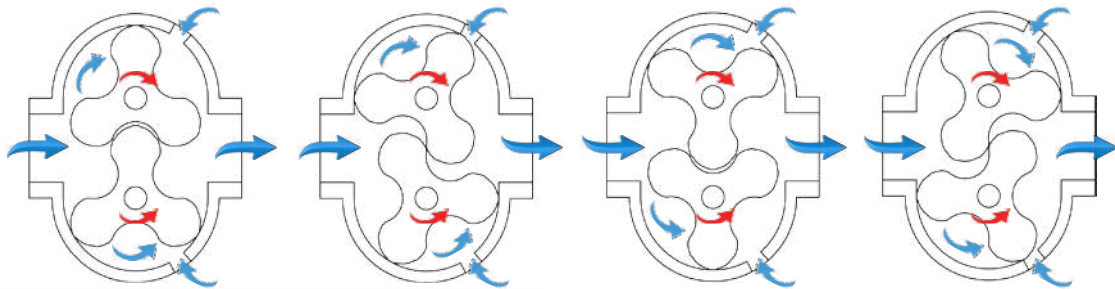
Q SERIES BLOWER



- Flow: Max. 6200 m³/h
- Pressure: Max. 1000 mbar g
- Vacuum: Max. -920 mbar g

Rotor of Blower is made of one piece cast iron (GGG50) and has three lobes. It has helical timing gears made of 17CrNiMo6 hardened steel. Blower is lubricated with splashing and sealing is provided by labyrinth type rings. The drive shaft sealing is provided with viton felt. They are heavy operation blowers and designed for long operation periods.

Q Series Blower Air Flow Schema



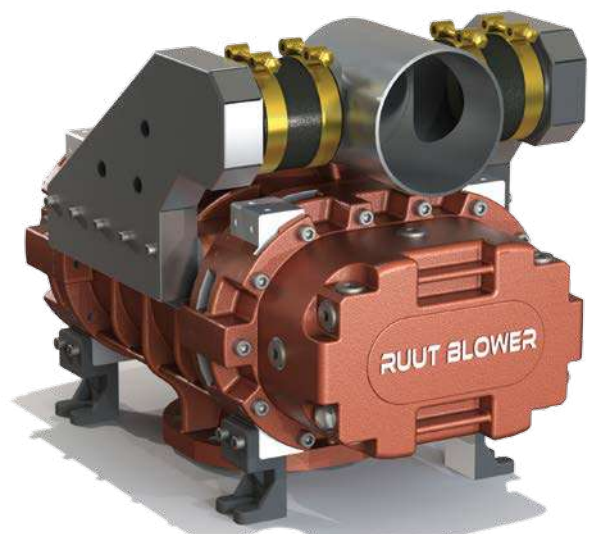
Blower set contains a Blower, suction filter with silencer, discharge silencer, check valve, vacuum safety valve, belt-pulley system, belt-pulley guard, anti-vibration mounts, manometer, filter level indicator, frame and first oil load.



Compact acoustic cab is completely modular and made of DKP sheet metal. It has external fans and an air circulation helps prevent blower to warm up. It is covered by a fireproof acoustic sponge (NFAF) and can be carried by forklifts.

Q Series Blower Applications

- **Pneumatic Transport (dilute phase) of granular materials (vacuum)**
- **Central Dust and Collection system (vacuum)**
- **Central Milking Machines (vacuum)**
- **Central System Vacuum Applications (vacuum)**
- **In Truck Mounted Equipment (vacuum)
(Vacuum Truck, Combined Truck)**



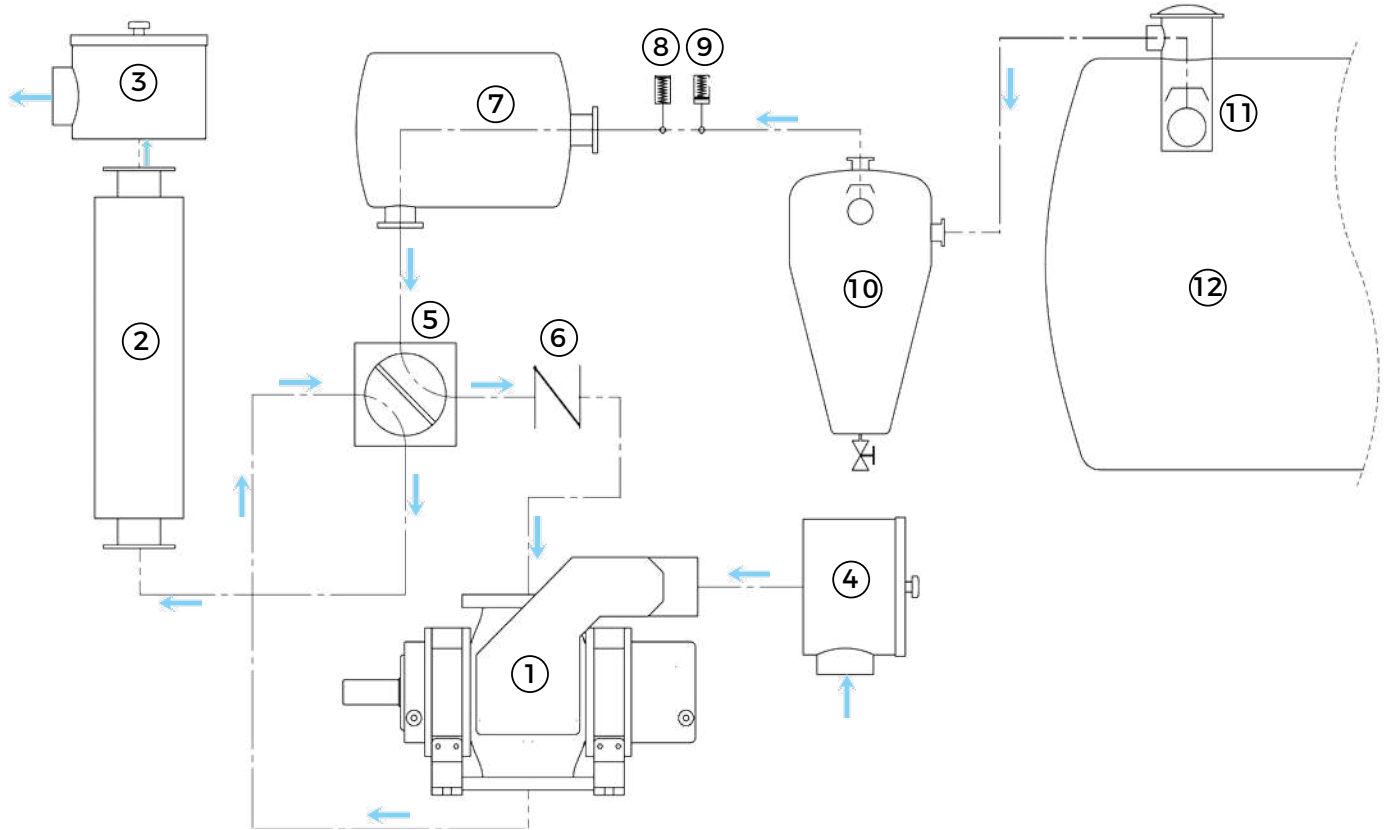
Q SERIES BLOWER VACUUM CHART

Blower		Δp mbar	-300 (%30 Vacuum)		-500 (%50 Vacuum)		-600 (%60 Vacuum)		-700 (%70 Vacuum)		-800 (%80 Vacuum)		-850 (%85 Vacuum)		-900 (%90 Vacuum)		-920 (%92 Vacuum)	
Model	Flow Rate	N rpm	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW	Q m ³ /h	P kW
Q 900 (DN 80)	810 m ³ /h	2000	232	3,7	178	5,6	140	6,6										
		2500	316	4,6	262	7,0	224	8,2	164	9,3	40	10,5						
		3000	400	5,5	346	8,4	307	9,8	247	11,2	124	12,7						
		3500	484	6,4	429	9,7	391	11,3	330	13,0	208	14,7	72	15,5				
		4000	567	7,3	513	11,0	475	12,9	414	14,8	291	16,6	156	17,7				
		4500	650	8,2	597	12,4	559	14,5	498	16,6	375	18,7	241	19,8				
		4800	706	8,7	647	13,2	616	15,5	559	17,7	440	20,0	311	21,1	20	22,2	-	23,1
Q 1500 (DN 150)	1600 m ³ /h	2000	525	6,1	457	9,9	376	11,6	297	13,7								
		2500	681	7,9	624	12,6	535	14,7	446	17,3	337	19,7						
		3000	842	10,0	782	15,6	693	18,4	604	21,0	505	24,2	297	25,5				
		3500	1002	12,2	941	18,8	851	22,1	762	25,7	663	28,4	475	30,5				
		4000	1163	14,7	1089	22,3	1040	26,3	921	29,4	832	33,6	624	35,7	287	38,3		
		4500	1323	17,5	1238	25,7	117	30,3	1089	34,5	980	38,9	772	41,0	396	43,1		
		4800	1419	19,4	1337	28,5	1238	33,0	1188	37,3	1089	42,0	891	44,3	446	46,7	-	48,3
Q 3000 (DN 150)	2830 m ³ /h	1500	819	9,7	716	15,8	597	18,9	478	21,9								
		2000	1177	13,5	1085	21,9	896	25,5	716	29,8	567	33,9						
		2500	1535	17,6	1443	27,8	1313	32,9	1095	38,0	846	43,1	597	45,7				
		2750	1714	20,1	1617	31,3	1462	36,9	1239	42,5	995	48,1	746	50,1				
		3000	1893	22,5	1791	34,8	1612	40,8	1383	47,0	1144	53,1	896	56,2	413	61,2		
		3500	2252	27,9	2090	42,2	2030	49,0	1851	56,5	1582	63,6	1343	67,2	687	70,8		
		4000	2590	33,2	2507	49,2	2372	57,3	2132	65,7	1881	73,9	1630	78,0	783	82,0	-	83,8
Q 4000 (DN 200)	4100 m ³ /h	1500	1592	18,4	1386	29,7	1287	35,0	990	41,2	594	46,8						
		1750	1915	21,9	1703	35,3	1584	41,3	1287	48,5	891	55,2	347	58,5				
		2000	2237	25,7	2020	41,0	1881	48,6	1584	56,2	1188	63,7	644	67,6				
		2250	2560	29,8	2336	46,9	2178	55,5	1881	64,1	1485	72,7	941	77,0	297	81,5		
		2500	2883	34,2	2653	53,2	2475	62,8	2178	72,2	1782	81,8	1238	86,5	594	91,6		
		2750	3206	39,1	2970	60,0	2772	70,4	2475	80,9	2079	91,4	1535	96,5	891	102,2		
		3000	3528	44,1	3287	67,0	3069	78,3	2772	89,8	2376	101,2	1832	106,9	1188	113,2	-	117,0
Q 6000 (DN 250)	6210 m ³ /h	1000	2017	22,3	1767	36,4	1581	43,5	1395	50,4								
		1250	2603	28,4	2320	48,3	2164	54,9	1935	63,6	1448	72,4	295	29,5				
		1500	3221	35,2	2955	56,3	2786	66,9	2488	77,4	2070	88,0	1194	93,3				
		1750	3839	42,7	3574	67,2	3394	79,5	3164	91,9	2679	104,2	1843	110,4	1193	116,9		
		2000	4457	50,7	4190	78,9	4013	92,9	3787	107,1	3300	121,1	2459	128,1	1808	135,6		
		2250	5075	59,5	4776	91,2	4677	107,0	4378	122,9	3868	138,7	3052	146,6	2353	155,2		
		2500	5673	67,9	5286	103,1	5182	120,7	4872	138,3	4301	155,9	3389	164,7	2591	174,3	-	177,8

* Values are given in the chart at 20° standard temperature.

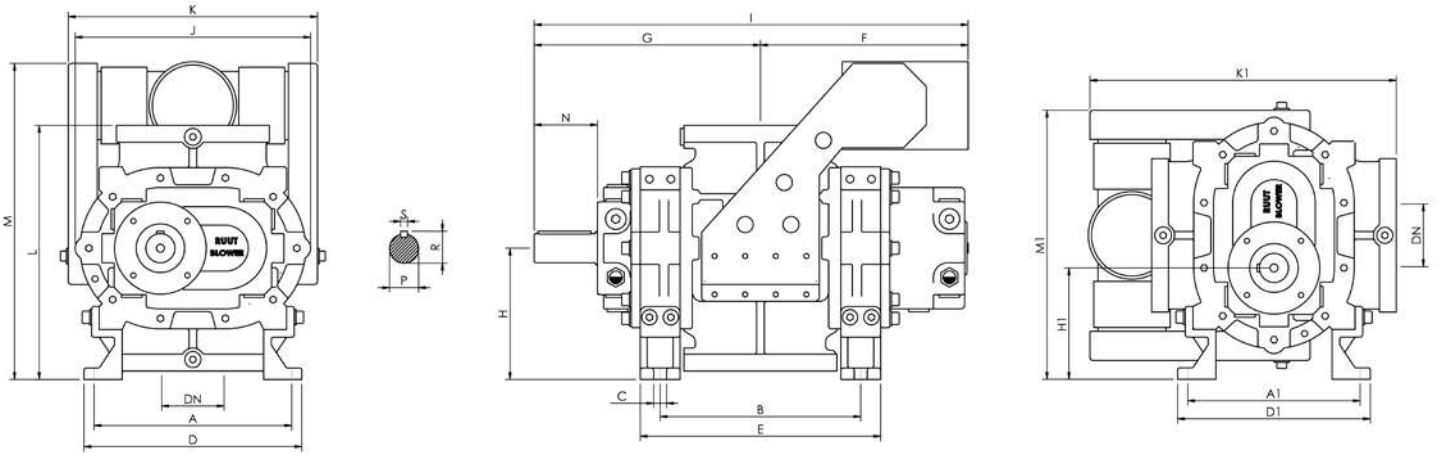
1013 mbar standard pressure and 0% absolute and relative humidity.

BLOWER- IN TRUCK MOUNTING APPLICATION CHART



1. *Blower*
2. *Exhaust (Silencer)*
3. *BF Filter (Exhaust Line)*
4. *DF Filter (Air Injection Line)*
5. *Four Way Valve*
6. *Non - Return Valve*
7. *Strainer*
8. *Vacuum Safety Valve*
9. *Pressure Safety Valve*
10. *Cyclone Float*
11. *Tank Float*
12. *Vacuum Tank*

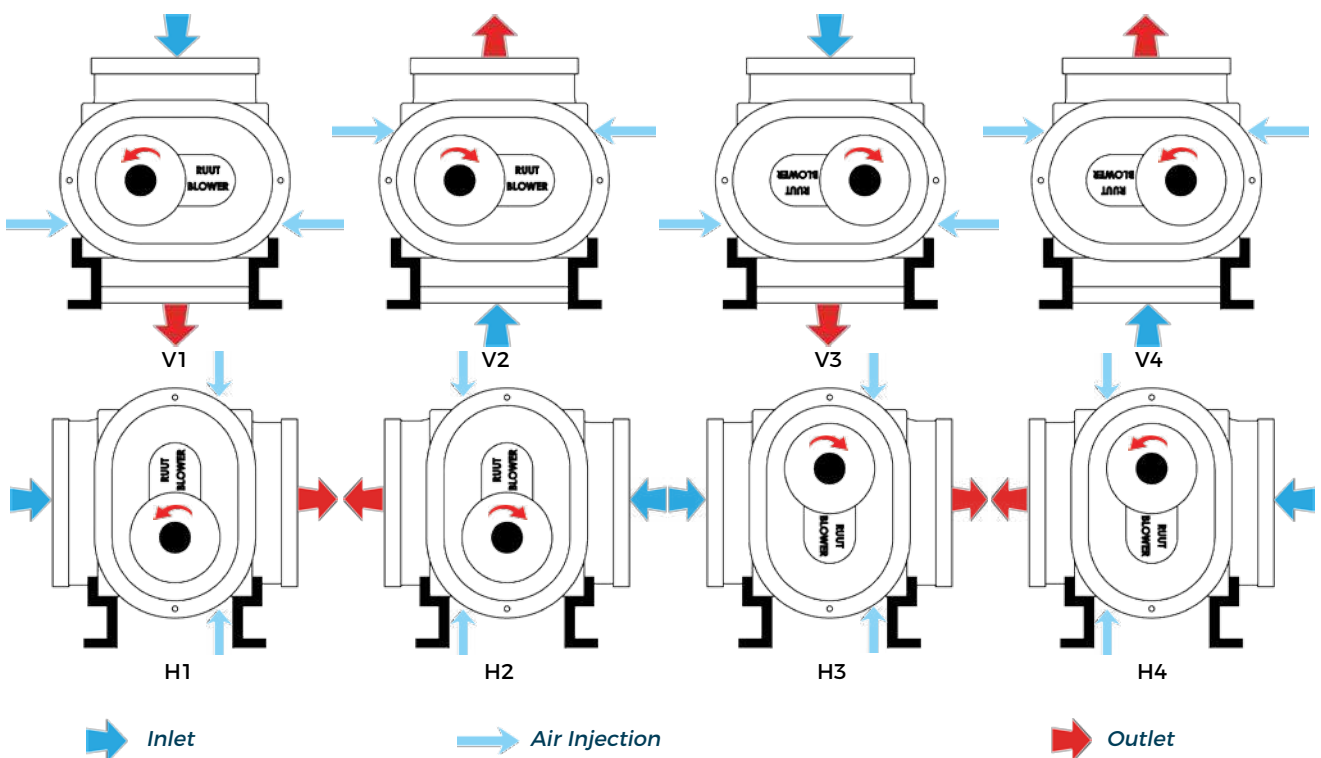
Q SERIES GENERAL DIMENSIONS



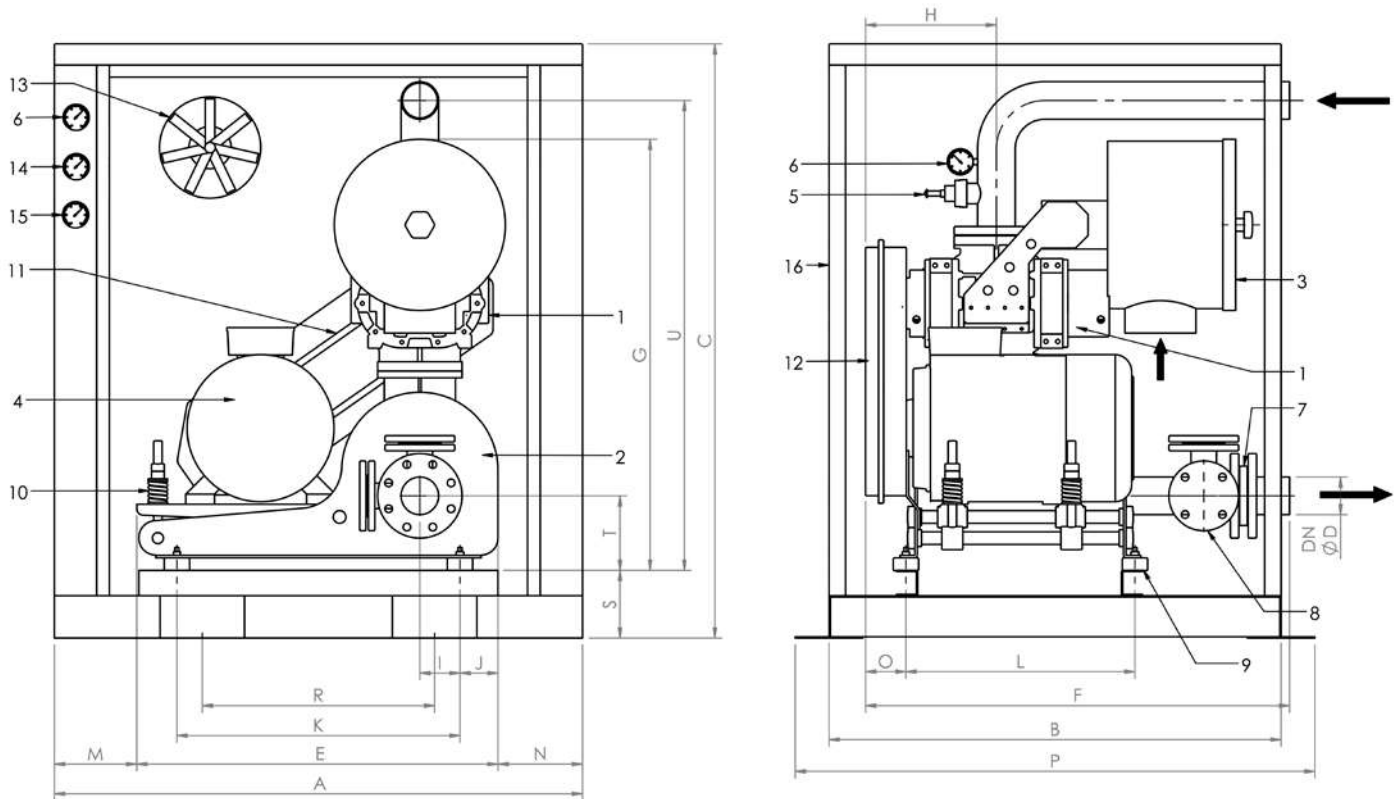
Blower	A (mm)	A1 (mm)	B (mm)	C (mm)	D (mm)	D1 (mm)	E (mm)	F (mm)	G (mm)	H (mm)	H1 (mm)	I (mm)	J (mm)	K (mm)	K1 (mm)	L (mm)	M (mm)	M1 (mm)	N (mm)	P (mm)	R (mm)	S (mm)	DN PN10	Weight (kg)
Q900	250	218	262	17	285	252	314	272	296	171	145	568	308	326	401	331	456	351	83	38	41	10	80	118
Q1500	272	260	320	17	350	300	380	337	363	200	172	700	357	412	506	390	548	431	110	48	51,5	14	150	212
Q3000	312	296	420	19	378	336	484	402	425	219	182	827	435	492	530	428	646	490	125	55	59	16	150	298
Q4000	530	512	486	19	580	542	558	460	496	271	206	956	546	624	735	536	750	602	140	60	64	18	200	483
Q6000	492	392	576	22	570	470	648	595	570	305	248	1165	642	765	812	605	820	735	140	70	74,5	20	250	648

* RUUT BLOWER reserves the right to change dimensions without notice

Q SERIES BLOWER CONFIGURATIONS



Q SERIES ACCESSORIZED BLOWER GENERAL DIMENSIONS



Blower	A (mm)	B (mm)	C (mm)	DN PN10	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)	P (mm)	R (mm)	S (mm)	O (mm)	T (mm)	U (mm)
Q900	1250	1070	1405	80	855	898	1020	310	95	90	670	542	195	200	1230	550	160	95	176	1112
Q1500	1400	1250	1665	150	1000	1106	1208	380	95	115	770	660	200	200	1410	700	160	118	228	1345
Q3000	1600	1450	2035	150	1170	1210	1460	435	145	115	940	760	215	215	1610	760	160	118	278	1650
Q4000	1860	1580	2370	200	1340	1375	1555	515	170	140	1050	860	260	260	1740	950	180	150	320	1950
Q6000	2100	2000	2700	250	1530	1580	2400	625	220	140	1250	960	290	280	2160	1200	180	185	390	2050

* RUUT BLOWER reserves the right to change dimensions without notice

PART LIST

1. Blower	9. Anti Vibration Mountings
2. Chassis	10. Motor Tensioning Springs
3. Suction Filter with Silencer	11. V Belt Drive
4. Electric Motor	12. Belt Pulley Guard
5. Pressure Safety Valve	13. Air Ventilation Fan
6. Pressure Indicator	14. Temperature Indicator
7. Non-Return Valve	15. Filter Indicator
8. Spare Outlet	16. Acoustic Cab

APPLICATION AREAS

- ☞ Paper Processing Industries
- ☞ Turnkey Projects
- ☞ Pneumatic Mailing Systems
- ☞ Packing and Transport Facilities
- ☞ Textile Industry
- ☞ Smoke and Fine Dust Discharge Systems
- ☞ Water Treatment Procedure at Treatment Plants
- ☞ Pneumatic Transport of Granular Equipments with Dilute Phase
- ☞ Agricultural Machinery
- ☞ Pool Ventilation in Fish Farms
- ☞ Tobacco Processing Plants
- ☞ Electric and Electronic Industries
- ☞ Bottling Plants
- ☞ Stirring Processes in Galvanic Treatment





APPLICATION AREAS

- ☞ Mining
- ☞ Steel Industry
- ☞ Cooling and Climate Technology
- ☞ Glass Industry
- ☞ Central Dust and Fume Extraction System
- ☞ Mosquito Control
- ☞ Sandblasting Systems
- ☞ Ventilation Systems
- ☞ Central Milking Machines
- ☞ In Truck Mounted Equipment Applications
- ☞ Sewage Trucks
- ☞ Drying Systems
- ☞ Chemical and Process Technology
- ☞ Suction Equipped Lifting Systems

RUUT BLOWER



AREA SALE REPRESENTATIVE

Due to our continuous improvement policy, RUUT BLOWER reserves the right to change data given in this catalogue without an advance notice. For further information please contact with our agencies.