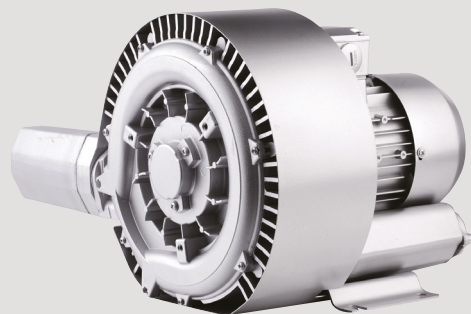
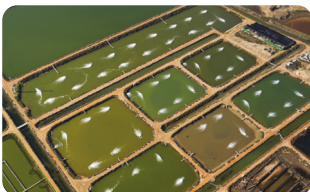


seko

Water & Industry

Side Channel
Blowers 2023








Side Channel Blowers

Vacuum and blast air systems



Product Overview

	Single Impeller	Double Impeller	Triple Impeller
			
Connections	from 1" to 4"	from 1 ¼" to 5"	1 ¼"
Flow Rate	40 – 1,370 m ³ /h	47 – 2,050 m ³ /h	170 m ³ /h
Pressure	70 – 480 mbar	240 – 820 mbar	1050 mbar
Vacuum	-60 – -340 mbar	-200 – -500 mbar	-340 mbar
Motor	Single or 3-Phase	Single or 3-Phase	3-Phase
Noise	46 – 71 dBA	58 – 84 dBA	72 dBA

Side Channel Blowers

SEKO's range of side channel blowers are an effective solution for air displacement in many applications.

Side channel blowers are the first choice in many automation projects for applications that require large volumes of clean, dry air to be moved with low pressures and voids. SEKO's product offering features ease of installation like our other products, with low operating noise levels and low energy consumption.

Side channel compressors and vacuum pumps

Side channel blowers work on the principle that lateral channels can operate both in suction and compression, and are designed to work in continuous service. The impeller is mounted directly on the motor shaft and this, together with a housing specially shaped to form the side channel, provides frictionless operation. SEKO's side channel blowers are constructed of die-cast aluminium, guaranteeing maximum robustness and easy handling. Lubrication is not necessary because there is no contact between static and rotating parts.

The pumped medium is sucked in and compressed which makes it possible to use a side channel blower to generate both a vacuum and blast air.

The rated power of the engine determines the maximum differential pressure of blower. The silencers installed on the sides of the supply and exhaust system ensures quiet operation. Maximum operational reliability, even with high differential is ensured by having the bearings outside the compression chamber.

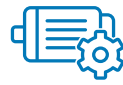


Features & benefits



Performance advantages

The precision machine tool cutting ensures the accuracy and quality of the blower and all products go through a strict mechanical and electrical performance test. By using PROE, UG, CAD and other computer-aided design software and motion simulations, designers can test and validate all features and performance of the devices prior to production commencing.



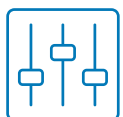
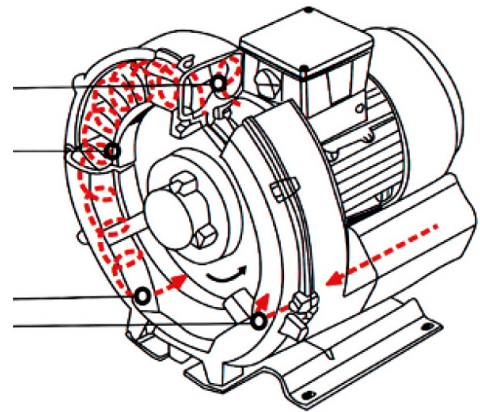
Motor advantages

All SEKO blowers use 2-pole motors with the range including both single-phase and three-phase motors. Dual frequency (50/60Hz) makes the devices usable in many regions of the world, while the design choice of placing the bearing outside of the compression chamber allows them to tolerate high working temperatures and improves the reliability and service life of the blower. The machines are suitable for operation with inverters.

Side channel

Impeller

Outlet
Inlet



Product design advantages

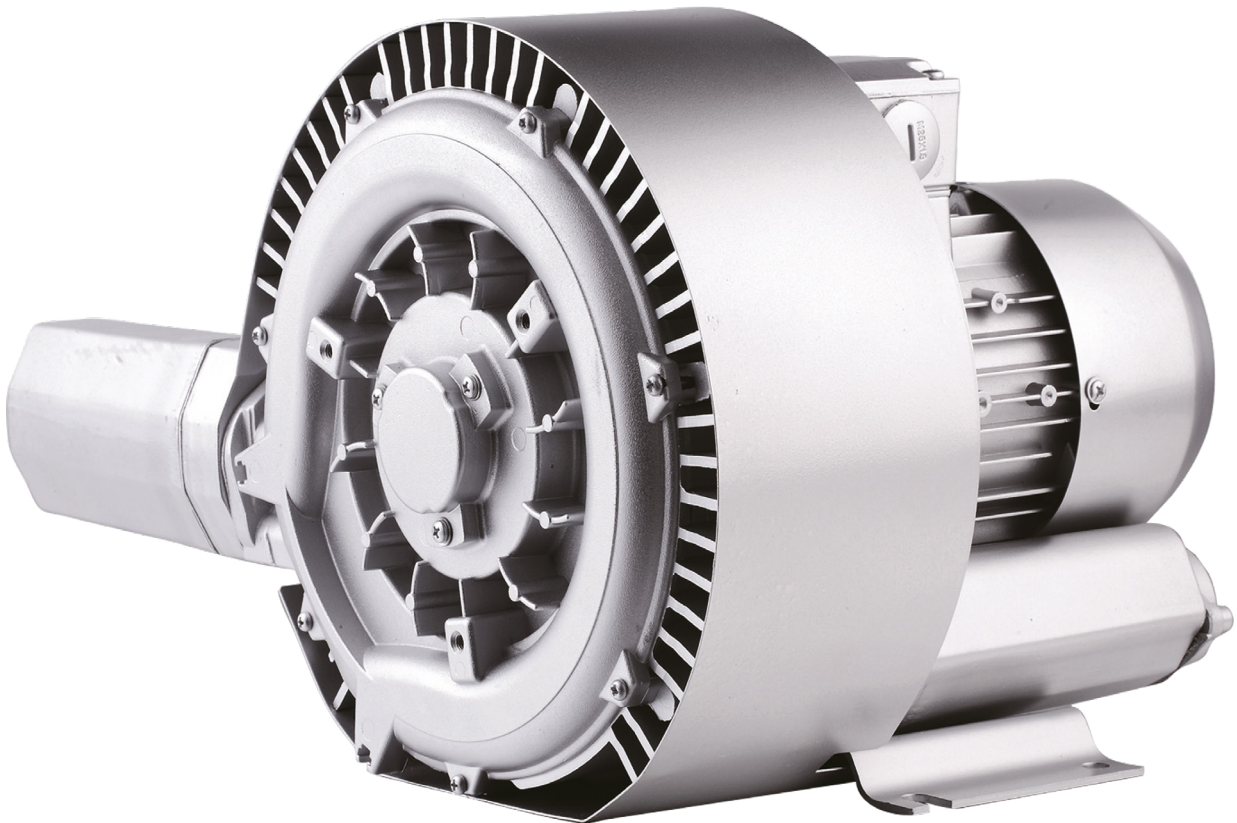
After moulding for die-casting of aluminium alloys, the machining of completed parts and the accurate cutting process guarantee an improvement in terms of precision compared to traditional technologies. The design of the impeller improves the overall performance of the machine, while its IP55 protection and class F electrical insulation make it suitable for hundreds of applications all over the world.

Operating principle

The impellers are mounted directly on the motor shaft for non-contact, frictionless compression. Maximum operational reliability, even at high differential, is ensured by the arrangement of the bearings outside the compression chamber.

The gas is taken in through the inlet. As it enters the side channel, the rotating impeller imparts velocity to the gas in the direction of rotation. Centrifugal force in the impeller blades accelerates the gas outward and pressure increases. Every rotation adds kinetic energy.

This results in the further increase of pressure along the side channel. The side channel narrows at the rotor, sweeping the gas off the impeller blades and discharging it through the outlet silencer where it exits the side channel blower.



Single Impeller

Technical data

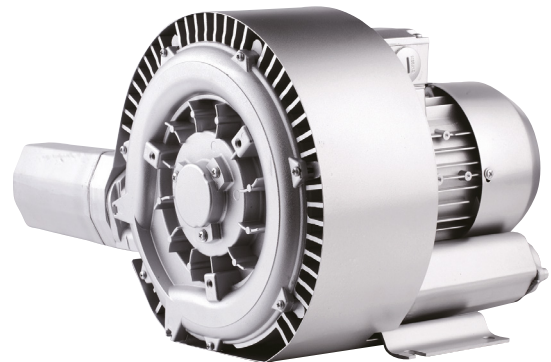
Connection	from 1" to 4"
Flow rate	from 40 to 1,370 m ³ /h
Pressure	from 70 to 480 mbar
Vacuum	from -60 to -340 mbar
Motor	Single or 3-Phase
Noise	from 46 to 71 dB A



Double Impeller

Technical data

Connection	from 1 ¼" to 5"
Flow rate	from 47 to 2,050 m ³ /h
Pressure	from 240 to 820 mbar
Vacuum	from -200 to -500 mbar
Motor	Single or 3-Phase
Noise	from 58 to 84 dB A



Triple Impeller

Technical data

Connection	1 ¼"
Flow rate	170 m ³ /h
Pressure	1,050 mbar
Vacuum	-730 mbar
Motor	3-Phase
Noise	72 dB A



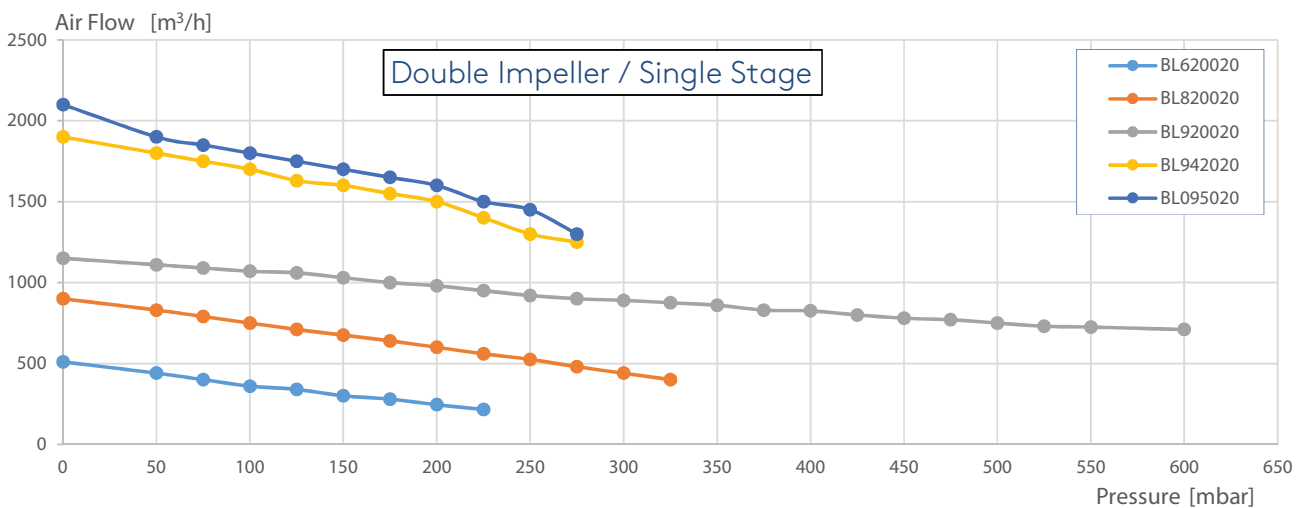
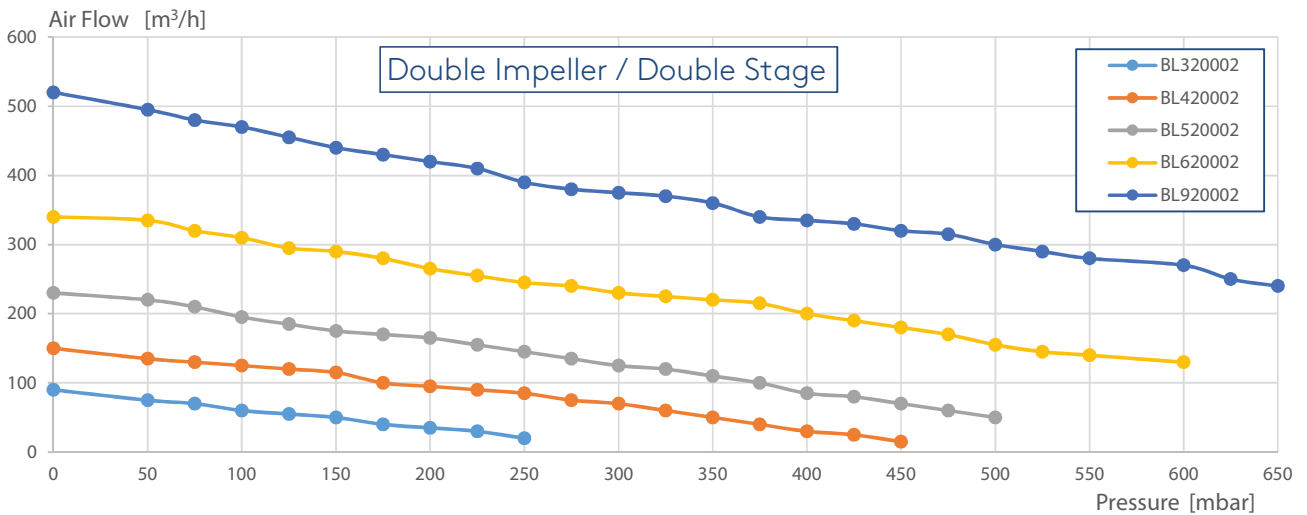
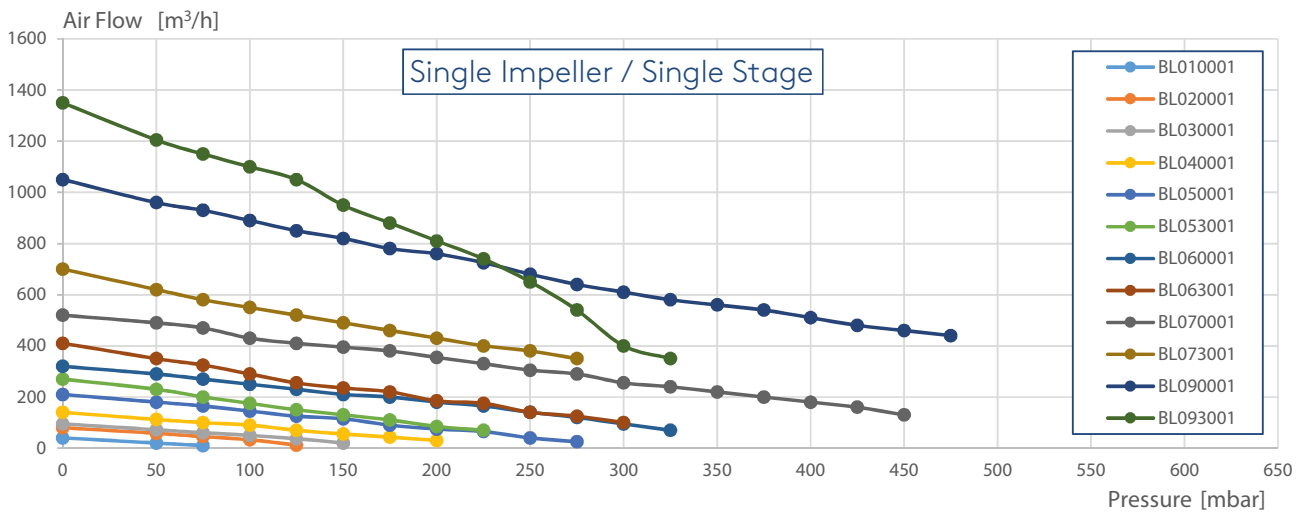
Compressors performance selection at 50 Hz (2,900 rpm)

Single Impeller Single Stage		Pressure (mbar)																				Noise dB (A)						
		0	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500		525	550	600	625	650	
1"	BL010001	kW	0.2	0.2	0.2																					51		
		m ³ /h	40	20	10																							
1 1/4"	BL020001	kW	0.4	0.4	0.4	0.4	0.4																			56		
		m ³ /h	80	58	45	33	12																					
1 1/4"	BL030001	kW	0.55	0.55	0.55	0.55	0.55	0.55																	60			
		m ³ /h	95	72	60	50	37	20																				
1 1/2"	BL040001	kW	0.85	0.85	0.85	0.85	0.85	0.85	1.3	1.3																64		
		m ³ /h	140	112	100	90	70	55	43	30																		
1 1/2"	BL050001	kW	1.3	1.3	1.3	1.3	1.3	1.3	1.5	2.2	2.2	2.2	2.2												70			
		m ³ /h	210	180	165	145	125	115	90	75	65	40	25															
2"	BL053001	kW	1.3	1.3	1.3	1.3	1.3	1.3	2.2	2.2	2.2											71						
		m ³ /h	270	230	200	175	150	130	110	85	70																	
2"	BL060001	kW	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3	3	3	4	4											74		
		m ³ /h	320	290	270	250	230	210	200	180	165	140	120	95	70													
2"	BL063001	kW	3	3	3	3	3	3	3	3	3	3	4	4	4											73		
		m ³ /h	410	350	325	290	255	235	220	185	175	140	125	100														
2 1/2"	BL070001	kW	4	4	4	4	4	4	4	4	5.5	5.5	5.5	5.5	7.5	7.5	7.5	7.5	7.5	7.5								74
		m ³ /h	520	490	470	430	410	395	380	355	330	305	290	255	240	220	200	180	160	130								
2 1/2"	BL073001	kW	4	4	4	4	4	4	5.5	5.5	7.5	7.5	7.5	7.5											74			
		m ³ /h	700	620	580	550	520	490	460	430	400	380	350															
4"	BL090001	kW	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	12.5	12.5	12.5	15	15	15	15	18.5	18.5	18.5	18.5							79
		m ³ /h	1,050	960	930	890	850	820	780	760	725	680	640	610	580	560	540	510	480	460	440							
4"	BL093001	kW	8.5	8.5	8.5	8.5	12.5	12.5	12.5	12.5	18.5	18.5	18.5	18.5											80			
		m ³ /h	1,350	1,205	1,150	1,100	1,050	950	880	810	740	650	540	400	350													

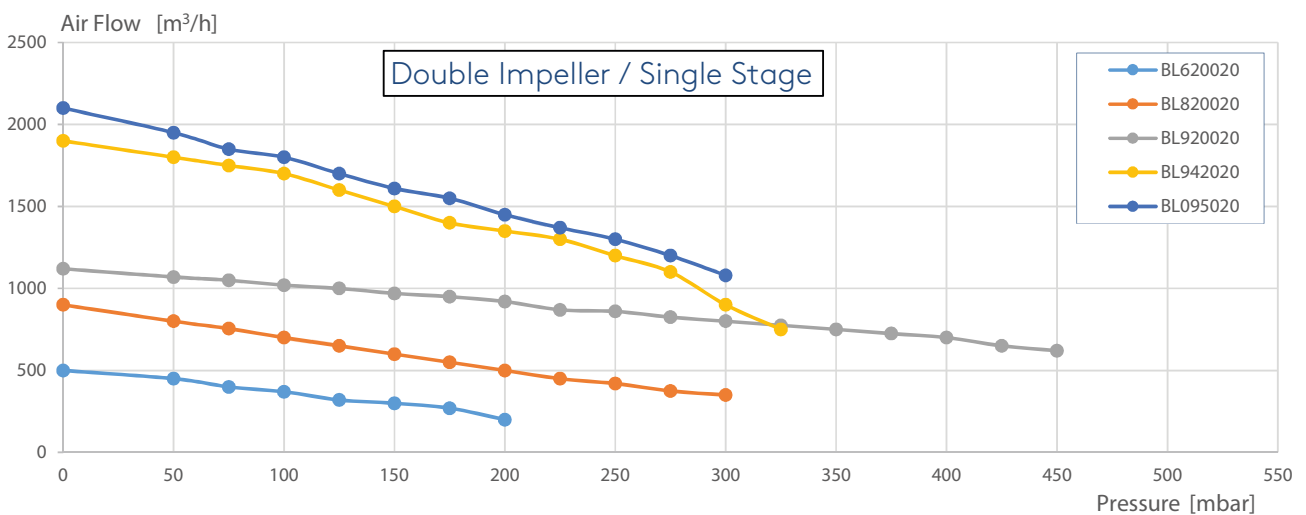
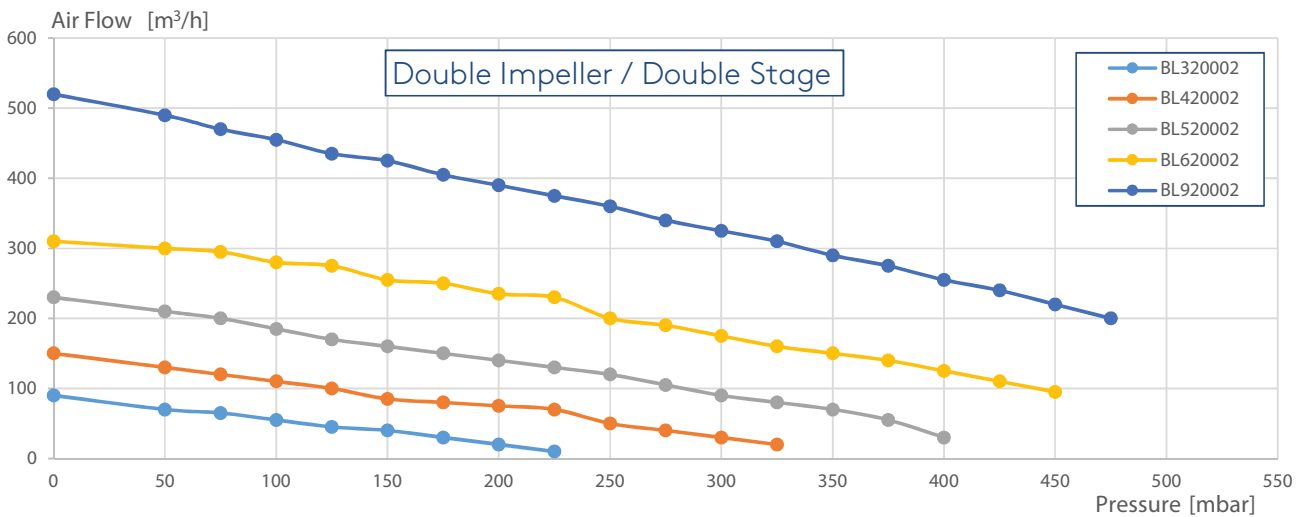
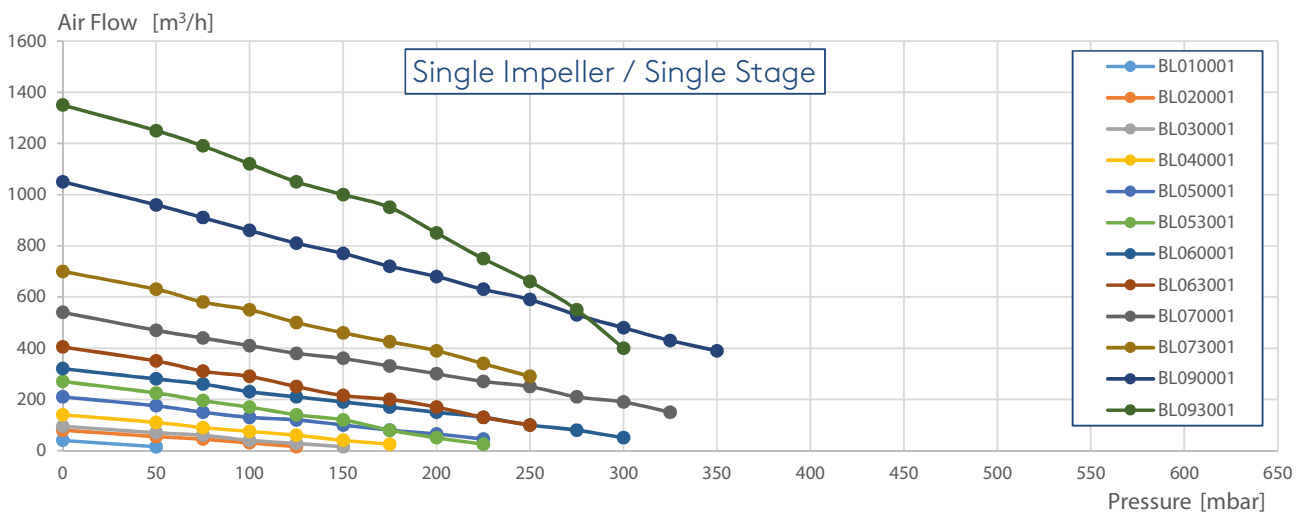
Double Impeller Double Stage		Pressure (mbar)																				Noise dB (A)							
		0	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500		525	550	600	625	650		
1 1/4"	BL320002	kW	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7																61		
		m ³ /h	90	75	70	60	55	50	40	35	30	20																	
1 1/2"	BL420002	kW	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2								69			
		m ³ /h	150	135	130	125	120	115	100	95	90	85	75	70	60	50	40	30	25	15									
2"	BL520002	kW	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4						74		
		m ³ /h	230	220	210	195	185	175	170	165	155	145	135	125	120	110	100	85	80	70	60	50							
2"	BL620002	kW	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5.5	5.5	5.5	5.5	7.5	7.5				76	
		m ³ /h	340	335	320	310	295	290	280	265	255	245	240	230	225	220	215	200	190	180	170	155	145	140	130				
2 1/2"	BL920002	kW	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	11	15	15			78
		m ³ /h	520	495	480	470	455	440	430	420	410	390	380	375	370	360	340	335	330	320	315	300	290	280	270	250	240		

Double Impeller Single Stage		Pressure (mbar)																				Noise dB (A)						
		0	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500		525	550	600	625	650	
2"	BL620020	kW	4	4	4	4	4	4	5.5	5.5	5.5																78	
		m ³ /h	510	440	400	360	340	300	280	245	215																	
2 1/2"	BL820020	kW	7.5	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11													78		
		m ³ /h	900	830	790	750	710	675	640	600	560	525	480	440	400													
4"	BL920020	kW	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	20	20	20	20	20	25	25	25				78
		m ³ /h	1,150	1,110	1,090	1,070	1,060	1,030	1,000	980	950	920	900	890	875	860	830	825	800	780	770	750	730	725	710			
4"	BL942020	kW	15	15	15	15	20	20	20	20	25	25	25														84	
		m ³ /h	1,900	1,800	1,750	1,700	1,630	1,600	1,550	1,500	1,400	1,300	1,250															
5"	BL095020	kW	15	15	15	15	15	15	15	20	20	25	25													84		
		m ³ /h	2,100	1,900	1,850	1,800	1,750	1,700	1,650	1,600	1,500	1,450	1,300															

Compressors performance selection at 50 Hz (2,900 rpm)



Exhausters performance selection at 50 Hz (2,900 rpm)



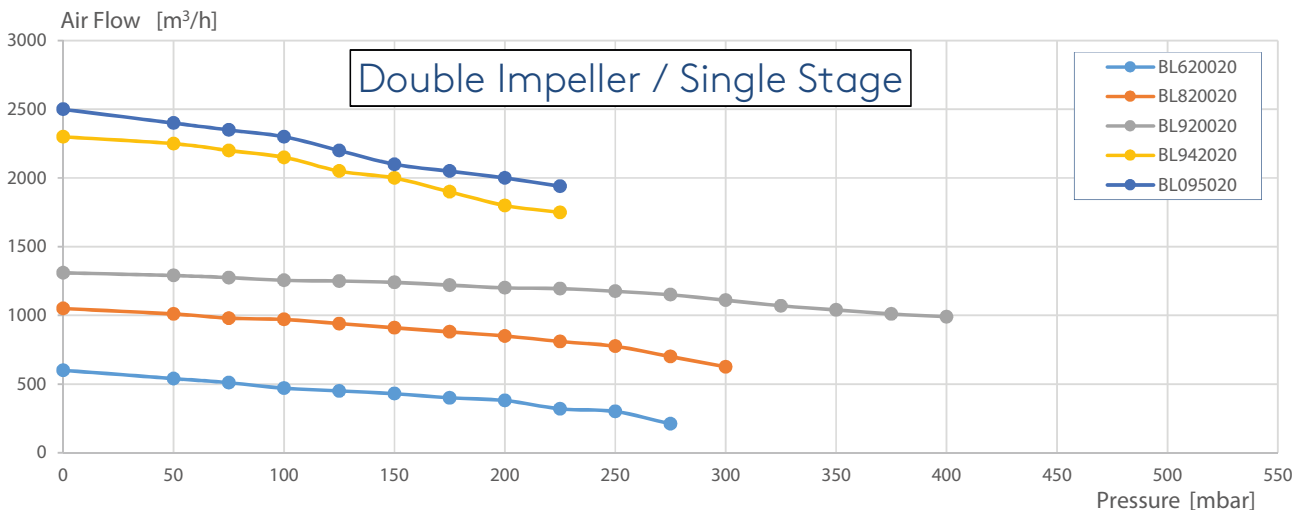
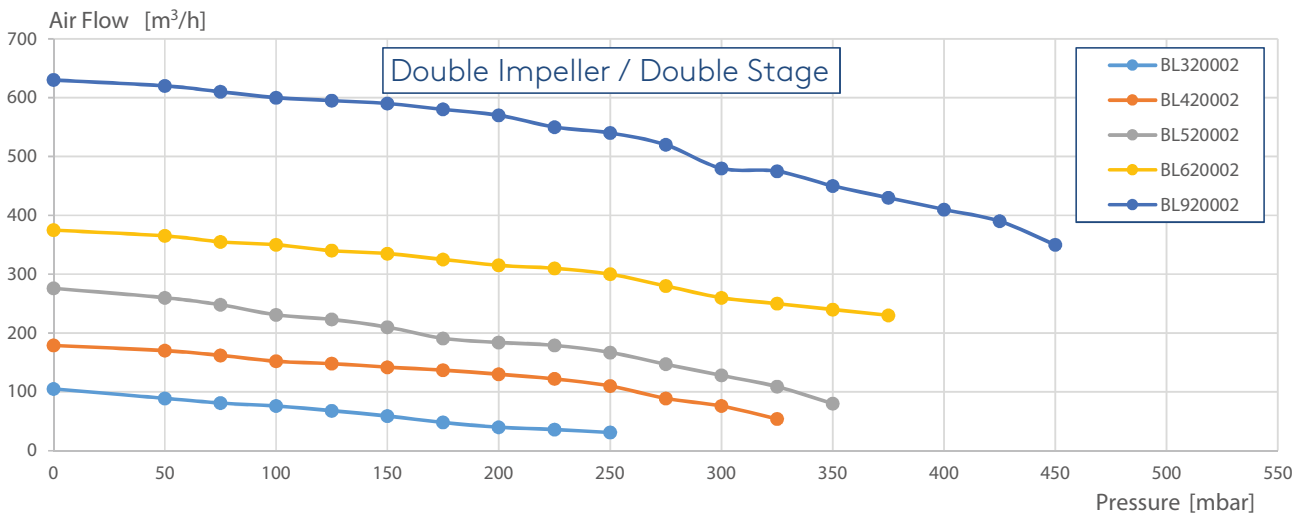
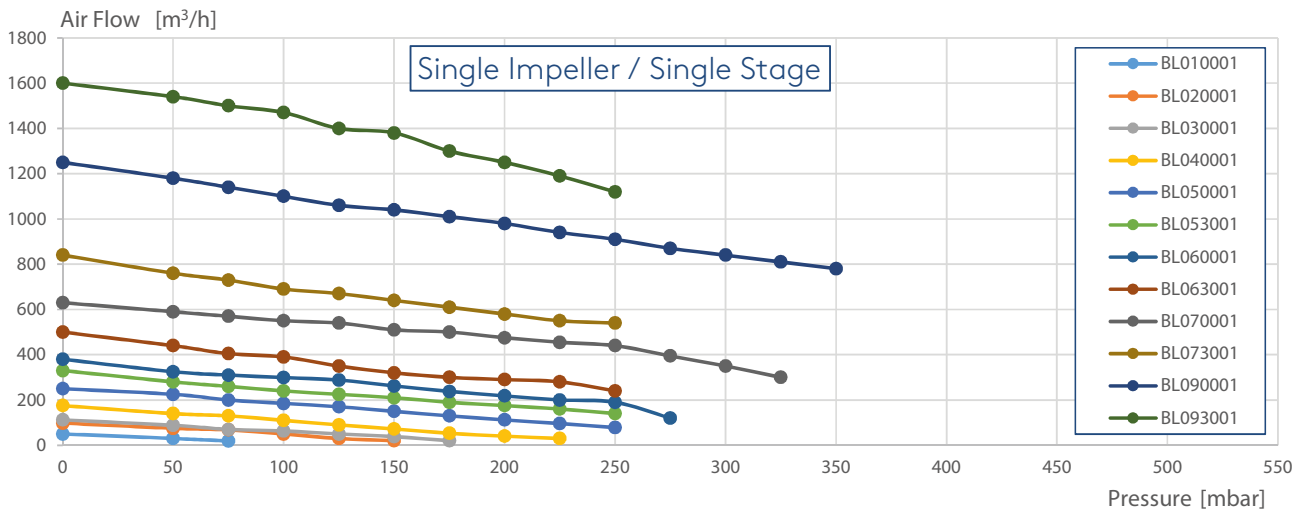
Compressors performance selection at 60 Hz (3,500 rpm)

Single Impeller Single Stage		Pressure (mbar)																			Noise dB (A)						
		0	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475		500	525	550	600	625	650
1"	BL010001	kW	0.23	0.23	0.23																				51		
		m ³ /h	50	30	19																						
1 1/4"	BL020001	kW	0.5	0.5	0.5	0.5	0.5	0.5																	56		
		m ³ /h	98	75	68	50	30	20																			
1 1/4"	BL030001	kW	0.62	0.62	0.62	0.62	0.62	0.62	0.62															60			
		m ³ /h	112	88	70	63	50	38	20																		
1 1/2"	BL040001	kW	0.95	0.95	0.95	0.95	0.95	0.95	1.5	1.5	1.5														64		
		m ³ /h	175	140	130	110	90	72	53	40	30																
2"	BL050001	kW	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.75	2.55	2.55													70		
		m ³ /h	250	225	200	185	170	150	130	112	96	78															
2"	BL053001	kW	2.05	2.05	2.05	2.05	2.05	2.05	2.55	2.55	2.55	2.55												71			
		m ³ /h	330	280	260	240	225	210	190	175	160	140															
2"	BL060001	kW	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	3.45	3.45	4.5												74		
		m ³ /h	380	325	310	299	288	262	238	218	200	190	120														
2"	BL063001	kW	3.45	3.45	3.45	3.45	3.45	3.45	3.45	4.6	4.6	4.6												73			
		m ³ /h	500	440	405	390	350	320	300	290	280	240															
2 1/2"	BL070001	kW	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.3	6.3	6.3	8.6	8.6	8.6											74	
		m ³ /h	630	590	570	550	540	510	500	475	455	440	395	350	300												
2 1/2"	BL073001	kW	4.6	4.6	4.6	6.3	6.3	6.3	6.3	8.6	8.6	8.6												74			
		m ³ /h	840	760	730	690	670	640	610	580	550	540															
4"	BL090001	kW	9.8	9.8	9.8	9.8	9.8	9.8	9.8	14.5	14.5	14.5	17.5	17.5	17.5	21.3											79
		m ³ /h	1,250	1,180	1,140	1,100	1,060	1,040	1,010	980	940	910	870	840	810	780											
4"	BL093001	kW	9.8	9.8	14.5	14.5	14.5	14.5	21.3	21.3	21.3	21.3														80	
		m ³ /h	1,600	1,540	1,500	1,470	1,400	1,380	1,300	1,250	1,190	1,120															

Double Impeller Double Stage		Pressure (mbar)																			Noise dB (A)						
		0	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475		500	525	550	600	625	650
1 1/4"	BL320002	kW	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83															61	
		m ³ /h	105	89	81	76	68	59	48	40	36	31															
1 1/2"	BL420002	kW	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.55	2.55												69	
		m ³ /h	179	170	162	152	148	142	137	130	122	110	89	76	54												
2"	BL520002	kW	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	4.6	4.6												74
		m ³ /h	276	260	248	231	223	210	191	184	179	167	147	128	109	80											
2"	BL620002	kW	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.3	6.3	6.3											76
		m ³ /h	375	365	355	350	340	335	325	315	310	300	280	260	250	240	230										
2 1/2"	BL920002	kW	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	12.6	12.6	12.6	12.6	12.6	17.3								78
		m ³ /h	630	620	610	600	595	590	580	570	550	540	520	480	475	450	430	410	390	350							

Double Impeller Single Stage		Pressure (mbar)																			Noise dB (A)							
		0	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475		500	525	550	600	625	650	
2"	BL620020	kW	4.6	4.6	4.6	6.3	6.3	6.3	6.3	6.3	6.3	6.3														78		
		m ³ /h	600	540	510	470	450	430	400	380	320	300	210															
2 1/2"	BL820020	kW	8.6	8.6	8.6	8.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6												78			
		m ³ /h	1,050	1,010	980	970	940	910	880	850	810	775	700	625														
4"	BL920020	kW	19	19	19	19	19	19	19	19	19	19	23	23	29	29	29											78
		m ³ /h	1,310	1,290	1,275	1,255	1,250	1,240	1,220	1,200	1,195	1,175	1,150	1,110	1,070	1,040	1,010	990										
4"	BL942020	kW	17.5	17.5	23	23	23	29	29	29	29														84			
		m ³ /h	2,300	2,250	2,200	2,150	2,050	2,000	1,900	1,800	1,750																	
5"	BL095020	kW	17.5	17.5	17.5	17.5	17.5	23	23	29	29														84			
		m ³ /h	2,500	2,400	2,350	2,300	2,200	2,100	2,050	2,000	1,940																	

Compressors performance selection at 60 Hz (3,500 rpm)



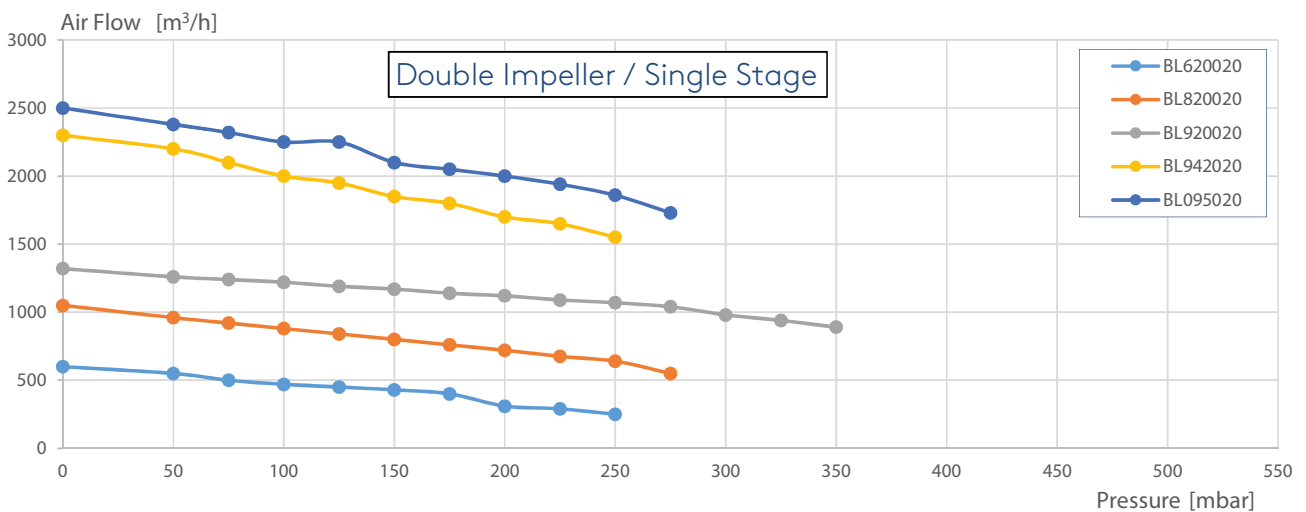
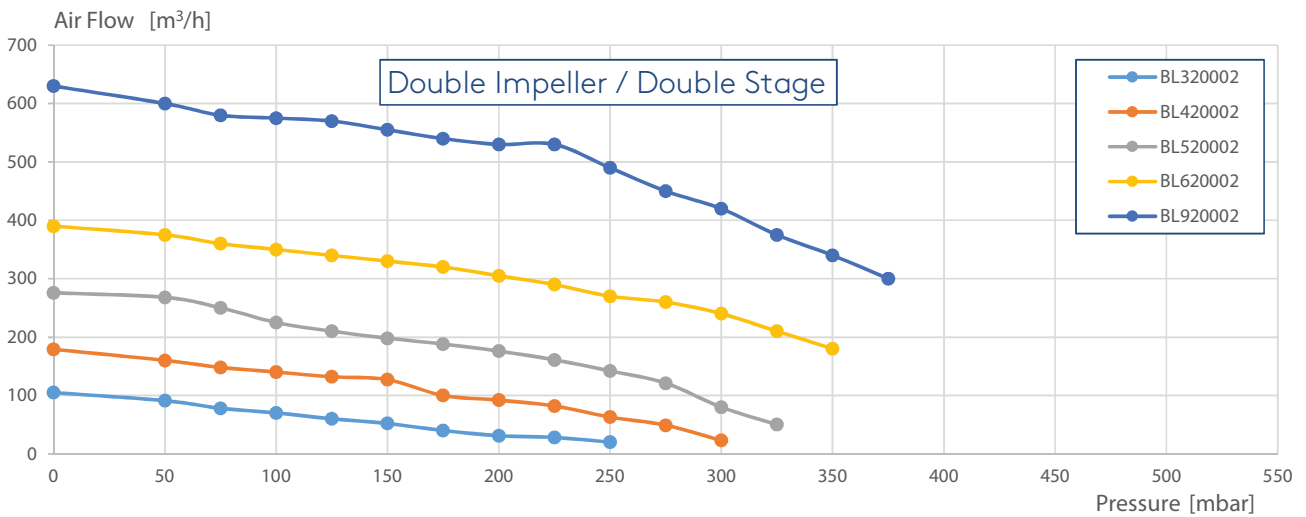
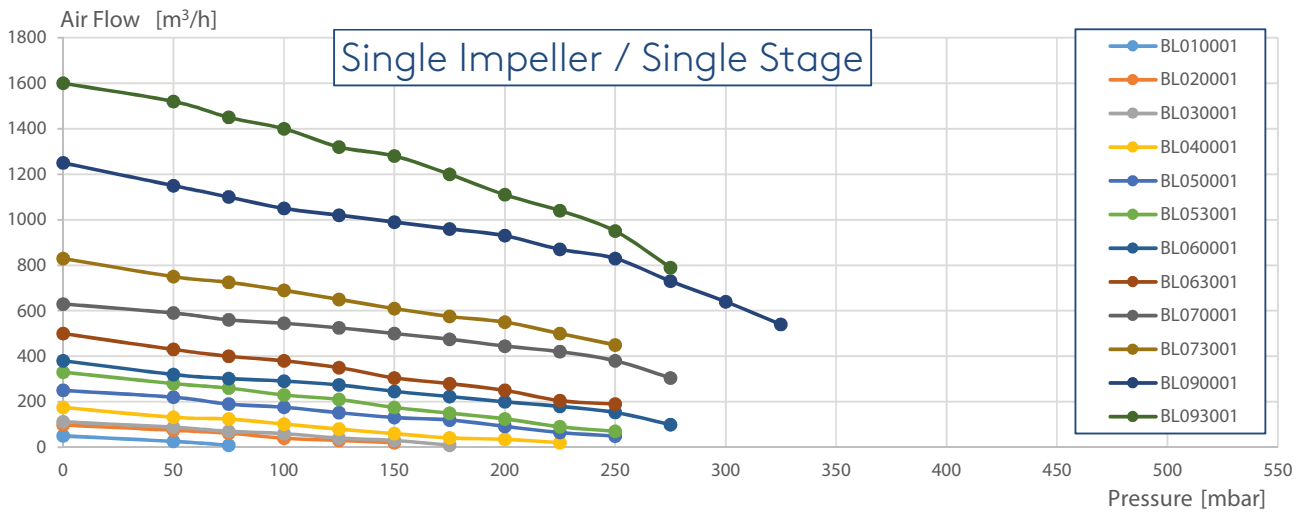
Exhausters performance selection at 60 Hz (3,500 rpm)

Single Impeller Single Stage		Pressure (mbar)																		Noise dB (A)							
		0	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450		475	500	525	550	600	625	650
1"	BL010001	kW	0.23	0.23	0.23																			51			
		m ³ /h	50	26	9																						
1 1/4"	BL020001	kW	0.5	0.5	0.5	0.5	0.5	0.5																	56		
		m ³ /h	98	75	62	40	30	20																			
1 1/4"	BL030001	kW	0.62	0.62	0.62	0.62	0.62	0.62	0.62															60			
		m ³ /h	112	88	70	60	40	30	9																		
1 1/2"	BL040001	kW	0.95	0.95	0.95	0.95	0.95	0.95	1.5	1.5	1.5												64				
		m ³ /h	175	132	124	102	80	60	41	35	20																
2"	BL050001	kW	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.75	2.55	2.55												70			
		m ³ /h	250	220	190	176	152	131	120	92	65	49															
2"	BL053001	kW	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.55	2.55	2.55												71			
		m ³ /h	330	280	260	230	210	175	150	125	90	70															
2"	BL060001	kW	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	3.45	3.45	4.6												74		
		m ³ /h	380	320	302	291	274	246	223	200	180	153	100														
2"	BL063001	kW	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	4.6	4.6												73			
		m ³ /h	500	430	400	380	350	305	280	250	205	190															
2 1/2"	BL070001	kW	4.6	4.6	4.6	4.6	4.6	4.6	6.3	6.3	6.3	6.3	8.6												74		
		m ³ /h	630	590	560	545	525	500	475	445	420	380	305														
2 1/2"	BL073001	kW	4.6	4.6	4.6	6.3	6.3	6.3	6.3	8.6	8.6	8.6												74			
		m ³ /h	830	750	725	690	650	610	575	550	500	450															
4"	BL090001	kW	9.8	9.8	9.8	9.8	9.8	9.8	9.8	14.5	14.5	14.5	17.5	17.5	21.3												79
		m ³ /h	1,250	1,150	1,100	1,050	1,020	990	960	930	870	830	730	640	540												
4"	BL093001	kW	9.8	9.8	9.8	14.5	14.5	14.5	14.5	21.3	21.3	21.3	21.3												80		
		m ³ /h	1,600	1,520	1,450	1,400	1,320	1,280	1,200	1,110	1,040	950	790														

Double Impeller Double Stage		Pressure (mbar)																		Noise dB (A)							
		0	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450		475	500	525	550	600	625	650
1 1/4"	BL320002	kW	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83															61	
		m ³ /h	105	91	78	70	60	52	40	31	28	20															
1 1/2"	BL420002	kW	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.55												69		
		m ³ /h	179	160	148	140	132	127	100	92	82	63	49	23													
2"	BL520002	kW	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	4.6												74		
		m ³ /h	276	268	250	225	210	198	188	176	161	142	121	80	50												
2"	BL620002	kW	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.3												76	
		m ³ /h	390	375	360	350	340	330	320	305	290	270	260	240	210	180											
2 1/2"	BL920002	kW	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	12.6	12.6	17.3												78
		m ³ /h	630	600	580	575	570	555	540	530	530	490	450	420	375	340	300										

Double Impeller Single Stage		Pressure (mbar)																		Noise dB (A)						
		0	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450		475	500	525	550	600	625
2"	BL620020	kW	4.6	4.6	4.6	4.6	4.6	6.3	6.3	6.3	6.3															78
		m ³ /h	600	550	500	470	450	430	400	310	290	250														
2 1/2"	BL820020	kW	8.6	8.6	8.6	8.6	8.6	12.6	12.6	12.6	12.6															78
		m ³ /h	1,050	960	920	880	840	800	760	720	675	640	550													
4"	BL920020	kW	19	19	19	19	19	19	19	19	19	23	23	29												78
		m ³ /h	1,320	1,260	1,240	1,220	1,190	1,170	1,140	1,120	1,090	1,070	1,040	980	940	890										
4"	BL942020	kW	17.5	17.5	17.5	17.5	17.5	23	23	23	23	29												84		
		m ³ /h	2,300	2,200	2,100	2,000	1,950	1,850	1,800	1,700	1,650	1,550														
5"	BL095020	kW	17.5	17.5	17.5	17.5	17.5	23	23	23	29	29	29												84	
		m ³ /h	2,500	2,380	2,320	2,250	2,250	2,100	2,050	2,000	1,940	1,860	1,730													

Exhausters performance selection at 60 Hz (3,500 rpm)



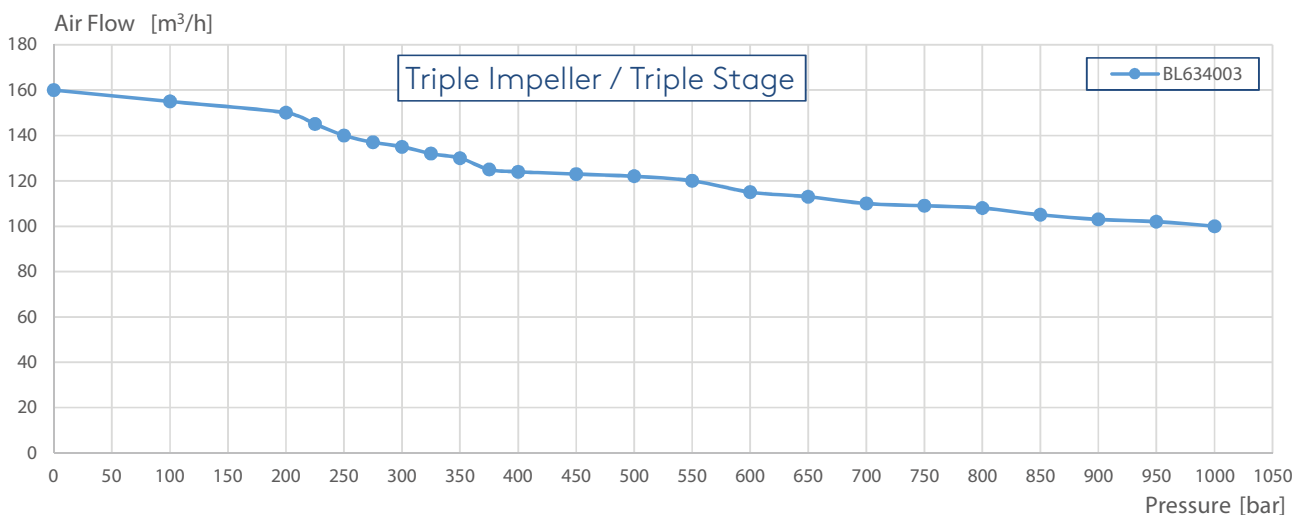
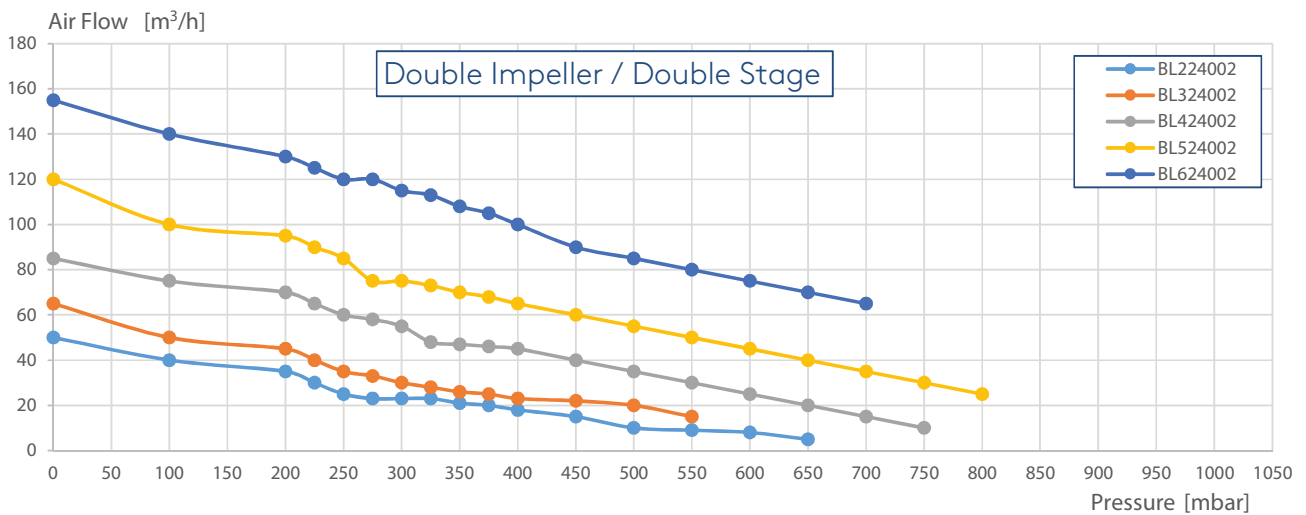
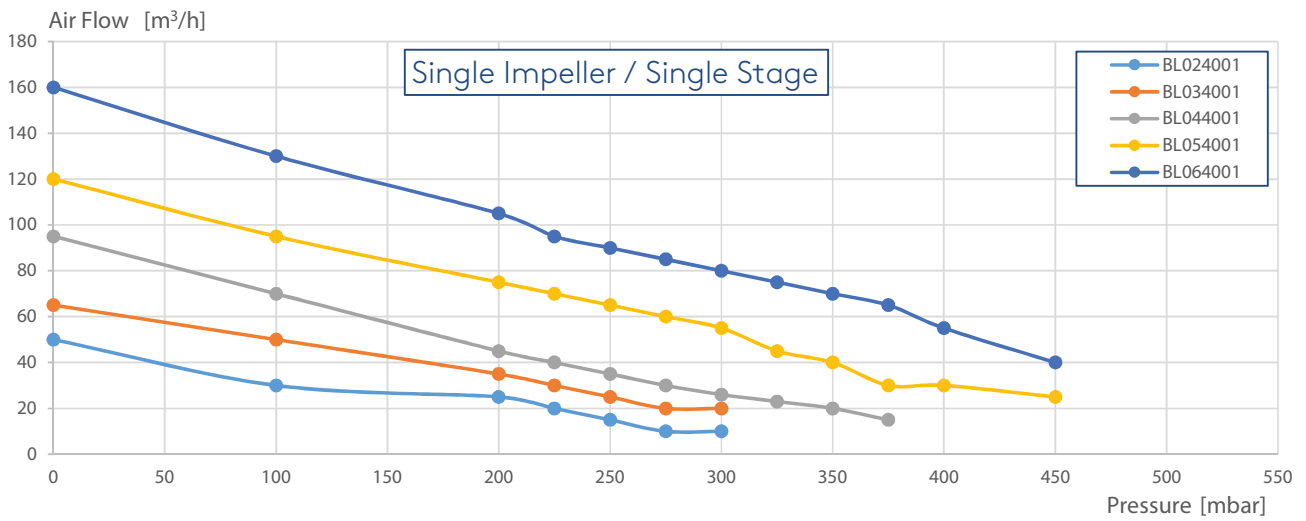
Compressors HP performance selection at 50 Hz (2,900 rpm)

Single Impeller Single Stage		Pressure (mbar)																			Noise dB (A)						
		0	100	200	225	250	275	300	325	350	375	400	450	500	550	600	650	700	750	800		850	900	950	1,000	1,050	1,100
BL024001	kW	0.55	0.55	0.55	0.55	0.55	0.55	0.55																			
	m ³ /h	50	30	25	20	15	10	10																			
BL034001	kW	0.55	0.55	0.55	0.55	0.55	0.81	0.81																			
	m ³ /h	65	50	35	30	25	20	20																			
1 1/4" BL034001	kW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1																	
	m ³ /h	95	70	45	40	35	30	26	23	20	15																
BL054001	kW	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2															
	m ³ /h	120	95	75	70	65	60	55	45	40	30	30	25														
BL064001	kW	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3														
	m ³ /h	160	130	105	95	90	85	80	75	70	65	55	40														

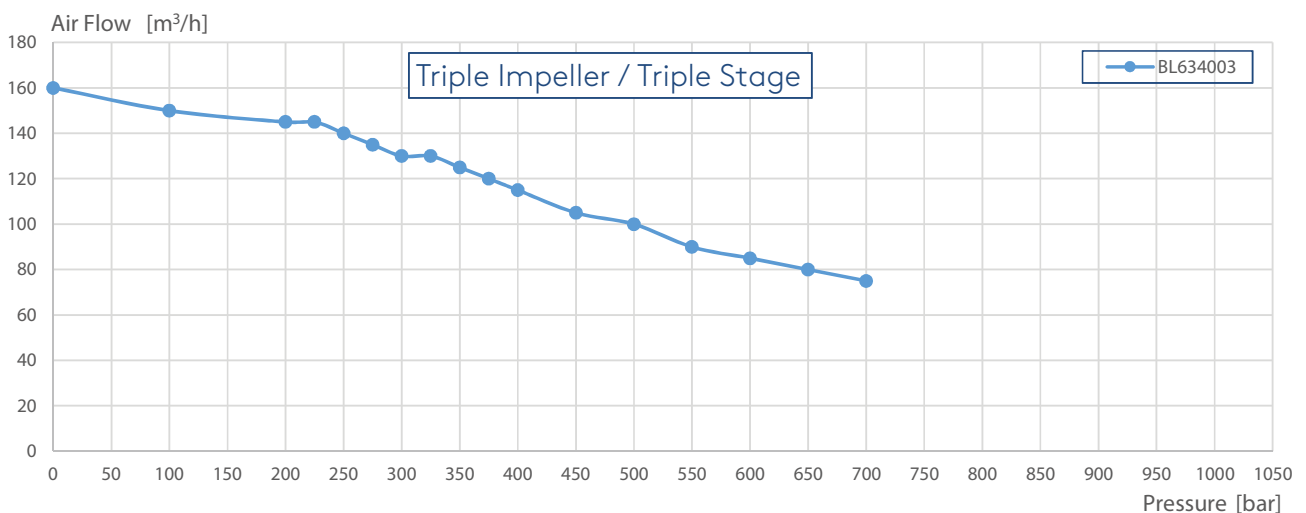
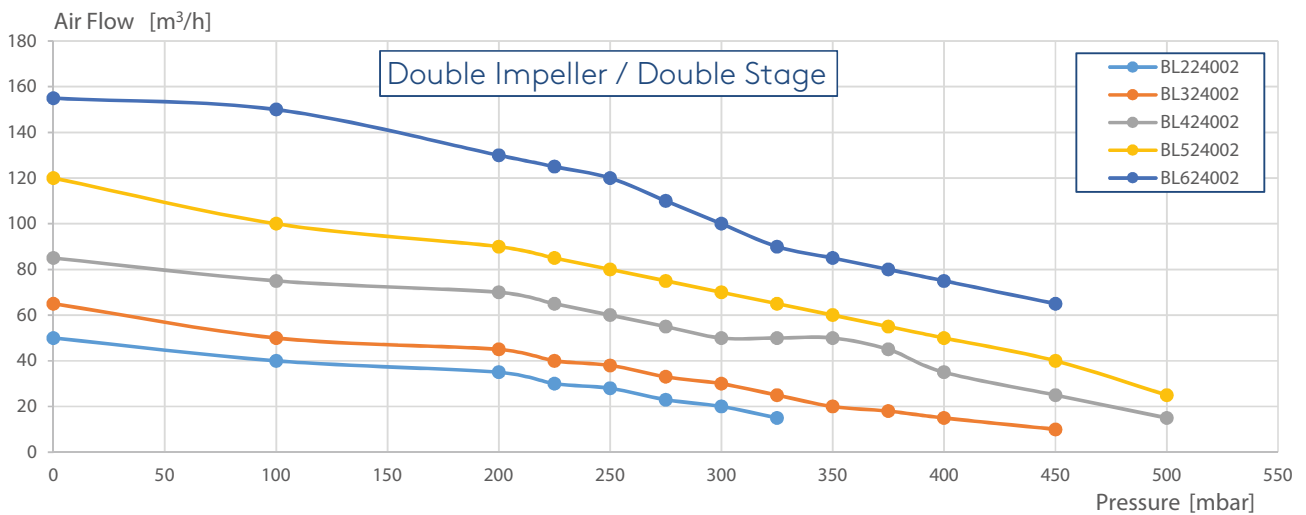
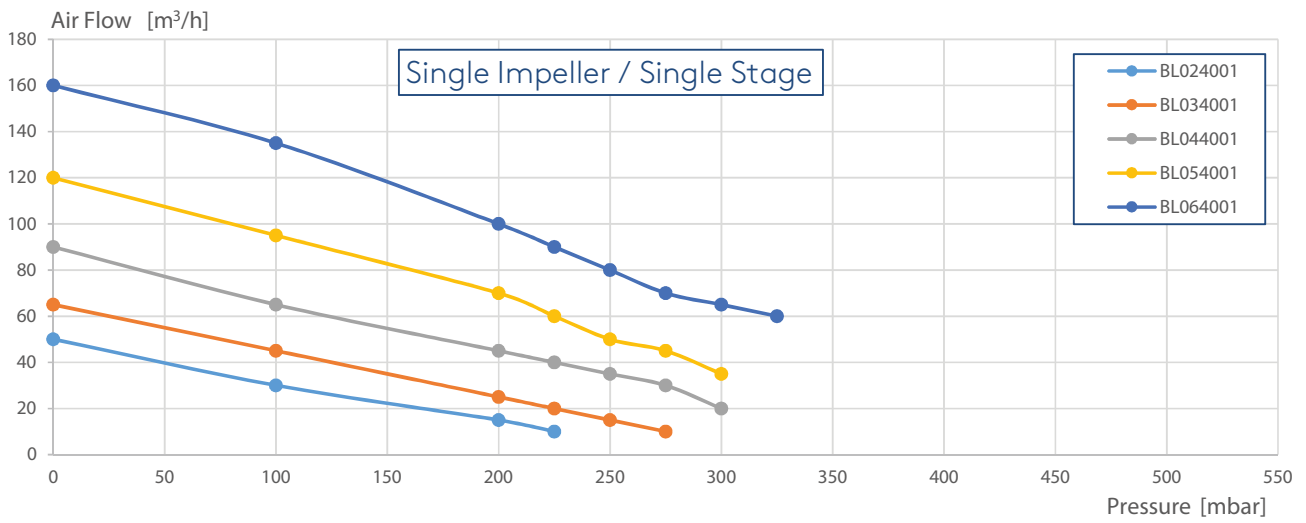
Double Impeller Double Stage		Pressure (mbar)																			Noise dB (A)						
		0	100	200	225	250	275	300	325	350	375	400	450	500	550	600	650	700	750	800		850	900	950	1,000	1,050	1,100
BL224002	kW	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	1.6	1.6	1.6	1.6	1.6										
	m ³ /h	50	40	35	30	25	23	23	23	21	20	18	15	10	9	8	5										
BL324002	kW	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6													
	m ³ /h	65	50	45	40	35	33	30	28	26	25	23	22	20	15												
1 1/4" BL424002	kW	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3	3.3	3.3									
	m ³ /h	85	75	70	65	60	58	55	48	47	46	45	40	35	30	25	20	15	10								
BL524002	kW	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3								
	m ³ /h	120	100	95	90	85	75	75	73	70	68	65	60	55	50	45	40	35	30	25							
BL624002	kW	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	5.5	5.5	5.5									
	m ³ /h	155	140	130	125	120	120	115	113	108	105	100	90	85	80	75	70	65									

Triple Impeller Triple Stage		Pressure (mbar)																			Noise dB (A)						
		0	100	200	225	250	275	300	325	350	375	400	450	500	550	600	650	700	750	800		850	900	950	1,000	1,050	1,100
1 1/4" BL634003	kW	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	m ³ /h	160	155	150	145	140	137	135	132	130	125	124	123	122	120	115	113	110	109	108	105	103	102	100			

Compressors HP performance selection at 50 Hz (2,900 rpm)



Exhausters HP performance selection at 50 Hz (2,900 rpm)



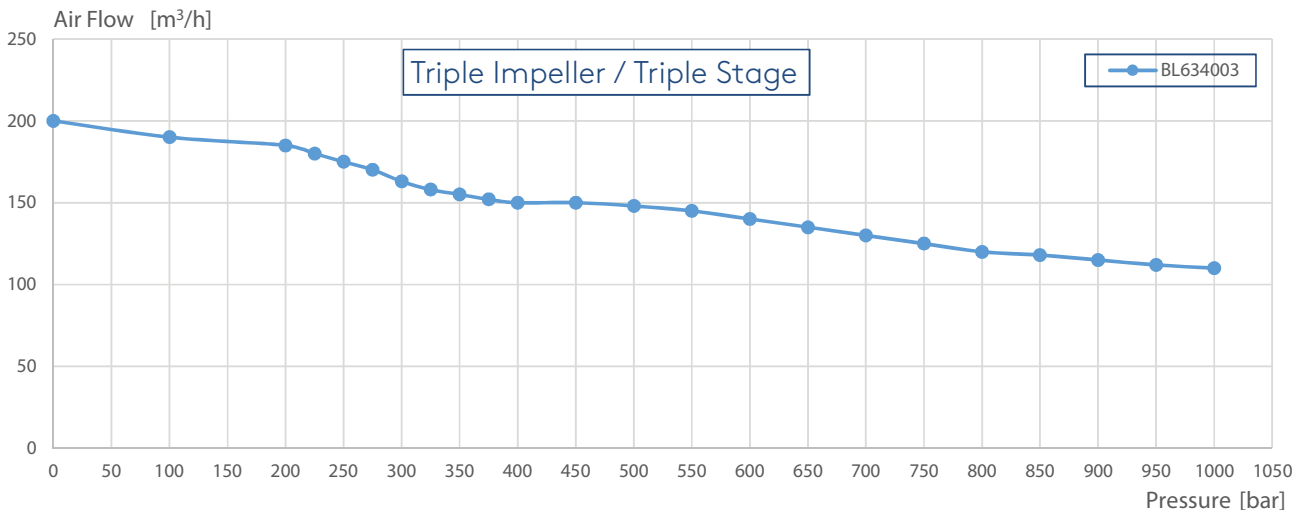
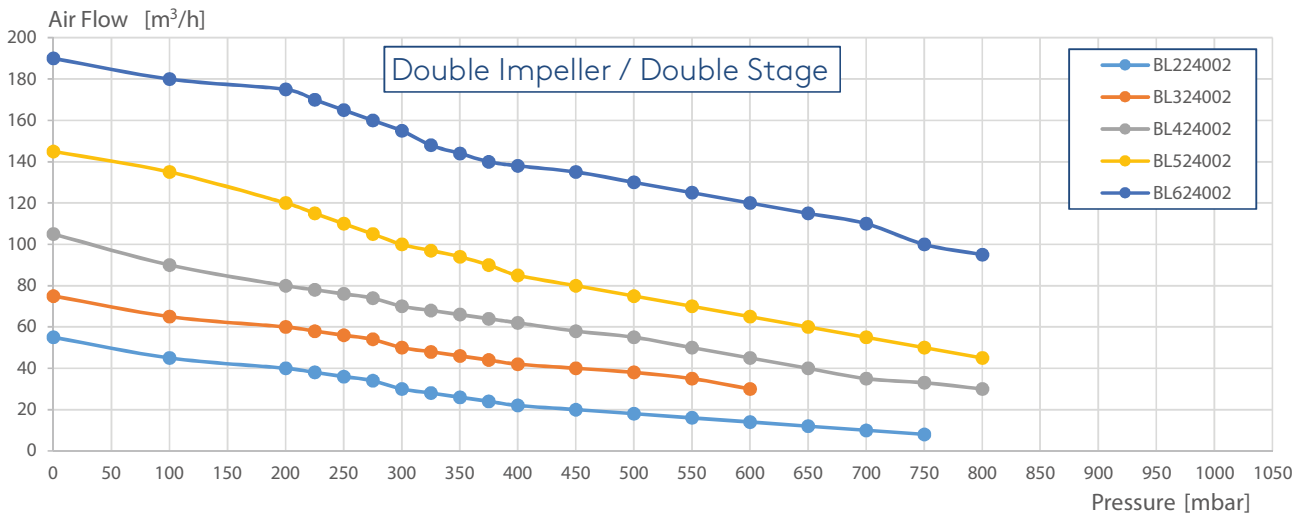
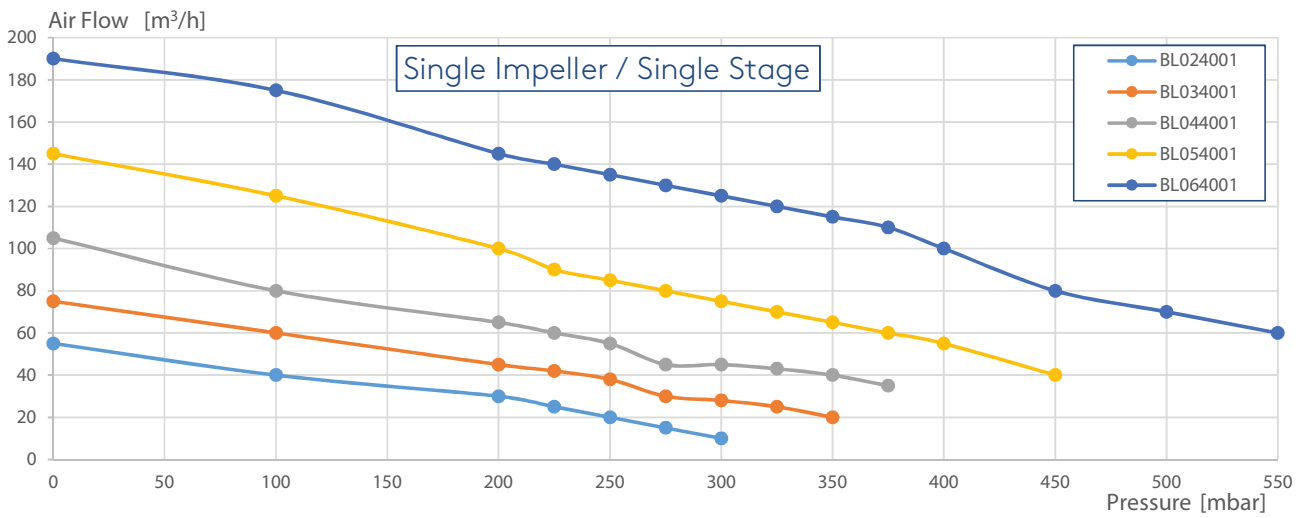
Compressors HP performance selection at 60 Hz (3,500 rpm)

Single Impeller Single Stage		Pressure (mbar)																				Noise dB (A)					
		0	100	200	225	250	275	300	325	350	375	400	450	500	550	600	650	700	750	800	850		900	950	1,000	1,050	1,100
BL024001	kW	0.63	0.63	0.63	0.63	0.63	0.63	0.63																			
	m ³ /h	55	40	30	25	20	15	10																			
BL034001	kW	0.63	0.63	0.63	0.63	0.63	0.94	0.94	0.94	0.94																	
	m ³ /h	75	60	45	42	38	30	28	25	20																	
1 1/4" BL044001	kW	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3																	
	m ³ /h	105	80	65	60	55	45	45	43	40	35																
BL054001	kW	1.75	1.75	1.75	1.75	1.75	1.75	2.05	2.05	2.05	2.05	2.05	2.05														
	m ³ /h	145	125	100	90	85	80	75	70	65	60	55	40														
BL064001	kW	2.55	2.55	2.55	2.55	2.55	2.55	2.55	3.8	3.8	3.8	3.8	3.8	3.8	3.8												
	m ³ /h	190	175	145	140	135	130	125	120	115	110	100	80	70	60												

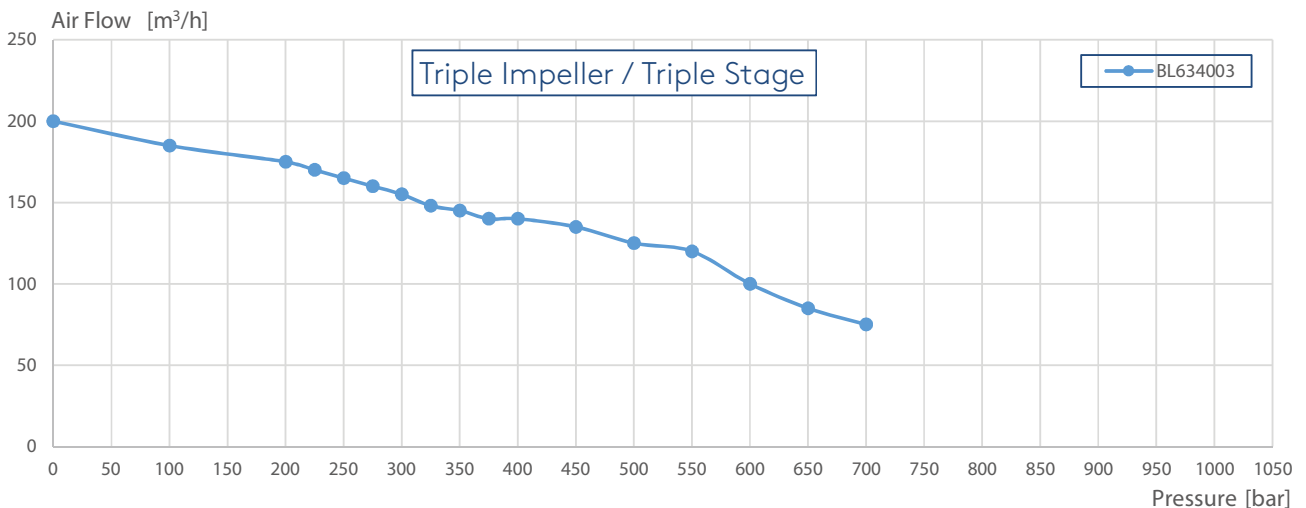
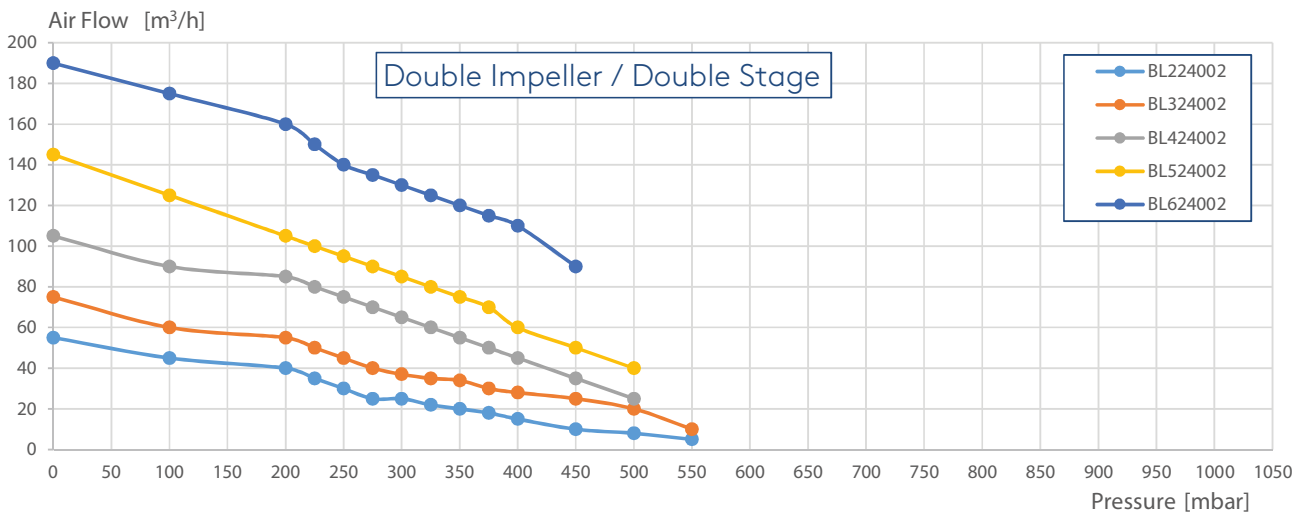
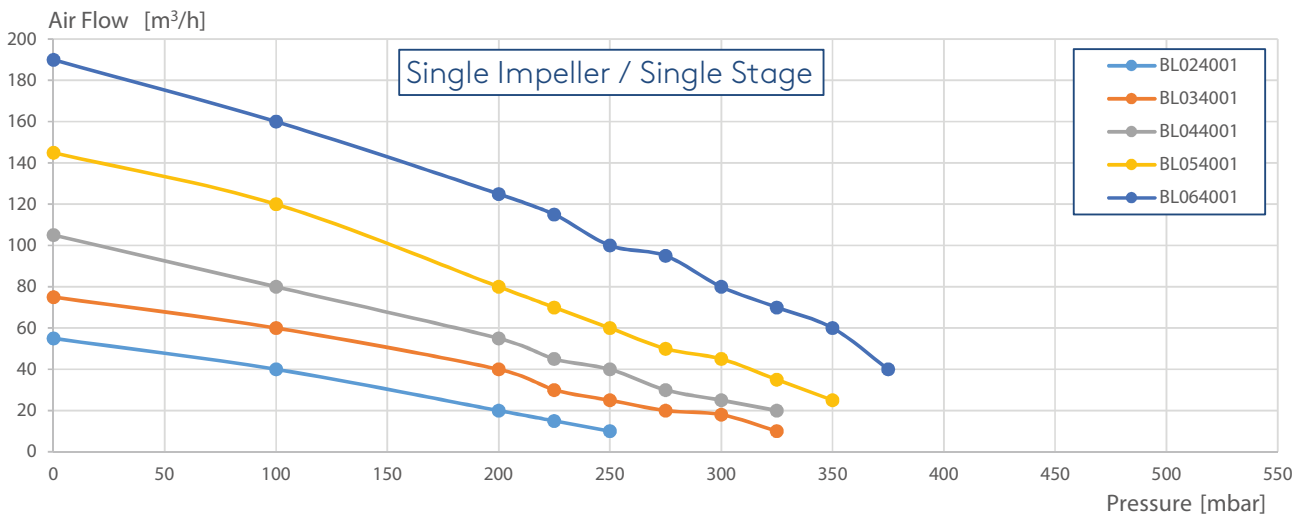
Double Impeller Double Stage		Pressure (mbar)																				Noise dB (A)					
		0	100	200	225	250	275	300	325	350	375	400	450	500	550	600	650	700	750	800	850		900	950	1,000	1,050	1,100
BL224002	kW	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	2.05	2.05	2.05	2.05	2.05	2.05								
	m ³ /h	55	45	40	38	36	34	30	28	26	24	22	20	18	16	14	12	10	8								
BL324002	kW	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.05	2.05	2.05											
	m ³ /h	75	65	60	58	56	54	50	48	46	44	42	40	38	35	30											
1 1/4" BL424002	kW	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	3.8	3.8	3.8	3.8	3.8	3.8	3.8								
	m ³ /h	105	90	80	78	76	74	70	68	66	64	62	58	55	50	45	40	35	33	30							
BL524002	kW	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8							
	m ³ /h	145	135	120	115	110	105	100	97	94	90	85	80	75	70	65	60	55	50	45							
BL624002	kW	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3							
	m ³ /h	190	180	175	170	165	160	155	148	144	140	138	135	130	125	120	115	110	100	95							

Triple Impeller Triple Stage		Pressure (mbar)																				Noise dB (A)					
		0	100	200	225	250	275	300	325	350	375	400	450	500	550	600	650	700	750	800	850		900	950	1,000	1,050	1,100
1 1/4" BL634003	kW	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
	m ³ /h	200	190	185	180	175	170	163	158	155	152	150	150	148	145	140	135	130	125	120	118	115	112	110			

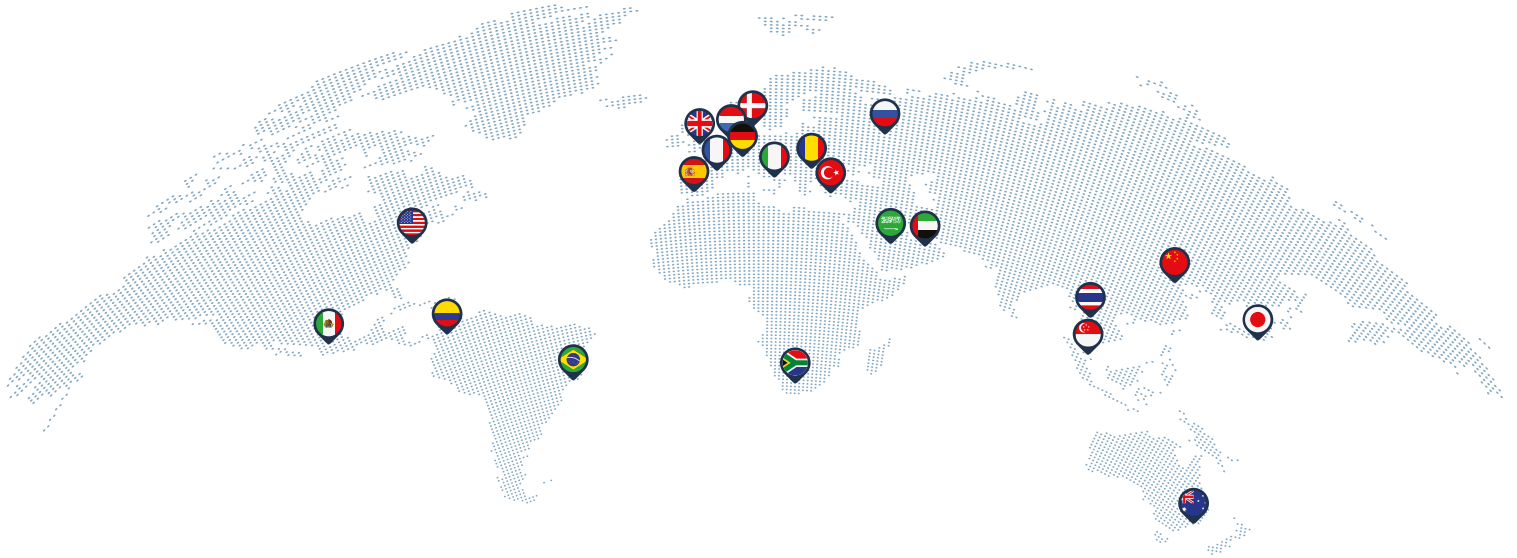
Compressors HP performance selection at 60 Hz (3,500 rpm)



Exhausters HP performance selection at 60 Hz (3,500 rpm)



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