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STAINLESS STEEL MULTISTAGE PUMP

About Us

Our Management Team

Vossche was founded by Mr. Vossche Alton, who was born in Germany, but migrated to the USA in 1984 to set up his pump manufacturing business. From the rudiments of a small company, over 30 years ago, Vossche now boasts seven operational divisions each headed by a dedicated and highly qualified managing director. These divisions are:

- Product Planning
- Research and Design
- Product and Operations
- Sales and Marketing
- Logistics and Warehousing
- Export Sales
- Technical Support

Through these able teams, we have provided and continue to offer stellar quality products and services to consumers throughout the world including North America, South America, Europe, Africa, Asia and Australia.

Our Company

Vossche headquarter is located in Texas USA, where we have a factory that covers an area larger than 140,000 square meters. Of these, 120,000 square meters cover building space, and our net capital is registered at USD 160 million. We have an average of 1,855 employees worldwide.

We produce over 2 million pump sets every year under 12 major categories with more than 2,000 specific models for power ranges 0.5kW - 200 kW. Our range of products can service needs in various industries including refrigeration, mining, metallurgy, domestic water supply, agricultural irrigation, municipal services, groundwater applications, water lifting, sewage water or clean water disposal systems, building and industrial water supply, heating and ventilation, spa baths and swimming pools, among many more.

Vossche Pump Group

Together with our subsidiaries in strategic locations as well as affiliated distributors worldwide, Vossche believes in delivery of quality products for our consumers. As such, all our products undergo comprehensive production and operational testing to ensure that they adhere to the high standards we have set for ourselves. This is why our consumers trust us to deliver the best pumps in the market and are continuously satisfied with our outputs. In addition, we dedicate a huge amount of time and resources towards research, development and innovation to discover new and better models, applications and methods of production to continue adding value for clients.





BL(T)/BW/BWJ(T)

Light-type Stainless Steel Multistage Pump



BL(T)

Light-type Stainless Steel Vertical Multistage Centrifugal Pump

Product Introduction

Light-type stainless steel vertical multistage centrifugal pumps such as BL(T)2, BL(T)4, BL(T)8, BL(T)16, BL(T)20, BL(T)32, BL(T)45, series are non-self priming pumps absorbing the advanced technology from home and abroad. They adopt standard vertical motor and alloy mechanical seal, which makes the replacement more convenient. The overflowing part is made from stainless steel, applicable for light-corrosion medium. Relying on the high efficiency, energy saving performance, reliable quality, wide usable range, our products receive the great popularity after they have been launched.

Feature

1. The premium hydraulic model and advanced workmanship greatly improve the pumps' performance and extend the service life
2. Adopting hard alloy and fluorin rubber for the mechanical seal, which ensures the pumps' reliable operation and endures high temperature of transmission medium.
3. As the overflowing part of pump is stamped and welded by stainless steel plate, which is suitable for slightly aggressive liquids.
4. Compact design small size, light weight, low noise, excellent energy saving performance, easy to maintenance.
5. Inlet and outlet of the pump stand in the same line with the pump base, which can be used directly in the pipelines
6. Clients can allocate the motor based on their own needs.
7. We provide intelligent protector to avoid dry running, default phase and over loading of the pump to meet customers, demand

Characters

When the service life of machanical seal runs out, no need to disassemble motor from the pump body, its replacement can be carried out by taking the coupling out and disassembling the gland of mechanical seal, so that the concentricity between motor shaft and pump spindle can be ensured, as well as the sealing reliability of the pump section.

Working Condition

1. Liquid temperature: Normal type 0°C~+68°C, hot water type 0°C~+120°C
2. Ambient temperature: -15°C~+40°C
3. The maximum working pressure: 1.0 Mpa
4. When the density or viscosity of the transmission medium exceeds that of water, it is necessary to select a driving motor of high-power.

Transmission Medium

1. Thin and clean non-flammable and non-esposive liquid without solid particle or fibres.
2. Mineral water softened water, pure water, edible vegetable oil and other light chemical mediums.
3. The main material of pump is stainless steel, which is suitable for slightly aggressive liquids.

Motor's Selection

Full-enclosed and ventilating two-pole standard motor

Protection class: Ip55

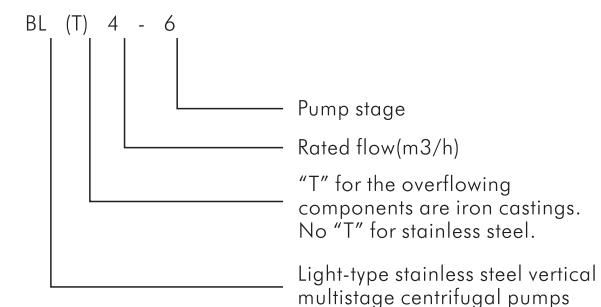
Insulation class:F

Standard voltage (50Hz): Single phase 220v Three phase: 380V

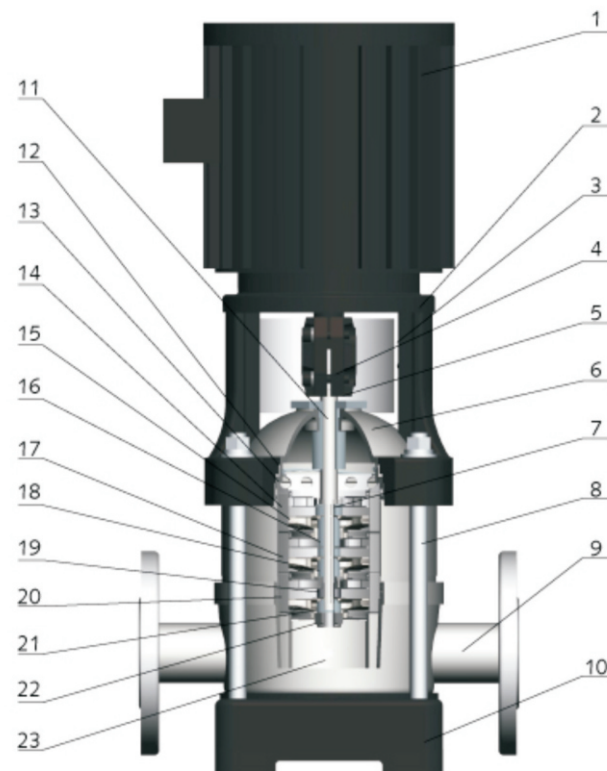
Application

1. Water supply: water filtering and water delivery in water plants, water delivery for sub-water plants, pressure boost in main pipelines and in high-rise buildings.
2. Industrial pressure boost: flow water system, cleansing syste, high-pressure washing system, fire extinguishing system.
3. Industrial liquid delivery: cooling and Air-conditioning systems, boiler water supply, condensation system, machine tool, transmission of the acid and alkali mediums.
4. Water treatment (Water purification): ultra-filtration syste, reverse osmosis system, distillation system, water treatment system for separator and swimming pool.
5. Irrigation: irrigating of crops, spray irrigation and drop irrigation.

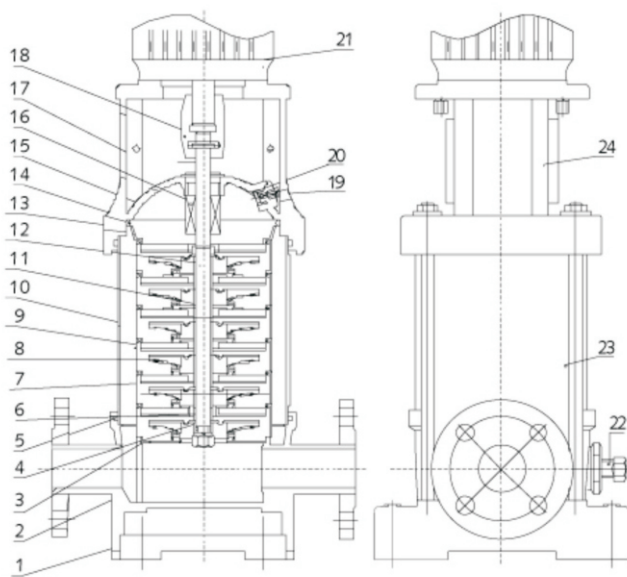
Model Instructions



BL(T)2/BL(T)4 Structural Sketch

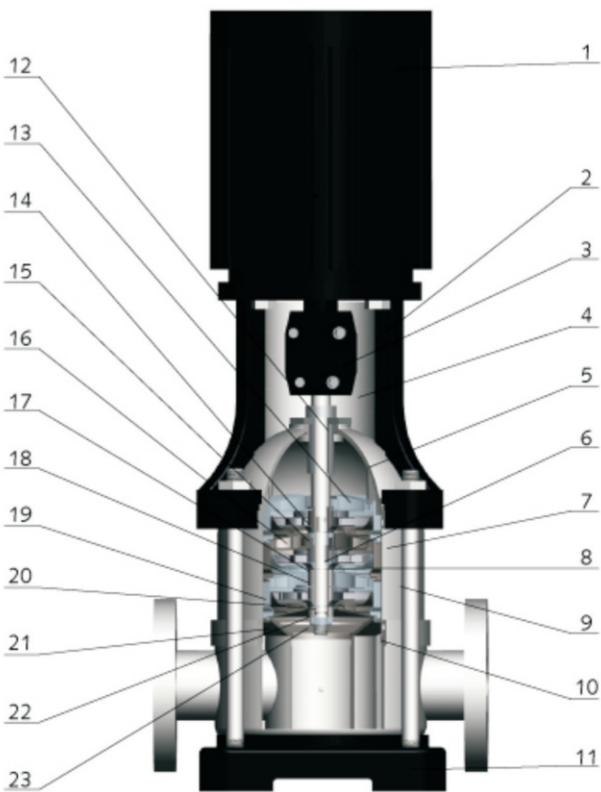


No.	Name
1	Motor
2	Motor base
3	Protection plate
4	Coupling
5	Mechanical seal
6	Ball-shaped liner
7	Spacer sleeve
8	Pull-rod
9	pump base
10	Base frame
11	Pump shaft
12	Wave spring
13	Outlet fluid director
14	fluid director
15	Impeller
16	Long sleeve
17	Bearing fluid director
18	Short sleeve
19	Bearing
20	Inlet fluid director
21	Lining
22	Locked nut
23	Pressure adjustor

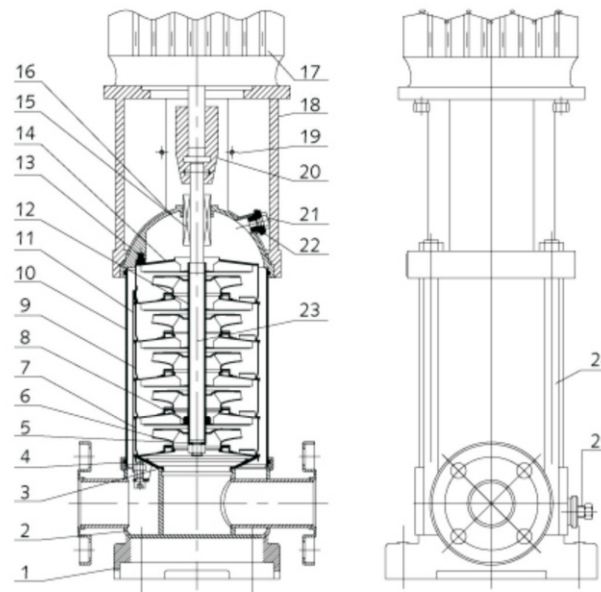


No.	Name	Material
1	Base	Cast iron
2	Pump base	Stainless steel
3	Inlet fluid director	Stainless steel
4	Lining	Stainless steel
5	"O" ring	Fluorine rubber
6	Bearings	Hard alloy
7	Fluid director with bearings	Stainless steel
8	Impeller	Stainless steel
9	Fluid director	Stainless steel
10	Outer cylinder	Stainless steel
11	Round set	Stainless steel
12	Pump shaft	Stainless steel
13	Outlet fluid director	Fluorine rubber
14	Wave spring	Stainless steel
15	Ball-shaped lining	Stainless steel
16	Mechanical seal	Hard alloy - Fluorine rubber
17	Motor base	Cast iron
18	Coupling	Cast steel(powder metallurgy)
19	Plug	Stainless steel
20	Adjustable bolt	Stainless steel
21	Motor	Standard vertical motor
22	Pressure adjustor	Stainless steel
23	Pull-rod	Chromium 45
24	Protection blade	Stainless steel

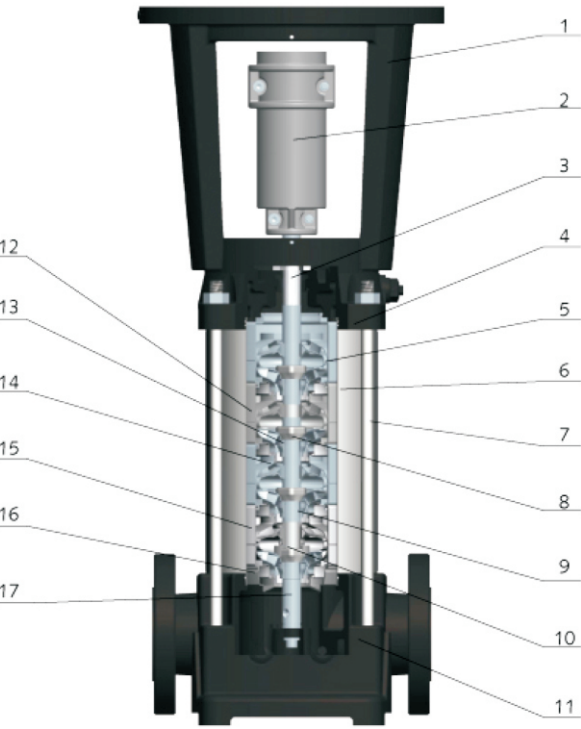
BL(T)8/BL(T)16/BL(T)20
Structural Sketch



No.	Name
1	Motor
2	Motor base
3	Coupling
4	Protection plate
5	Ball-shaped liner
6	Bearing
7	Outer cylinder
8	Impeller set
9	pull-rod
10	Pump base
11	Base frame
12	Mechanical seal
13	Outlet fluid director
14	Spacer sleeve
15	Short round set I
16	Fluid director
17	Short round set II
18	Long round set II
19	Fluid director
20	Pump shaft
21	Inlet fluid director
22	Lining
23	Locked nut

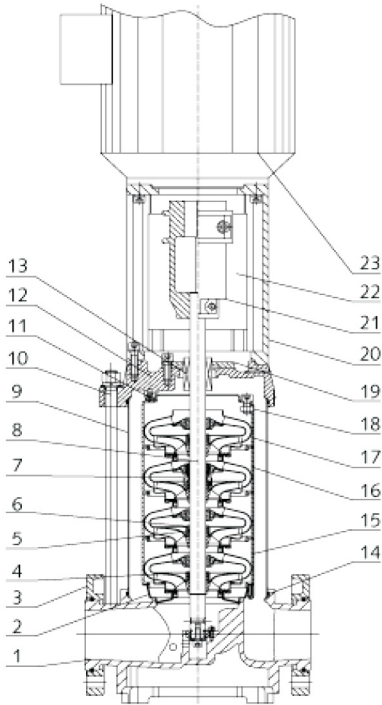


No.	Name	Material
1	Base	Cast iron
2	Pump base	
3	Inlet fluid director	Stainless steel
4	Lining	
5	"O" ring	Fluorine rubber
6	Impeller	
7	Fluid director with bearings	Stainless steel
8	Bearings	Hard alloy
9	Fluid director	Stainless steel
10	Outer cylinder	Stainless steel
11	Draw plate	Stainless steel
12	Round set	
13	Pressure tight screw	Fluorine rubber
14	Outlet fluid director	Stainless steel
15	Mechanical seal	Hard alloy - Fluorine rubber
16	Ball-shaped lining	
17	Motor	Standard vertical motor
18	Motor base	
19	Protection blade	Stainless steel
20	Coupling	Cast steel(powder metallurgy)
21	Adjustable bolt	Stainless steel
22	Plug	Stainless steel
23	Pump spindle	Stainless steel
24	Draw bar	Chromium
25	Pressure adjustor	Stainless steel



BL(T)32/BL(T)45/BL(T)64
Structural Sketch

No.	Name
1	Motor base
2	Coupling
3	mechanical seal
4	Pump head
5	Outlet fluid director set
6	Outer cylinder
7	Pull-rod
8	Split conenut
9	Impeller set
10	Bearing for impeller
11	Square pump base
12	Fluid director set
13	split cone set
14	Seal socket set
15	Fluid director set with bearing
16	Inlet fluid director set
17	Pump shaft



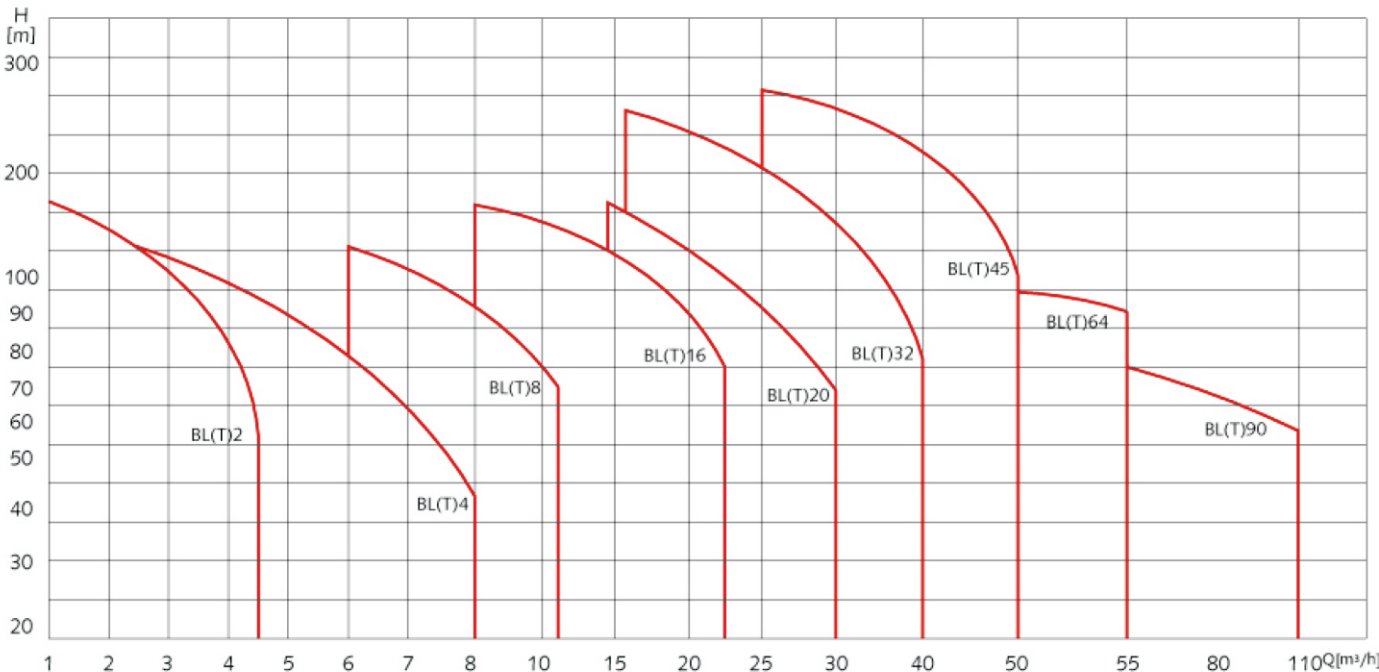
No.	Name	Material
1	Pump base	Cast iron (Stainless steel)
2	Inlet fluid director	Stainless steel
3	Movable flange	Cast iron
4	Impeller	Stainless steel
5	Rip cone sleeve	Stainless steel
6	nut of rip cone sleeve	Stainless steel
7	Impeller bearing	Hard alloy - Stainless steel
8	Pump spindle	Stainless steel
9	Outer cylinder	Stainless steel
10	Draw bar	45- plated steel
11	Pressure tight screw	Fluorine rubber
12	Pump head	Stainless steel (Cast iron)
13	Mechanical seal	
14	O Sealing washer	Fluorine rubber
15	Fluid director	Stainless steel
16	Fluid director with bearing	Stainless steel
17	Outlet fluid director	Stainless steel
18	Draw plate	Stainless steel
19	Mechanical seal gland	Stainless steel
20	Motor base	Cast iron
21	Coupling	Ductile iron
22	Protection blade	Stainless steel
23	Motor	Standard vertical motor



BL(T)

50Hz

Performance curve



- All performance curve are based on the measured values when a motor works under the voltage of 380V at a constant speed of 2900r/min.
- The capability of flow and head conforms to iso9001.
- Measurement is done in 20°C air-free water of which viscosity is 1mm²/s.
- The operation of pump shall refer to the performance range marked in green curve so as to avoid damages caused by over-load.

Product Scope

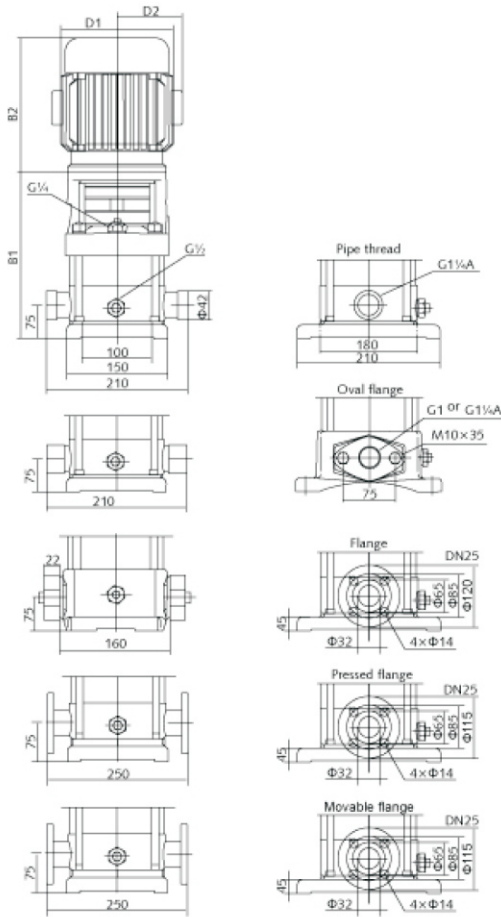
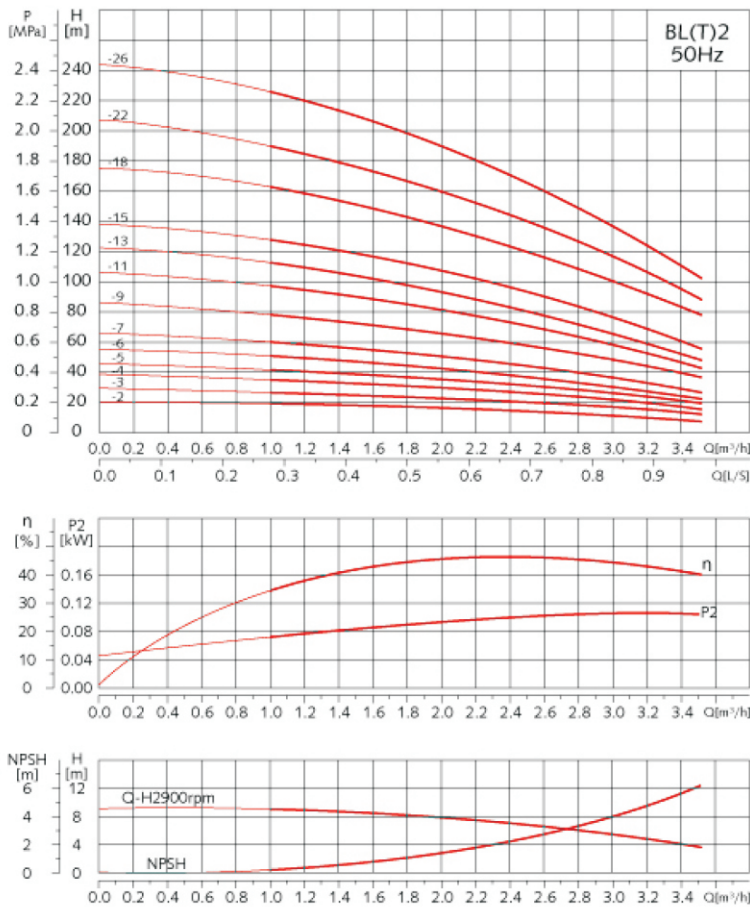
Model	BL(T)2	BL(T)4	BL(T)8	BL(T)16	BL(T)20	BL(T)32	BL(T)45	BL(T)64	BL(T)90
Rated flow (m3/h)	2	4	8	16	20	32	45	64	90
flow range (m3/h)	1~3.5	1.5~8	5~12	8~22	14~30	16~40	25~55	30~80	50~110
Max. pressure (MPa)	2.3	2.1	2.1	2.2	2.3	2.7	2.8	2.2	2.0
Motor power(kW)	0.37~3	0.37~4	0.75~7.5	2.2~15	2.2~18.5	4~30	7.5~45	11~45	15~45
Temperature range(oC)	Normal type:0~+68				Hot water type:0~+120				
Max. efficiency (%)	49	59	64	66	67	70	74	74	74
Flange	DN25	DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100
pressed flange	DN25	DN32	DN50	DN50	DN50				
Oval flange	G1 or G1¼	G1¼ or G1							
Pipe thread	R ₂ 1¼A	R ₂ 1¼A	G2A	G2A	G2A				
Flange bearing pressure	PN2.5	PN2.5	PN2.5	PN2.5	PN2.5	PN4.0	PN4.0	PN4.0	PN4.0

Minmum inlet pressure

Figure NPSH curve + minimum safety margin 0.5m delivery head.

BL(T)2

50Hz



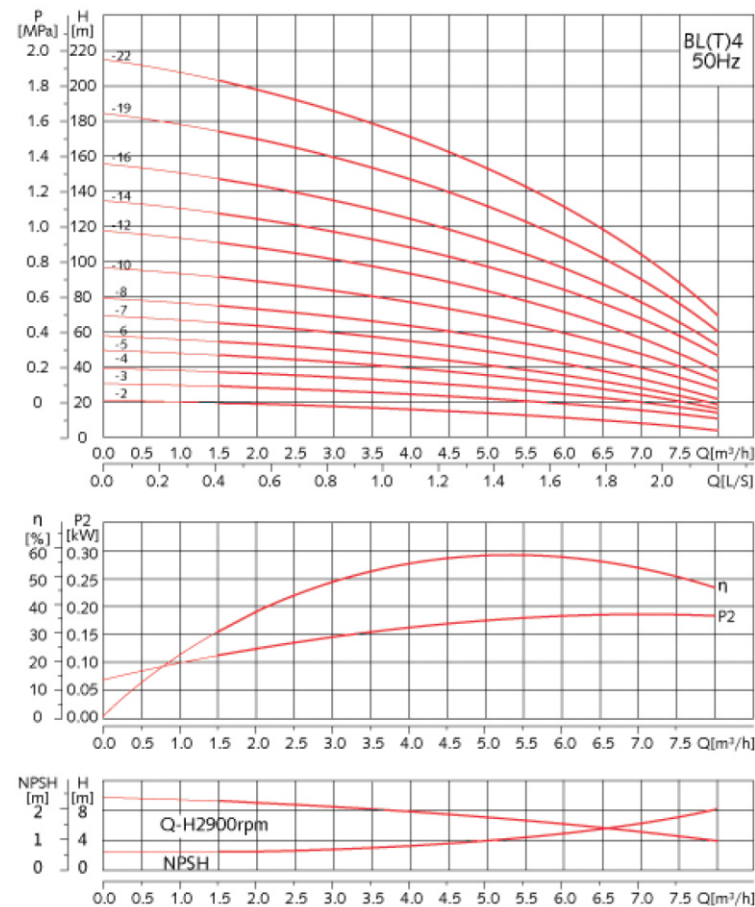
Main Technical Parameter List

Model	Power (kW)	Q[m³/h]	1	1.2	1.6	2	2.4	2.8	3.2	3.5	B1	B2	B1+B2	D1	D2	N.W (kg)	G.W (kg)
BL2-2 / BLT2-2	0.37	H (m)	17	16	15	13	12	11	9	7	260	220	480	145	80	21/27	27/33
BL2-3 / BLT2-3	0.37		26	25	23	20	19	17	14	11	278	220	498	145	80	21/28	27/33
BL2-4 / BLT2-4	0.55		35	34	32	27	25	24	19	15	296	220	516	145	80	23/29	28/34
BL2-5 / BLT2-5	0.55		44	42	39	35	32	29	23	19	314	220	534	145	80	23/29	29/35
BL2-6 / BLT2-6	0.75		51	50	48	42	38	34	28	22	340	255	595	175	145	26/32	32/38
BL2-7 / BLT2-7	0.75		61	59	55	50	45	39	33	26	358	255	613	175	145	27/33	32/39
BL2-9 / BLT2-9	1.1		78	76	71	65	59	52	43	35	394	255	649	175	145	30/36	36/42
BL2-11 / BLT2-11	1.1		95	92	86	79	70	61	51	41	430	255	685	175	145	31/37	37/43
BL2-13 / BLT2-13	1.5		113	111	103	94	86	75	62	49	479	265	744	195	155	35/41	41/47
BL2-15 / BLT2-15	1.5		130	126	119	108	96	86	69	56	515	265	780	195	155	36/42	42/49
BL2-18 / BLT2-18	2.2		156	152	143	130	116	103	86	71	569	290	859	195	155	40/46	46/53
BL2-22 / BLT2-22	2.2		192	187	175	160	143	125	105	85	641	290	931	195	155	41/48	48/55
BL2-26 / BLT2-26	3		227	223	209	190	174	153	125	105	722	325	1047	215	180	47/53	55/61

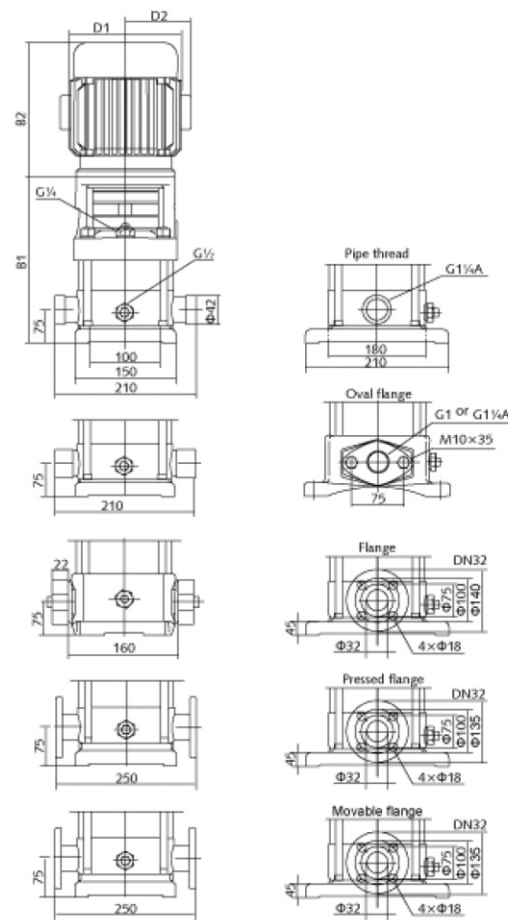
BL(T)4

50Hz

Performance curve



Installation and Size



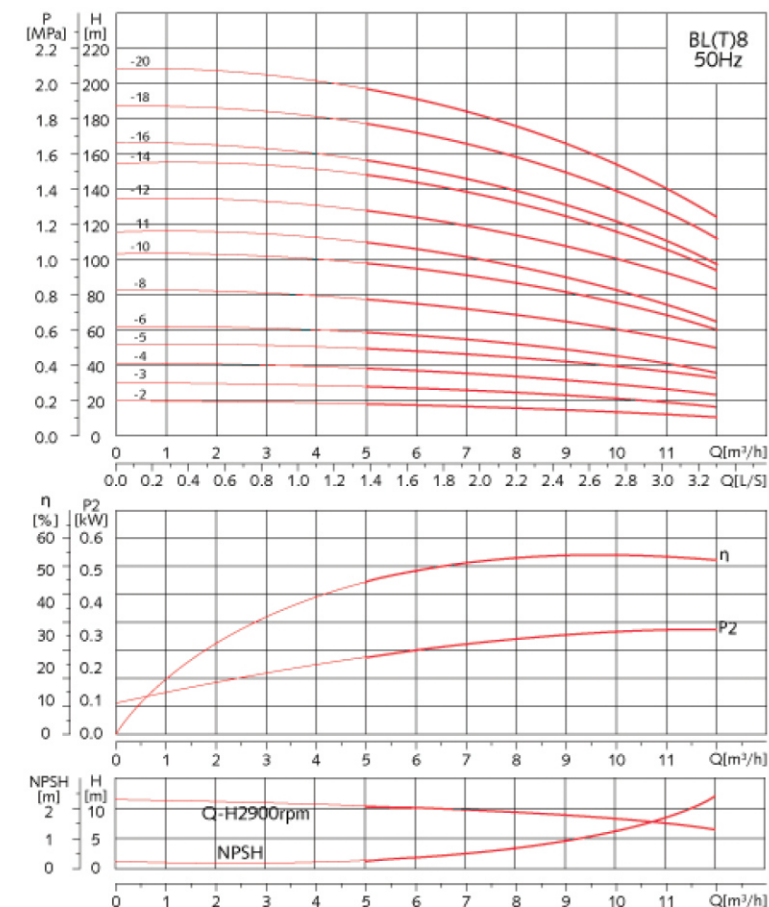
Main Technical Parameter List

Model	Power (kW)	Q[m³/h]	1.5	2	3	4	5	6	7	8	B1	B2	B1+B2	D1	D2	N.W (kg)	G.W (kg)
BL4-2 / BLT4-2	0.37	H (m)	18	17	16	14	12	9	7	5	278	220	498	145	80	22/28	28/33
BL4-3 / BLT4-3	0.55		27	26	25	22	19	17	12	9	305	220	525	145	80	24/29	39/34
BL4-4 / BLT4-4	0.75		37	35	33	30	26	23	18	12	340	255	595	175	145	27/32	32/38
BL4-5 / BLT4-5	1.1		46	44	42	38	33	30	22	16	367	255	622	175	145	30/35	35/41
BL4-6 / BLT4-6	1.1		56	52	50	45	39	35	26	18	394	255	649	175	145	30/35	36/41
BL4-7 / BLT4-7	1.5		64	61	59	53	46	41	31	22	434	265	699	195	155	34/39	40/46
BL4-8 / BLT4-8	1.5		72	70	68	61	53	48	36	25	461	265	726	195	155	35/40	41/46
BL4-10 / BLT4-10	2.2		93	87	84	77	68	59	45	31	515	290	805	195	155	38/44	45/50
BL4-12 / BLT4-12	2.2		111	105	101	93	82	72	55	38	569	290	859	195	155	39/45	46/52
BL4-14 / BLT4-14	3		132	122	118	108	97	85	64	44	632	325	957	215	180	44/50	52/57
BL4-16 / BLT4-16	3		148	140	136	124	111	97	74	51	686	325	1011	215	180	46/51	53/58
BL4-19 / BLT4-19	4		178	166	163	147	132	117	88	62	767	340	1107	240	190	52/57	60/65
BL4-22 / BLT4-22	4		205	194	186	170	154	132	102	73	848	340	1188	240	190	54/59	62/67

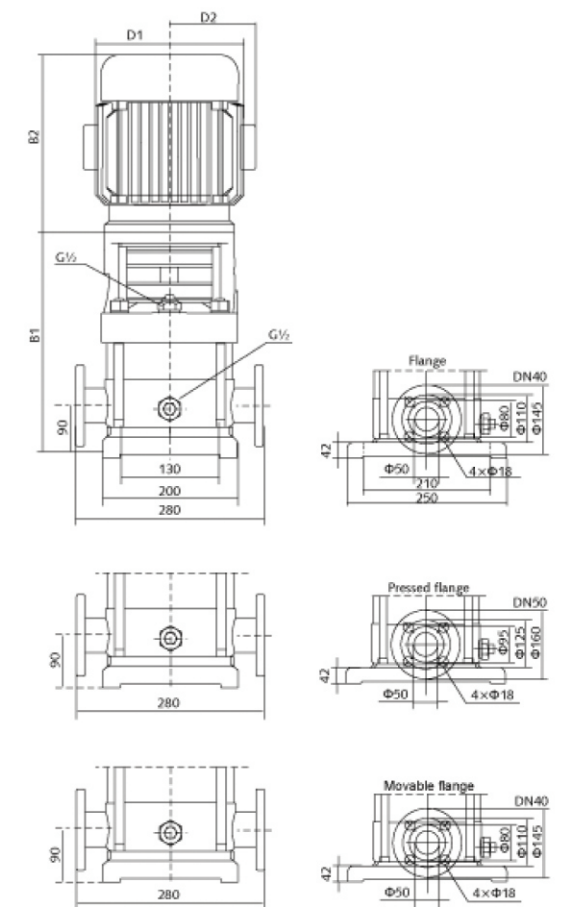
BL(T)8

50Hz

Performance curve



Installation and Size



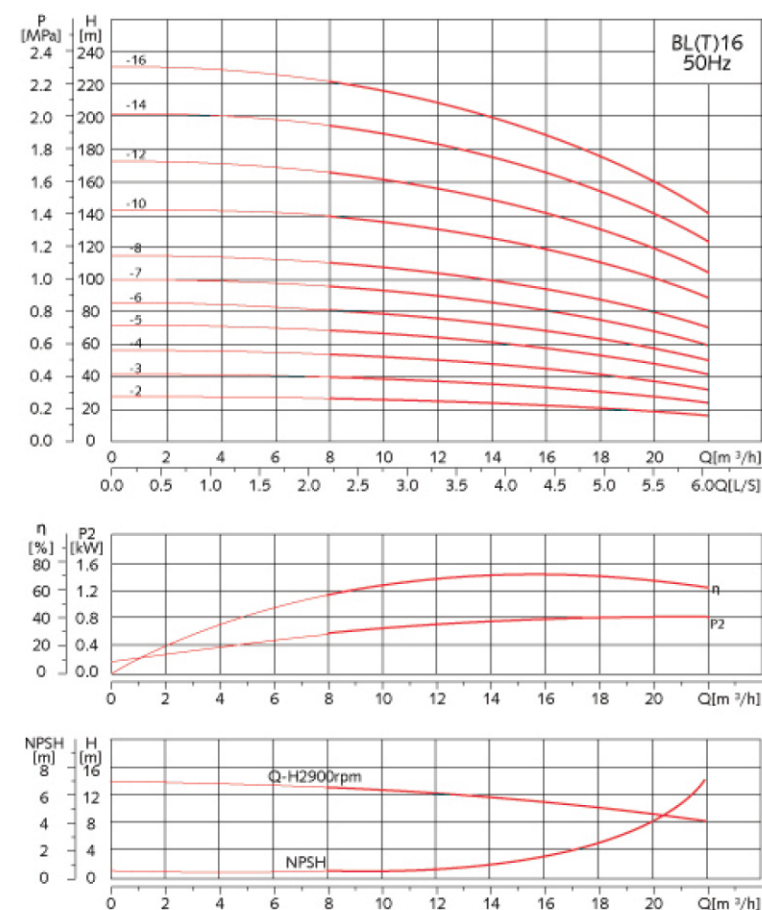
Main Technical Parameter List

Model	Power (kW)	Q[m³/h]	5	6	7	8	9	10	11	12	B1	B2	B1+B2	D1	D2	N.W (kg)	G.W (kg)
BL8-2 / BLT8-2	0.75	H (m)	20	19	18	16	15	14	13	12	375	255	630	175	145	36/44	43/51
BL8-3 / BLT8-3	1.1		30	29	28	28	24	23	22	19	405	255	660	175	145	39/47	46/54
BL8-4 / BLT8-4	1.5		40	39	38	34	32	31	29	26	440	265	705	195	155	43/51	51/58
BL8-5 / BLT8-5	2.2		51	49	47	43	41	40	36	33	470	290	760	195	155	47/54	54/62
BL8-6 / BLT8-6	2.2		60	59	56	51	49	47	43	39	500	290	790	195	155	48/56	56/64
BL8-8 / BLT8-8	3		81	78	76	70	66	63	58	52	570	325	895	215	280	54/62	63/71
BL8-10 / BLT8-10	4		101	97	94	87	83	77	72	65	630	340	970	240	190	61/69	71/79
BL8-11 / BLT8-11	4		111	107	103	96	91	85	79	71	660	340	1000	240	190	62/70	72/80
BL8-12 / BLT8-12	5.5		122	117	113	105	102	94	87	78	715	390	1105	275	210	80/89	95/103
BL8-14 / BLT8-14	5.5		142	136	132	122	119	109	101	91	774	390	1164	275	210	82/91	97/106
BL8-16 / BLT8-16	5.5		162	156	151	140	136	126	116	104	834	390	1224	275	210	85/93	100/109
BL8-18 / BLT8-18	7.5		182	175	170	157	153	141	130	117	894	390	1284	275	210	91/100	108/116
BL8-20 / BLT8-20	7.5		203	195	189	175	170	157	145	130	954	390	1344	275	210	93/102	110/119

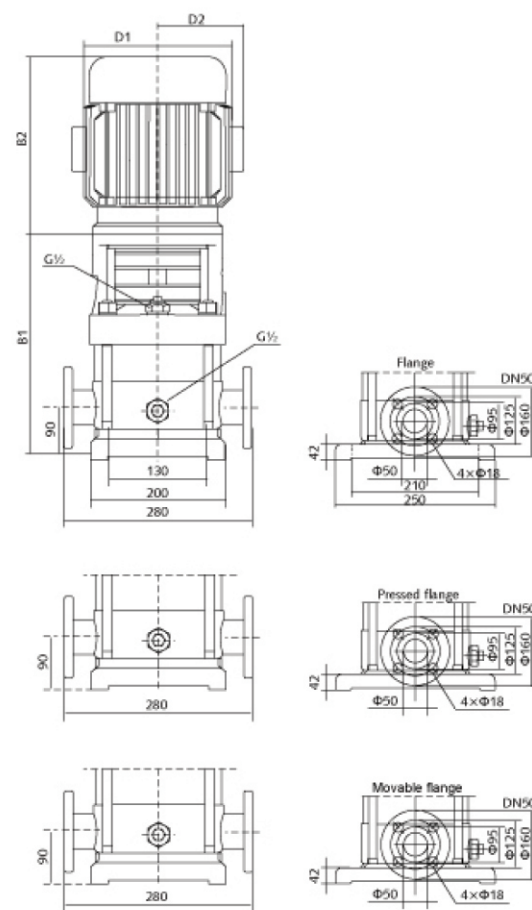
BL(T)16

50Hz

Performance curve



Installation and Size



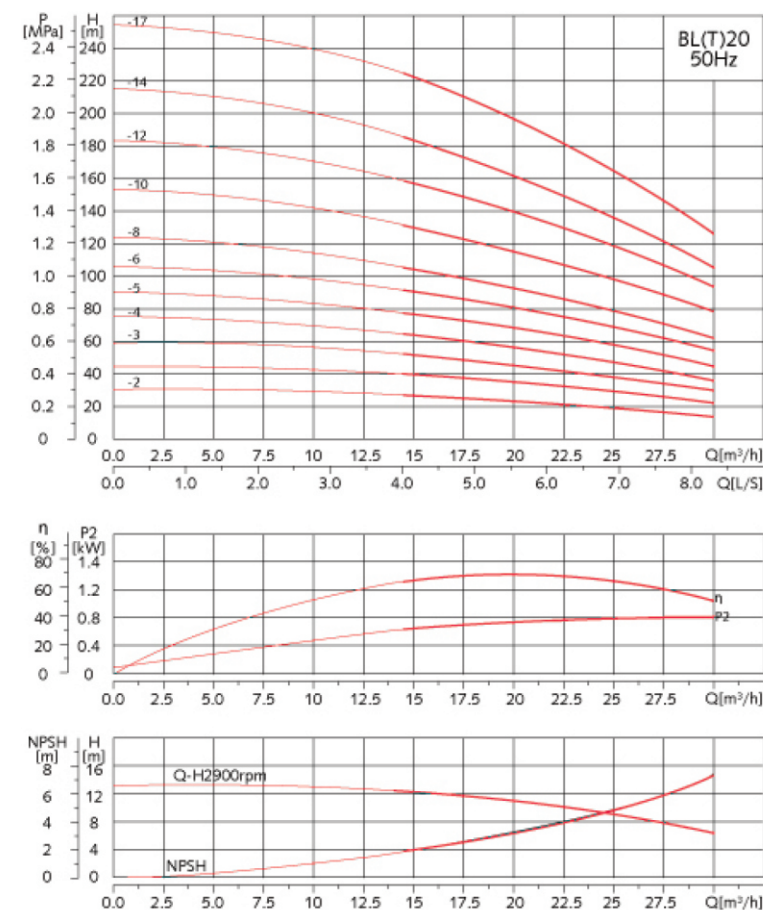
Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	8	10	12	14	16	18	20	22	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL16-2/BLT16-2	2.2	H (m)	28	27	26	25	22	21	19	17	410	290	700	195	155	45/52	52/59
BL16-3/BLT16-3	3		42	41	39	37	34	32	29	26	465	325	790	215	180	50/57	58/65
BL16-4/BLT16-4	4		56	54	52	50	46	44	38	34	510	340	850	240	190	56/63	65/72
BL16-5/BLT16-5	5.5		69	68	65	62	57	54	48	43	581	390	971	275	210	75/83	88/96
BL16-6/BLT16-6	5.5		83	81	78	75	69	64	58	52	626	390	1016	275	210	76/84	90/98
BL16-7/BLT16-7	7.5		97	95	92	87	80	75	68	61	671	390	1061	275	210	82/90	97/105
BL16-8/BLT16-8	7.5		111	108	105	100	92	86	77	70	716	390	1106	275	210	84/92	99/107
BL16-10/BLT16-10	11		139	136	131	125	115	108	97	87	837	505	1342	330	255	165/173	182/190
BL16-12/BLT16-12	11		167	163	157	150	138	129	116	105	927	505	1432	330	255	168/176	185/194
BL16-14/BLT16-14	15		194	190	184	175	161	151	136	122	1017	505	1522	330	255	181/189	199/207
BL16-16/BLT16-16	15		222	217	210	200	184	173	155	140	1107	505	1612	330	255	184/192	203/211

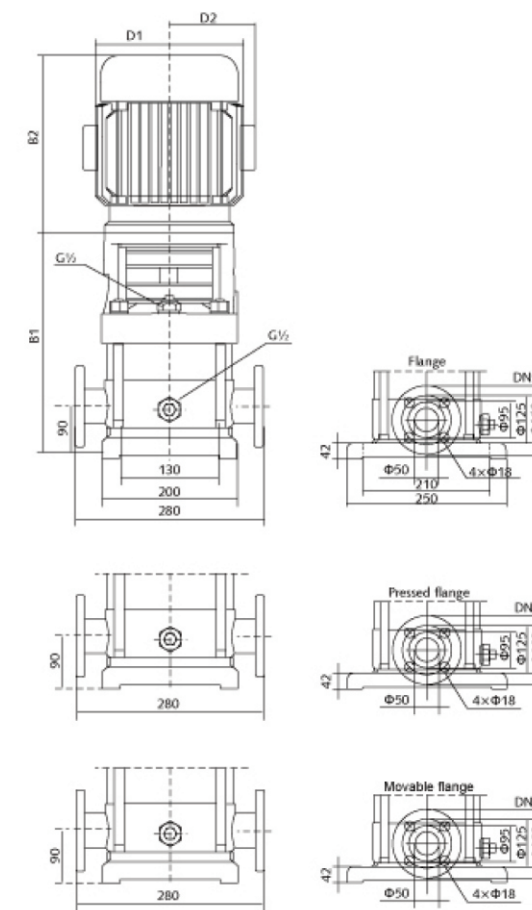
BL(T)20

50Hz

Performance curve



Installation and Size



Main Technical Parameter List

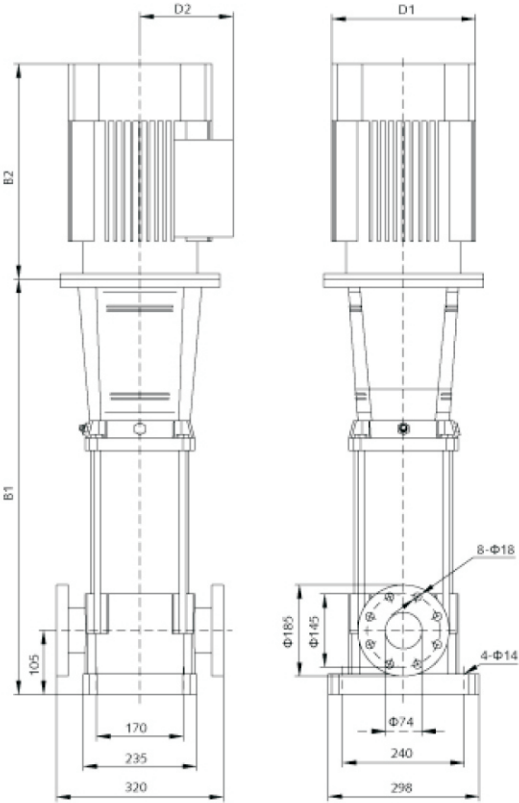
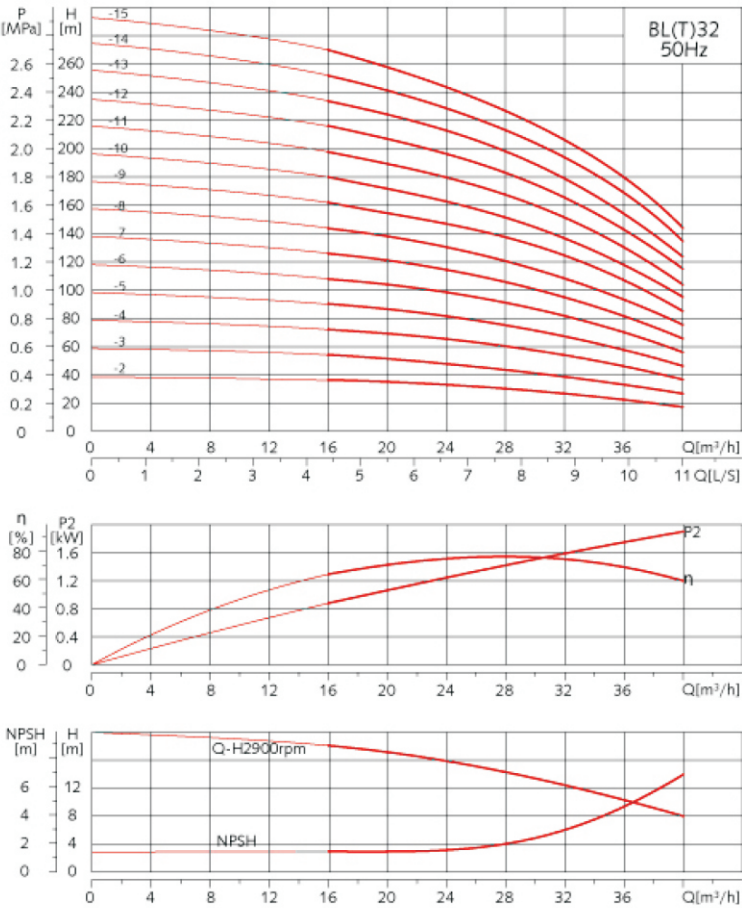
Model	Power (kW)	Q(m³/h)	14	16	18	20	22	24	26	28	30	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL20-2/BLT20-2	2.2	H (m)	26	25	24	22	21	20	18	15	13	410	290	700	190	155	45/52	52/59
BL20-3/BLT20-3	4		39	38	37	34	32	30	27	24	21	465	340	805	240	190	55/62	63/70
BL20-4/BLT20-4	5.5		52	51	49	45	43	40	37	33	29	536	390	926	275	210	74/82	85/93
BL20-5/BLT20-5	5.5		64	62	60	56	54	51	45	40	35	581	390	971	275	210	75/83	89/97
BL20-6/BLT20-6	7.5		77	75	73	68	66	61	54	49	43	626	390	1016	275	210	81/89	95/103
BL20-7/BLT20-7	7.5		91	89	86	80	75	70	65	58	53	671	390	1061	275	210	83/90	97/105
BL20-8/BLT20-8	11		105	102	99	92	86	81	75	67	60	747	505	1252	330	255	162/170	177/185
BL20-10/BLT20-10	11		131	128	124	115	111	102	95	85	78	837	505	1342	330	255	165/173	182/190
BL20-12/BLT20-12	15		158	154	149	138	130	123	114	102	92	927	505	1432	330	255	179/186	196/204
BL20-14/BLT20-14	15		185	180	174	161	152	144	133	119	104	1017	505	1522	330	255	182/189	200/208
BL20-17/BLT20-17	18.5		225	219	212	196	185	175	162	145	125	1152	505	1712	330	255	201/209	222/229

BL(T)32

50Hz

Performance curve

Installation and Size



Main Technical Parameter List

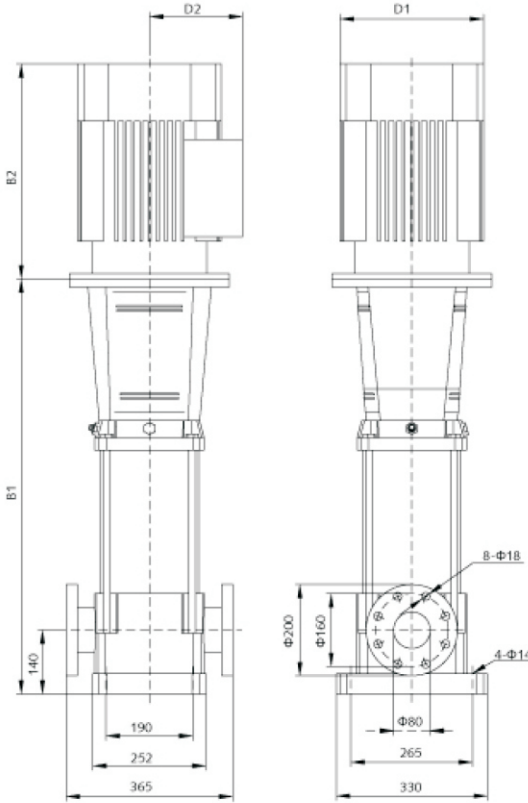
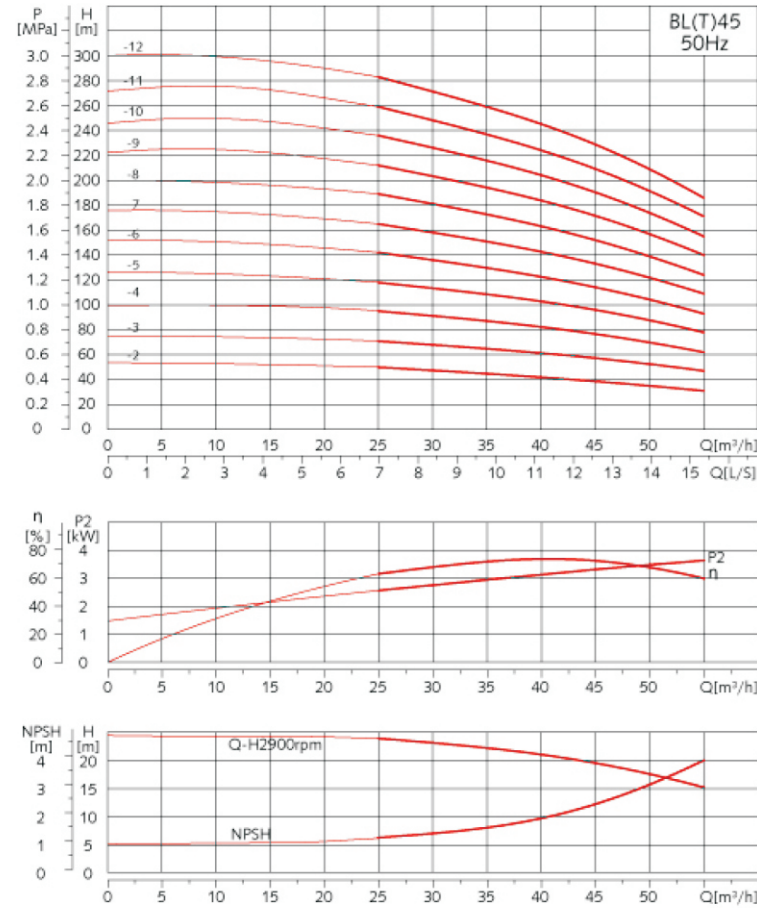
Model	Power (kW)	Q(m³/h)	16	20	24	28	32	36	40	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL32-2/BLT32-2	4	H (m)	36	34	32	29	27	23	18	634	340	974	240	190	69/72	96/99
BL32-3/BLT32-3	5.5		54	51	48	44	39	35	27	724	390	1114	275	210	88/92	115/119
BL32-4/BLT32-4	7.5		72	68	65	59	53	47	37	794	390	1184	275	255	97/101	124/128
BL32-5/BLT32-5	11		90	86	81	74	67	59	47	894	505	1399	330	255	179/183	212/216
BL32-6/BLT32-6	11		108	102	97	90	81	72	57	964	505	1469	330	255	183/187	216/220
BL32-7/BLT32-7	15		126	120	113	105	95	84	67	1034	505	1539	330	255	197/201	230/234
BL32-8/BLT32-8	15		144	137	129	120	109	97	76	1104	505	1609	330	255	201/205	240/244
BL32-9/BLT32-9	18.5		162	154	146	136	123	109	86	1174	560	1734	330	255	220/224	259/263
BL32-10/BLT32-10	18.5		180	171	162	151	137	121	96	1244	560	1804	330	255	223/228	262/267
BL32-11/BLT32-11	22		198	188	178	166	151	134	105	1314	590	1904	380	280	257/262	300/305
BL32-12/BLT32-12	22		216	205	194	182	165	146	115	1384	590	1974	380	280	267/270	310/313
BL32-13/BLT32-13	30		234	222	211	197	179	158	125	1454	660	2114	420	305	326/331	376/381
BL32-14/BLT32-14	30		252	239	227	212	193	171	135	1524	660	2184	420	305	330/335	380/385
BL32-15/BLT32-15	30		270	256	243	227	206	183	144	1594	660	2254	420	305	334/339	384/389

BL(T)45

50Hz

Performance curve

Installation and Size



Main Technical Parameter List

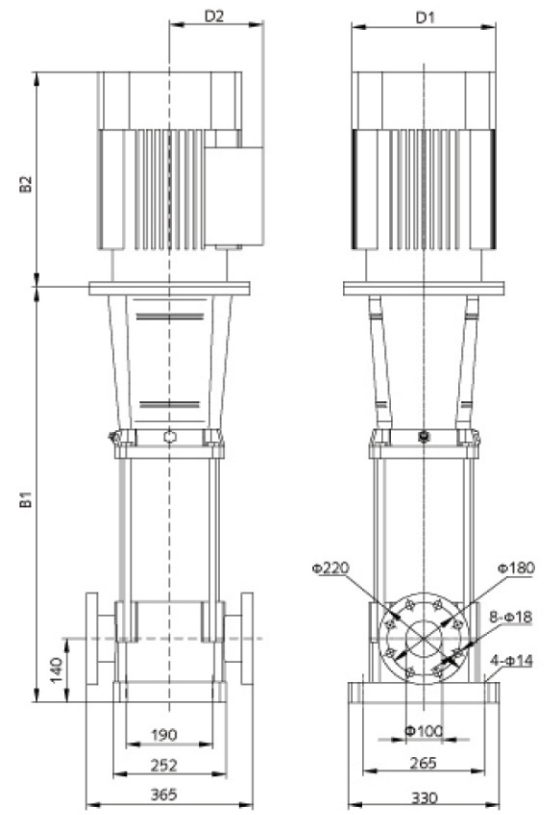
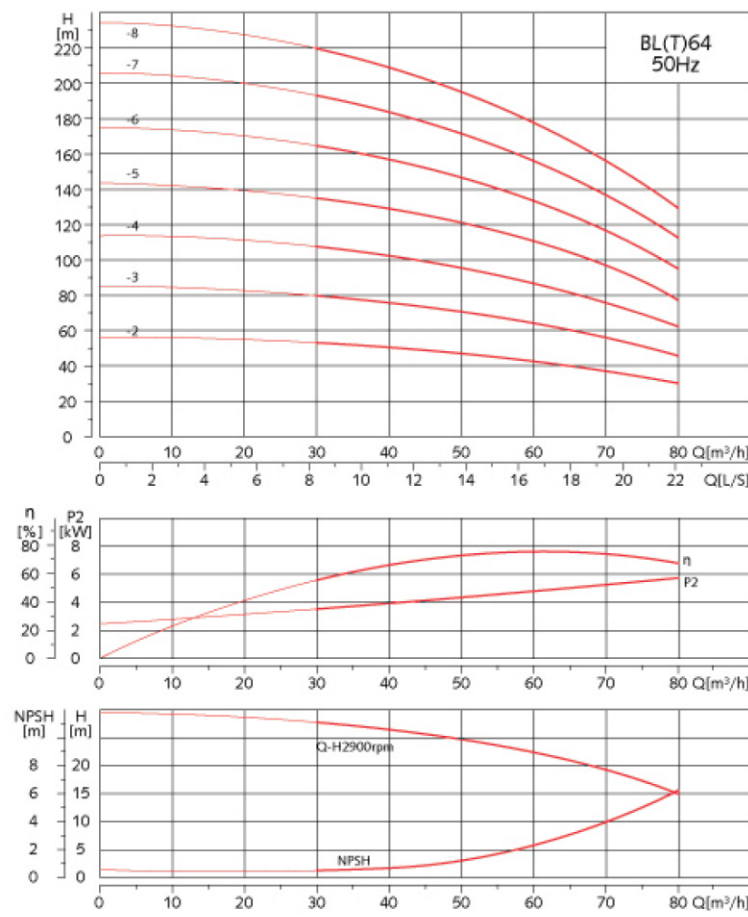
Model	Power (kW)	Q(m³/h)	25	30	35	40	45	50	55	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL45-2/BLT45-2	7.5	H (m)	48	46	44	42	39	35	31	715	390	1105	275	210	101/106	129/134
BL45-3/BLT45-3	11		71	69	66	63	58	53	47	825	505	1330	330	255	182/188	215/221
BL45-4/BLT45-4	15		95	92	88	84	77	71	62	905	505	1410	330	255	197/202	230/235
BL45-5/BLT45-5	18.5		118	115	110	105	97	89	78	985	560	1545	330	255	216/221	249/254
BL45-6/BLT45-6	22		142	138	132	125	116	107	93	1065	590	1655	380	280	250/256	285/291
BL45-7/BLT45-7	30		165	161	154	146	135	125	109	1145	660	1805	420	305	316/321	360/365
BL45-8/BLT45-8	30		189	184	176	167	154	143	124	1225	660	1885	420	305	319/324	363/368
BL45-9/BLT45-9	37		212	207	198	188	174	161	140	1305	660	1965	420	305	335/340	379/384
BL45-10/BLT45-10	37		236	230	220	209	193	179	155	1385	660	2045	420	305	340/345	391/396
BL45-11/BLT45-11	45		259	253	242	230	213	197	171	1465	710	2175	470	335	396/401	447/452
BL45-12/BLT45-12	45		283	276	264	251	233	215	186	1545	710	2255	470	335	400/405	451/456

BL(T)64

50Hz

Performance curve

Installation and Size



Main Technical Parameter List

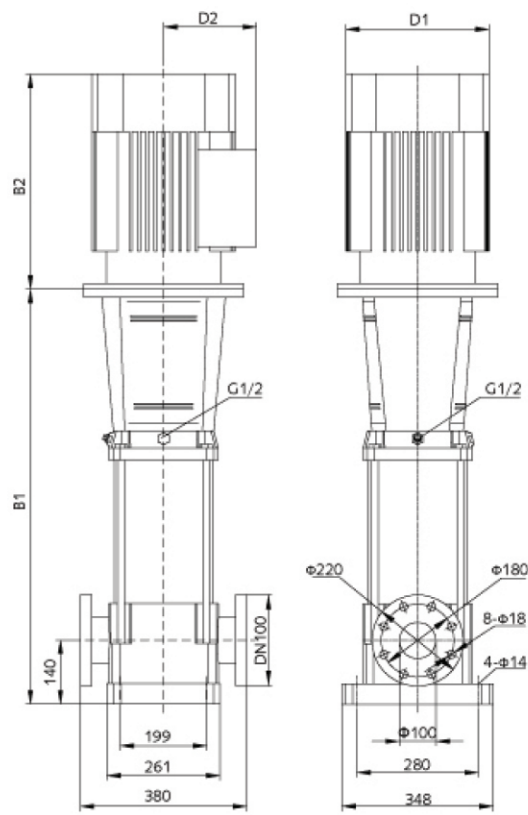
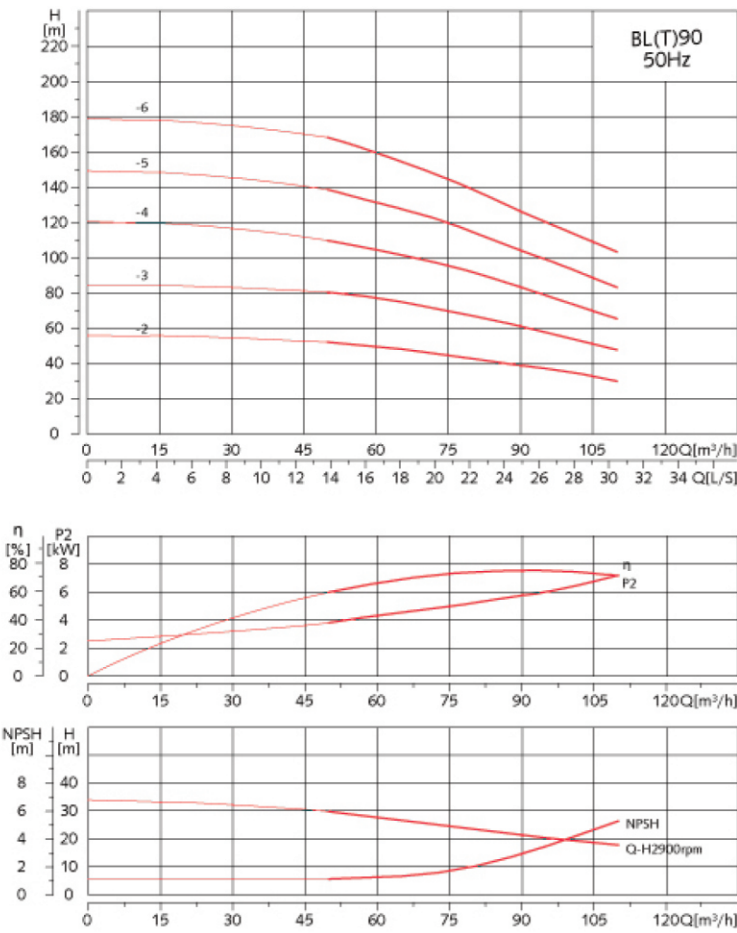
Model	Power (kW)	Q(m³/h)	30	40	50	60	64	70	80	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL64-2/BLT64-2	11	H (m)	53	51	47	43	39	37	30	715	505	1220	330	255	197/204	225/232
BL64-3/BLT64-3	18.5		80	76	71	65	60	56	46	825	560	1385	330	255	225/266	258/266
BL64-4/BLT64-4	22		107	101	94	87	81	75	61	905	590	1495	380	280	260/268	293/301
BL64-5/BLT64-5	30		135	128	119	109	103	94	78	985	660	1645	420	305	326/333	359/366
BL64-6/BLT64-6	37		164	156	144	132	124	114	95	1065	660	1725	420	305	342/350	377/385
BL64-7/BLT64-7	45		193	184	170	155	146	135	112	1145	705	1850	470	335	398/406	442/450
BL64-8/BLT64-8	45		220	211	195	179	168	156	130	1225	705	1930	470	335	403/410	447/454

BL(T)90

50Hz

Performance curve

Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	50	60	70	80	90	100	110	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL90-2/BLT90-2	15	H (m)	53	50	47	44	39	36	30	771	505	1276	330	255	207/214	240/247
BL90-3/BLT90-3	22		81	77	72	67	61	55	48	863	590	1453	380	280	225/233	260/268
BL90-4/BLT90-4	30		110	105	100	92	83	76	66	955	660	1615	420	305	313/321	348/356
BL90-5/BLT90-5	37		139	131	124	115	104	94	83	1047	660	1707	420	305	338/345	382/389
BL90-6/BLT90-6	45		168	160	150	141	126	117	103	1139	705	1849	470	335	392/400	436/444

BL(T)

Light-type Stainless Steel Vertical
Multistage Centrifugal Pump

60Hz

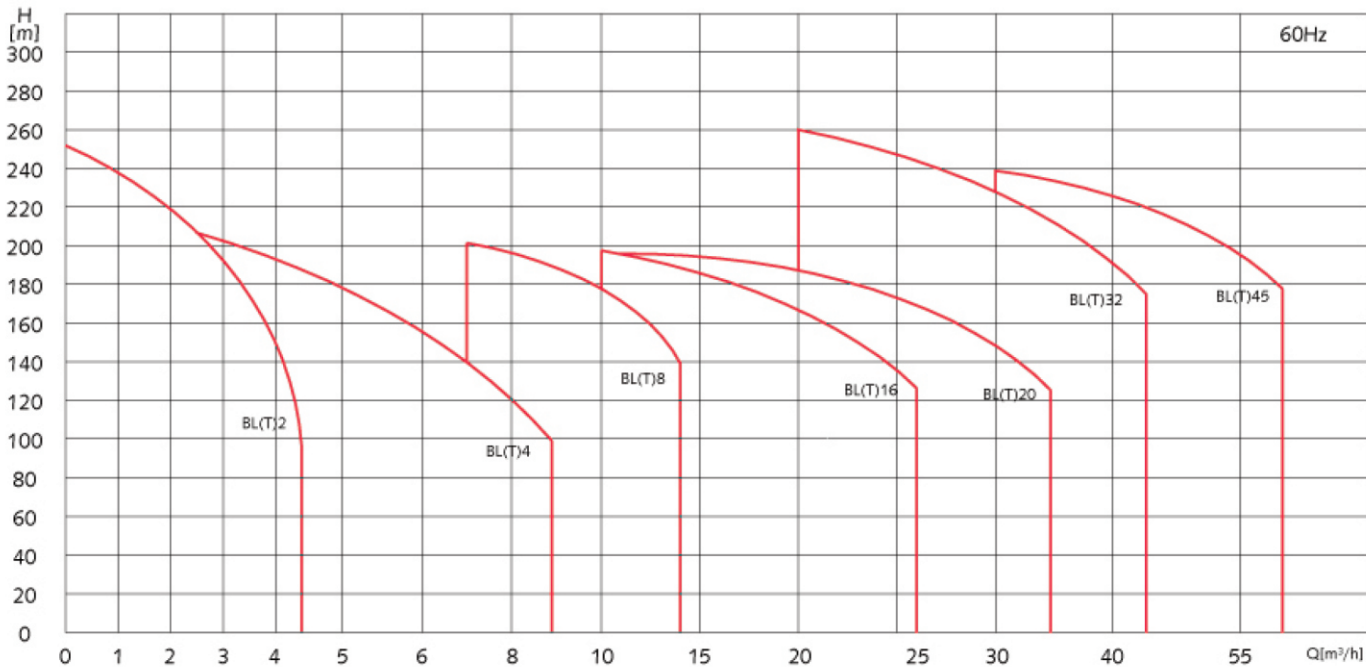


Light-type Stainless Steel Vertical
Multistage Centrifugal Pump **BL(T)**

BL(T)

60Hz

Performance curve



- All performance curves are baese on the measured values when a motor works under voltage of 380V, at a constant speed of 2900r/min.
- The capability of flow and head conforms to ISO9001.
- Measurement is done in 20℃ air-free water of which viscosity is 1mm2/s.
- The operation of pump shall refer to the performance range marked in green curve so as to avoid damages caused by over-load.

Product Scope

Model	BL(T)2	BL(T)4	BL(T)8	BL(T)16	BL(T)20	BL(T)32	BL(T)45
Rated flow	2	4	8	16	20	32	45
Flow range	1-3.5	1.5-8	5-12	8-22	14-30	20-44	30-60
Max pressure	2.3	2.1	2.1	2.2	2.3	2.8	2.6
Motor power	0.37-3	0.37-4	0.75-7.5	2.2-15	2.2-18.5	7.5-30	15-45
Temperature range	Normal type:0- +68			Hot water type:0 - +120			
Max efficiency	49	59	64	66	67	70	74
Flange	DN25	DN32	DN40	DN50	DN50	DN65	DN80
Pressed flange	DN25	DN32	DN50	DN50	DN50		
Oval flange	G1 or G1	G1orG1					
Pipe thread	R21 1/4A	R21 1/4A	G2A	G2A	G2A		
Flange bearing presswre	PN2.5	PN2.5	PN2.5	PN2.5	PN2.5	PN4.0	PN4.0

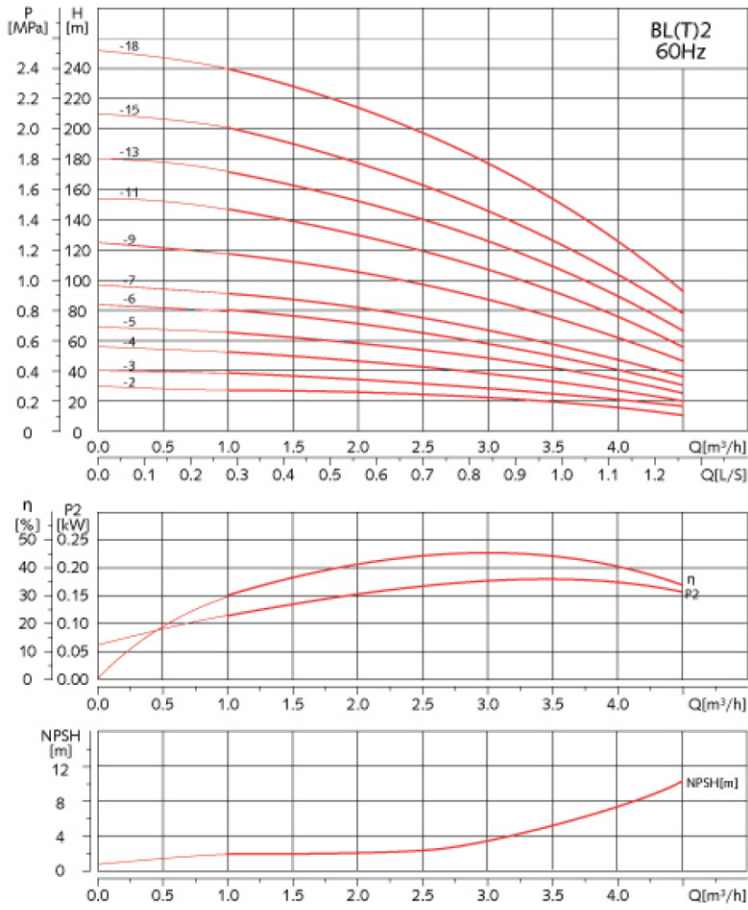
Minimun inlet pressure

Figure NPSH curve + minimun safety margin 0.5m delivery head.

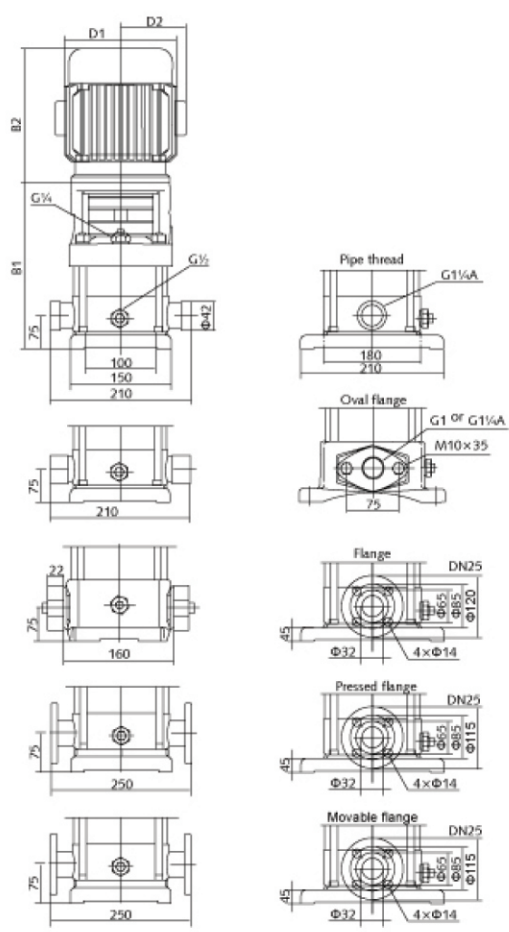
BL(T)2

60Hz

Performance curve



Installation and Size



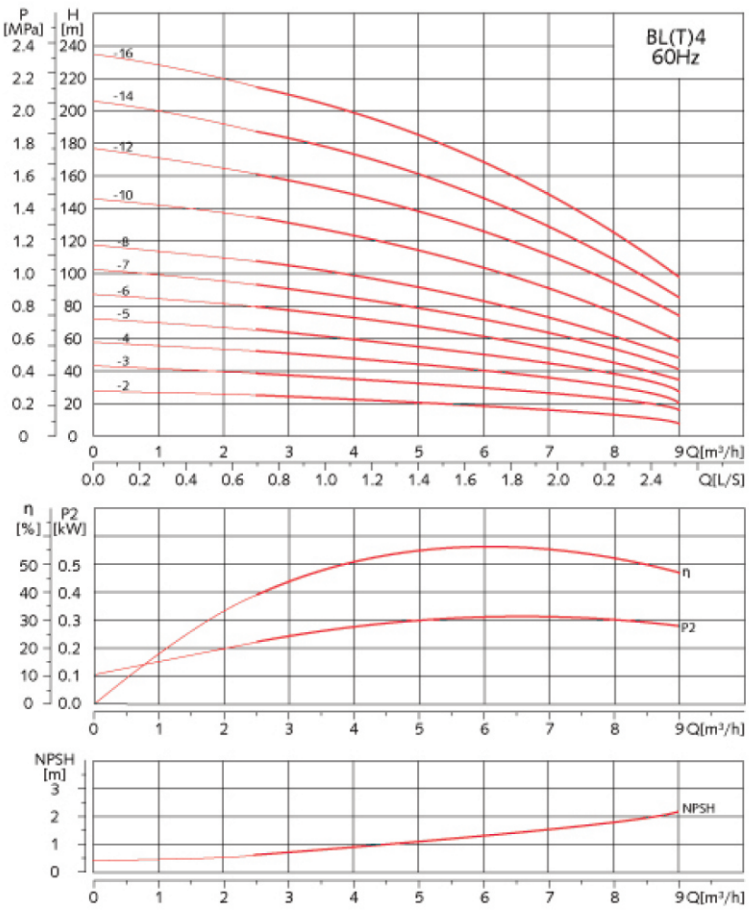
Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	1	1.5	2	2.5	3	3.5	4	4.5	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL2-2/BLT2-2	0.55	H (m)	26	24	22	21	19	16	12	9	245	220	465	145	80	22/28	27/34
BL2-3/BLT2-3	0.75		39	36	34	31	27	24	19	15	267	255	522	175	145	25/31	30/37
BL2-4/BLT2-4	1.1		52	48	45	42	36	32	26	20	285	255	540	175	145	28/34	33/39
BL2-5/BLT2-5	1.1		65	61	57	52	46	41	33	25	303	255	558	175	145	28/34	34/40
BL2-6/BLT2-6	1.1		78	74	69	63	56	49	40	30	321	255	576	175	145	28/35	34/40
BL2-7/BLT2-7	1.5		92	86	81	74	66	57	47	35	356	265	621	195	155	32/38	37/44
BL2-9/BLT2-9	2.2		118	111	104	95	86	76	61	45	392	290	682	195	155	35/42	41/48
BL2-11/BLT2-11	2.2		144	137	128	117	106	91	75	55	428	290	718	195	155	36/43	43/49
BL2-13/BLT2-13	3		171	163	152	139	126	108	90	66	467	325	792	215	180	41/47	48/54
BL2-15/BLT2-15	3		198	188	176	161	146	125	104	77	503	325	828	215	180	42/48	49/55
BL2-18/BLT2-18	4		238	228	212	195	175	151	126	94	557	340	897	240	190	48/54	55/61

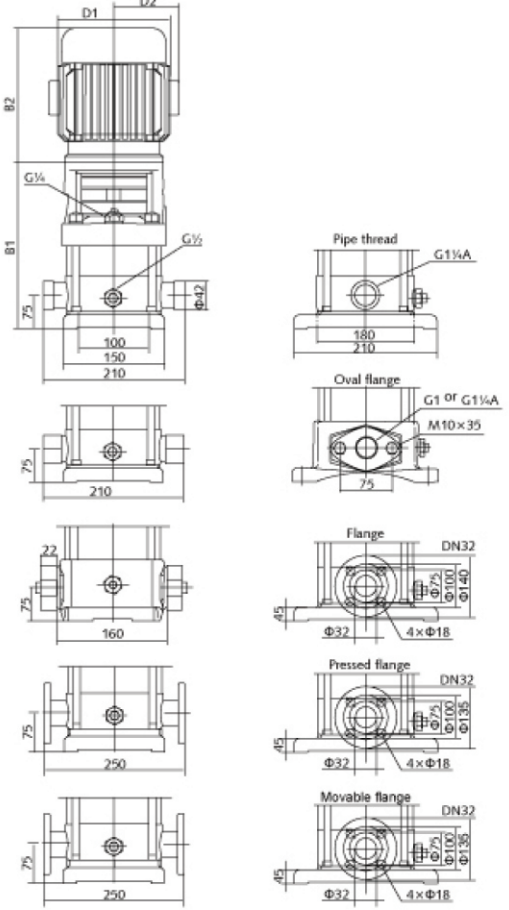
BL(T)4

60Hz

Performance curve



Installation and Size



Main Technical Parameter List

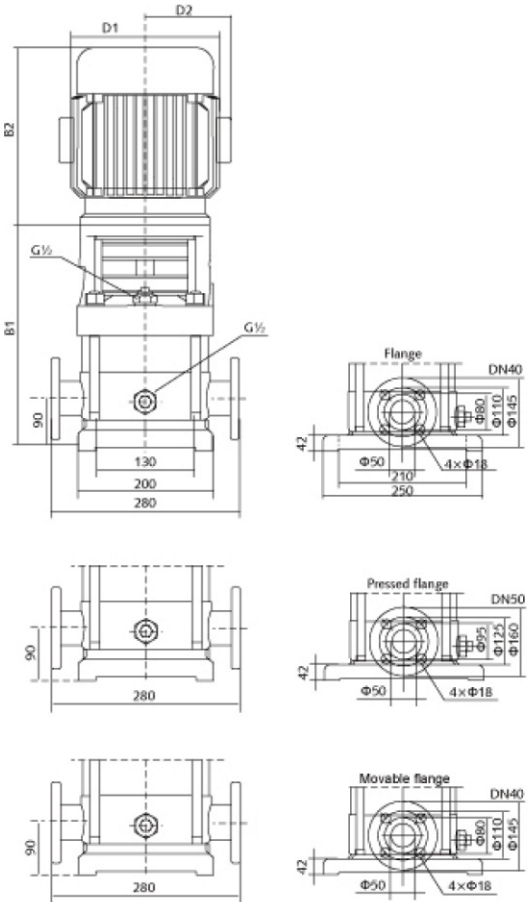
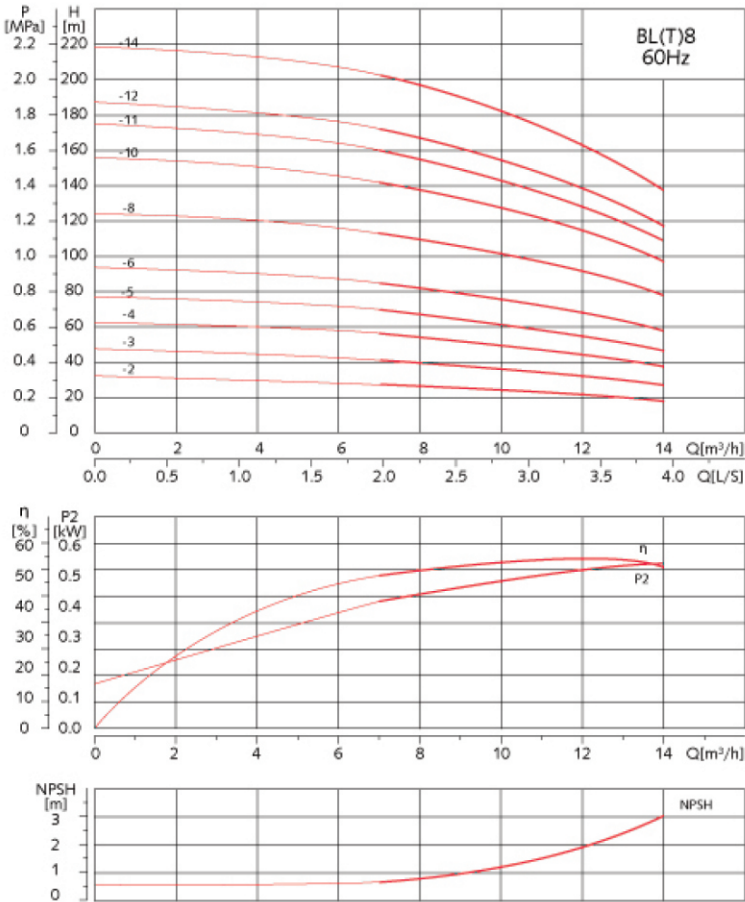
Model	Power (kW)	Q(m³/h)	2.5	3	4	5	6	7	8	9	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL4-2/BLT4-2	0.75	H (m)	26	25	23	21	19	16	14	11	267	255	522	175	145	26/31	31/36
BL4-3/BLT4-3	1.1		40	39	36	32	30	26	22	18	294	255	549	175	145	29/34	34/39
BL4-4/BLT4-4	1.5		53	52	48	44	41	35	31	24	338	265	603	195	155	32/37	38/43
BL4-5/BLT4-5	2.2		66	65	60	55	51	44	39	30	365	290	655	195	155	35/41	41/47
BL4-6/BLT4-6	2.2		80	78	73	67	61	54	47	36	392	290	682	195	155	36/41	42/47
BL4-7/BLT4-7	3		93	91	85	78	71	63	55	42	422	325	747	215	180	40/45	46/52
BL4-8/BLT4-8	3		107	104	97	90	82	73	63	49	449	325	774	215	180	41/46	47/53
BL4-10/BLT4-10	4		164	130	121	113	103	92	80	61	503	340	843	240	190	47/52	53/59
BL4-12/BLT4-12	4		161	156	145	136	125	111	96	74	557	340	897	240	190	48/53	55/60
BL4-14/BLT4-14	5.5		188	183	170	159	146	130	112	86	611	390	1001	275	210	66/71	73/78
BL4-16/BLT4-16	5.5		215	210	196	183	168	149	128	99	665	390	1055	275	210	67/72	75/80

BL(T)8

60Hz

Performance curve

Installation and Size



Main Technical Parameter List

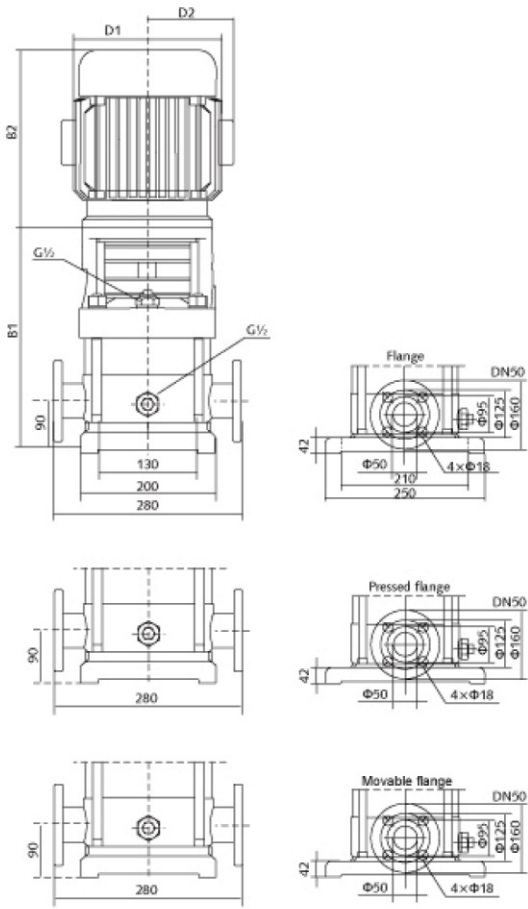
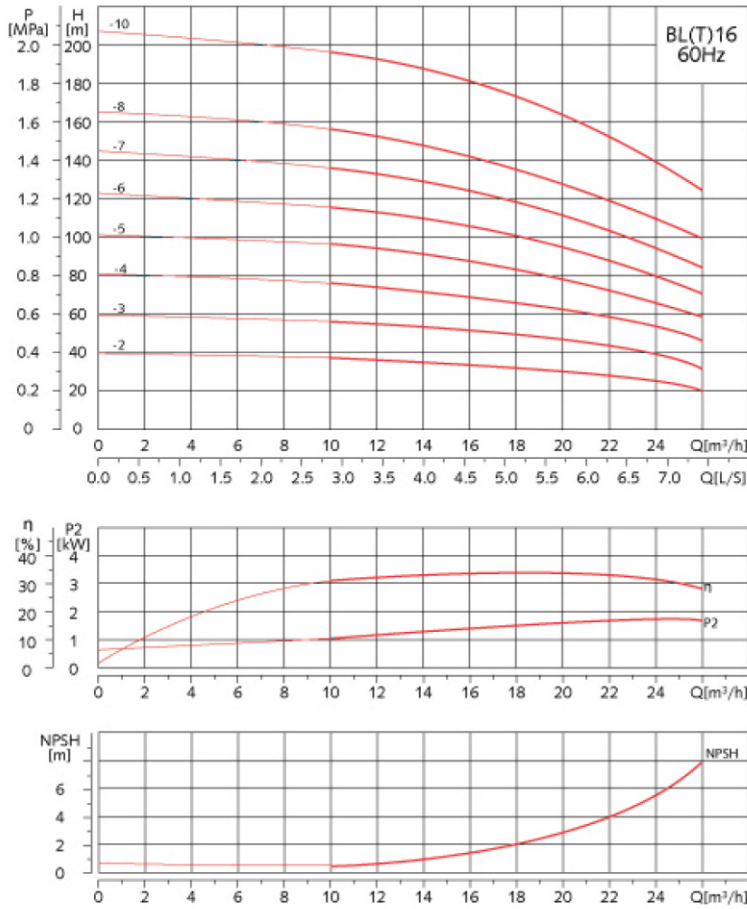
Model	Power (kW)	Q(m³/h)	7	8	9	10	11	12	13	14	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL8-2/BLT8-2	1.5	H (m)	1.5	27	26	25	24	23	22	20	376	265	641	195	155	41/49	48/56
BL8-3/BLT8-3	2.2		2.2	41	40	38	37	35	33	31	406	290	696	195	155	44/52	51/59
BL8-4/BLT8-4	3		3	55	54	52	50	47	45	42	441	325	766	215	180	49/57	57/65
BL8-5/BLT8-5	3		3	70	68	65	63	59	56	52	471	325	796	215	180	50/58	59/67
BL8-6/BLT8-6	4		4	85	82	78	76	72	68	63	501	340	841	240	190	56/64	64/73
BL8-8/BLT8-8	5.5		5.5	115	111	105	101	97	91	85	596	390	986	275	210	76/84	85/94
BL8-10/BLT8-10	7.5		7.5	145	140	132	126	122	115	107	656	390	1046	275	210	82/91	93/102
BL8-11/BLT8-11	7.5		7.5	160	154	146	139	135	127	118	686	390	1076	275	210	83/92	94/103
BL8-12/BLT8-12	11		11	175	169	160	152	148	139	129	716	505	1221	330	255	163/172	175/184
BL8-14/BLT8-14	11		11	205	198	188	179	174	163	152	806	505	1311	330	255	165/174	178/187

BL(T)16

60Hz

Performance curve

Installation and Size



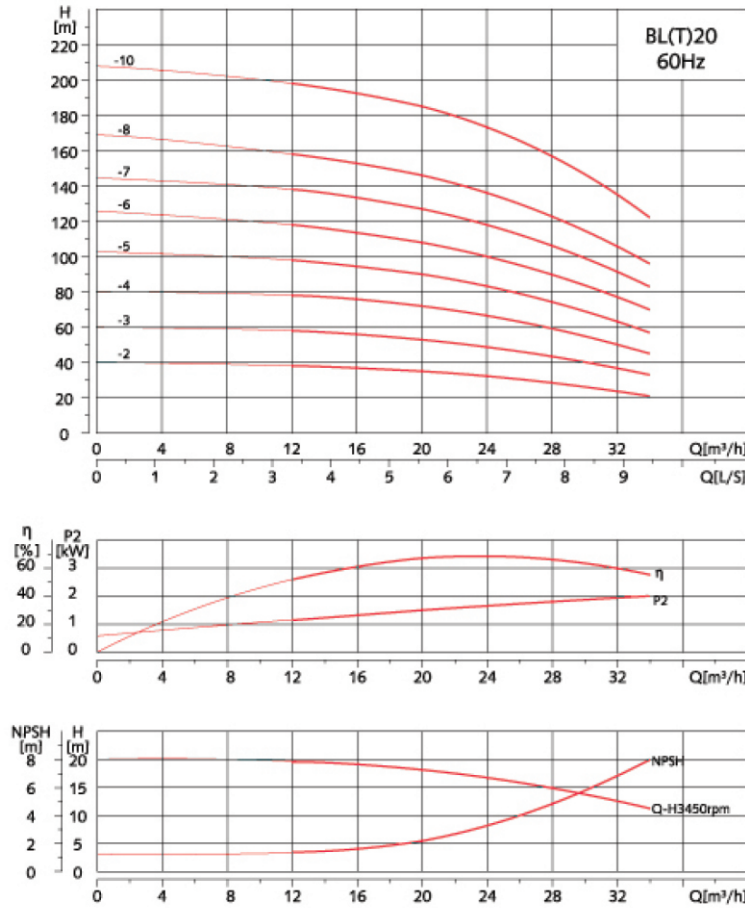
Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	10	12	14	16	18	20	22	24	26	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL16-2/BLT16-2	4	H (m)	38	37.5	37	36	34	32	30	27	24	411	340	751	240	190	53/60	61/68
BL16-3/BLT16-3	5.5		57	56	55	54	51	48	45	40	36	491	390	881	275	210	72/80	81/88
BL16-4/BLT16-4	7.5		76	75	73	72	68	64	60	54	49	536	390	926	275	210	78/86	87/95
BL16-5/BLT16-5	11		96	94	92	90	85	80	75	68	62	611	505	1116	330	255	158/165	168/176
BL16-6/BLT16-6	11		115	113	111	108	102	96	91	82	75	656	505	1161	330	255	159/167	171/178
BL16-7/BLT16-7	15		135	132	129	126	119	113	106	96	88	701	505	1206	330	255	171/178	183/191
BL16-8/BLT16-8	15		155	152	148	144	137	130	122	111	101	746	505	1251	330	255	172/780	185/193
BL16-10/BLT16-10	18.5		197	192	187	181	174	165	153	141	127	836	560	1396	330	255	190/198	205/213

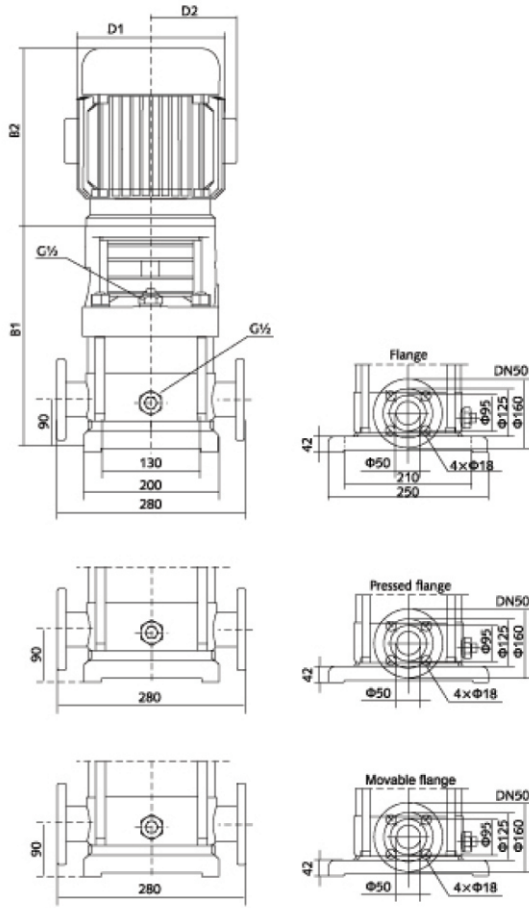
BL(T)20

60Hz

Performance curve



Installation and Size



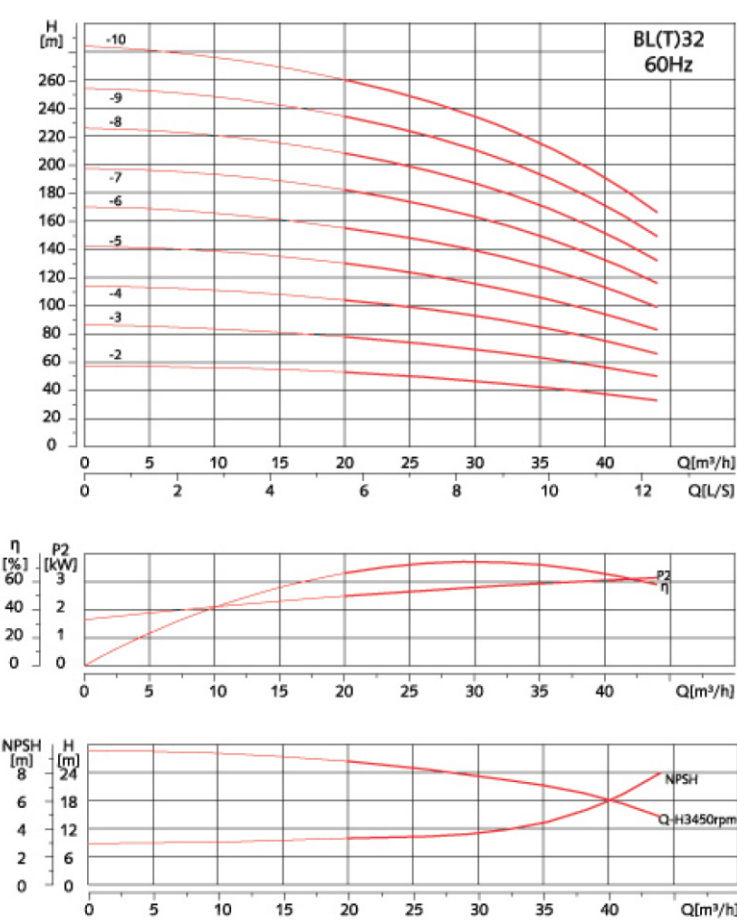
Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	12	16	20	24	28	32	34	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL20-2/BLT20-2	4	H (m)	38	37	36	33	29	26	22	411	340	751	240	190	53/60	61/68
BL20-3/BLT20-3	5.5		58	56	55	50	43	39	35	491	390	881	275	210	72/80	81/89
BL20-4/BLT20-4	7.5		78	75	73	67	58	51	48	536	390	926	275	210	78/86	87/95
BL20-5/BLT20-5	11		98	94	89	84	73	64	58	611	505	1116	330	255	158/166	169/176
BL20-6/BLT20-6	11		118	113	108	101	88	77	71	656	505	1161	330	255	160/167	171/179
BL20-7/BLT20-7	15		138	133	128	118	101	91	84	701	505	1206	330	255	171/179	184/191
BL20-8/BLT20-8	15		158	147	147	135	117	105	96	746	505	1251	330	255	172/180	185/193
BL20-10/BLT20-10	18.5		198	185	184	172	147	137	122	836	505	1396	330	255	190/198	205/213

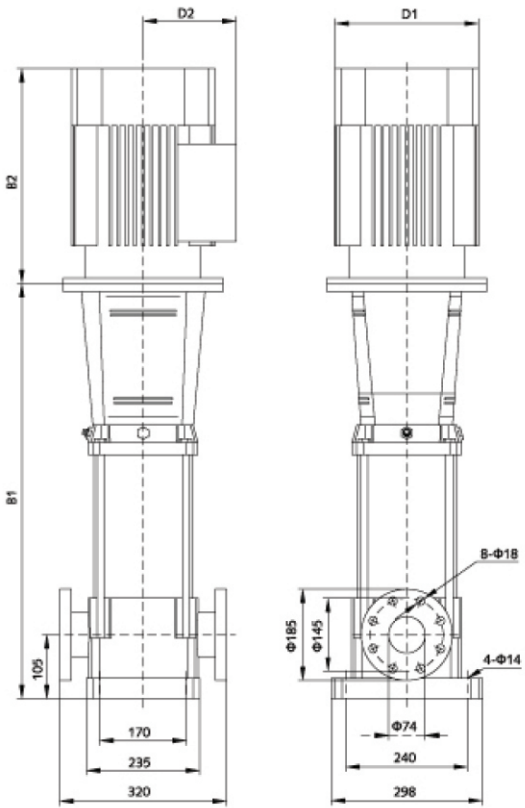
BL(T)32

60Hz

Performance curve



Installation and Size



Main Technical Parameter List

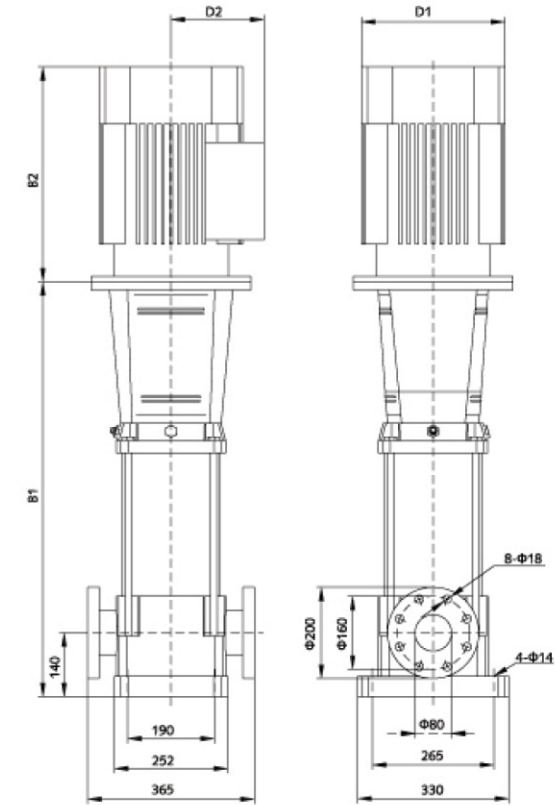
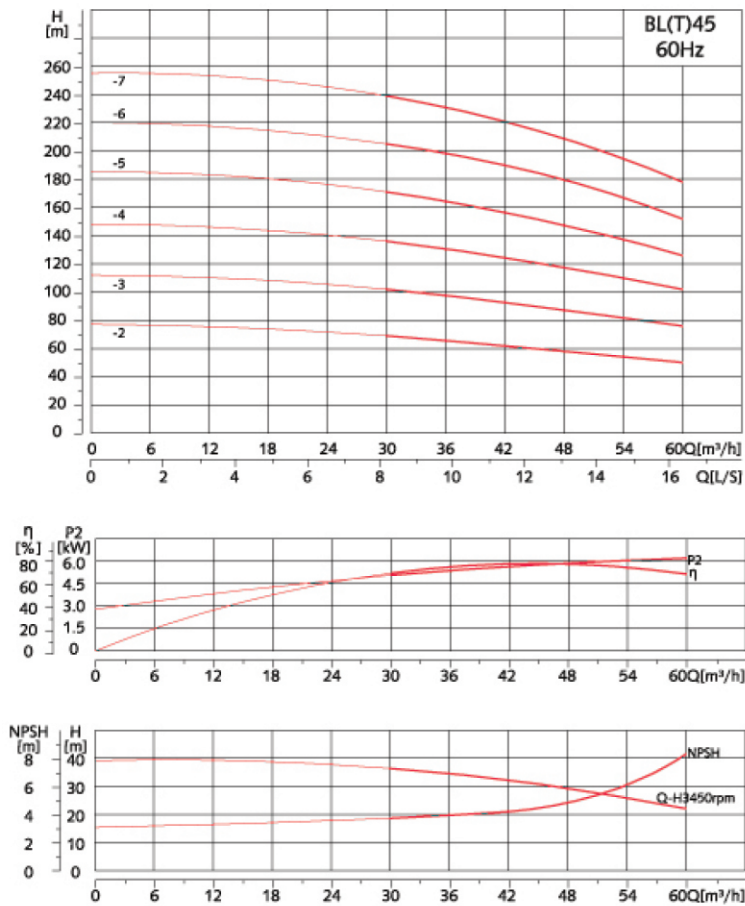
Model	Power (kW)	Q(m³/h)	20	24	28	32	36	40	44	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL32-2/BLT32-2	7.5	H (m)	52	50	48	45	41	37	33	654	390	1044	275	210	94/99	123/128
BL32-3/BLT32-3	11		78	75	71	67	62	56	50	754	505	1259	330	255	177/182	206/211
BL32-4/BLT32-4	15		104	101	96	90	83	75	66	824	505	1329	330	255	191/196	220/225
BL32-5/BLT32-5	18.5		130	125	119	112	104	94	83	894	560	1454	330	255	210/216	245/251
BL32-6/BLT32-6	18.5		155	150	144	135	125	114	100	964	560	1524	330	255	214/220	249/255
BL32-7/BLT32-7	22		182	176	168	158	146	133	117	1034	590	1624	380	280	248/254	283/289
BL32-8/BLT32-8	30		208	201	192	181	167	152	132	1104	660	1764	420	305	313/319	354/360
BL32-9/BLT32-9	30		234	226	216	204	189	172	152	1174	660	1834	420	305	317/323	358/364
BL32-10/BLT32-10	30		260	251	240	227	211	192	175	1244	660	1904	420	305	321/327	362/368

BL(T)45

60Hz

Performance curve

Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	30	35	40	45	50	55	60	B1	B2	B1+B2	D1	D2	N.W. (kg)	G.W. (kg)
BL45-2/BLT45-2	15	H (m)	69	67	65	60	58	55	50	745	505	1250	330	255	196/203	224/231
BL45-3/BLT45-3	18.5		102	100	97	90	88	82	76	825	560	1385	330	255	214/222	247/255
BL45-4/BLT45-4	30		136	133	129	121	117	112	102	905	660	1565	420	305	310/317	343/350
BL45-5/BLT45-5	30		171	166	161	152	145	138	126	985	660	1645	420	305	314/322	347/355
BL45-6/BLT45-6	37		205	200	193	185	176	166	152	1065	660	1725	420	305	330/338	365/373
BL45-7/BLT45-7	45		239	232	226	215	204	194	178	1145	710	1855	470	335	387/395	431/439

BW/BWJ(T)

Light-type Stainless Steel Horizontal
Multistage Centrifugal Pump

Product Introduction

BW, BWJ(T) Light-type stainless steel horizontal multistage centrifugal pumps are non-self priming pumps absorbing the advanced technology from home and abroad. They are classified into two kinds: cylinder type and sectional type. They adopt horizontal motor and alloy mechanical seal, which makes the replacement more convenient. The overflowing part of the pump is made of stainless steel 304, applicable for light-corrosion medium. Relying on the high efficiency, energy saving performance, reliable quality, wide usable range, our products receive the great popularity after being launched.

Feature

1. The premium hydraulic model and advanced workmanship greatly improve the pumps' performance and extend the service life.
2. Adopting hard alloy and fluorine rubber for the mechanical seal, which ensures the pumps' operation and endures high temperature of transmission medium.
3. As the overflowing part of pump is stamped and welded by stainless steel plate, which is suitable for slightly aggressive liquids.
4. We provide intelligent protector to avoid dry running, default phase and over loading of the pump to meet customers' demand.
5. The motor is with lengthening shaft, axial water inlet and radial water outlet.

Working Condition

1. Temperature range of medium: Normal type 0-+68℃, hot water type 0-+120℃
2. Maximum ambient temperature: +40℃
3. Maximum working pressure: 10 bar
4. When the density or viscosity of the transmission medium exceeds that of water, it is necessary to select a driving motor of high-power.

Transmission Medium

1. Thin and clean non-flammable and non-explosive liquid without solid particle or fibres.
2. Mineral water, softened water, pure water, edible vegetable oil and other light chemical mediums.
3. The main material of pump is stainless steel, which is suitable for slightly aggressive liquids.

Motor's Selection

Full-enclosed and ventilating two-pole standard motor
protection class: IP55
Insulation class: F
Standard voltage (50Hz): Single phase 220V Three phase: 380V

BW/BWJ(T) Light-type Stainless Steel Vertical Multistage Centrifugal Pump

Application

- Air conditioner system

Industrial cleansing

Aquaculture

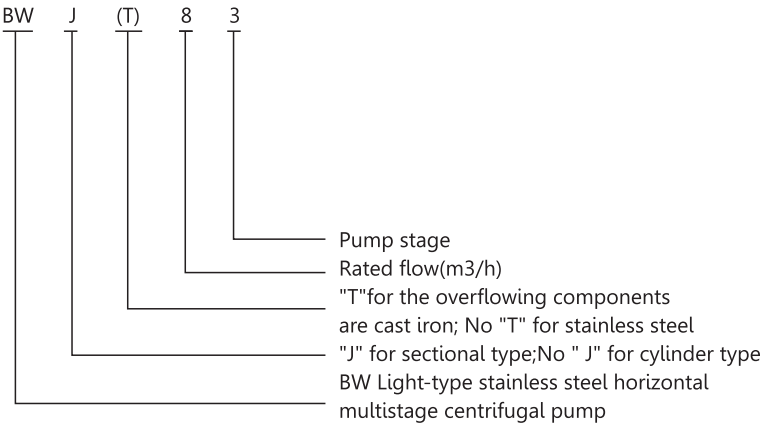
Environmental application
- Cooling System

Water processing(Water purification)

Fertilization/measuring system

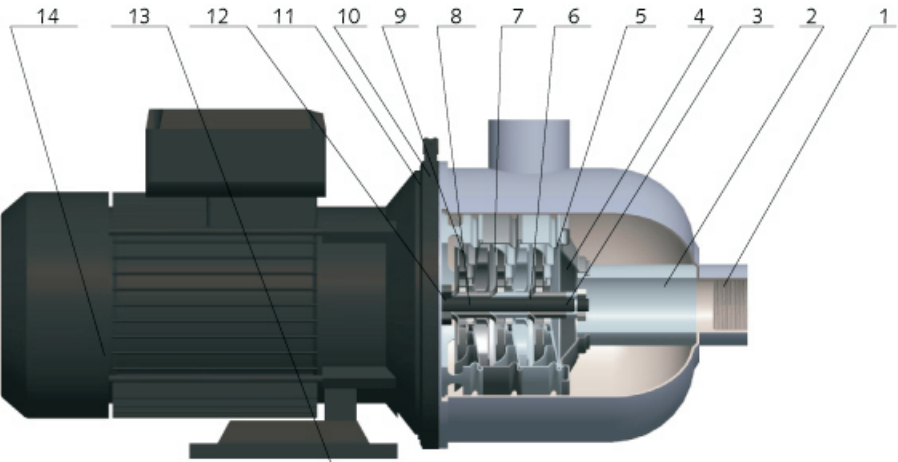
Other special applications

Model Instructions

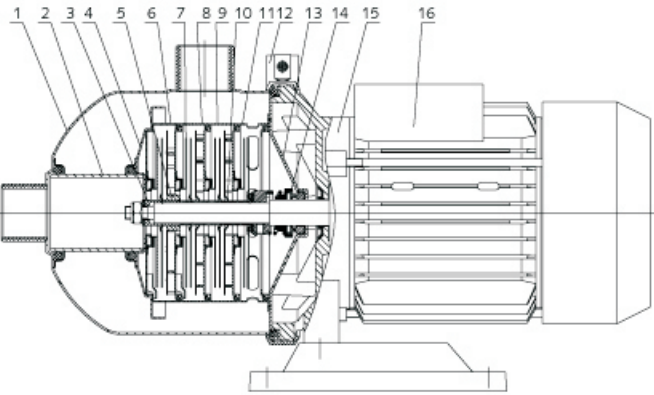


Light-type Stainless Steel Vertical Multistage Centrifugal Pump **BW/BWJ(T)**

BW Structural Sketch



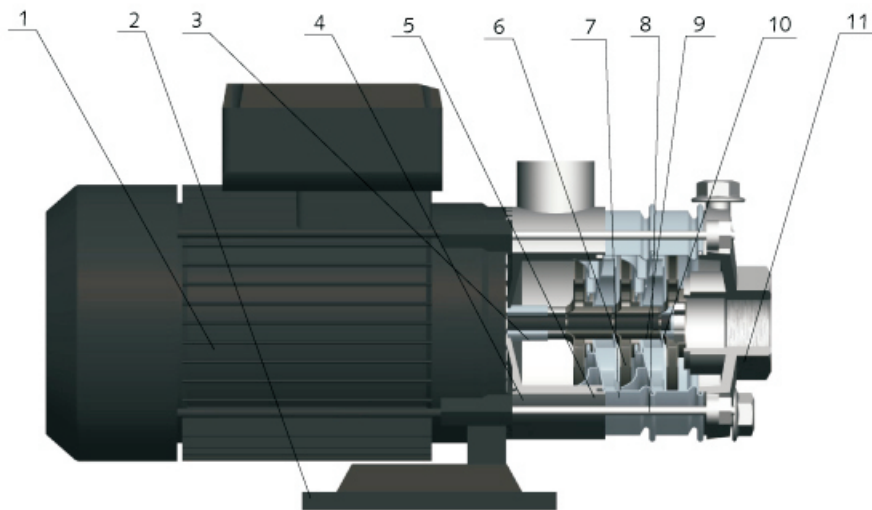
No.	Name
1	Pressure-resistant components
2	Connection pipe
3	Lining
4	Platen component
5	Inlet fluid director
6	Impeller
7	Fluid director
8	Round bush
9	Outlet fluid director
10	Front cover component
11	Hooping component
12	Mechanical seal
13	Base
14	motor



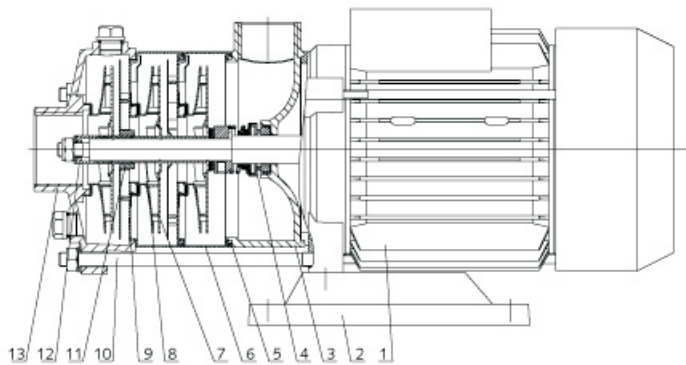
No.	Name	Material
1	Pressure-resistant components	Stainless steel
2	Adapting pipe	Stainless steel
3	Lining	Stainless steel
4	Platen component	Stainless steel
5	Bearing	Hard alloy
6	Inlet fluid director	Stainless steel
7	Impeller	Stainless steel
8	Fluid director with bearings	Stainless steel
9	Fluid director	Stainless steel
10	Round bush	Stainless steel
11	Outlet fluid director	Stainless steel
12	Hooping component	Stainless steel
13	Front cover component	Stainless steel
14	Mechanical seal	Hard alloy-Fluorine rubber
15	Base	HT200
16	motor	Horizontal motor(lengthening shaft)

BW/BWJ(T) Light-type Stainless Steel Vertical
Multistage Centrifugal Pump

BWJ(T) Structural Sketch



No.	Name
1	Motor
2	Base
3	Water outlet shell
4	Mechanical seal
5	O-ring
6	Impeller
7	Fluid director
8	Pull-rod
9	Round bush
10	Lining
11	Water inlet shell



No.	Name	Material
1	Motor	Horizontal motor
2	Base	Ht200
3	Water outlet shell	Stainless steel
4	Mechanical seal	Hard alloy-Fluorine rubber
5	Sealing gasket	Waterproof paper
6	Fluid director	Stainless steel
7	Impeller	Stainless steel
8	Fluid director	Stainless steel
9	Fluid director with bearings	Stainless steel
10	Double-end studs	Q235A
11	Bearing	Hard alloy
12	Lining	Stainless steel
13	Water inlet shell	Stainless steel



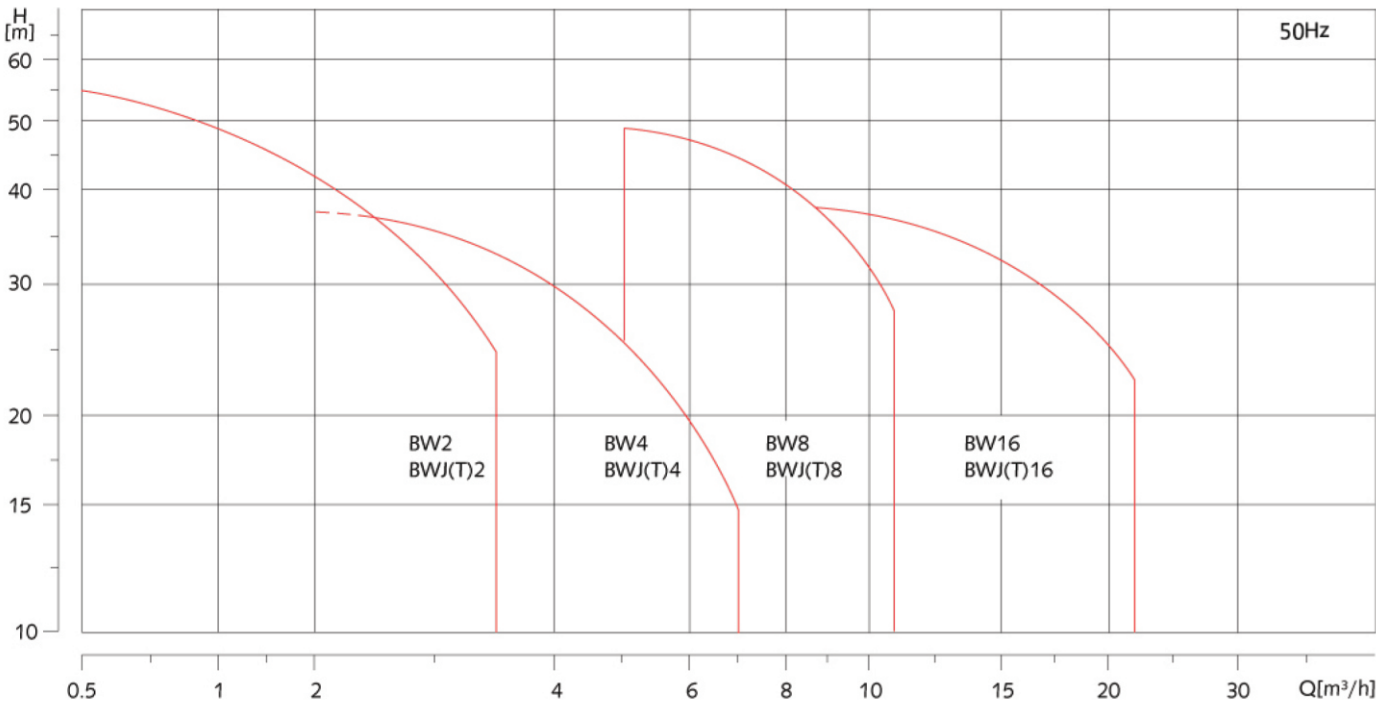
BW/BWJ(T)
Light-type Stainless Steel Vertical
Multistage Centrifugal Pump
50Hz



BW/BWJ(T)

50Hz

Performance curve



- All performance curves are baese on the measured values when a motor works under voltage of 380V, at a constant speed of 2900r/min.
- The capability of flow and head conforms to ISO9001.
- Measurement is done in 20℃ air-free water of which viscosity is 1mm2/s.
- The operation of pump shall refer to the performance range marked in green curve so as to avoid damages caused by over-load.

Product Scope

Model	BW2/BWJ(T)2	BW4/BWJ(T)4	BW8	BW16	BWJ(T)8	BWJ(T)16
Rated flow	2	4	8	16	8	16
Flow range	1-3.5	1.5-8	5--12	8-22	5-12	8-22
Max pressure(bar)	5.5	4	5	4	5	4
Motor power(kw)	0.37-0.75	0.37-0.75	0.75-2.2	2.2-3	0.75-2.2	2.2-3
Temperature range	Normal type:0- +68 Hot water type"0 - +120					
Max efficiency	46	59	64	70	64	70
Outlet	G1	G1	G2	G2	G1 1 4	G1 1 4
inlet	G1	G1 1 4	G2	G2	G1 1 2	G1 1 2

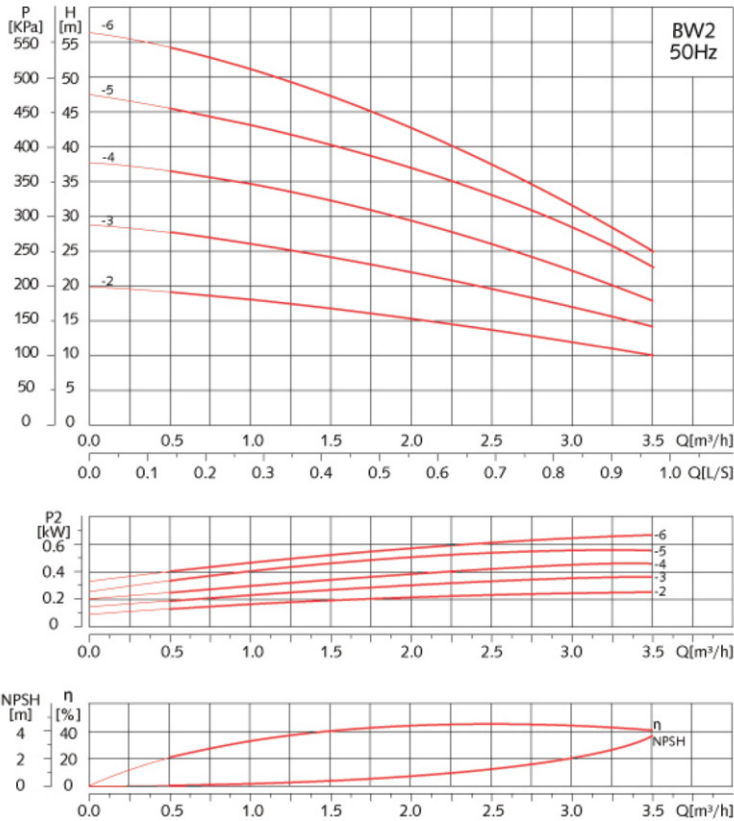
Minimun inlet pressure

Figure NPSH curve + minimun safety margin 0.5m delivery head.

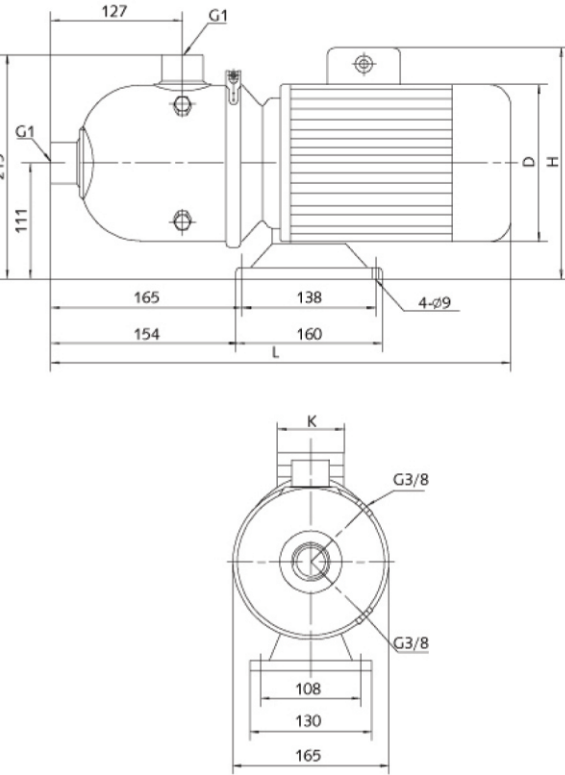
BW2

50Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5
BW2-2	0.37	H (m)	19	18	16	14	13	11	9
BW2-3	0.37		28	27	24	21	20	17	14
BW2-4	0.55		36	34	32	28	26	23	17
BW2-5	0.55		46	43	10	35	33	28	22
BW2-6	0.75		54	50	48	42	38	33	25

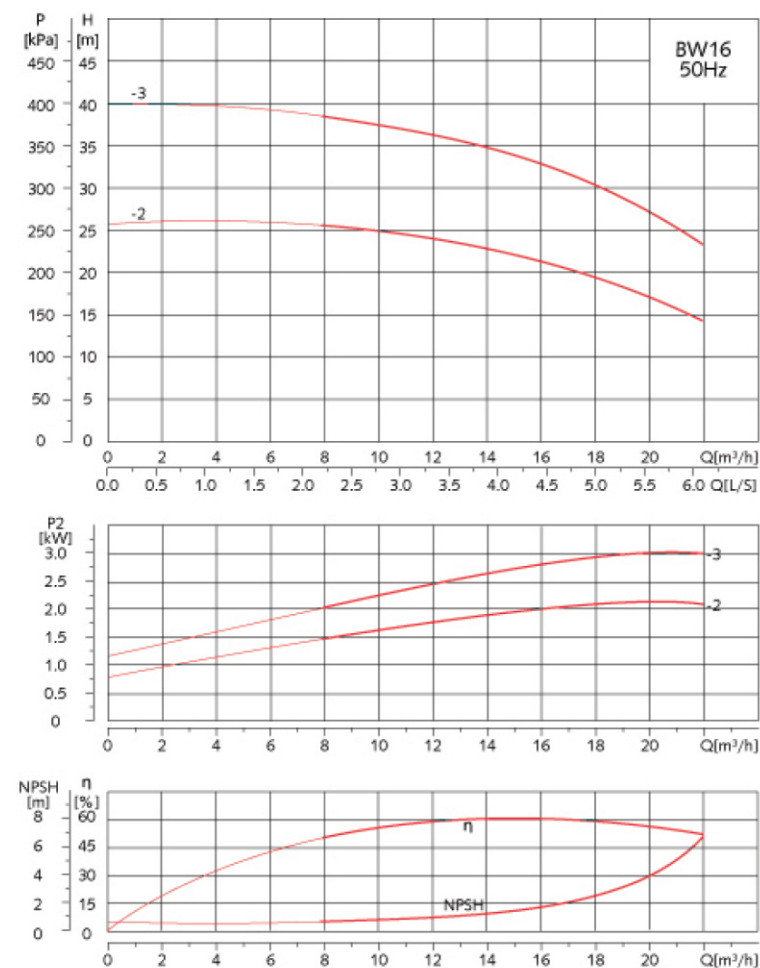
Installation & Weight

Model	L(mm)	D(mm)	H(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BW2-2	402	137	219	75	9.3	10.5
BW2-3	402	137	219	75	10.3	11.5
BW2-4	402	137	219	75	11.3	12.5
BW2-5	402	137	219	75	12.3	13.5
BW2-6	419	156	229	75	14.3	15.5

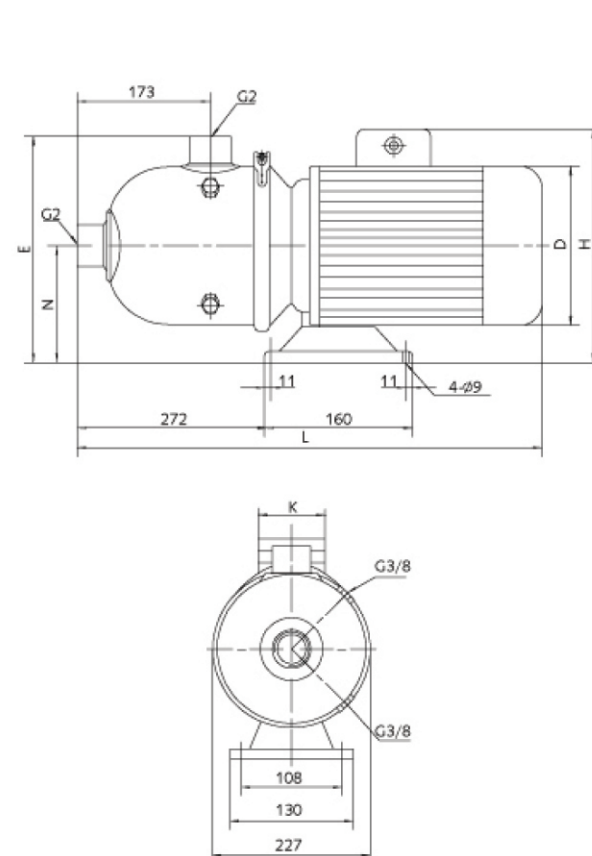
Bw16

50Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	8	10	12	14	16	18	20	22
BW16-2	2.2	H	25.5	24	23	22	21	19	17	14.5
BW16-3	3	(m)	38.5	37	36	34	32	30	27	23

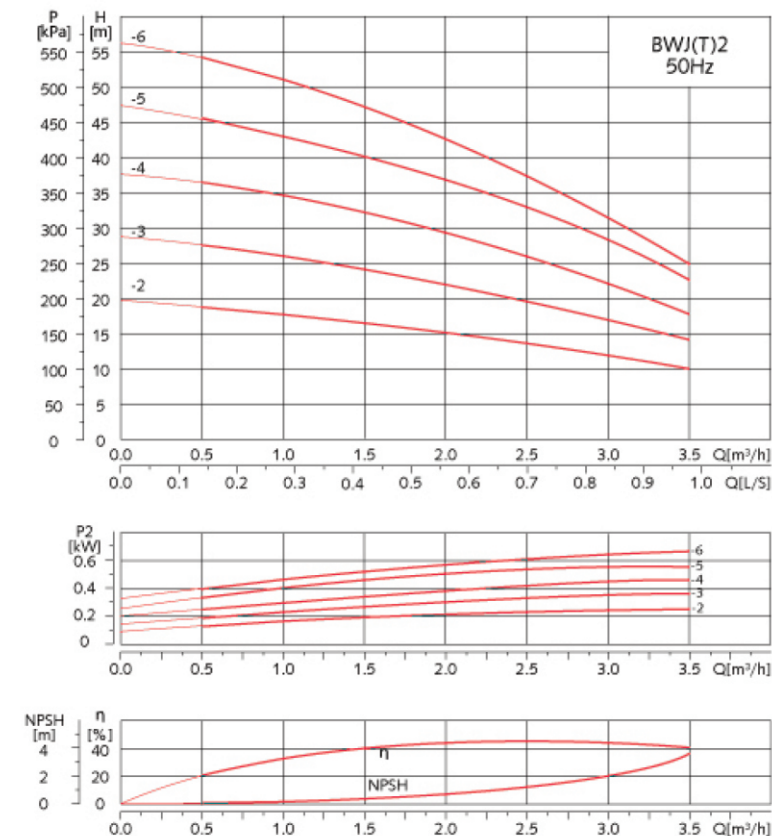
Installation & Weight

Model	L(mm)	L1(mm)	E(mm)	N(mm)	D(mm)	H(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BW16-2	590	282	266	118	169	246	98.5	26.0	27.5
BW16-3	627	282	278	130	194	263	98.5	33.3	34.8

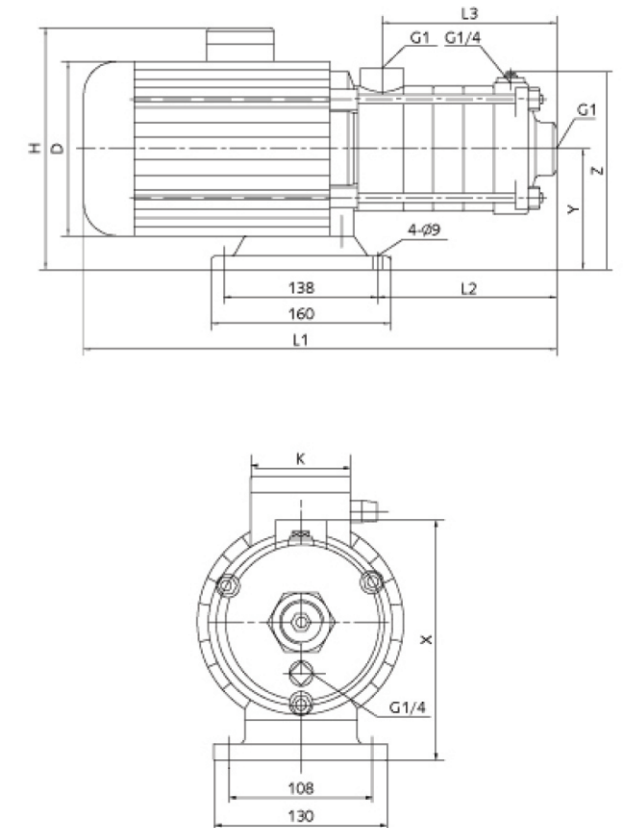
BWJ(T)2

50Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5
BWJ2-2/BWJT2-2	0.37	H	19	18	16	14	13	11	9
BWJ2-3/BWJT2-3	0.37		28	27	24	21	20	17	14
BWJ2-4/BWJT2-4	0.55		36	34	32	28	26	23	17
BWJ2-5/BWJT2-5	0.55		46	43	40	35	33	28	22
BWJ2-6/BWJT2-6	0.75		54	50	48	42	38	33	25

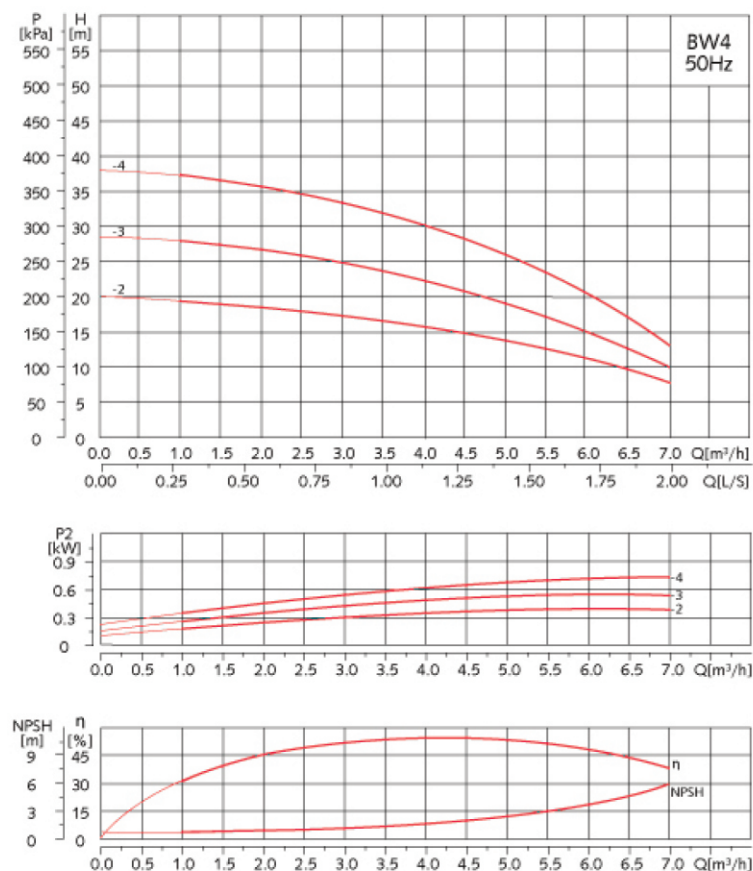
Installation & Weight

Model	L1(mm)	L2(mm)	L3(mm)	D(mm)	H(mm)	X(mm)	Y(mm)	Z(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BWJ2-2/BWJT2-2	317	77	88	137	208	173	100	172	75	9.3	10.5
BWJ2-3/BWJT2-3	335	95	106	137	208	173	100	172	75	9.8	11.0
BWJ2-4/BWJT2-4	353	113	124	137	208	173	100	172	75	10.6	11.8
BWJ2-5/BWJT2-5	371	131	142	137	229	173	100	172	75	11	12.2
BWJ2-6/BWJT2-6	445	151	160	156	229	184	111	180	75	15.6	16.8

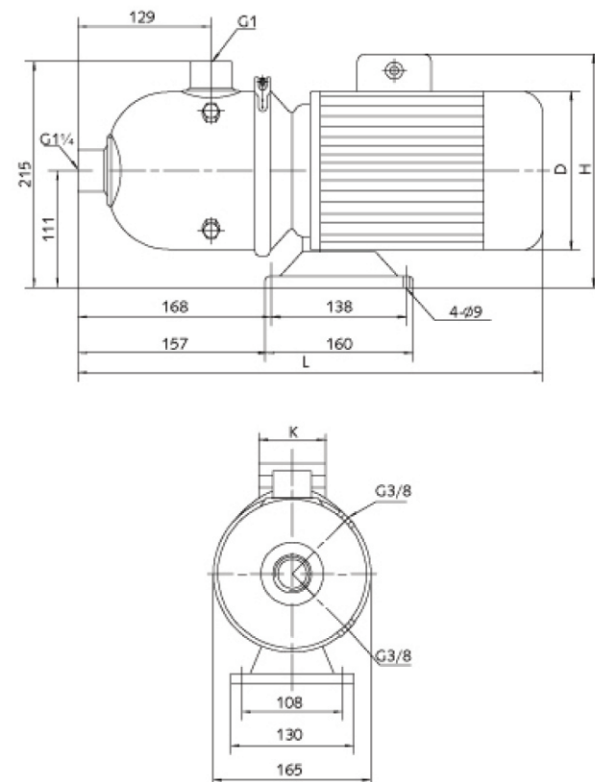
BW4

50Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	1	2	3	4	5	6	7
BW4-2	0.37	H (m)	19	18	16	15	13	10	7
BW4-3	0.55		28	27	24	22	19	15	10
BW4-4	0.75		38	36	32	30	26	20	14

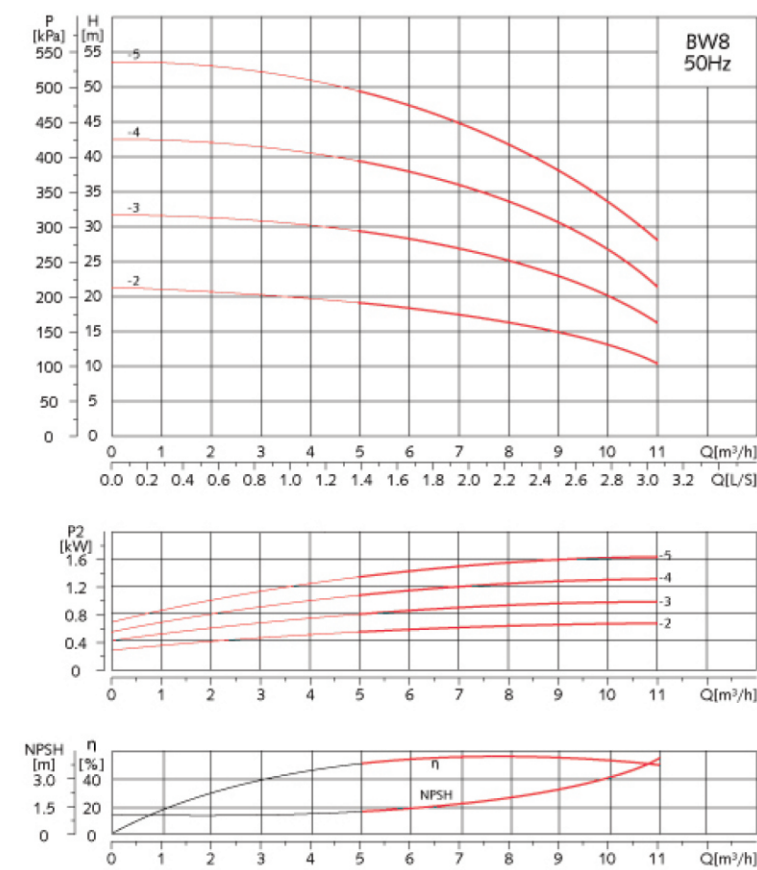
Installation & Weight

Model	L(mm)	D(mm)	H(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BW4-2	404	137	219	75	10.3	11.5
BW4-3	404	137	219	75	11.8	13.0
BW4-4	426	156	229	75	14.3	15.5

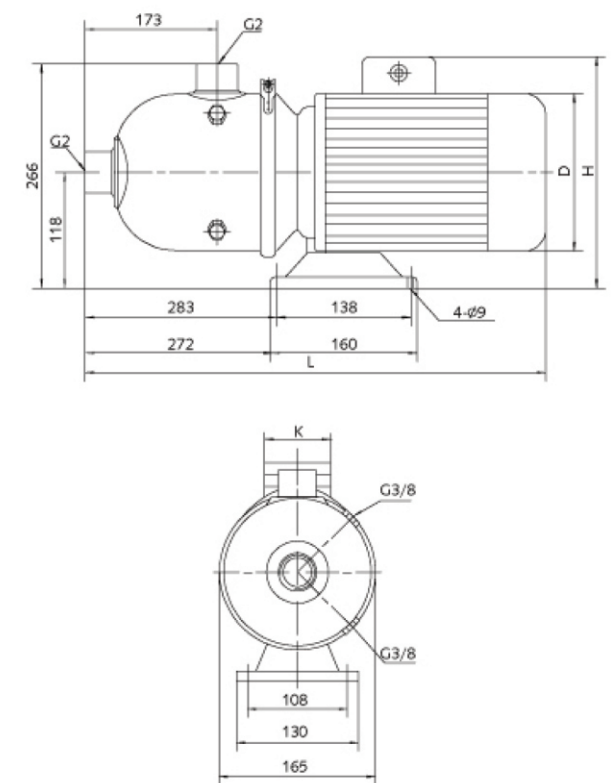
BW8

50Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	5	6	7	8	9	10	11
BW8-2	0.75	H (m)	19	18.5	18	17	15	13	11
BW8-3	1.1		29	28	27	25.5	22.5	20	17.5
BW8-4	1.5		39	38	36	34	30	26.5	22.5
BW8-5	2.2		49	47	45	42.5	38	33.5	28

Installation & Weight

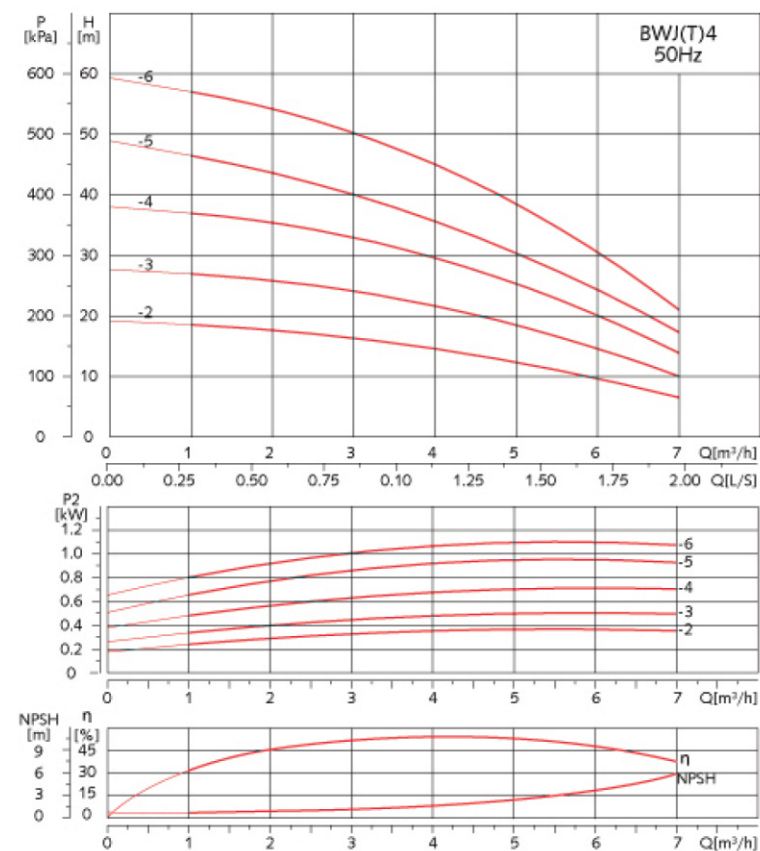
Model	L(mm)	D(mm)	H(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BW8-2	539	156	236	75	13.0	14.5
BW8-3	539	156	236	75	19.0	20.5
BW8-4	590	169	246	98.5	23.0	24.5
BW8-5	590	169	246	98.5	23.5	25.0

BW/BWJ(T) Light-type Stainless Steel Vertical Multistage Centrifugal Pump

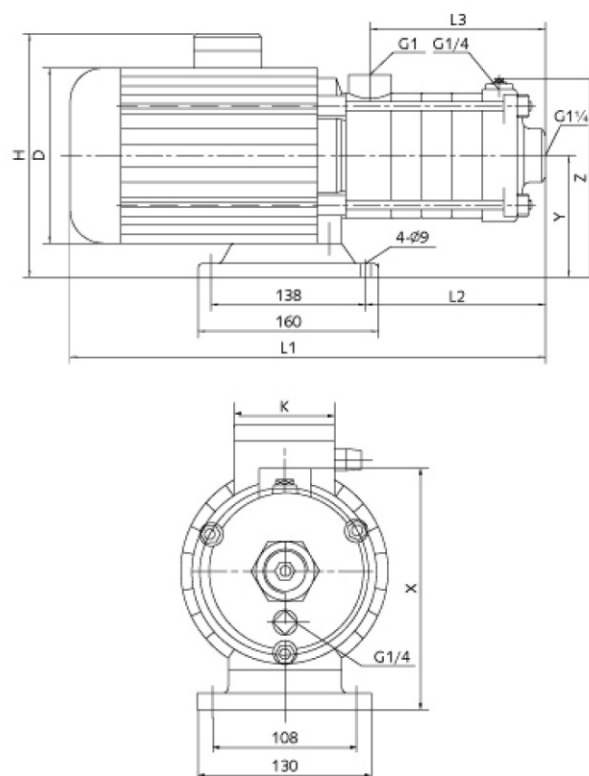
BWJ(T)4

50Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	1	2	3	4	5	6	7
BWJ4-2/BWJT4-2	0.37	H (m)	19	18	16	15	13	10	7
BWJ4-3/BWJT4-3	0.55		28	27	24	22	19	15	10
BWJ4-4/BWJT4-4	0.75		38	36	32	30	26	20	14
BWJ4-5/BWJT4-5	1.1		47	45	40	37	32	25	17
BWJ4-6/BWJT4-6	1.1		57	54	48	45	39	30	21

Installation & Weight

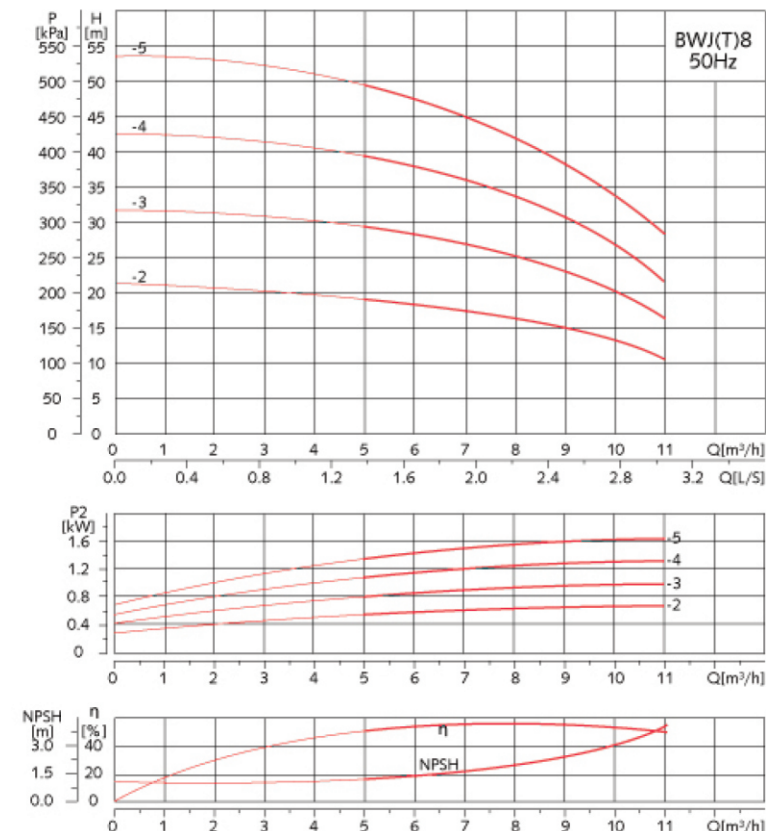
Model	L(mm)	L2(mm)	L3(mm)	D(mm)	H(mm)	X(mm)	Y(mm)	Z(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BWJ4-2/BWJT4-2	335	95	105	137	208	173	100	172	75	9.8	11
BWJ4-3/BWJT4-3	362	122	133	137	208	173	100	172	75	10.8	12
BWJ4-4/BWJT4-4	445	151	160	156	229	184	111	180	75	14.3	15.5
BWJ4-5/BWJT4-5	472	178	187	156	229	184	111	180	75	17.6	18.8
BWJ4-6/BWJT4-6	499	232	214	156	229	184	111	180	75	18.3	19.5

Light-type Stainless Steel Vertical Multistage Centrifugal Pump BW/BWJ(T)

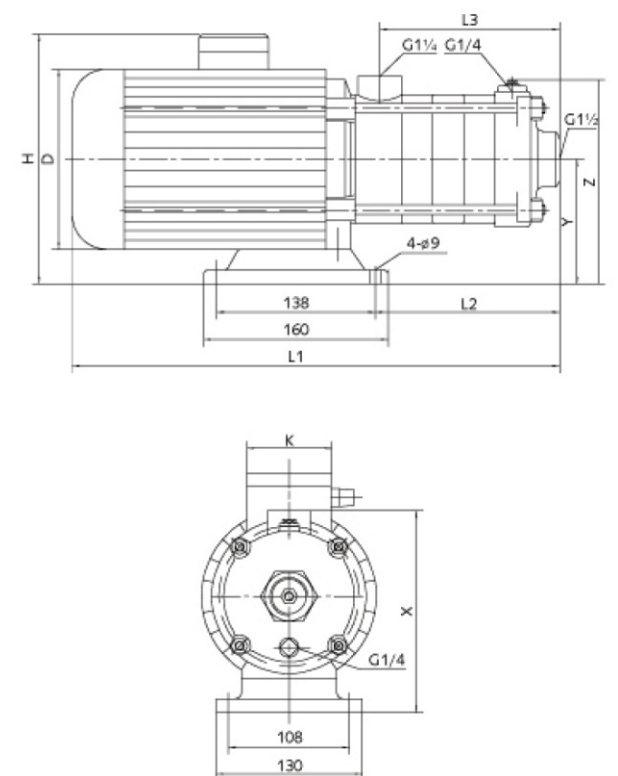
BWJ(T)8

50Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	5	6	7	8	9	10	11
BWJ8-2/BWJT8-2	0.75	H (m)	19	18.5	18	17	15	13	11
BWJ8-3/BWJT8-3	1.1		29	28	27	25.5	22.5	20	17.5
BWJ8-4/BWJT8-4	1.5		39	38	36	34	30	26.5	22.5
BWJ8-5/BWJT8-5	2.2		49	47	45	42.5	38	33.5	28

Installation & Weight

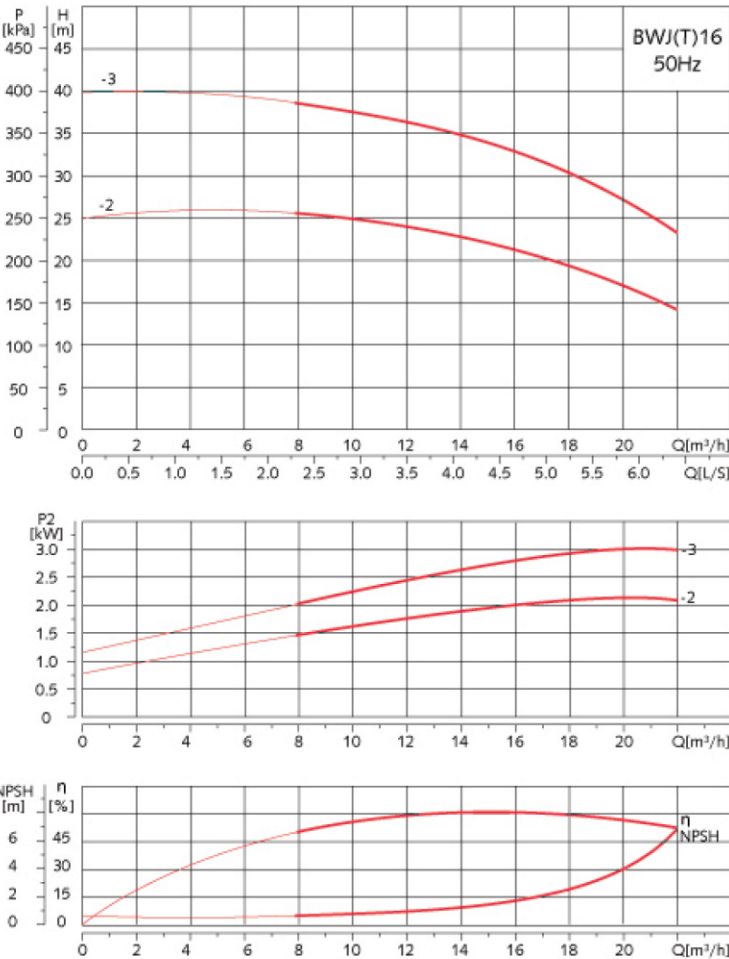
Model	L1(mm)	L2(mm)	L3(mm)	D(mm)	H(mm)	X(mm)	Y(mm)	Z(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BWJ8-2/BWJT8-2	376	111	107	156	232	219	114	201	75	17.9	19.4
BWJ8-3/BWJT8-3	406	141	137	156	232	219	114	201	75	20.0	21.5
BWJ8-4/BWJT8-4	503	171	167	169	246	223	118	206	98.5	24.5	26.0
BWJ8-5/BWJT8-5	533	201	197	169	246	223	118	206	98.5	27.1	28.6

BW/BWJ(T) Light-type Stainless Steel Vertical Multistage Centrifugal Pump

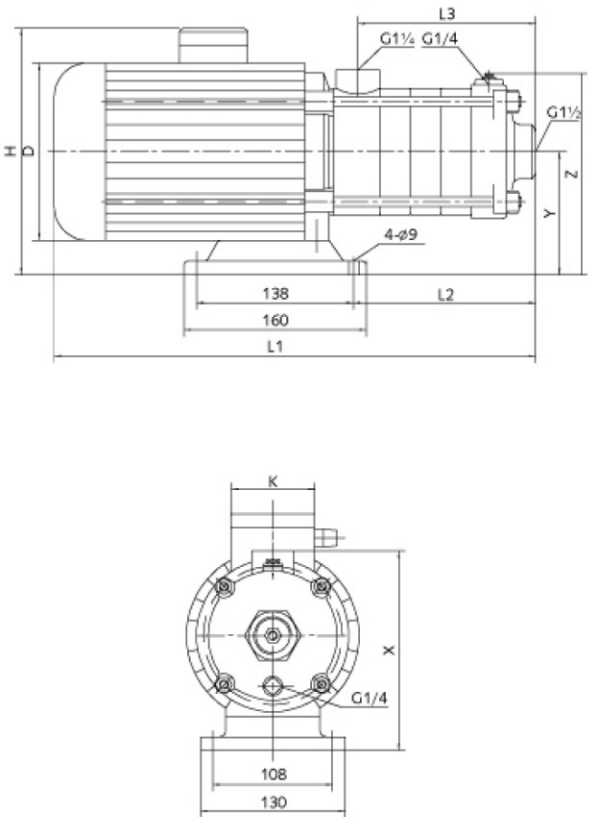
BWJ(T)16

50Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	8	10	12	14	16	18	20	22
BWJ16-2/BWJT16-2	2.2	H	25.5	24	23	22	21	19	17	14.5
BWJ16-3/BWJT16-3	3	(m)	38.5	37	36	34	32	30	27	23

Installation & Weight

Model	L1(mm)	L2(mm)	L3(mm)	D(mm)	H(mm)	X(mm)	Y(mm)	Z(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BWJ16-2/BWJT16-2	467	125	122	169	246	223	118	206	98.5	25.4	26.9
BWJ16-3/BWJT16-3	524	171	167	194	275	235	130	218	98.5	29.1	30.6

BW/BWJ(T)

Light-type Stainless Steel Vertical Multistage Centrifugal Pump

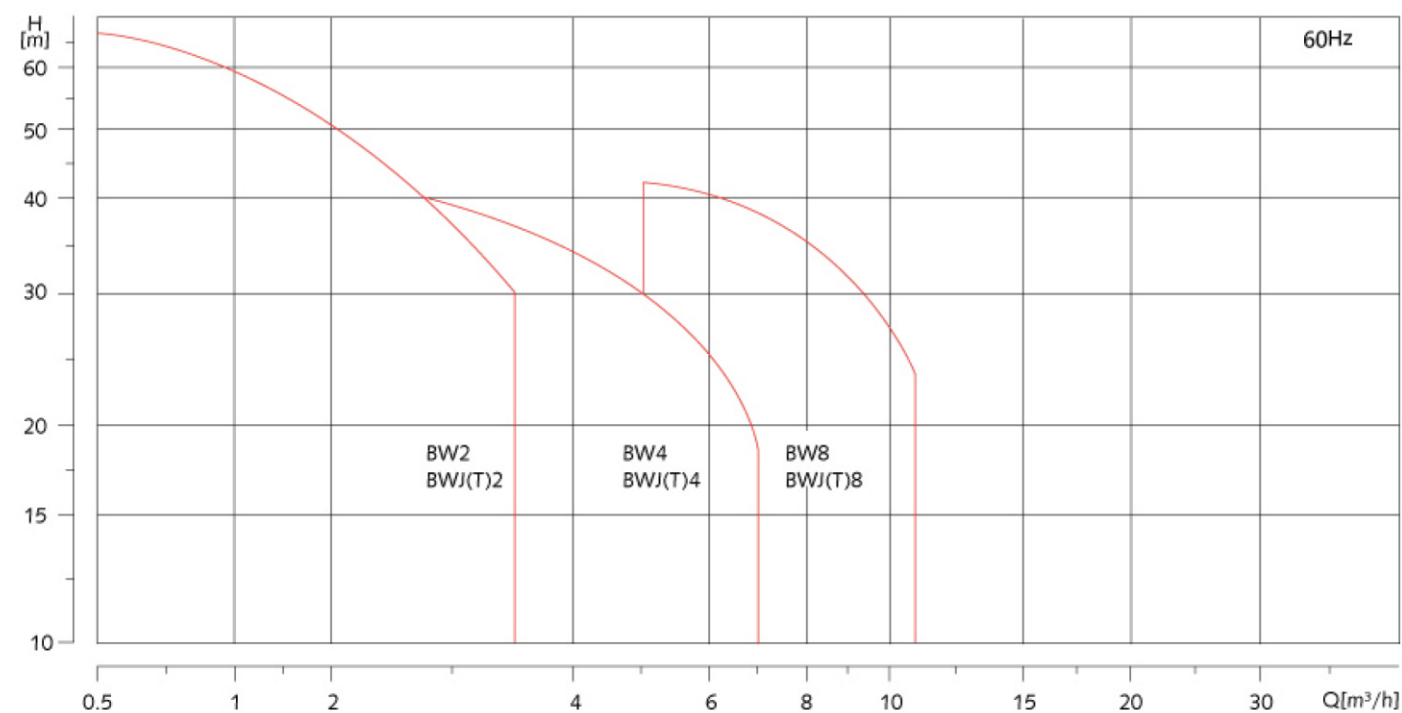
60Hz



BW/BWJ(T) Light-type Stainless Steel Vertical Multistage Centrifugal Pump

BW 60Hz

Performance curve



- All performance curves are baese on the measured values when a motor works under voltage of 380V, at a constant speed of 2900r/min.
- The capability of flow and head conforms to ISO9001.
- Measurement is done in 20℃ air-free water of which viscosity is 1mm2/s.
- The operation of pump shall refer to the performance range marked in green curve so as to avoid damages caused by over-load.

Product Scope

Model	BW2	BW4	BW8	BWJ(T)2	BWJ(T)4	BWJ(T)8
Rated flow	2	4	8	2	4	8
Flow range	1-4	2-8	6-13	1-4	2-8	6-13
Max pressure(bar)	4	3	4	4	3	4
Motor power(kw)	0.55-0.75	0.75	1.5-2.2	2.2-3	0.75-2.2	2.2-3
Temperature range	Normal type:0- +68			Hot water type: 0 - +120		
Max efficiency	46	59	64	46	59	64
Outlet	G1	G1 1 4	G2	G1	G1 1 4	G1 1 4
inlet	G1	G1	G2	G1	G1	G1 1 2

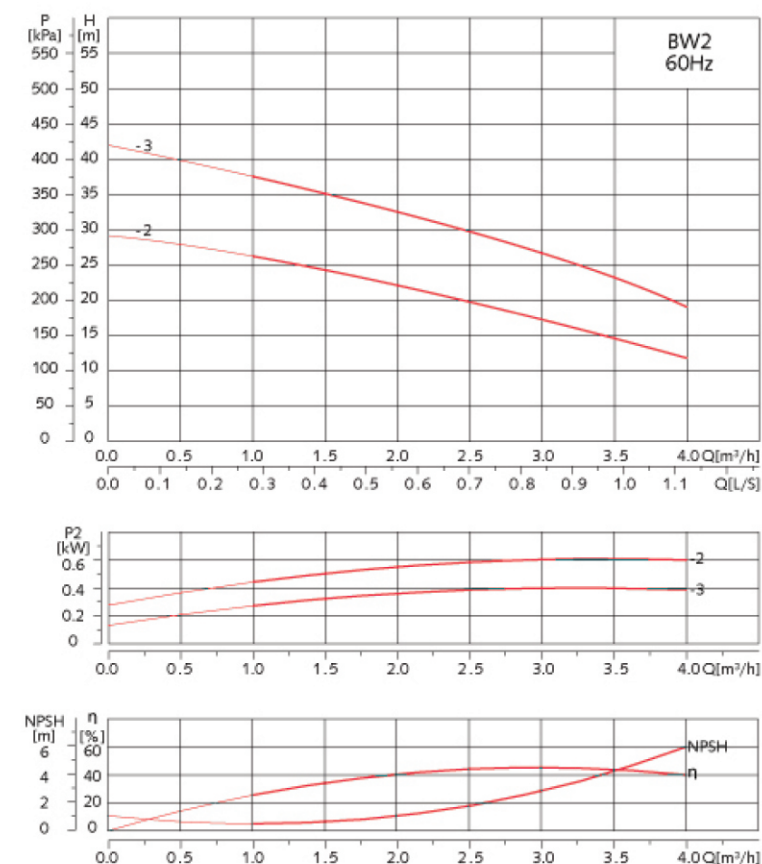
Minimun inlet pressure

Figure NPSH curve + minimun safety margin 0.5m delivery head.

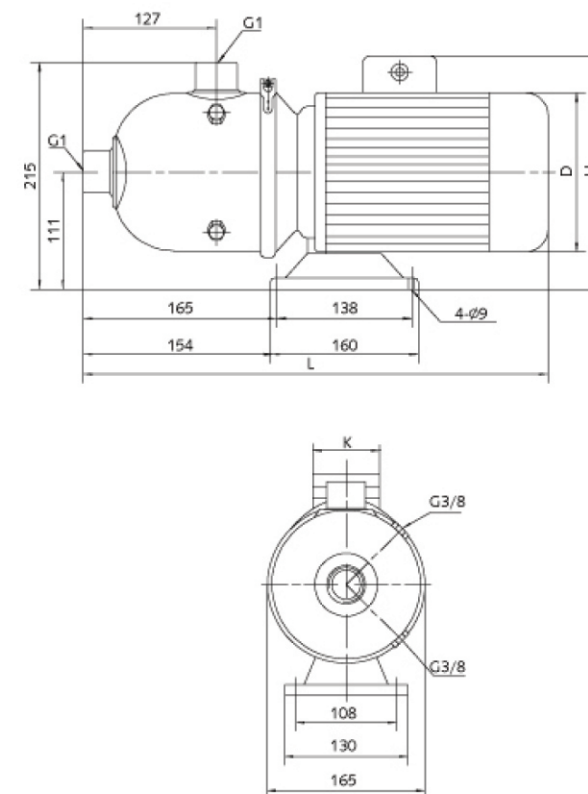
Light-type Stainless Steel Vertical Multistage Centrifugal Pump BW/BWJ(T)

BW2 60Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	1	1.5	2	2.5	3	3.5	4
BW2-2	0.55	H(m)	26	24	21	19	18	16	12
BW2-3	0.75		38	36	33	29	27	24	19

Installation & Weight

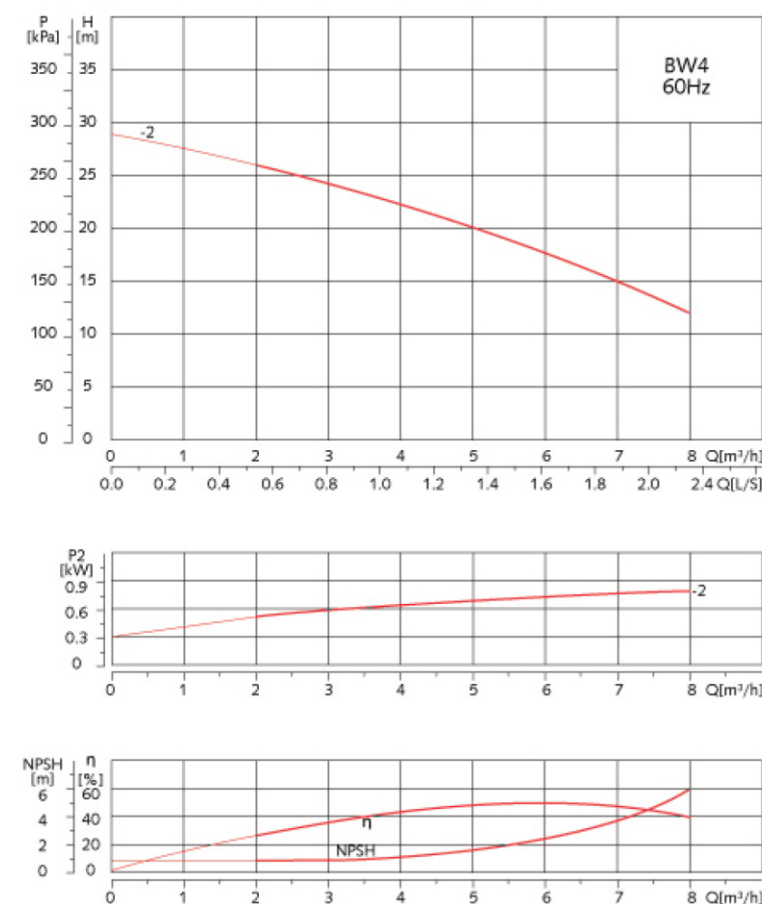
Model	L(mm)	D(mm)	H(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BW2-2	402	137	219	75	11.1	12.3
BW2-3	419	156	229	75	13.5	14.7

BW/BWJ(T) Light-type Stainless Steel Vertical Multistage Centrifugal Pump

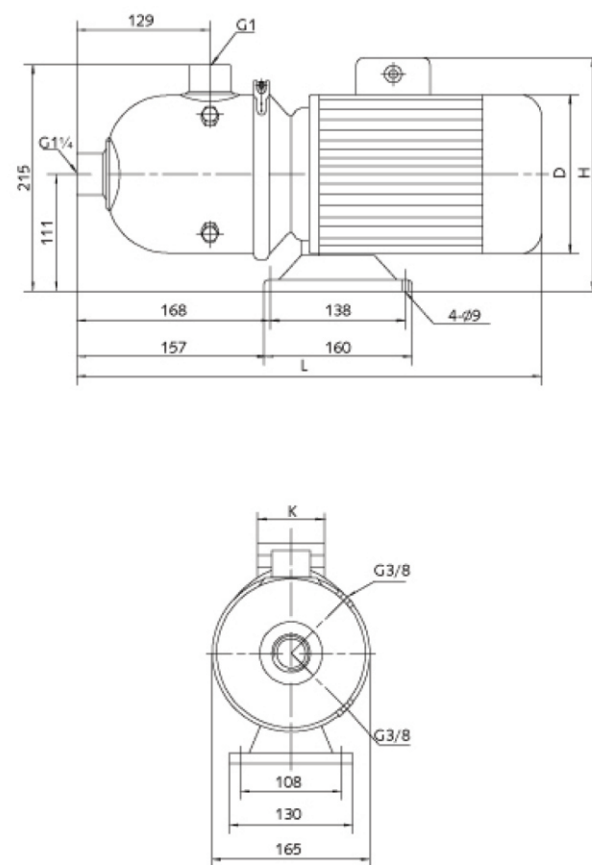
BW4

60Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	2	3	4	5	6	7	8
BW4-2	0.75	H(m)	26	24	22	21	19	16	12

Installation & Weight

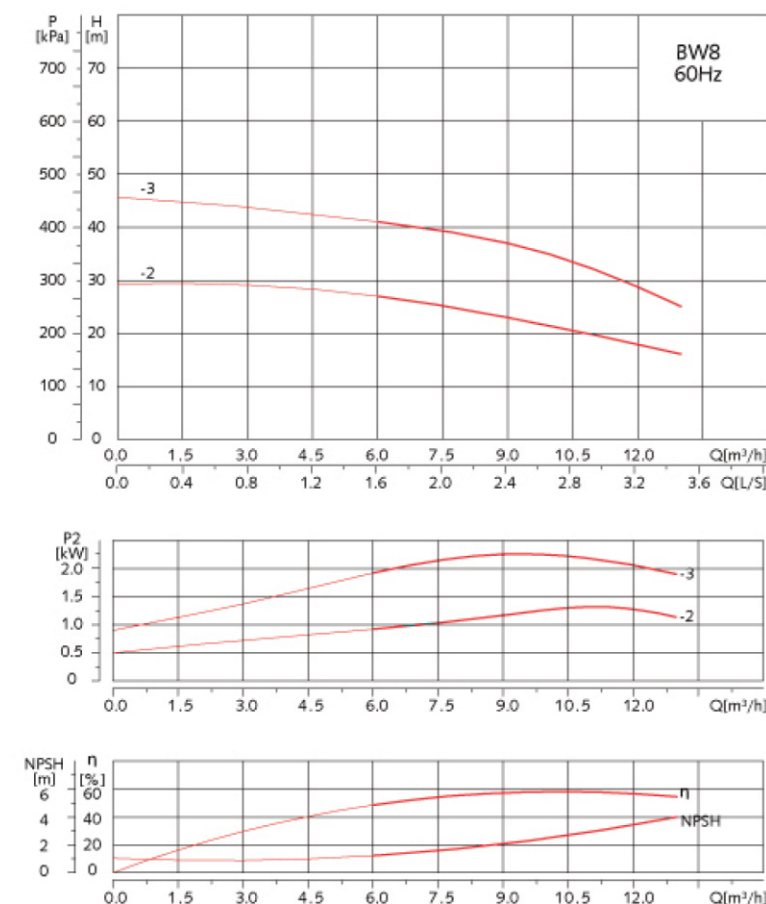
Model	L(mm)	D(mm)	H(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BW4-2	426	156	229	75	13.5	14.7

Light-type Stainless Steel Vertical Multistage Centrifugal Pump BW/BWJ(T)

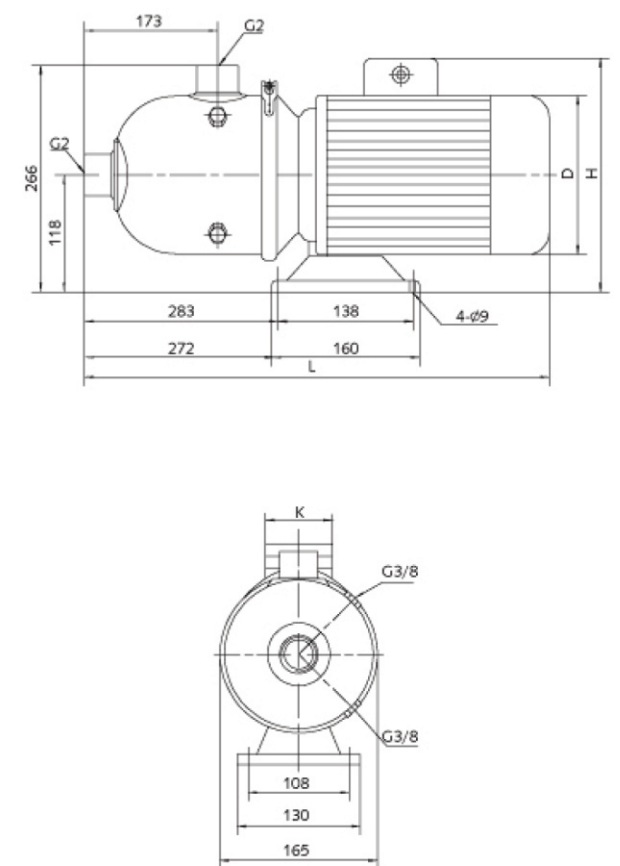
BW8

60Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	6	7	8	9	10	11	12	13
BW8-2	1.5	H(m)	27	26	25	24	23	21	19	16
BW8-3	2.2		41	40	39	37	34	33	29	25

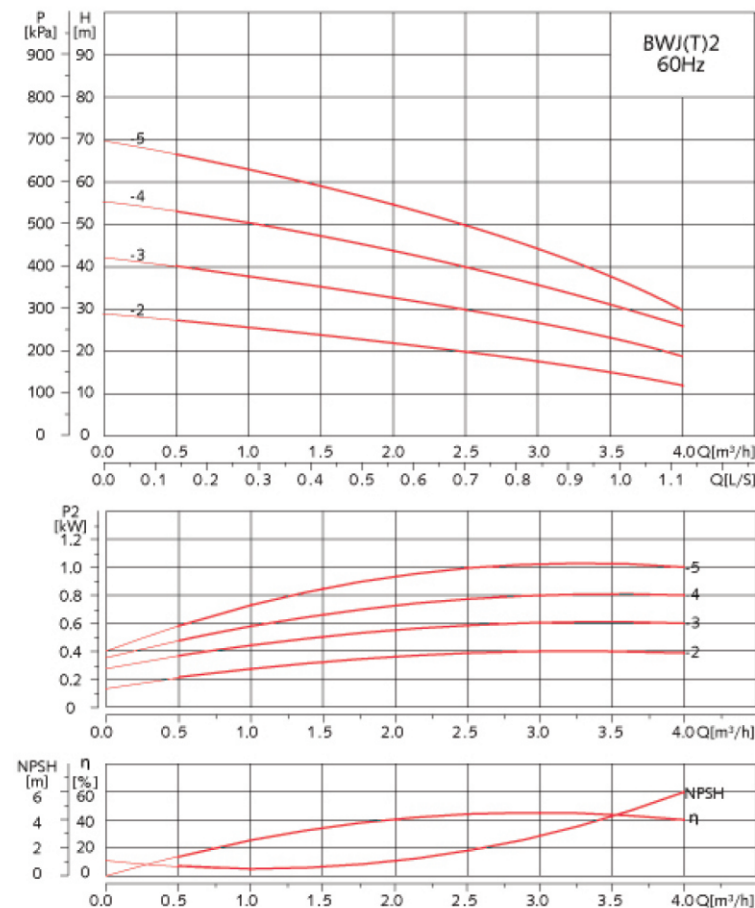
Installation & Weight

Model	L(mm)	D(mm)	H(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BW8-2	590	169	246	98.5	17.7	19.2
BW8-3	590	169	246	98.5	24.0	25.5

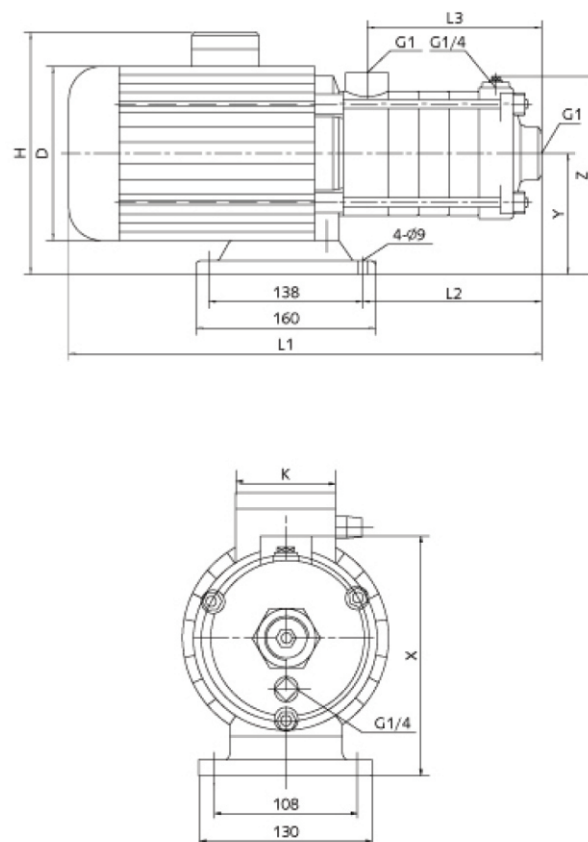
BWJ(T)2

60Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5
BWJ(T)2-2	0.55	H (m)	26	24	21	19	18	16	12
BWJ(T)2-3	0.75		38	36	33	29	27	24	19
BWJ(T)2-4	1.1		51	48	44	49	36	32	26
BWJ(T)2-5	1.1		63	60	55	50	46	60	30

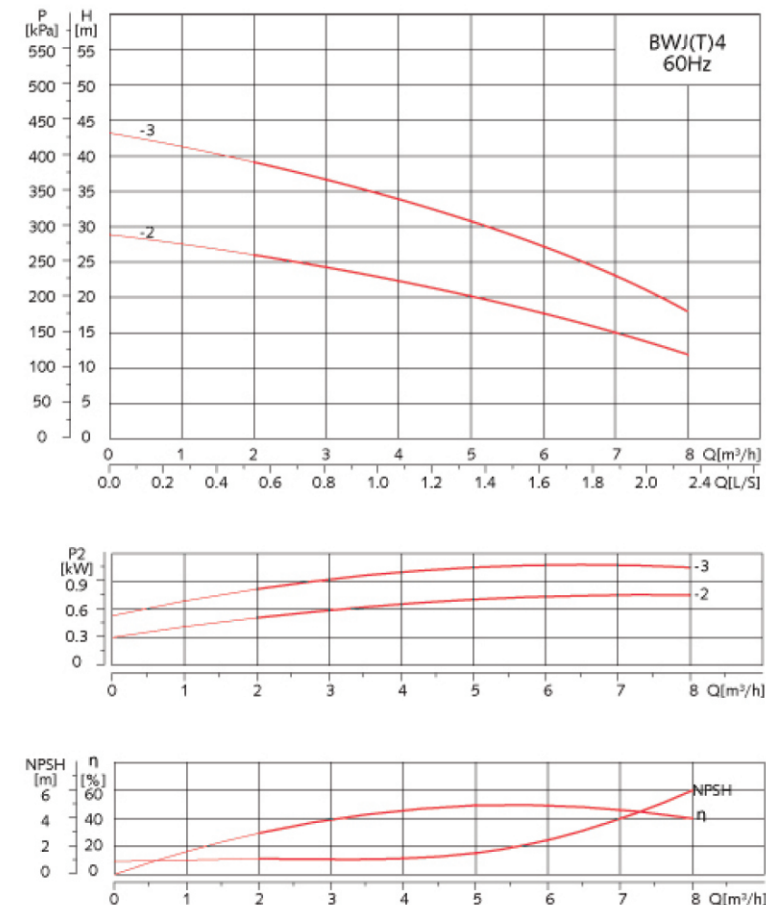
Installation & Weight

Model	L1(mm)	L2(mm)	L3(mm)	D(mm)	H(mm)	X(mm)	Y(mm)	Z(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BWJ(T)2-2	317	77	88	137	208	173	100	172	75	11.1	12.3
BWJ(T)2-3	360	95	106	156	229	184	111	180	75	13.0	14.2
BWJ(T)2-4	378	113	124	156	229	184	111	180	75	15.3	16.5
BWJ(T)2-5	396	131	142	156	229	184	111	180	75	15.7	16.9

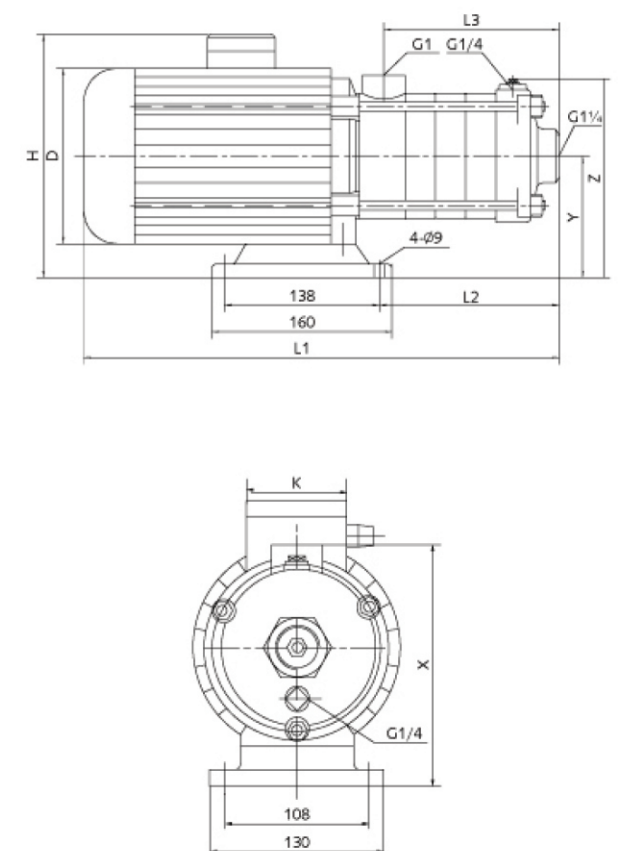
BWJ(T)4

60Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	2	3	4	5	6	7	8
BWJ(T)4-2	0.75	H (m)	26	24	22	21	19	16	12
BWJ(T)4-3	1.1		39	36	33	31	28	23	18

Installation & Weight

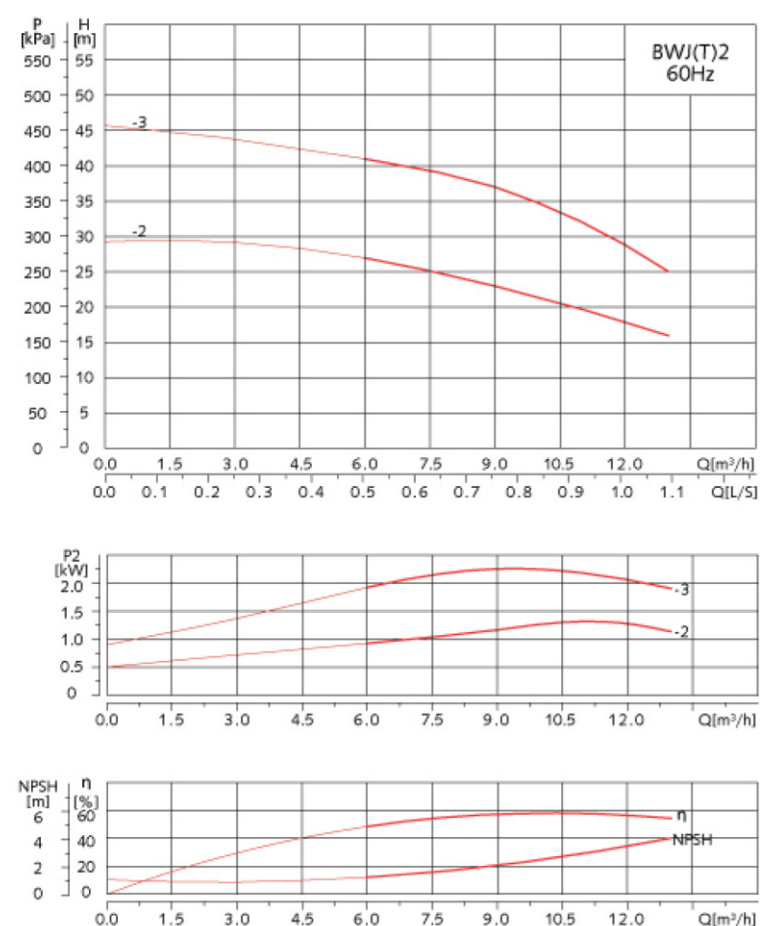
Model	L1(mm)	L2(mm)	L3(mm)	D(mm)	H(mm)	X(mm)	Y(mm)	Z(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BWJ(T)4-2	360	95	105	156	229	184	111	180	75	13.0	14.2
BWJ(T)4-3	387	122	133	156	229	184	111	180	75	15.5	16.7

BW/BWJ(T) Light-type Stainless Steel Vertical Multistage Centrifugal Pump

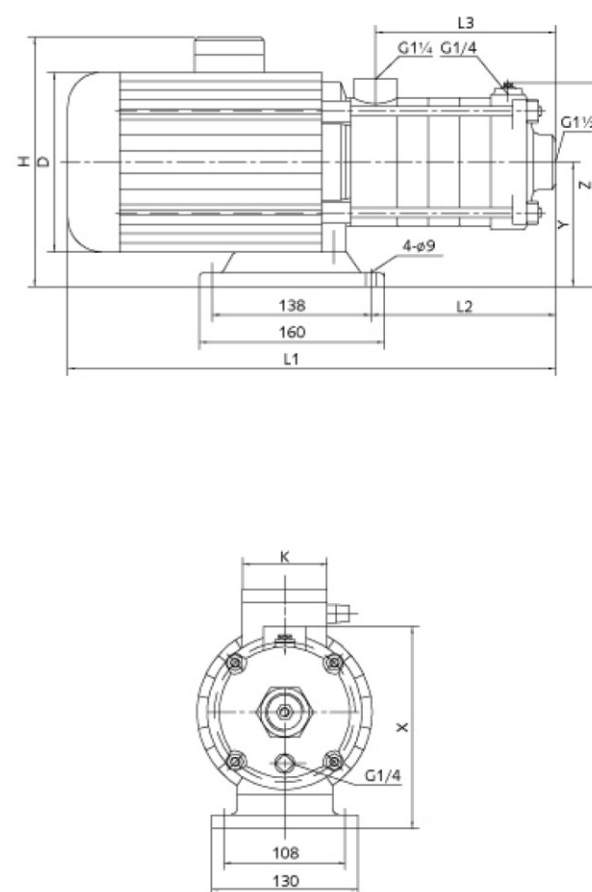
BWJ(T)8

60Hz

Performance curve



Installation and Size



Main Technical Parameter List

Model	Power (kW)	Q(m³/h)	6	7	8	9	10	11	12	13
BWJ(T)8-2	1.5	H	27	26	25	24	23	21	19	16
BWJ(T)8-3	2.2	(m)	41	40	39	37	34	33	29	25

Installation & Weight

Model	L1(mm)	L2(mm)	L3(mm)	D(mm)	H(mm)	X(mm)	Y(mm)	Z(mm)	K(mm)	N.W.(kg)	G.W.(kg)
BWJ(T)8-2	443	111	107	169	246	223	118	206	98.5	22.9	24.4
BWJ(T)8-3	473	141	137	169	246	223	118	206	98.5	25.1	26.5

SPARE PARTS

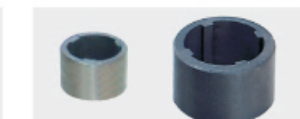
Shaft



Lining



Bearing inner



Cartridge mechanical seal



Coupling



Shaft sleeve



Round sleeve



Base plate



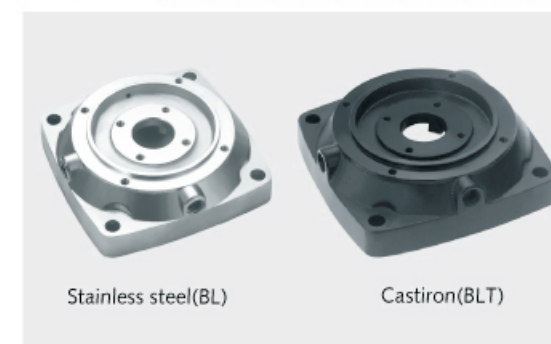
Pump base



Fluid director



Pump head



Motor base



Impeller

