

**STAINLESS STEEL MULTI-STAGE
CENTRIFUGAL PUMP**



ADELINO
— WATER PUMPS —

50Hz



GERMANY

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POLAND

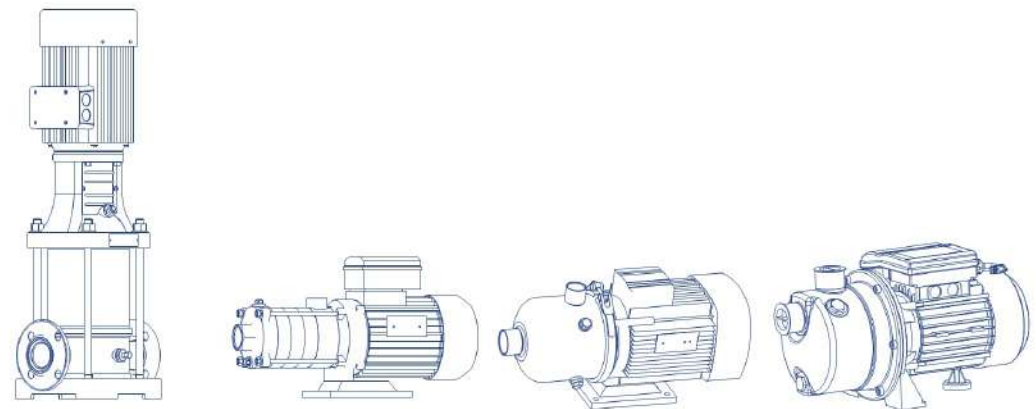
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Web:

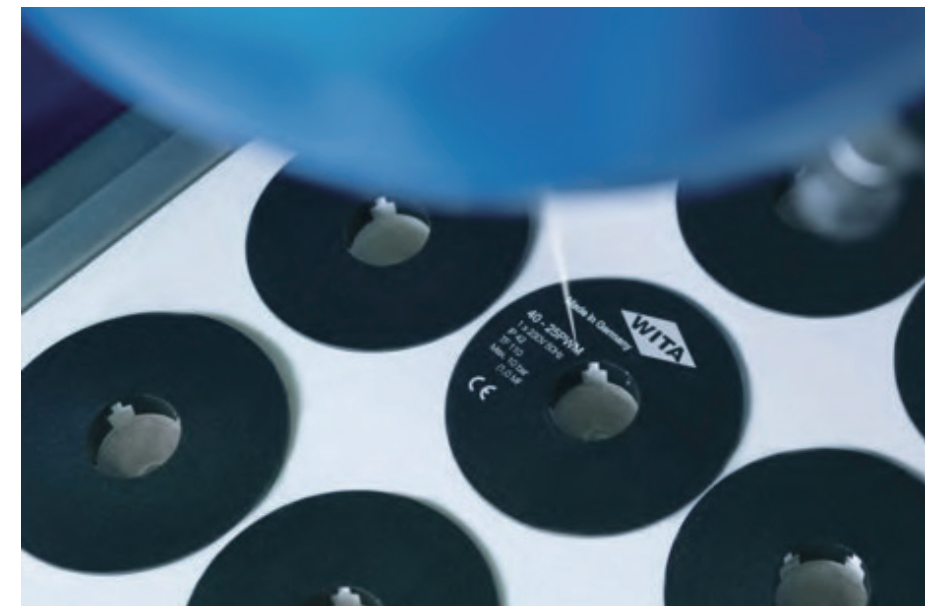
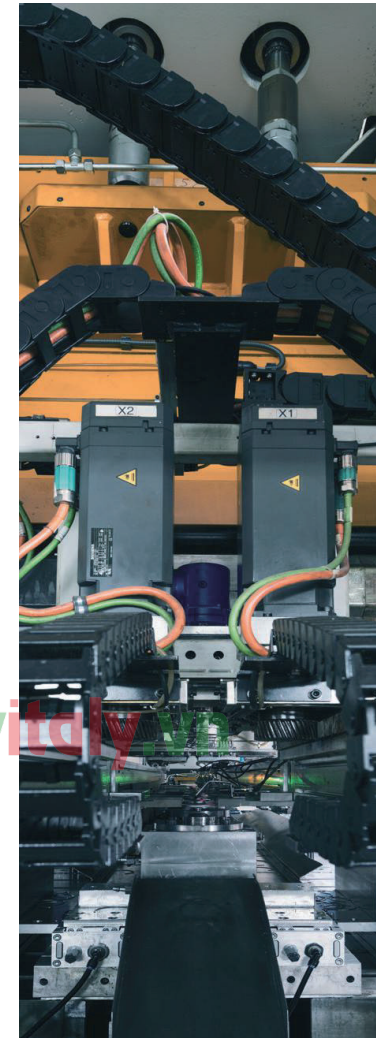
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Company Profile



 thegioimay.com



Pump Technology

Since more than 50 years the company WITA is developing and producing high quality products for heating systems in Germany. Our quality management is certificated according to DIN EN ISO 9001: 2015.

Through uncompromising high quality standards, coupled with multiple application possibilities of our pumps we are able to offer optimal solutions for the almost usages.

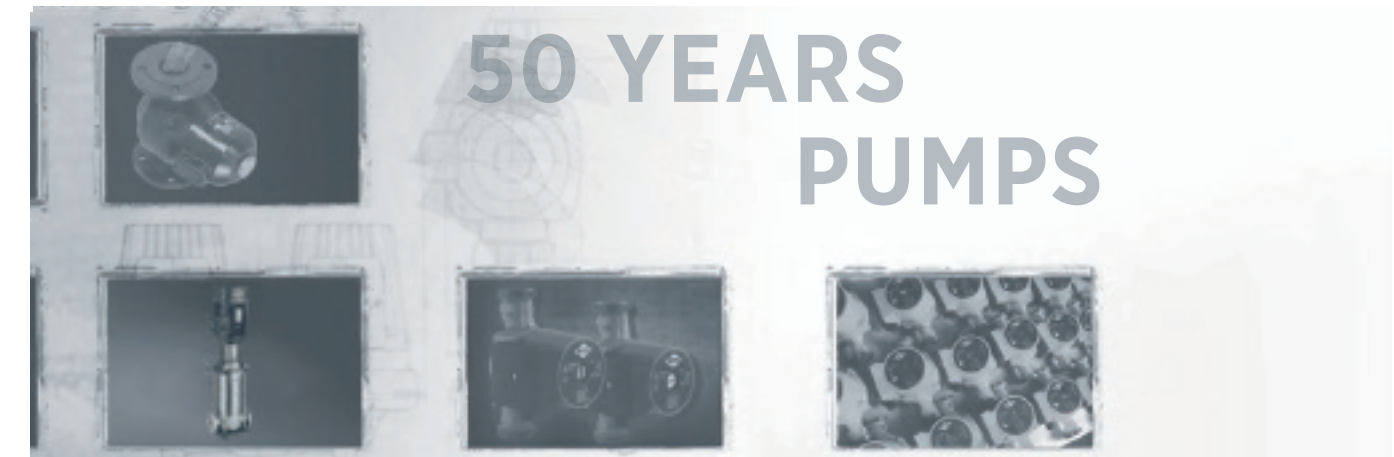
The high efficiency WITA - Pumps are usable in the areas of heating, domestic hot water and solar technology.

Every day, the research and development department is working on new innovative solutions to facilitate the daily life for the skilled crafts also in the future.



Product Advantage

- Maximum efficiency due to ECM - Technology
- Integrated motor protection
- Varied range of applications because of the cataphoresis coated grey cast iron pump housings
- WITA - High efficiency pump motors are backwards compatible to the most previous series



Vertical Multi-Stage Centrifugal Pumps



General Introduction 03-09

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Horizontal Multi-Stage Centrifugal Pumps



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Self-Priming JET Pumps



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PLD economical vertical multistage pump



General Introduction 65-66



General Introduction 69-73

Vertical Multi-Stage Centrifugal Pumps



BL



BL



BLT



BL



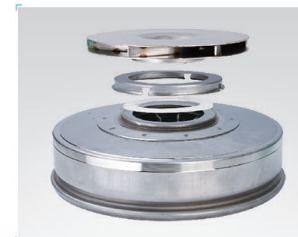
High-efficiency standard motor, Japan NSK bearings and cold-rolled 50ww800 silicon steel sheet made the pump high efficiency, low noise and maintenance-free. Totally enclosed shaft seal, IP55 protection grade, F class insulation grade, the special "double-lock" drive end bearing made the pump withstand higher inlet pressure.



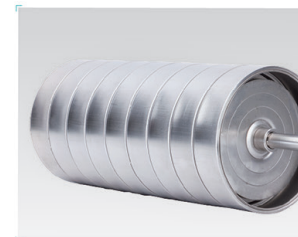
Balanced & container-type shaft seal with all the parts assembled together, no axial rotating to prevent the shaft and rubber parts from wearing, with the characteristics of rapid changing, easy installation and safe operation. Dynamic sealing is made of cemented carbide materials and the static sealing is fluorine rubber material which make the mechanical seal to be high temperature resistance, long service life, easy changing and other significant characteristics.



Being produced by the most advanced international laser welding technology,, no eliminate welding, ensure the high intensity and efficiency. The processing technology: precision casting, CNC lathe, CNC machining center, the modern advanced technology such as the laser welding technique and processing equipment.



The built-in floating sealing ring of the pump cavity body could minimize the internal leakage produced by the differential pressure and prevent the energy consumption when liquid leaking back to the pump cavity body.

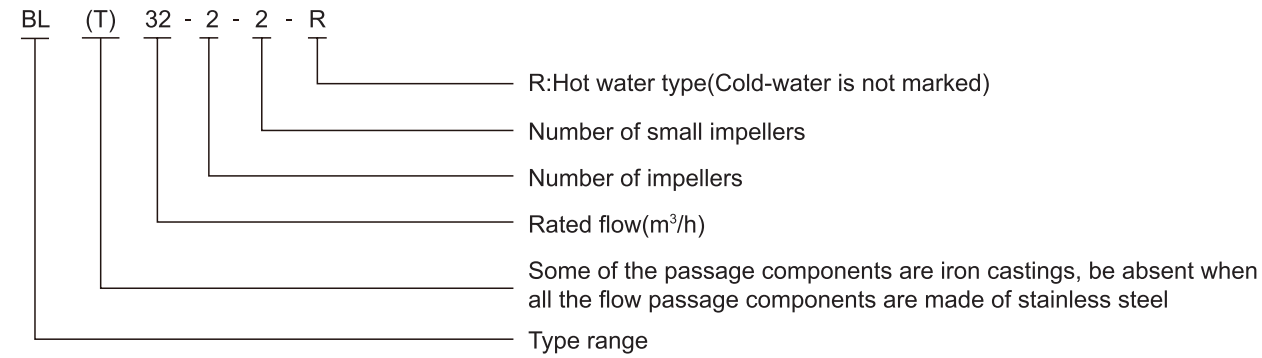


The pump core parts are designed to be multilevel interlocking, fastening nut locked, component system interlock assembly industry, to minimize the gap between the impeller per level, improve the efficiency of the impeller water conservancy, and ensure the stability, reliability and efficiency of the pump core components.



Cold extrusion spline shaft with good surface quality, high machining accuracy, at the same time improve the comprehensive mechanical properties of the shaft and the reliability of the pump

Model Instruction



Overview Of The Product

BL(T) series stainless steel multi-stage centrifugal pump (afterwards called pump)boasts characters of high efficiency, low noise, steady operation, etc.The pump set adopts the non-self-priming vertical multi-stage structure, which makes a compact whole,its installation easy, its operation and maintenance convenient.

Application Limits

- ◉ Medium temperature: normal type:0°C ~68°C hot water type:0°C ~120°C ,
- ◉ Ambient temperature:+40°C ,
- ◉ Max ambient pressure:1.0MPa,
- ◉ Advisable to use motor of higher power in case that the density or viscosity of medium is above that of water.
- ◉ pH: 5 to 8

Applications Fields

	BL	BLT
Water supply		
Filtration and transfer at waterworks	●	●
Distribution from waterworks	●	●
Pressureboosting in mains	●	●
Pressure boosting in high-rise buildings,hotels,etc.	●	●
Pressure boosting for industrial water supply	●	●
Industry		
Pressure boosting		
Process water systems	●	●
Washing and cleaning systems	●	●
Vehicle washing tunnels	●	●
Fire fighting systems	●	●
Liquid transfer		
Cooling and air-conditioning systems(refrigerants)	●	●
Boiler feed and condensate systems	●	●
Machine tools(cooling lubricants)	●	●
Aquafarming	●	●
Transfer		
Oil and alcohol	●	●
Glycol and coolants	●	●

Water treatment		
Ultra-filtration systems	●	○
Reverse osmosis systems	●	○
Softening, ionising, demineralizing systems	●	○
Distillation systems	●	○
Separators	●	○
Swimming baths	●	●
Irrigation		
Field irrigation(flooding)	●	●
Sprinkler irrigation	●	●
Drip-feed irrigation	●	●

Certificate



Electric Motor

- ◉ Full-enclosed and ventilating two-pole standard motor
- ◉ Protection class: IP55
- ◉ Insulation class: F
- ◉ Standard voltage Single phase 220V-50Hz Three phase:380/400V-50Hz
- Standard motor efficiency: 11kW to 45kW:IE3,other:IE2, Specific efficiency value for below table

Energy Efficiency Standard (IEC60034)

Power(kW)	Efficiency(2P, IE2)	Efficiency(2P,IE3)
0.75	77.4	80.7
1.1	79.6	82.7
1.5	81.3	84.2
2.2	83.2	85.9
3	84.6	87.1
4	85.8	88.1
5.5	87	89.2
7.5	88.1	90.1
11	89.4	91.2
15	90.3	91.9
18.5	90.9	92.4
22	91.3	92.7
30	92	93.3
37	92.5	93.7
45	92.9	94

Calculation Of minimum Inlet Pressure

If the pressure in pump is lower than the vapour pressure of medium, cavitation will occur, which will affect the performance of pump. To avoid the cavitation and ensure the pump inlet has a minimum pressure, maximum suction head should be calculated as following:

$$H = P_b \times 10.2 - NPSH - H_f - h_v - H_s$$

- P_b: Atmospheric pressure, bar (In close pipeline system, it can be considered as the system pressure);
 - NPSH: Net positive suction head, m (Value at maximum flow of Q-NPSH curve);
 - H_f: Suction pipe line loss (Value at maximum flow of corresponding pipeline);
 - H_v: Medium vapour pressure, m (Medium vapour pressure at corresponding temperature, the default medium is water, as shown in figure4 on the right);
 - H_s: Safety margin, m, general value is 0.5.
- Calculation result: if H is positive, the pump is installed in suction way, otherwise, it is installed in downdraft way.

Note: It is not necessary to do above calculation under general conditions. Only when we use pump in the following situations do we need to calculate the H:

1. Medium temperature is high;
2. The velocity of flow is larger than rated value;
3. Suction head is big or inlet pipeline is long;
4. System pressure is small;
5. Inlet condition is bad.

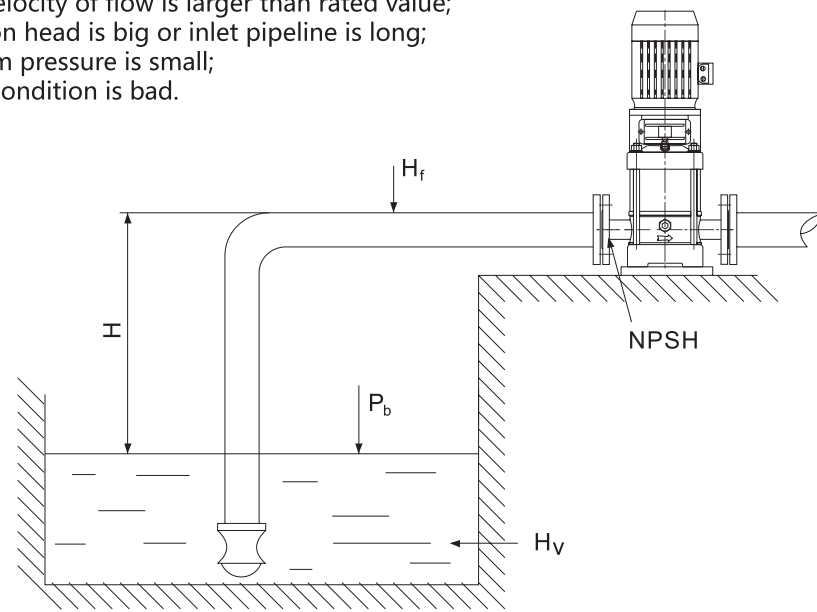


Fig. 1

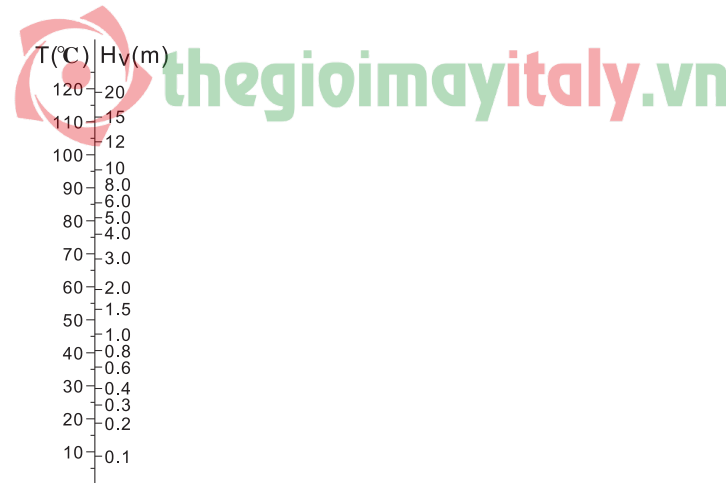


Fig. 2

Selection Of Pumps

Selection of pumps should be based on:

1. Duty point of the pump.
2. Dimensional data such as pressure loss as a result of height differences, friction loss in the pipework,
3. Pump efficiency etc.
4. Pump materials
5. Pump connections
6. Commonly used mechanical seal configuration tables

1. Duty point of the pump:

From a duty point it is possible to select a pump on the basis of the curve charts shown in "performance curves/technical" data.

2. Dimensional data:

When sizing a pump the following must be taken into accounting:

- Required flow and pressure at the draw-off point.
- Pressure loss as a result of height differences.
- Friction loss in the pipework (H_f) (Refer to Fig.1) It may.
- Best efficiency at the estimated duty point.
- NPSH value.
- For calculation of the NPSH value, see corresponding curves chart.

3. Pump efficiency:

Before determining the best efficiency point, the operation pattern of the pump needs to be identified. If the pump expected to operate as the same duty point, then select a BL pump which is operating at a duty point corresponding with the best efficiency of the pump.

As the pump is sized on the basis of the highest possible flow, it is important always to have the duty point to the right on the efficiency curve (eta) in order to keep efficiency high when the flow drops.

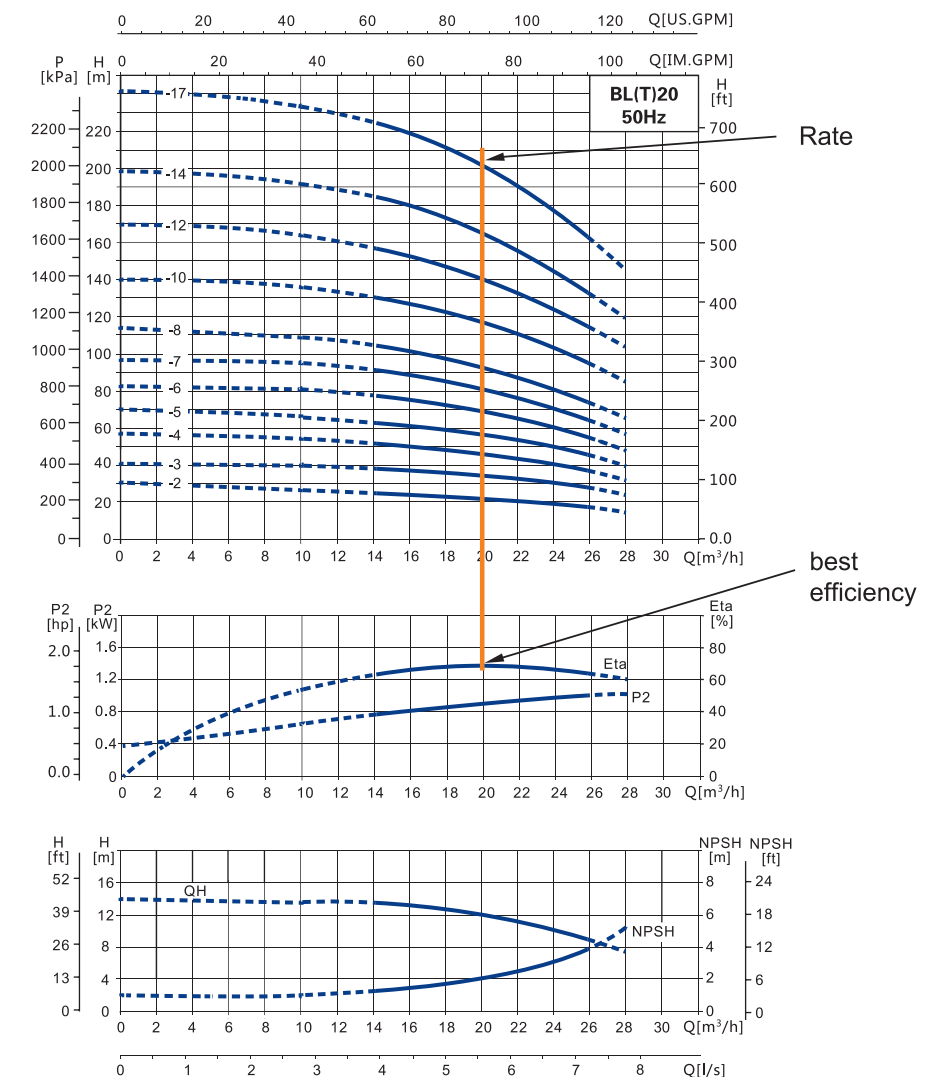
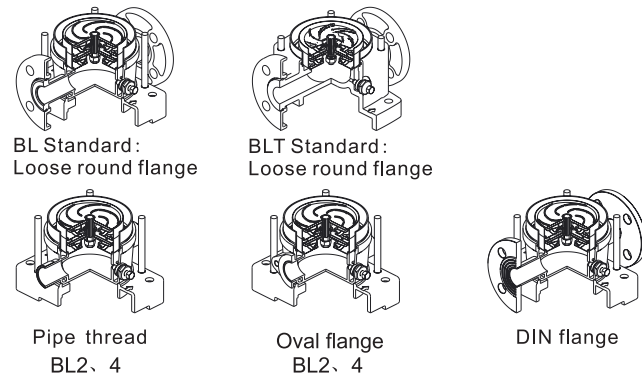


Fig. 3

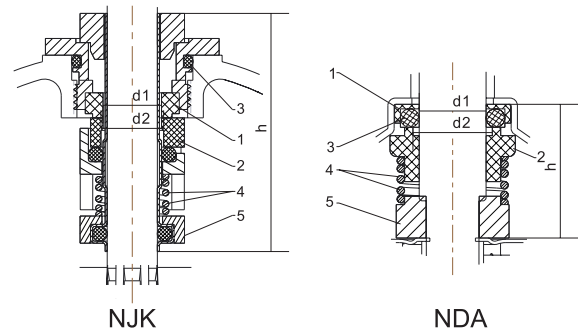
4. Pump material:

Selection of pump connection depend on the rated pressure and pipe work. the pump offer a wide range of flexible connection such as:

- Loose round flange
- Pipe thread
- Oval flange
- Round flange



5. Commonly used mechanical seal configuration tables



Application Field	Shaft seal type		Shaft seal material								Type key	
	Normal	Special	1		2		3		4			5
			Rotating part	Code	Stationary part	Code	Elastomers	Code	Compression spring	Collar		Code
0°C to +90°C clean water		●	Graphite	A	SiC	S	FPM	F	SUS304	C	ASFC	
0°C to +90°C clean water	●		WC	W	Graphite	A	FPM	F	SUS304	C	WAFC	
+90°C to +120°C corrosion resistance	●		SiC	S	SiC	S	EPDM	E	SUS304	C	SSEC	
up to 0°C		●	WC	W	WC	W	EPDM	E	SUS304	C	WWEC	

Mechanical seal type	Pump model	d1	d2	h
NJK	BL(T)2/4	12	12	55
	BL(T)8/12/16/20	16	16	57.5
	BL(T)32/45/64/90	22	22	72
NDA	BW(J)2/4	12.7	16	32
	BW(J)8/16	17.4	20	33.5

Maximum Work Pressure

Model	Curve No.
BL(T)2,4	2
BL(T)8,12,16,20	3
BL(T)32-2-2~BL(T)32-7	1
BL(T)32-8-2~BL(T)32-12	4
BL(T)32-13~BL(T)32-15-2	5
BL(T)45-2-2~BL(T)45-6	1
BL(T)45-7-2~BL(T)45-9	4
BL(T)45-10-2~BL(T)45-13-2	5
BL(T)64-2-2~BL(T)64-5-2	1
BL(T)64-5-1~BL(T)64-8	4
BL(T)90-2-2~BL(T)90-4-2	1
BL(T)90-4~BL(T)90-6	4
BL(T)120, 150	6

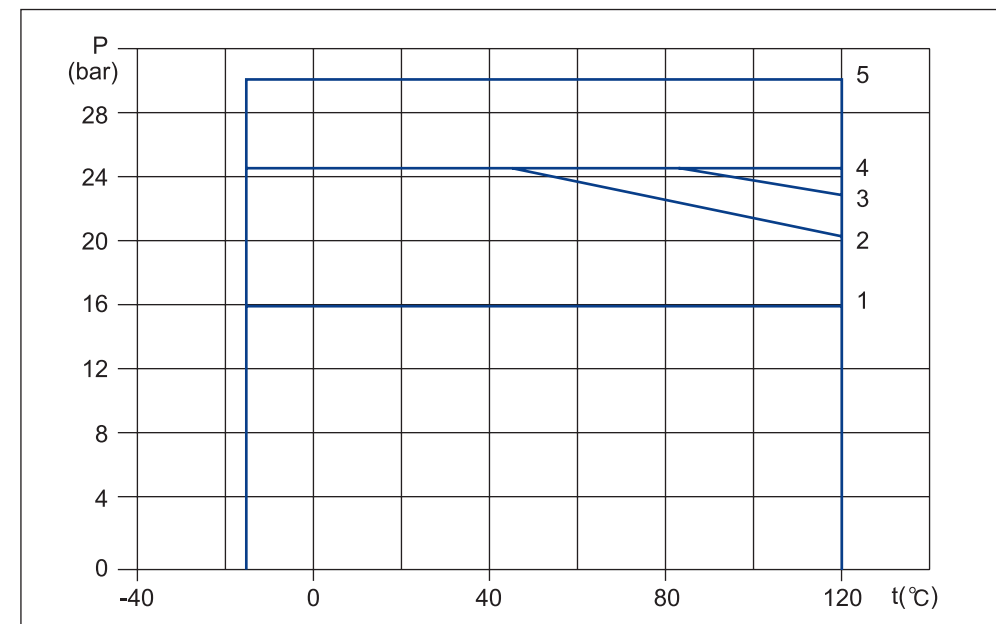
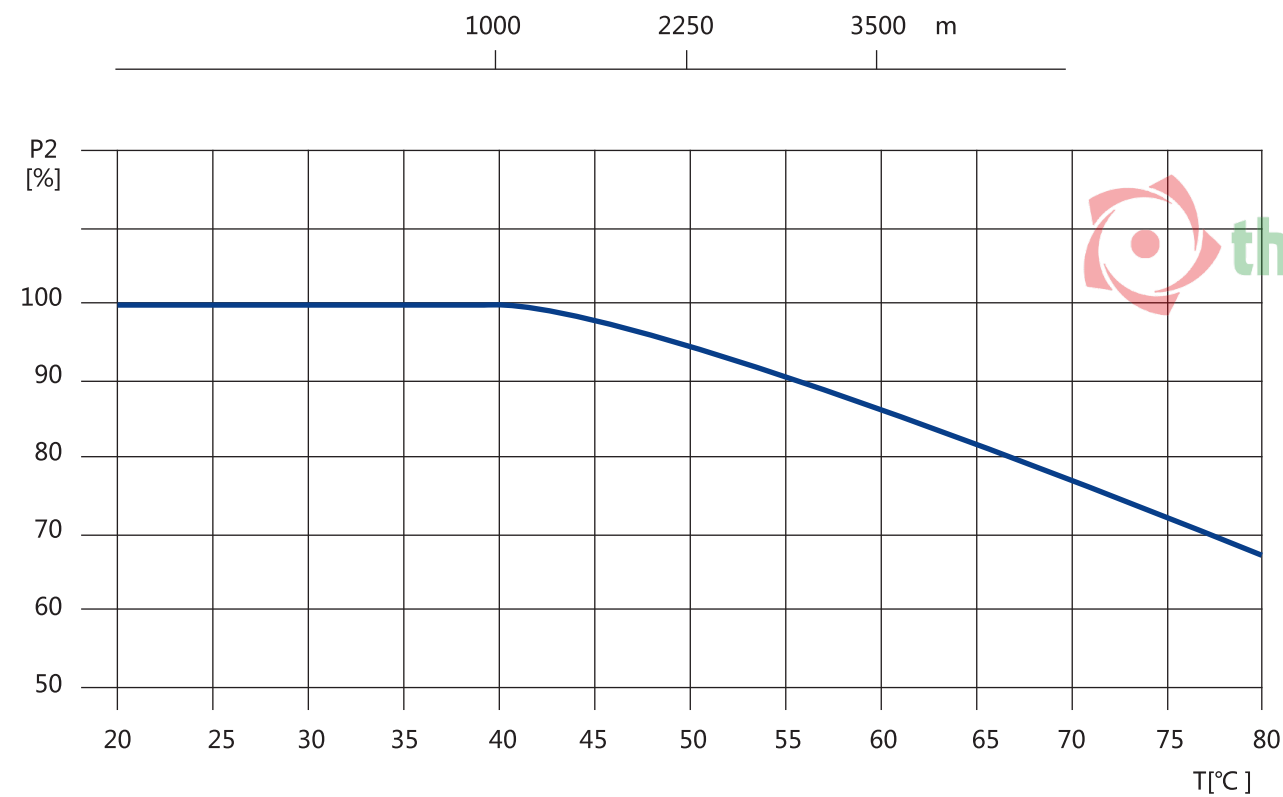


Fig. 4

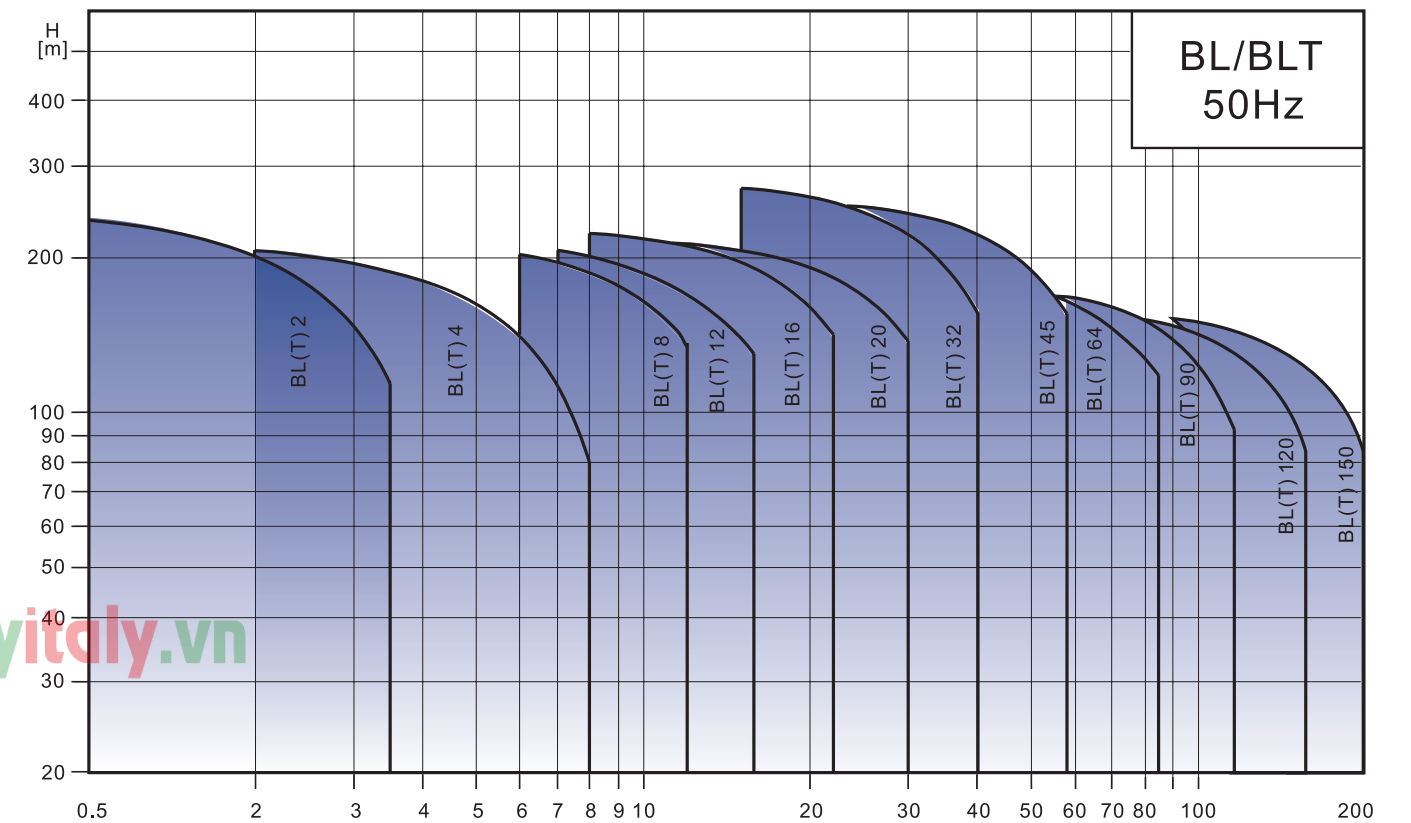
The limits of pressure and temperature are shown in the following fig.4, the pressure and temperature must be in the shown in the fig. 4.

Maximum Ambient Temperature

When the pump is operating in the place where ambient temperature is higher than 40°C or altitude is higher than 1000m, the output power of motor P2 will decrease because of poor cooling caused by low air density. Therefore, in that case, the pump should be equipped with high-power motor.



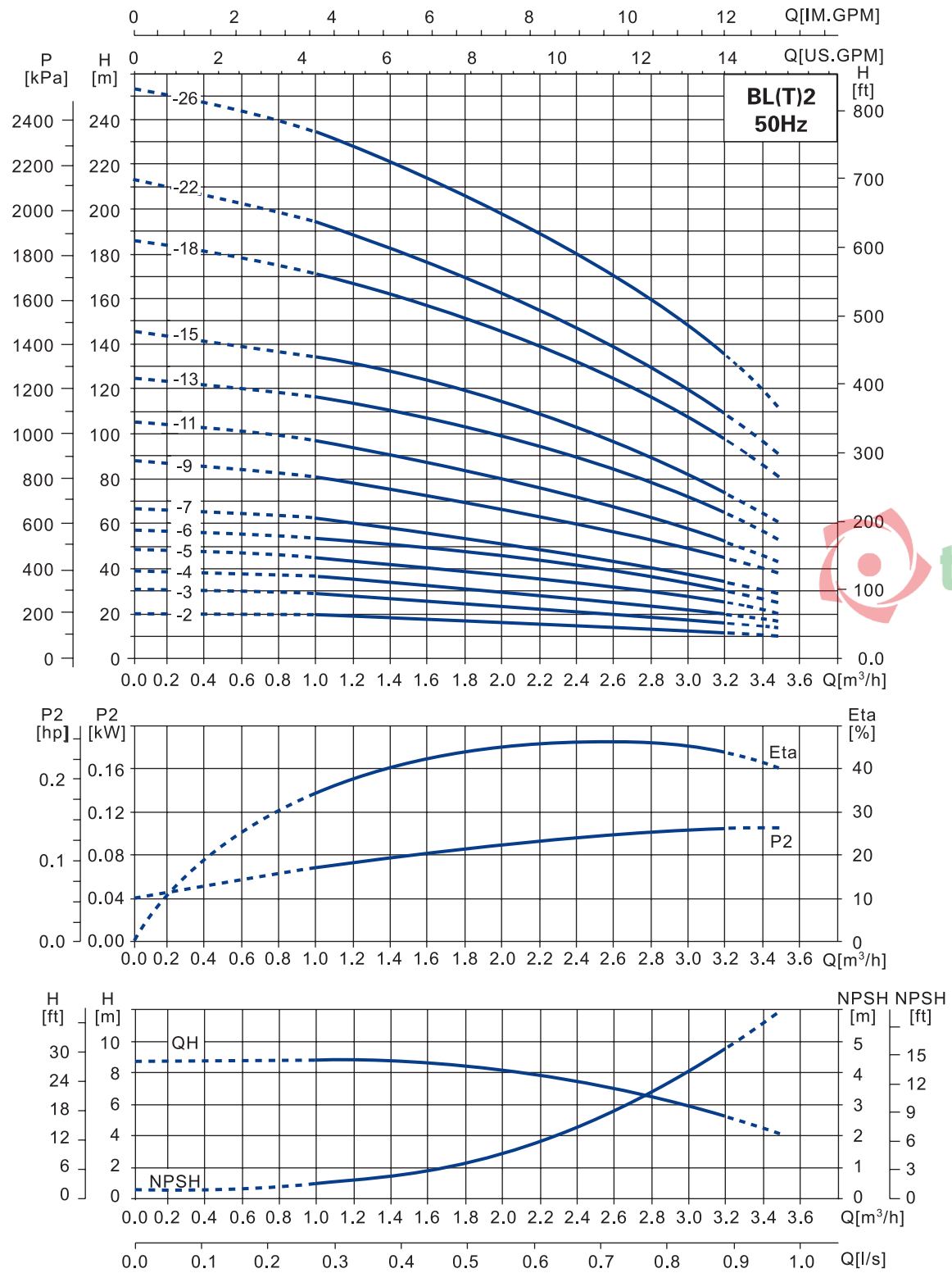
Performance Range



Product Range

Model	BL(T)2	BL(T)4	BL(T)8	BL(T)12	BL(T)16	BL(T)20	BL(T)32	BL(T)45	BL(T)64	BL(T)90	BL(T)120	BL(T)150
Rated Flow (m³/h)	2	4	8	12	16	20	32	45	64	90	120	150
Flow Range (m³/h)	1~3.5	1.5~7	5~11	7~16	8~20	14~28	16~40	25~55	30~80	50~110	60~150	80~180
Max. Pressure (bar)	23	21	21	22	22	23	27	28	22	16	17	16
Motor Power (kW)	0.37~3	0.37~4	0.75~7.5	1.5~11	2.2~15	2.2~18.5	3~30	5.5~45	7.5~45	11~45	11~75	11~75
Max. Efficiency (%)	45	57	62	63	66	67	70	74	75	76	75	76
DIN Flange	DN25	DN32	DN40	DN50	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125
Pipe Thread	R ₂ 1 ¹ / ₄	R ₂ 1 ¹ / ₄	Rc2, on request									
Oval flange	G1 or G1 ¹ / ₄											
Temperature Range	Standard Type 0~+68°C						Hot Water Type 0~+120°C					

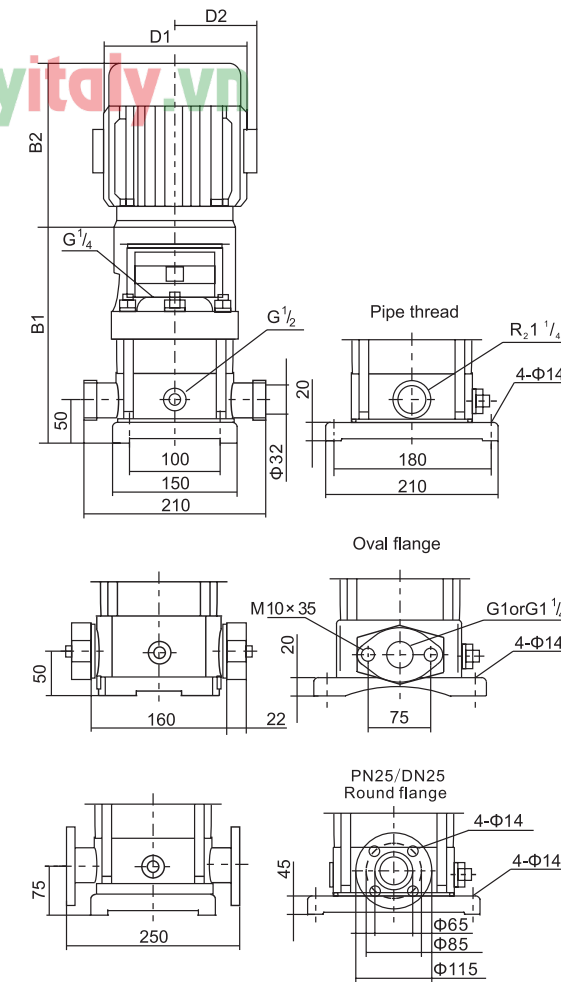
Performance Curve - BL(T)2



It is recommended to be used within lift range.

Performance Table

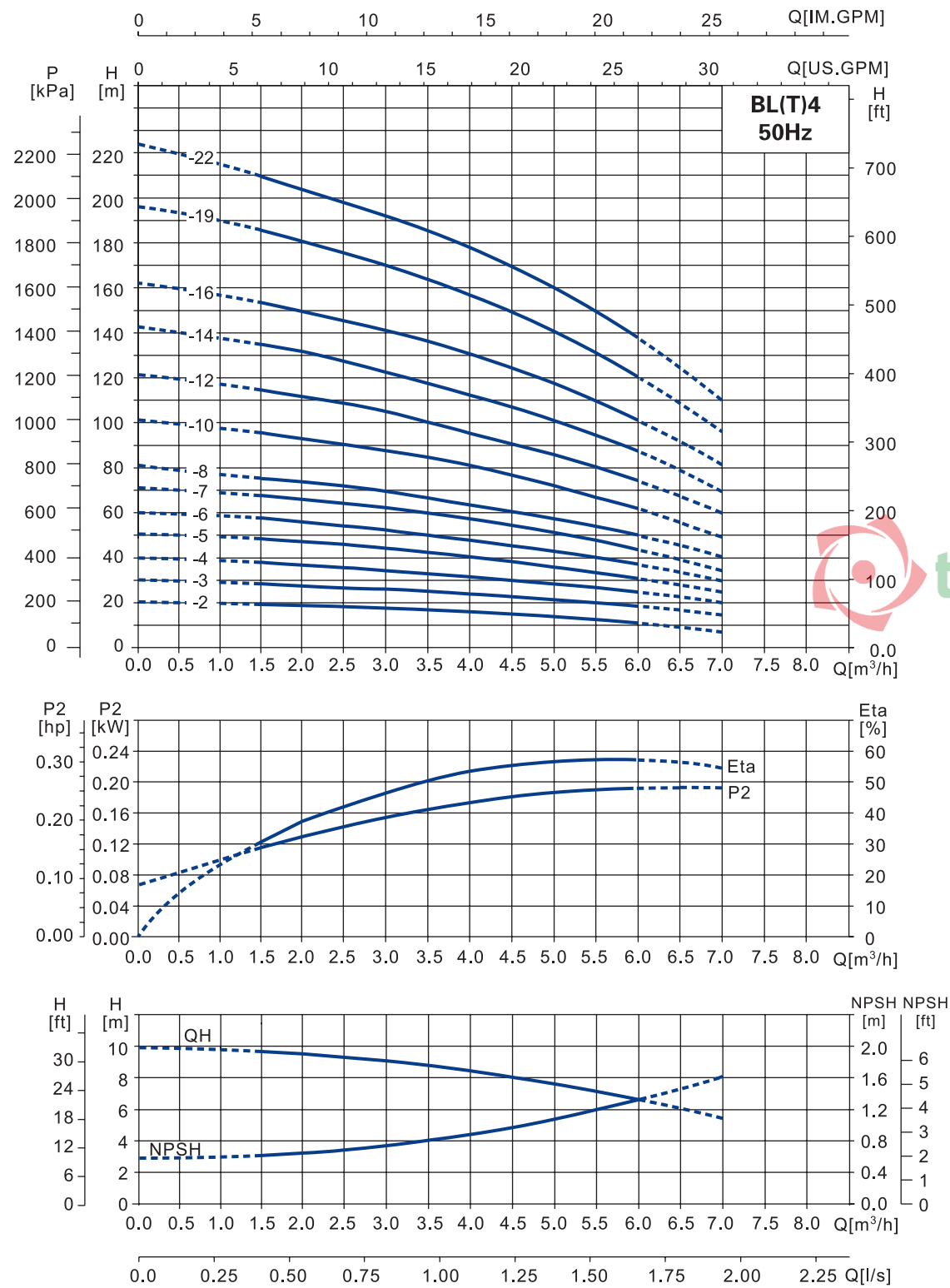
Model	Power		Caliber	Q (m³/h)	Head Range (m)							
	kW	HP			1	1.2	1.6	2	2.4	2.8	3.2	
BL(T)2-2	0.37	0.5	32mm (1 1/4')	H (m)	18	17	16	15	13	12	10	10~18
BL(T)2-3	0.37	0.5			27	26	24	22	20	18	15	15~27
BL(T)2-4	0.55	0.75			36	35	33	30	26	24	20	20~36
BL(T)2-5	0.55	0.75			45	43	40	37	33	30	24	24~45
BL(T)2-6	0.75	1			53	52	50	45	40	36	30	30~53
BL(T)2-7	0.75	1			63	61	57	52	47	41	35	35~63
BL(T)2-9	1.1	1.5			80	78	73	67	61	54	45	45~80
BL(T)2-11	1.1	1.5			98	95	89	82	73	64	54	54~98
BL(T)2-13	1.5	2			116	114	106	98	89	78	65	65~116
BL(T)2-15	1.5	2			134	130	123	112	100	90	73	73~134
BL(T)2-18	2.2	3			161	157	148	136	121	108	91	91~161
BL(T)2-22	2.2	3			197	192	180	165	148	130	110	110~197
BL(T)2-26	3	4			232	228	214	198	179	158	130	130~232



Dimensions & Weight

Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)2-2	278	220	498	135	86	22	26
BL(T)2-3	278	220	498	135	86	22	26
BL(T)2-4	296	220	516	135	86	24	28
BL(T)2-5	314	220	534	135	86	24	28
BL(T)2-6	340	255	595	148	96	28	32
BL(T)2-7	358	255	613	148	96	28	32
BL(T)2-9	394	255	649	148	96	31	35
BL(T)2-11	430	255	685	148	96	32	36
BL(T)2-13	479	300	779	166	115	35	40
BL(T)2-15	515	300	815	166	115	36	40
BL(T)2-18	569	300	869	166	115	40	45
BL(T)2-22	641	300	941	166	115	42	46
BL(T)2-26	722	325	1047	191	128	50	55

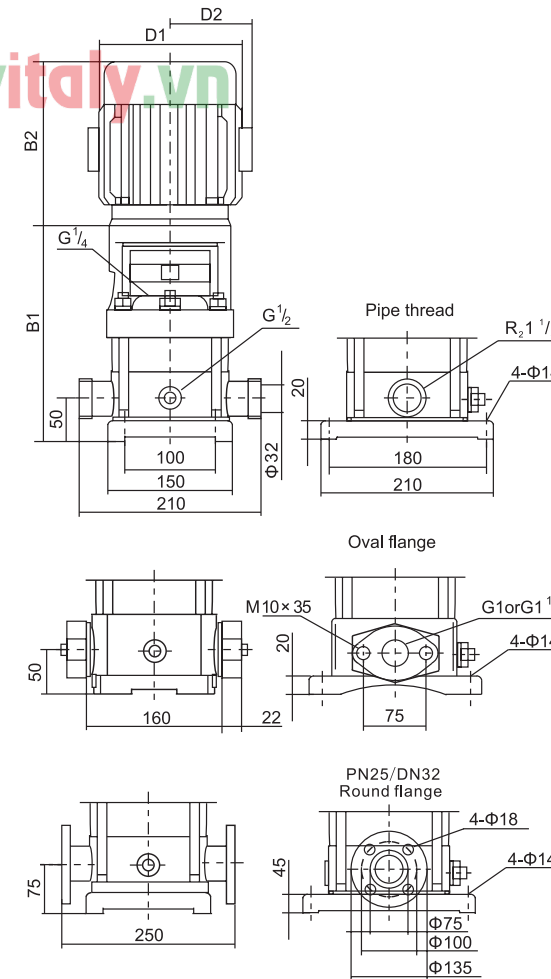
Performance Curve - BL(T)4



It is recommended to be used within lift range.

Performance Table

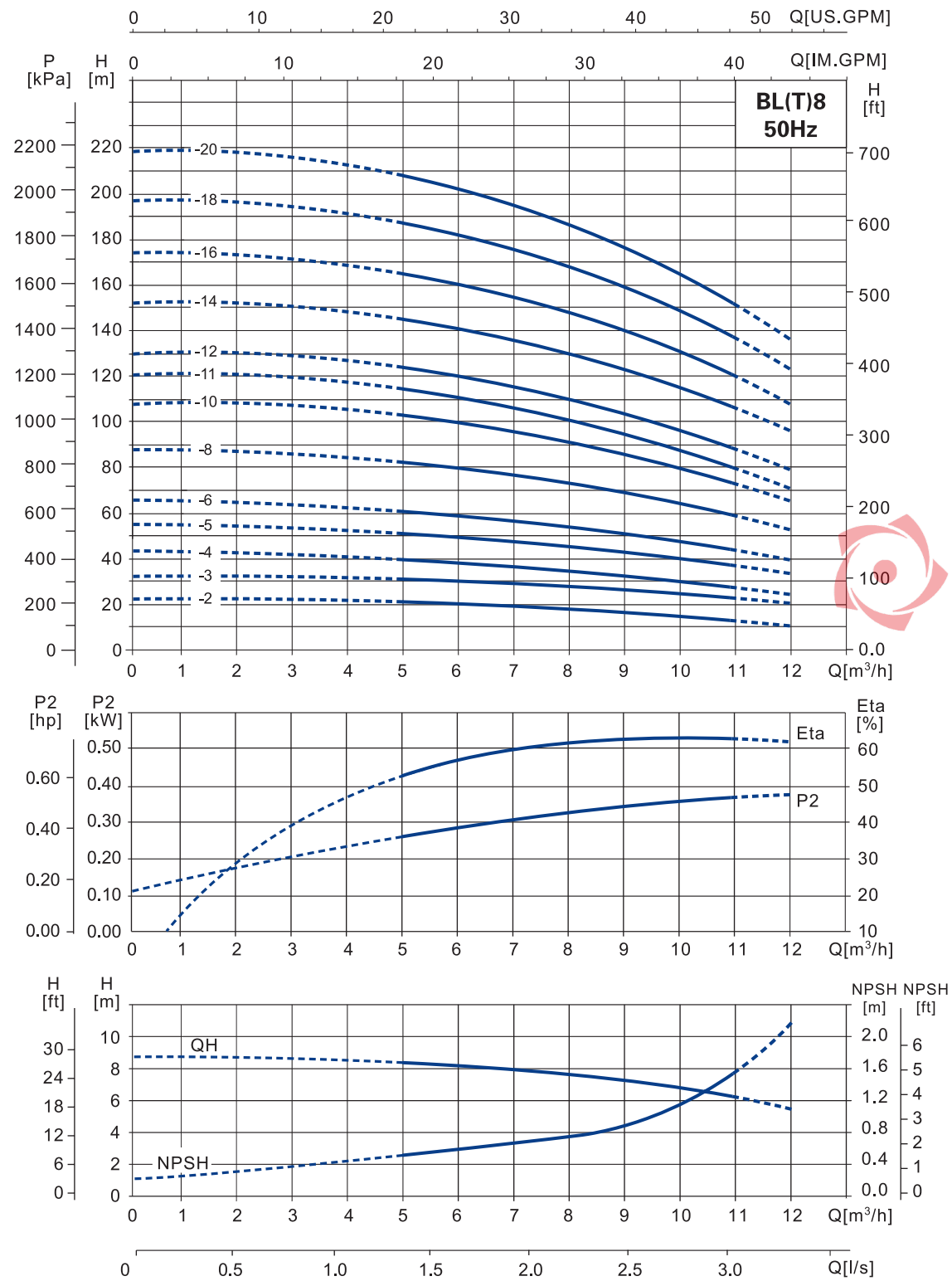
Model	Power		Caliber	Q (m³/h)	1.5	2	3	4	5	6	Head Range (m)
	kW	HP			1.5	2	3	4	5	6	
BL(T)4-2	0.37	0.5	32mm (1 1/4")	H (m)	19	18	17	15	13	10	10~19
BL(T)4-3	0.55	0.75			28	27	26	24	20	18	18~28
BL(T)4-4	0.75	1			38	36	34	32	27	24	24~38
BL(T)4-5	1.1	1.5			47	45	43	40	34	31	31~47
BL(T)4-6	1.1	1.5			56	54	52	48	41	37	37~56
BL(T)4-7	1.5	2			66	63	61	56	48	43	43~66
BL(T)4-8	1.5	2			74	72	70	64	55	50	50~74
BL(T)4-10	2.2	3			96	90	87	81	71	62	62~96
BL(T)4-12	2.2	3			114	108	104	95	85	75	75~114
BL(T)4-14	3	4			136	126	122	112	101	89	89~136
BL(T)4-16	3	4			152	144	140	129	115	101	101~152
BL(T)4-19	4	5.5			183	171	168	153	137	122	122~183
BL(T)4-22	4	5.5	211	200	192	178	160	138	138~211		



Dimensions & Weight

Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)4-2	278	220	498	135	86	22	28
BL(T)4-3	305	220	525	135	86	25	30
BL(T)4-4	340	255	595	148	96	28	33
BL(T)4-5	367	255	622	148	96	30	35
BL(T)4-6	394	255	649	148	96	31	36
BL(T)4-7	434	300	734	166	115	34	40
BL(T)4-8	461	300	761	166	115	35	40
BL(T)4-10	515	300	815	166	115	39	44
BL(T)4-12	569	300	869	166	115	40	46
BL(T)4-14	632	325	957	191	128	48	53
BL(T)4-16	686	325	1011	191	128	49	54
BL(T)4-19	767	355	1122	212	140	58	63
BL(T)4-22	848	355	1203	212	140	60	65

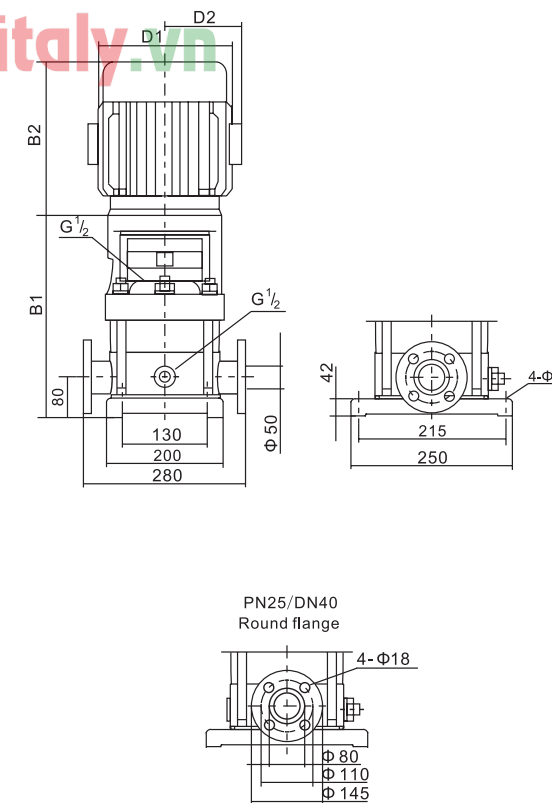
Performance Curve - BL(T)8



It is recommended to be used within lift range.

Performance Table

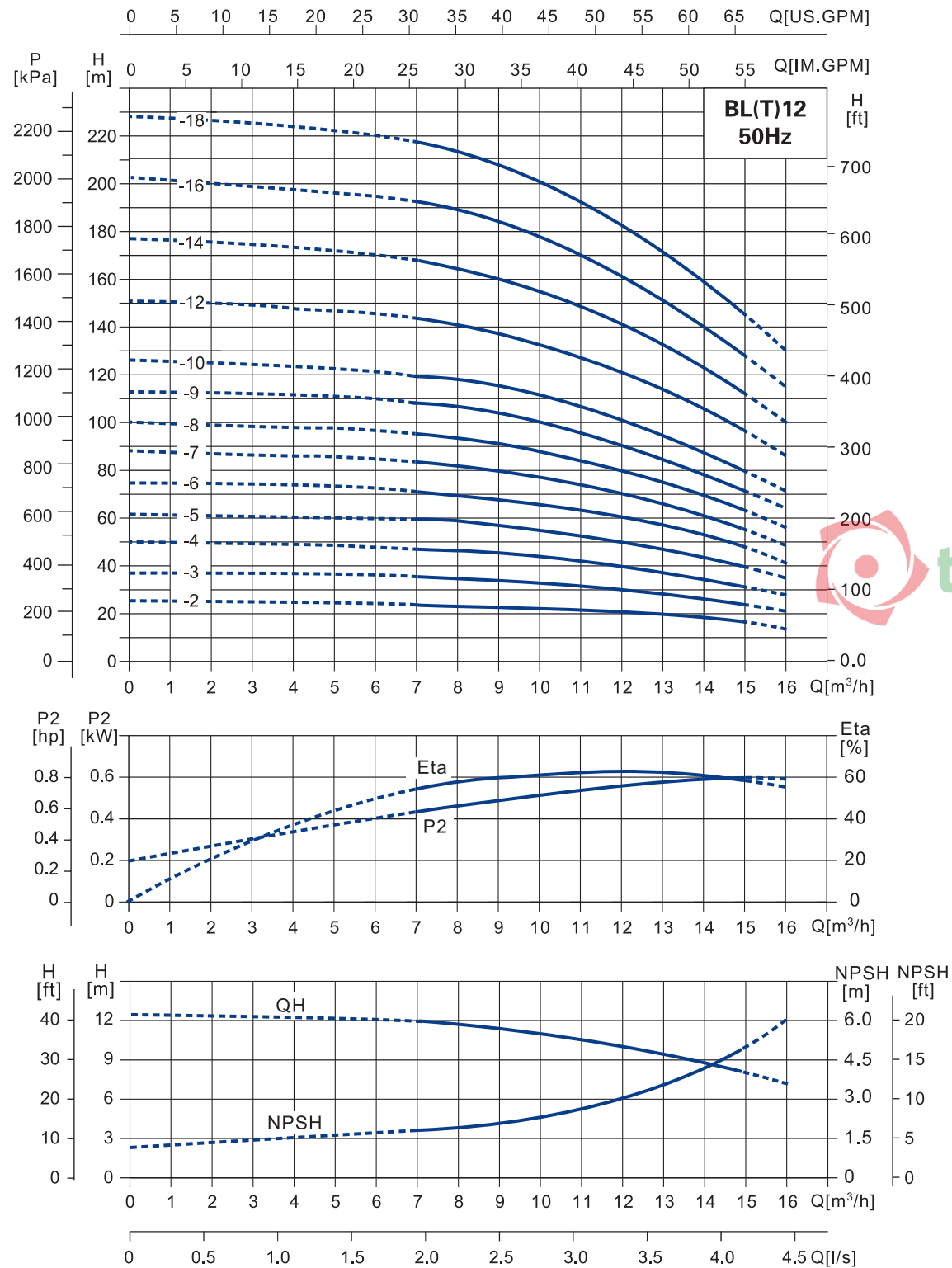
Model	Power		Caliber	Q (m³/h)	Head Range (m)							
	kW	HP			5	6	7	8	9	10	11	
BL(T)8-2	0.75	1	50mm (2')	H (m)	20	19.5	19	18	17	16	14	14~20
BL(T)8-3	1.1	1.5			30	29.5	28.5	27	25	24	21	21~30
BL(T)8-4	1.5	2			41	39.5	38	36	34	32	28	28~41
BL(T)8-5	2.2	3			52	50	48	45	42	40	36	36~52
BL(T)8-6	2.2	3			62	60	57	54	51	48	43	43~62
BL(T)8-8	3	4			83	80	77	73	69	65	58	58~83
BL(T)8-10	4	5.5			104	100	97	92	87	81	73	73~104
BL(T)8-11	4	5.5			114	110	106	101	95	86	80	80~114
BL(T)8-12	4	5.5			124	120	116	111	104	92	87	87~124
BL(T)8-14	5.5	7.5			145	141	136	130	122	113	102	102~145
BL(T)8-16	5.5	7.5			166	161	156	148	139	130	118	118~166
BL(T)8-18	7.5	10			187	182	175	167	157	146	134	134~187
BL(T)8-20	7.5	10	208	202	195	186	175	163	150	150~208		



Dimensions & Weight

Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)8-2	365	255	620	155	96	36	43
BL(T)8-3	395	255	650	155	96	38	45
BL(T)8-4	430	300	730	175	115	42	49
BL(T)8-5	460	300	760	175	115	46	53
BL(T)8-6	490	300	790	175	115	47	54
BL(T)8-8	560	325	885	191	128	55	63
BL(T)8-10	620	355	975	212	140	65	72
BL(T)8-11	650	355	1005	212	140	66	73
BL(T)8-12	680	355	1035	219	140	84	92
BL(T)8-14	764	430	1194	258	163	86	94
BL(T)8-16	824	430	1254	258	163	89	96
BL(T)8-18	884	430	1314	258	163	95	102
BL(T)8-20	944	430	1374	258	163	97	104

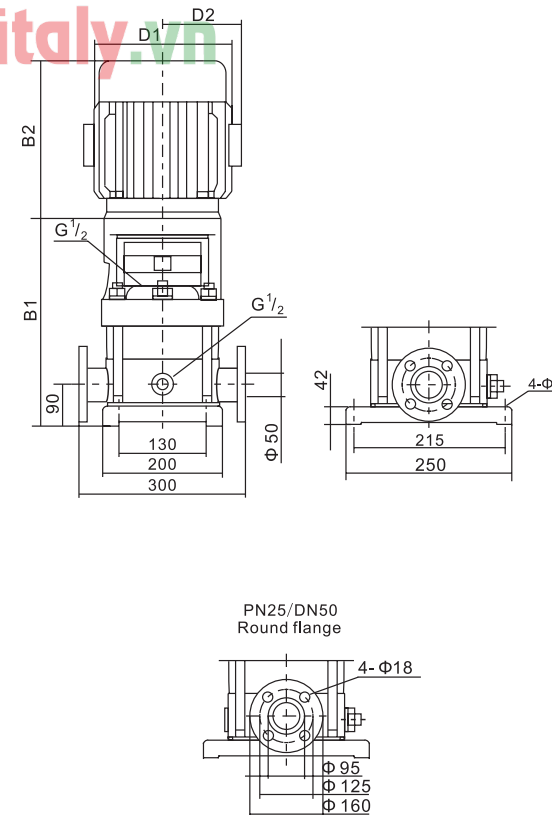
Performance Curve - BL(T)12



It is recommended to be used within lift range.

Performance Table

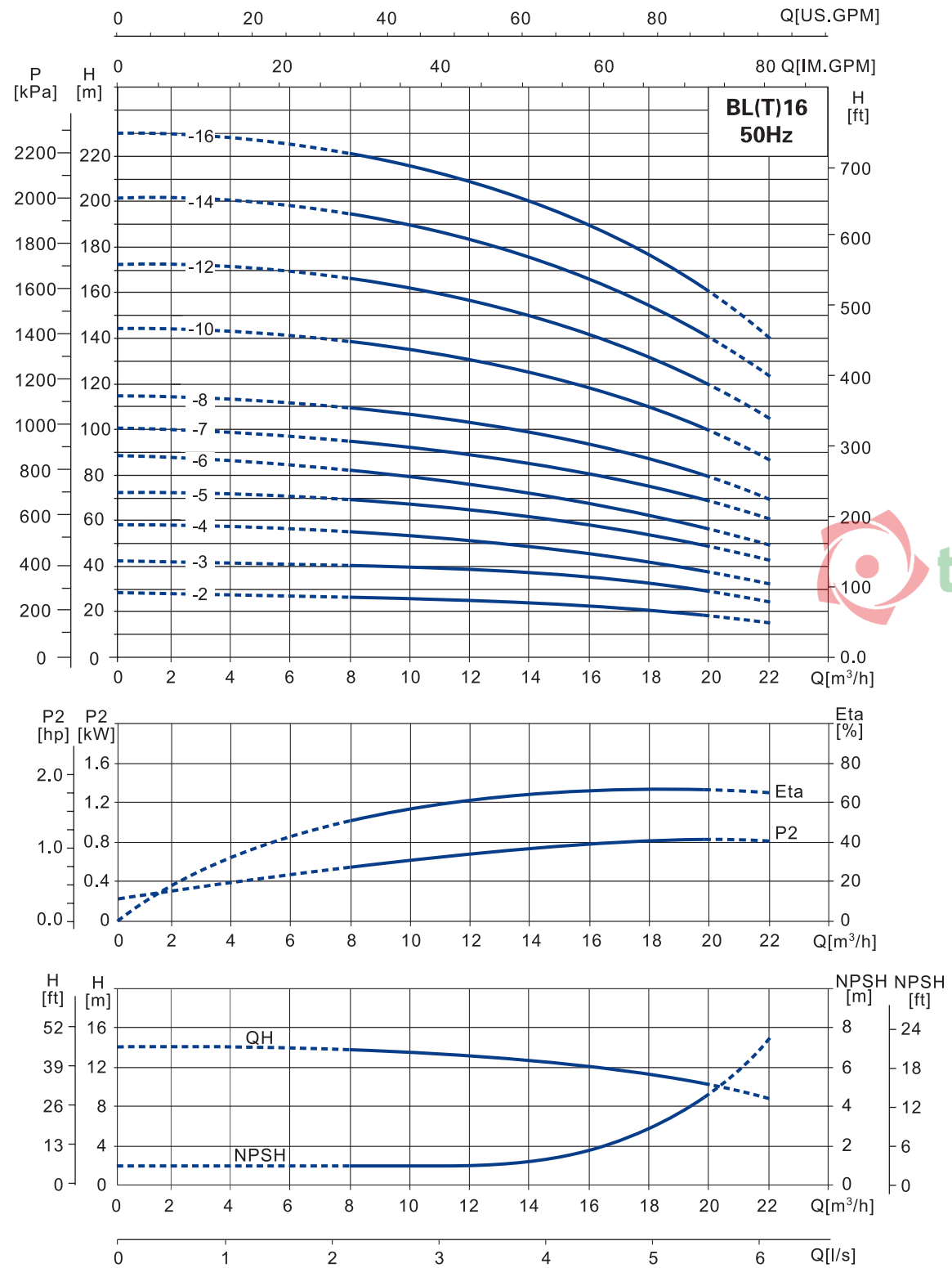
Model	Power		Caliber	Q (m³/h)	7	8	10	12	14	15	Head Range (m)
	kW	HP									
BL(T)12-2	1.5	2	50mm (2')	H (m)	23.5	23	22	20	17	15	15~23.5
BL(T)12-3	2.2	3			35.5	35	33	30	26	23	23~35.5
BL(T)12-4	3	4			47	46	44	40	34	31	31~47
BL(T)12-5	3	4			59.5	58	55	50	43	39	39~59.5
BL(T)12-6	4	5.5			71.5	70	66	60	52	47	47~71.5
BL(T)12-7	5.5	7.5			83.5	82	77	70	61	55	55~83.5
BL(T)12-8	5.5	7.5			95.5	94	88	80	70	63	63~95.5
BL(T)12-9	5.5	7.5			108	106	100	91	79	71	71~108
BL(T)12-10	7.5	10			120	118	111	101	88	80	80~120
BL(T)12-12	7.5	10			143.5	141	133	121	106	96	96~143.5
BL(T)12-14	11	15			168	165	155	141	124	112	112~168
BL(T)12-16	11	15			192.5	189	178	162	142	128	128~192.5
BL(T)12-18	11	15			217	213	202	183	160	145	145~217



Dimensions & Weight

Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)12-2	383	300	683	166	115	41	49
BL(T)12-3	415	300	715	166	115	45	53
BL(T)12-4	456	325	781	191	128	53	61
BL(T)12-5	488	325	813	191	128	54	62
BL(T)12-6	519	355	874	212	140	62	70
BL(T)12-7	575	395	970	258	163	80	89
BL(T)12-8	606	395	1001	258	163	81	90
BL(T)12-9	638	395	1033	258	163	82	91
BL(T)12-10	669	395	1064	258	163	87	96
BL(T)12-12	733	395	1128	258	163	90	98
BL(T)12-14	825	498	1323	315	251	164	173
BL(T)12-16	888	498	1386	315	251	167	175
BL(T)12-18	951	498	1449	315	251	169	178

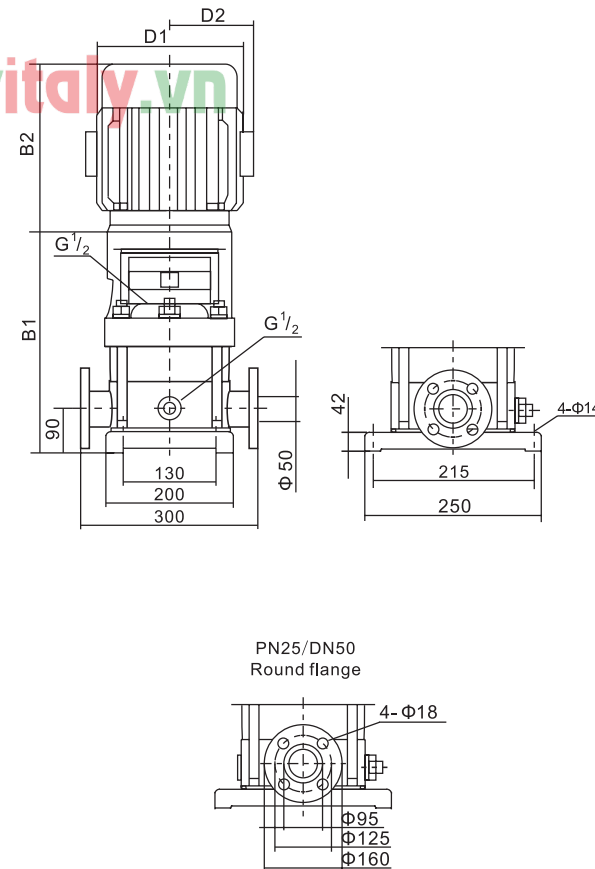
Performance Curve - BL(T)16



It is recommended to be used within lift range.

Performance Table

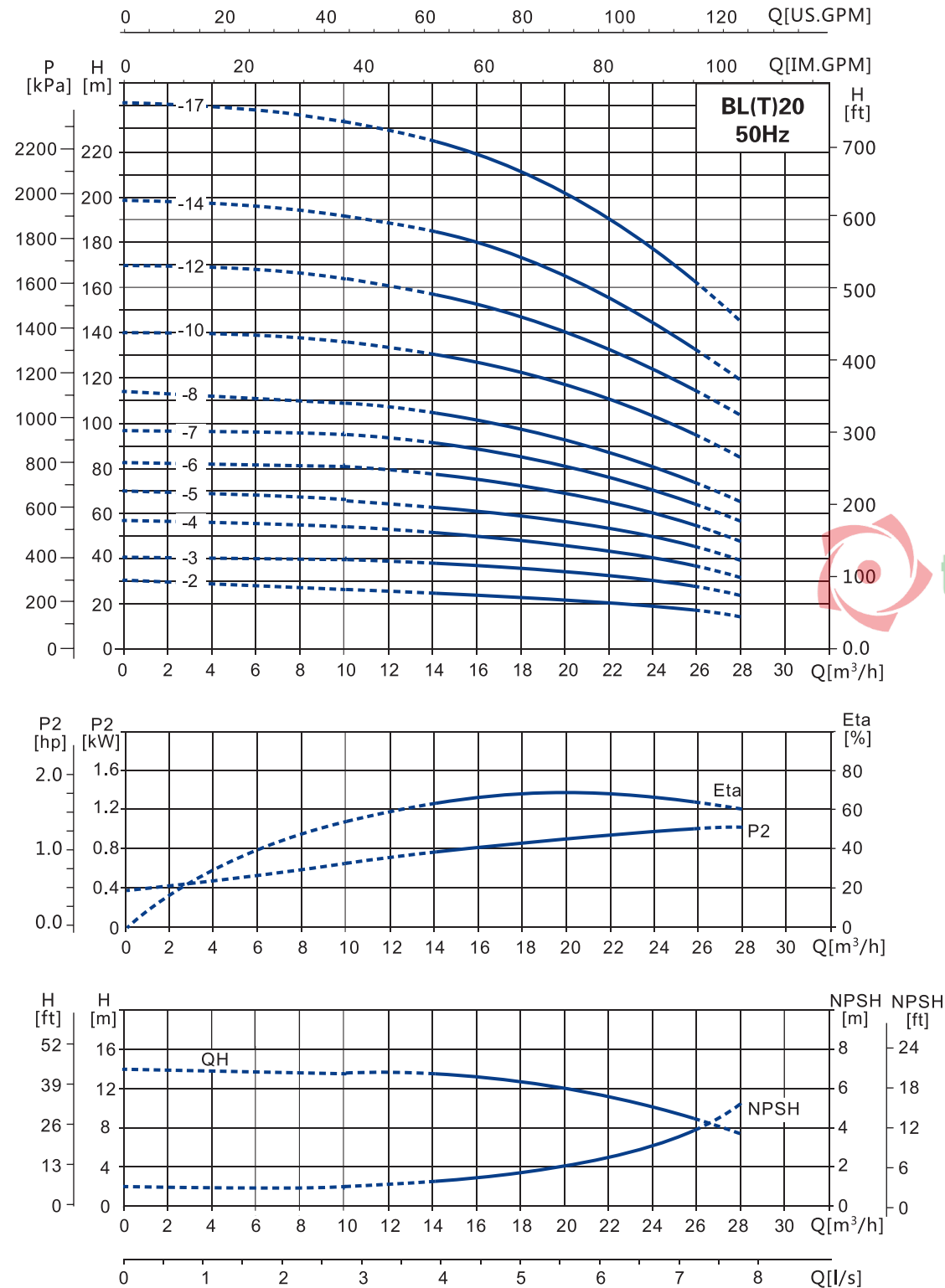
Model	Power		Caliber	Q (m³/h)	Head Range (m)									
	kW	HP			8	10	12	14	16	18	20	20		
BL(T)16-2	2.2	3	50mm (2')	H (m)	27	26	25	24	22	21	19	19~27		
BL(T)16-3	3	4			41	40	38	37	34	32	29	29~41		
BL(T)16-4	4	5.5			54	53	52	49	46	43	38	38~54		
BL(T)16-5	5.5	7.5			68	67	65	62	58	54	48	48~68		
BL(T)16-6	5.5	7.5			82	80	78	74	70	64	58	58~82		
BL(T)16-7	7.5	10			96	95	91	87	82	76	68	68~96		
BL(T)16-8	7.5	10			110	108	104	99	94	86	77	77~110		
BL(T)16-10	11	15			138	136	131	125	118	109	97	97~138		
BL(T)16-12	11	15			166	162	157	150	141	130	116	116~166		
BL(T)16-14	15	20			194	190	184	175	166	152	136	136~194		
BL(T)16-16	15	20			222	217	210	200	189	174	156	156~222		



Dimensions & Weight

Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)16-2	410	300	710	166	115	45	53
BL(T)16-3	465	325	790	191	128	52	60
BL(T)16-4	510	355	865	212	140	61	69
BL(T)16-5	581	395	976	258	163	79	88
BL(T)16-6	626	395	1021	258	163	81	90
BL(T)16-7	671	395	1066	258	163	84	95
BL(T)16-8	716	395	1111	258	163	86	97
BL(T)16-10	837	498	1335	315	251	164	173
BL(T)16-12	927	498	1425	315	251	167	176
BL(T)16-14	1017	498	1515	315	251	181	189
BL(T)16-16	1107	498	1605	315	251	184	192

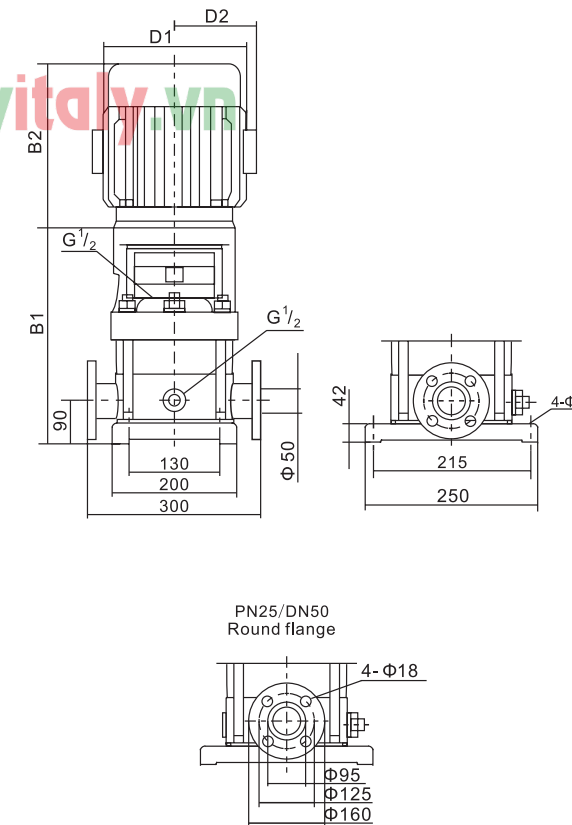
Performance Curve - BL(T)20



It is recommended to be used within lift range.

Performance Table

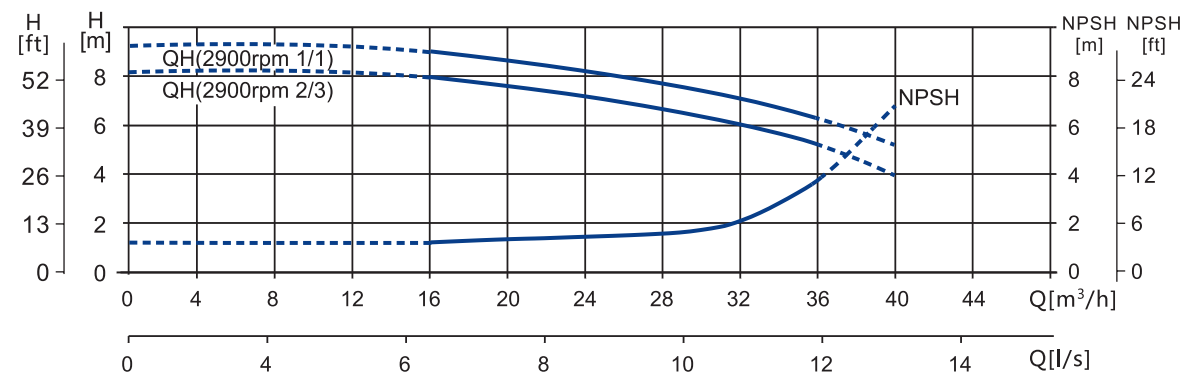
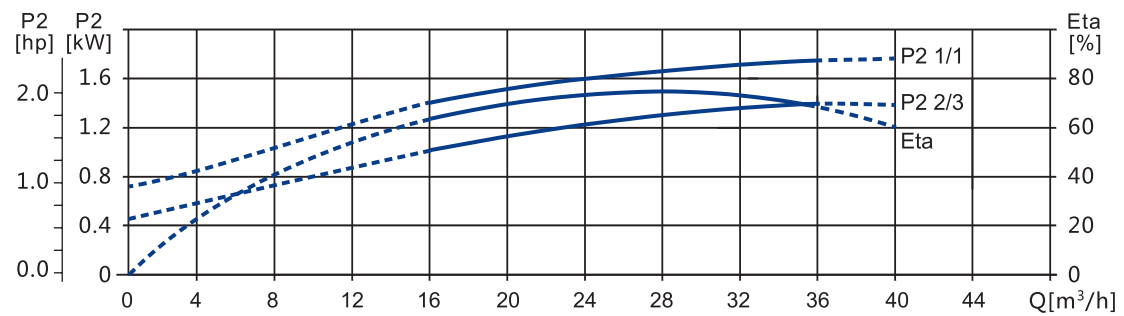
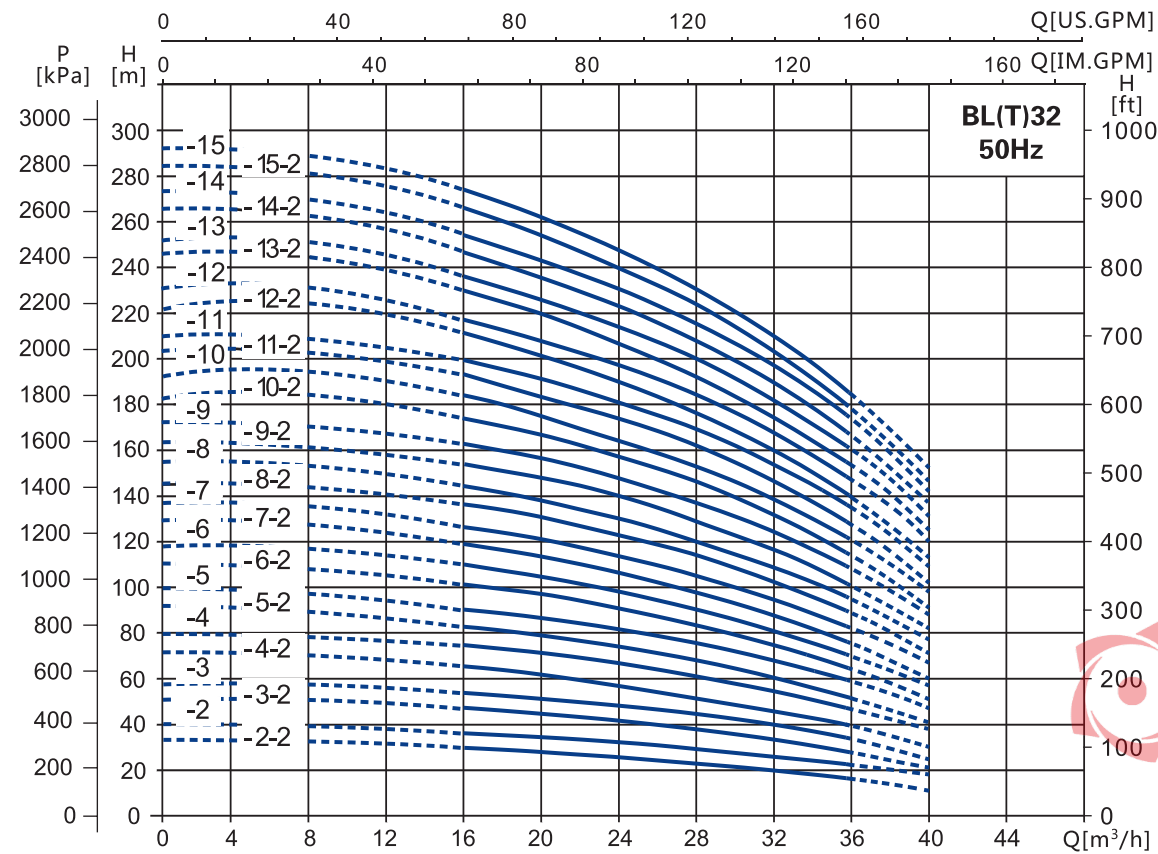
Model	Power		Caliber	Q (m³/h)	14	16	18	20	22	24	26	Head Range (m)
	kW	HP			14	16	18	20	22	24	26	
BL(T)20-2	2.2	3	50mm (2')	H (m)	26	25	24	23	22	20	18	18-26
BL(T)20-3	4	5.5			39	38	37	35	33	30	27	27-39
BL(T)20-4	5.5	7.5			52	51	49	47	44	41	37	37-52
BL(T)20-5	5.5	7.5			64	62	60	58	55	50	45	45-64
BL(T)20-6	7.5	10			77	75	73	70	66	61	55	55-77
BL(T)20-7	7.5	10			91	89	86	82	77	71	65	65-91
BL(T)20-8	11	15			105	102	99	94	89	82	75	75-105
BL(T)20-10	11	15			131	128	124	118	111	103	95	95-131
BL(T)20-12	15	20			158	154	149	142	133	124	114	114-158
BL(T)20-14	15	20			185	180	174	166	156	145	133	133-185
BL(T)20-17	18.5	25			225	219	212	202	190	177	162	162-225



Dimensions & Weight

Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)20-2	410	300	710	166	115	46	53
BL(T)20-3	465	355	820	212	140	61	68
BL(T)20-4	536	395	931	258	163	79	87
BL(T)20-5	581	395	976	258	163	81	88
BL(T)20-6	626	395	1021	258	163	84	94
BL(T)20-7	671	498	1169	258	163	86	95
BL(T)20-8	747	498	1245	315	251	162	170
BL(T)20-10	837	498	1335	315	251	165	173
BL(T)20-12	927	498	1425	315	251	180	186
BL(T)20-14	1017	498	1515	315	251	183	189
BL(T)20-17	1152	542	1694	315	251	203	211

Performance Curve - BL(T)32



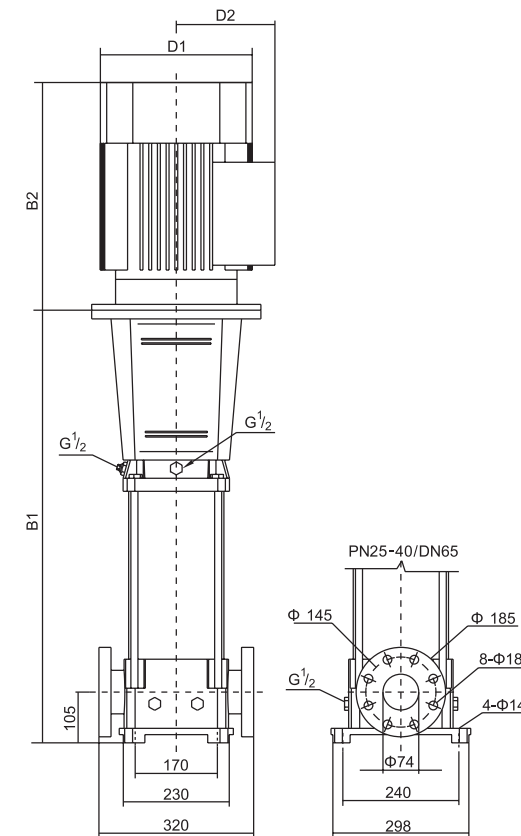
It is recommended to be used within lift range.

Performance Table

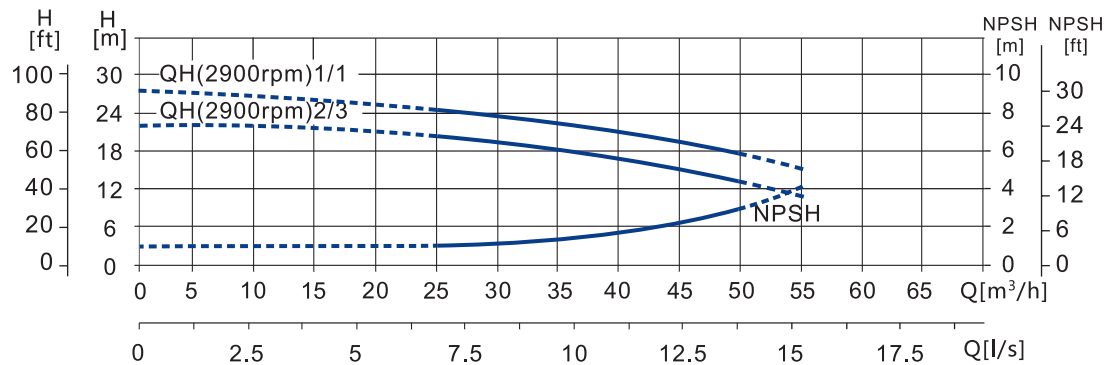
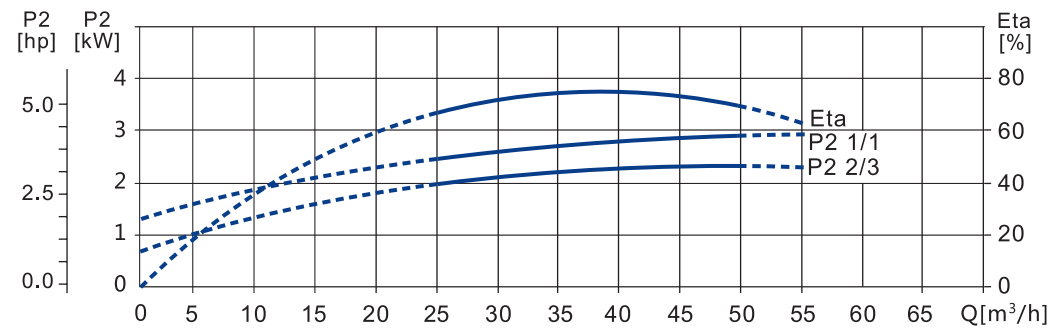
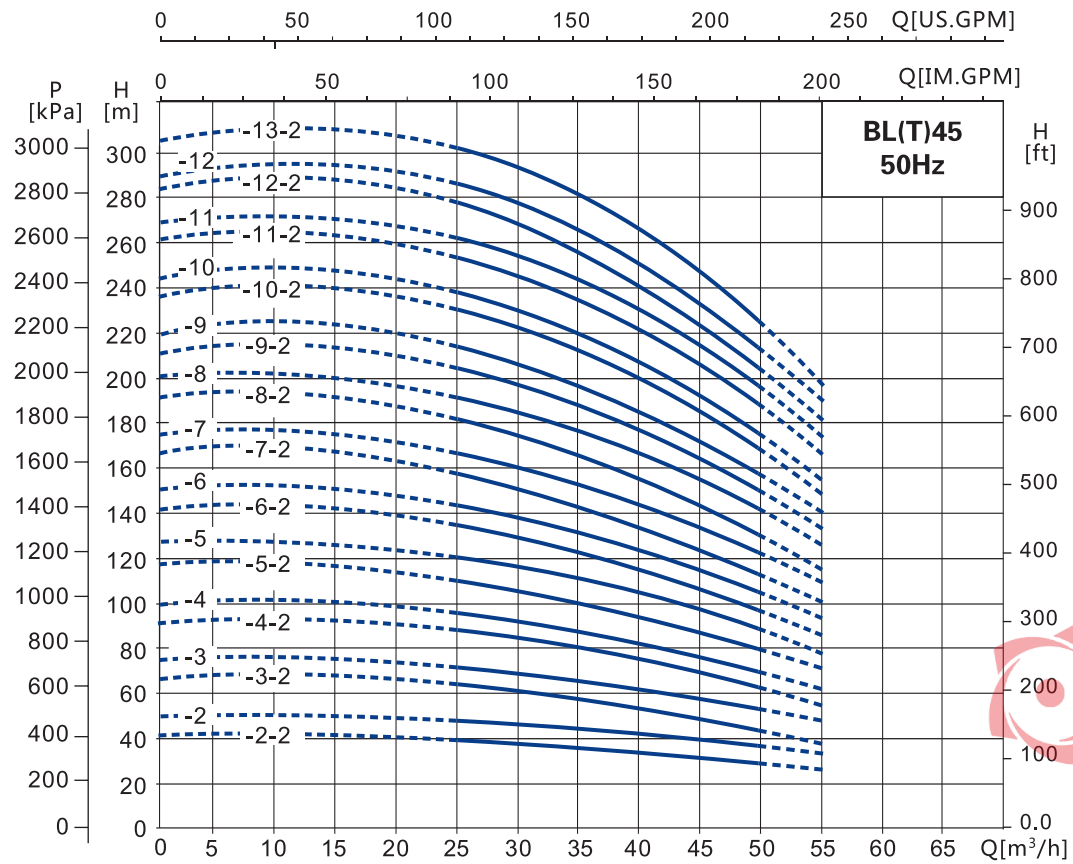
Model	Power		Caliber	Q (m³/h)	16	20	24	28	32	36	Head Range (m)
	kW	HP									
BL(T)32-2-2	3	4	74mm (3')	H (m)	29	28	26	23	20	16	16~29
BL(T)32-2	4	5.5			36	34	32	29	27	23	23~36
BL(T)32-3-2	5.5	7.5			47	44	41	38	33	28	28~47
BL(T)32-3	5.5	7.5			54	51	48	44	40	35	35~54
BL(T)32-4-2	7.5	10			65	62	58	53	46	40	40~65
BL(T)32-4	7.5	10			72	69	65	59	53	47	47~72
BL(T)32-5-2	11	15			83	79	74	68	60	52	52~83
BL(T)32-5	11	15			90	86	81	74	67	59	59~90
BL(T)32-6-2	11	15			101	97	90	83	74	65	65~101
BL(T)32-6	11	15			108	104	97	90	81	72	72~108
BL(T)32-7-2	15	20			119	114	107	98	88	78	78~119
BL(T)32-7	15	20			126	121	113	105	95	85	85~126
BL(T)32-8-2	15	20			136	131	123	114	102	90	90~136
BL(T)32-8	15	20			144	138	130	120	109	97	97~144
BL(T)32-9-2	18.5	25			154	148	140	129	117	102	102~154
BL(T)32-9	18.5	25			162	156	147	136	124	109	109~162
BL(T)32-10-2	18.5	25			175	166	157	146	131	115	115~175
BL(T)32-10	18.5	25			182	173	164	152	138	122	122~182
BL(T)32-11-2	22	30			193	184	173	164	146	128	128~193
BL(T)32-11	22	30			200	191	180	168	153	135	135~200
BL(T)32-12-2	22	30	211	201	189	178	160	140	140~211		
BL(T)32-12	22	30	218	208	196	184	167	147	147~218		
BL(T)32-13-2	30	40	230	218	206	193	174	153	153~230		
BL(T)32-13	30	40	237	225	213	200	181	160	160~237		
BL(T)32-14-2	30	40	247	235	222	210	189	165	165~247		
BL(T)32-14	30	40	255	242	229	216	196	172	172~255		
BL(T)32-15-2	30	40	266	253	239	224	203	178	178~266		
BL(T)32-15	30	40	274	260	246	231	210	185	185~274		

Dimensions & Weight

Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)32-2-2	634	325	959	191	140	74	78
BL(T)32-2	634	355	989	212	163	81	85
BL(T)32-3-2	724	395	1119	258	163	100	104
BL(T)32-3	724	395	1119	258	163	100	104
BL(T)32-4-2	794	395	1189	258	163	106	110
BL(T)32-4	794	395	1189	258	163	106	110
BL(T)32-5-2	894	498	1392	315	251	185	189
BL(T)32-5	894	498	1392	315	251	185	189
BL(T)32-6-2	964	498	1462	315	251	189	193
BL(T)32-6	964	498	1462	315	251	189	193
BL(T)32-7-2	1034	498	1532	315	251	203	207
BL(T)32-7	1034	498	1532	315	251	203	207
BL(T)32-8-2	1104	498	1602	315	251	207	211
BL(T)32-8	1104	498	1602	315	251	207	211
BL(T)32-9-2	1174	542	1716	315	251	228	232
BL(T)32-9	1174	542	1716	315	251	228	232
BL(T)32-10-2	1244	542	1786	315	251	232	236
BL(T)32-10	1244	542	1786	315	251	232	236
BL(T)32-11-2	1314	578	1892	355	267	278	282
BL(T)32-11	1314	578	1892	355	267	278	282
BL(T)32-12-2	1384	578	1962	355	267	281	286
BL(T)32-12	1384	578	1962	355	267	281	286
BL(T)32-13-2	1454	669	2123	397	299	361	365
BL(T)32-13	1454	669	2123	397	299	361	365
BL(T)32-14-2	1524	669	2193	397	299	364	369
BL(T)32-14	1524	669	2193	397	299	364	369
BL(T)32-15-2	1594	669	2263	397	299	368	373
BL(T)32-15	1594	669	2263	397	299	368	373



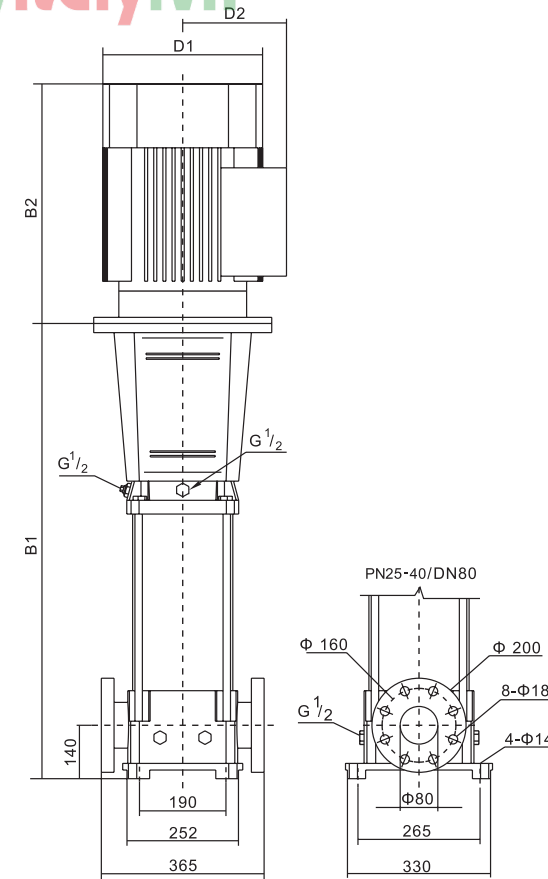
Performance Curve - BL(T)45



It is recommended to be used within lift range.

Performance Table

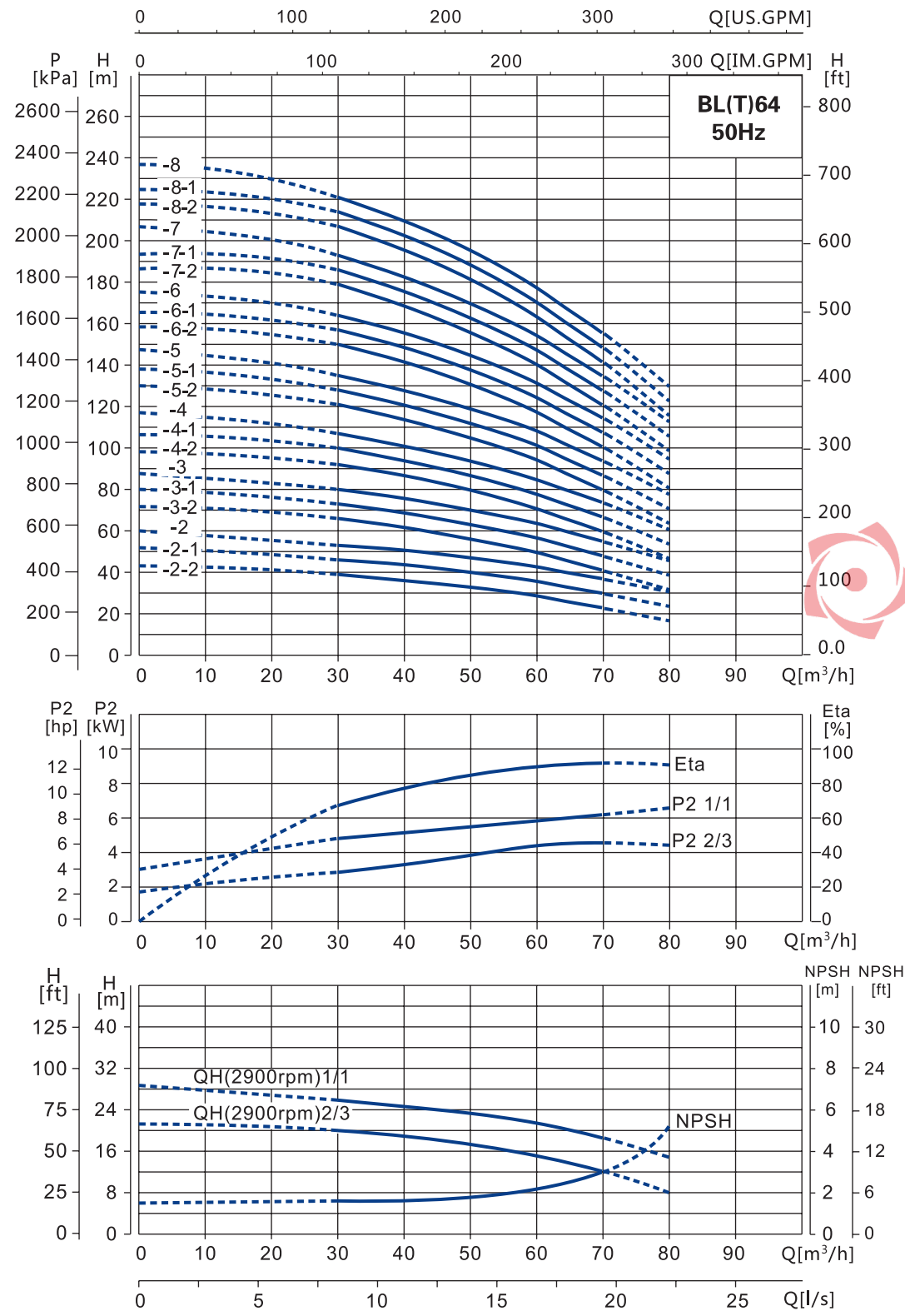
Model	Power		Caliber	Q (m³/h)	25	30	35	40	45	50	Head Range (m)
	kW	HP									
BL(T)45-2-2	5.5	7.5	74mm (3 1/4')	H (m)	40	38	36	33	30	27	27~40
BL(T)45-2	7.5	10			48	46	44	42	39	35	35~48
BL(T)45-3-2	11	15			63	61	58	54	50	44	44~63
BL(T)45-3	11	15			71	69	66	63	58	53	53~71
BL(T)45-4-2	15	20			87	84	80	75	69	62	62~87
BL(T)45-4	15	20			95	92	88	84	78	71	71~95
BL(T)45-5-2	18.5	25			111	107	102	96	88	80	80~111
BL(T)45-5	18.5	25			119	115	110	105	97	88	88~119
BL(T)45-6-2	22	30			135	130	124	117	108	97	97~135
BL(T)45-6	22	30			143	138	132	125	116	106	106~143
BL(T)45-7-2	30	40			158	152	146	138	127	115	115~158
BL(T)45-7	30	40			166	161	154	146	135	124	124~166
BL(T)45-8-2	30	40			182	175	168	159	146	133	133~182
BL(T)45-8	30	40	190	184	176	167	154	141	141~190		
BL(T)45-9-2	30	40	205	198	190	180	166	150	150~205		
BL(T)45-9	37	50	214	207	198	188	174	159	159~214		
BL(T)45-10-2	37	50	230	221	212	200	185	168	168~230		
BL(T)45-10	37	50	238	230	220	209	193	177	177~238		
BL(T)45-11-2	45	60	255	246	236	223	206	188	188~255		
BL(T)45-11	45	60	263	255	244	232	214	196	196~263		
BL(T)45-12-2	45	60	280	270	259	245	226	206	206~280		
BL(T)45-12	45	60	289	280	268	255	236	216	216~289		
BL(T)45-13-2	45	60	305	294	282	267	247	225	225~305		



Dimensions & Weight

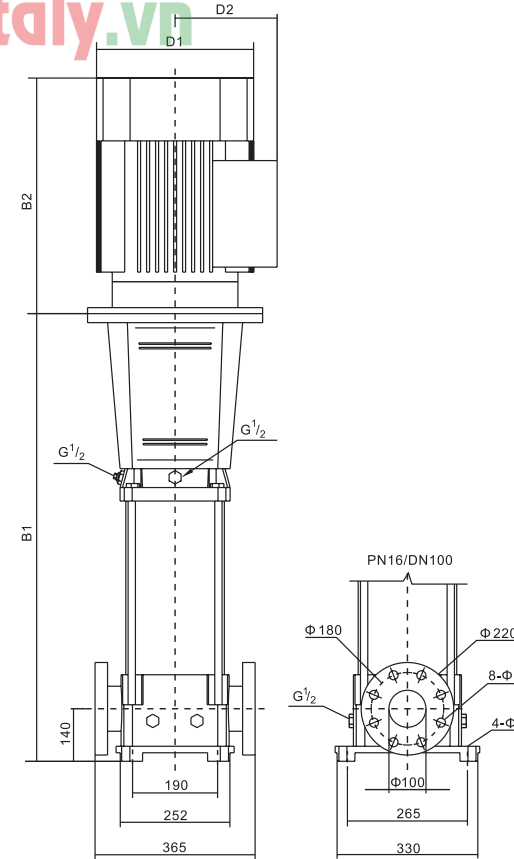
Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)45-2-2	716	395	1111	258	163	109	117
BL(T)45-2	716	395	1111	258	163	113	121
BL(T)45-3-2	826	498	1324	315	251	190	197
BL(T)45-3	826	498	1324	315	251	190	197
BL(T)45-4-2	906	498	1404	315	251	204	211
BL(T)45-4	906	498	1404	315	251	204	211
BL(T)45-5-2	986	542	1528	315	251	225	233
BL(T)45-5	986	542	1528	315	251	225	233
BL(T)45-6-2	1066	578	1644	355	267	272	279
BL(T)45-6	1066	578	1644	355	267	272	279
BL(T)45-7-2	1146	669	1815	397	299	351	359
BL(T)45-7	1146	669	1815	397	299	351	359
BL(T)45-8-2	1226	669	1895	397	299	354	361
BL(T)45-8	1226	669	1895	397	299	354	361
BL(T)45-9-2	1306	669	1975	397	299	358	366
BL(T)45-9	1386	669	2055	397	299	380	388
BL(T)45-10-2	1386	669	2055	397	299	385	392
BL(T)45-10	1466	669	2135	446	299	385	392
BL(T)45-11-2	1466	709	2175	446	322	450	457
BL(T)45-11	1546	709	2255	446	322	450	457
BL(T)45-12-2	1546	709	2255	446	322	454	462
BL(T)45-12	1626	709	2335	446	322	454	462
BL(T)45-13-2	1626	709	2335	446	322	458	465

Performance Curve - BL(T)64



Performance Table

Model	Power		Caliber	Q (m³/h)	30	40	50	60	64	70	Head Range (m)
	kW	HP									
BL(T)64-2-2	7.5	10	100mm (4')	H (m)	39	36	33	29	26	23	23~39
BL(T)64-2-1	11	15			46	44	40	36	33	30	30~46
BL(T)64-2	11	15			53	51	47	43	40	37	37~53
BL(T)64-3-2	15	20			66	62	56	50	46	41	41~66
BL(T)64-3-1	15	20			73	69	63	57	53	48	48~73
BL(T)64-3	18.5	25			80	76	71	65	60	56	55~80
BL(T)64-4-2	18.5	25			92	87	80	71	66	60	60~92
BL(T)64-4-1	22	30			100	94	87	78	73	67	67~100
BL(T)64-4	22	30			107	101	94	85	80	74	74~107
BL(T)64-5-2	30	40			121	114	105	95	88	80	80~121
BL(T)64-5-1	30	40			128	121	112	102	95	87	87~128
BL(T)64-5	30	40			136	129	119	109	102	94	94~136
BL(T)64-6-2	30	40			150	142	131	118	110	101	101~150
BL(T)64-6-1	37	50			157	149	138	125	117	108	108~157
BL(T)64-6	37	50			164	156	145	132	124	115	115~164
BL(T)64-7-2	37	50			179	169	156	141	132	121	121~179
BL(T)64-7-1	37	50			186	176	163	148	139	128	128~186
BL(T)64-7	45	60			193	183	170	155	146	135	135~193
BL(T)64-8-2	45	60			207	196	182	164	154	142	142~207
BL(T)64-8-1	45	60			214	203	189	171	161	149	149~214
BL(T)64-8	45	60	221	210	196	178	168	156	156~221		

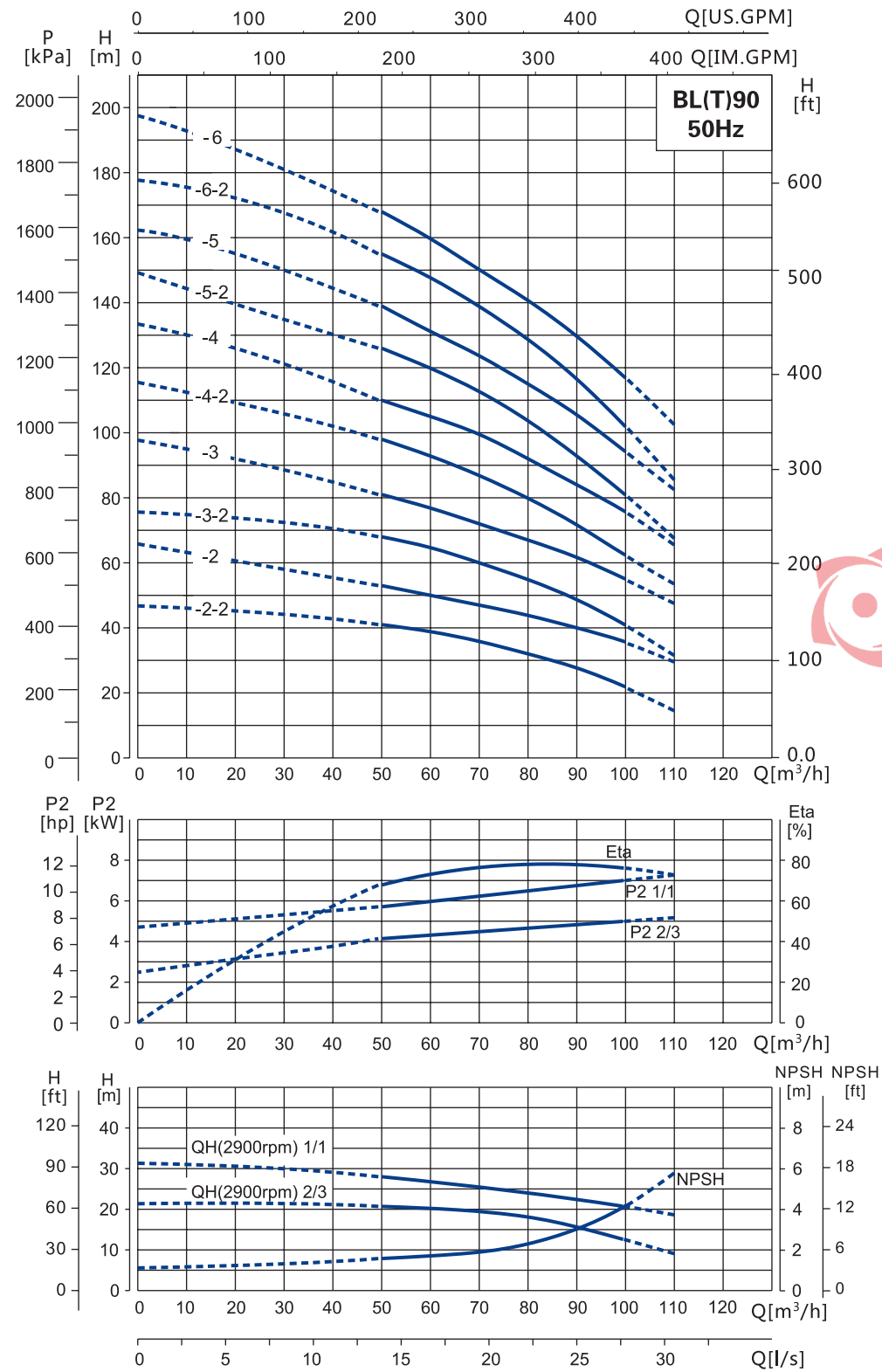


PN25-40/DN100 standard flange, on request.

Dimensions & Weight

Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)64-2-2	685	390	1075	258	163	133	141
BL(T)64-2-1	715	498	1213	315	251	197	204
BL(T)64-2	715	498	1213	315	251	197	204
BL(T)64-3-2	825	498	1323	315	251	210	218
BL(T)64-3-1	825	498	1323	315	251	210	218
BL(T)64-3	825	542	1367	315	251	227	235
BL(T)64-4-2	905	542	1447	315	251	231	247
BL(T)64-4-1	905	578	1483	355	267	274	282
BL(T)64-4	905	578	1483	355	267	274	282
BL(T)64-5-2	985	669	1653	397	299	354	361
BL(T)64-5-1	985	669	1653	397	299	354	361
BL(T)64-5	985	669	1653	397	299	354	361
BL(T)64-6-2	1065	669	1734	397	299	358	366
BL(T)64-6-1	1065	669	1734	397	299	380	388
BL(T)64-6	1065	669	1734	397	299	380	388
BL(T)64-7-2	1145	669	1814	397	299	386	394
BL(T)64-7-1	1145	669	1814	397	299	386	394
BL(T)64-7	1145	709	1854	446	322	445	453
BL(T)64-8-2	1225	709	1934	446	322	450	457
BL(T)64-8-1	1225	709	1934	446	322	450	457
BL(T)64-8	1225	709	1934	446	322	450	457

Performance Curve- BL(T)90



It is recommended to be used within lift range.

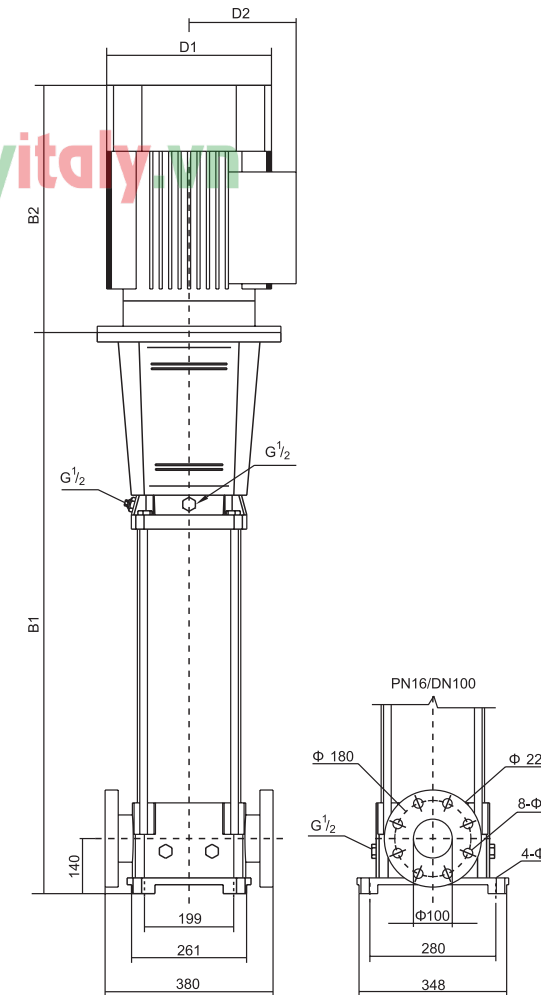
Performance Table

Model	Power		Caliber	Q (m³/h)	50	60	70	80	90	100	Head Range (m)
	kW	HP			H (m)						
BL(T)90-2-2	11	15	100mm (4')	H (m)	41	39	36	32	28	22	22~41
BL(T)90-2	15	20			53	50	47	44	40	36	36~53
BL(T)90-3-2	18.5	25			68	65	60	55	49	41	41~68
BL(T)90-3	22	30			81	77	72	67	62	55	55~81
BL(T)90-4-2	30	40			98	93	87	80	72	62	62~98
BL(T)90-4	30	40			110	105	100	92	84	76	76~110
BL(T)90-5-2	37	50			126	120	113	104	93	81	81~126
BL(T)90-5	37	50			139	131	124	115	106	94	94~139
BL(T)90-6-2	45	60			155	148	139	129	117	102	102~155
BL(T)90-6	45	60			168	160	150	141	130	117	117~168

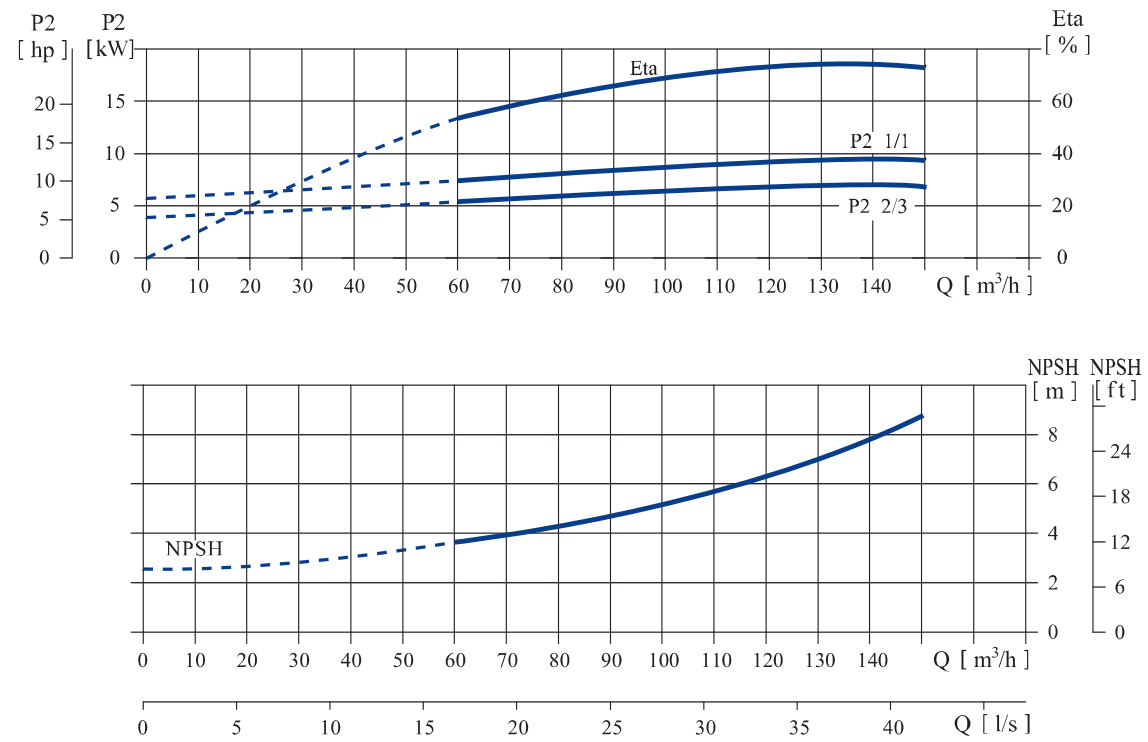
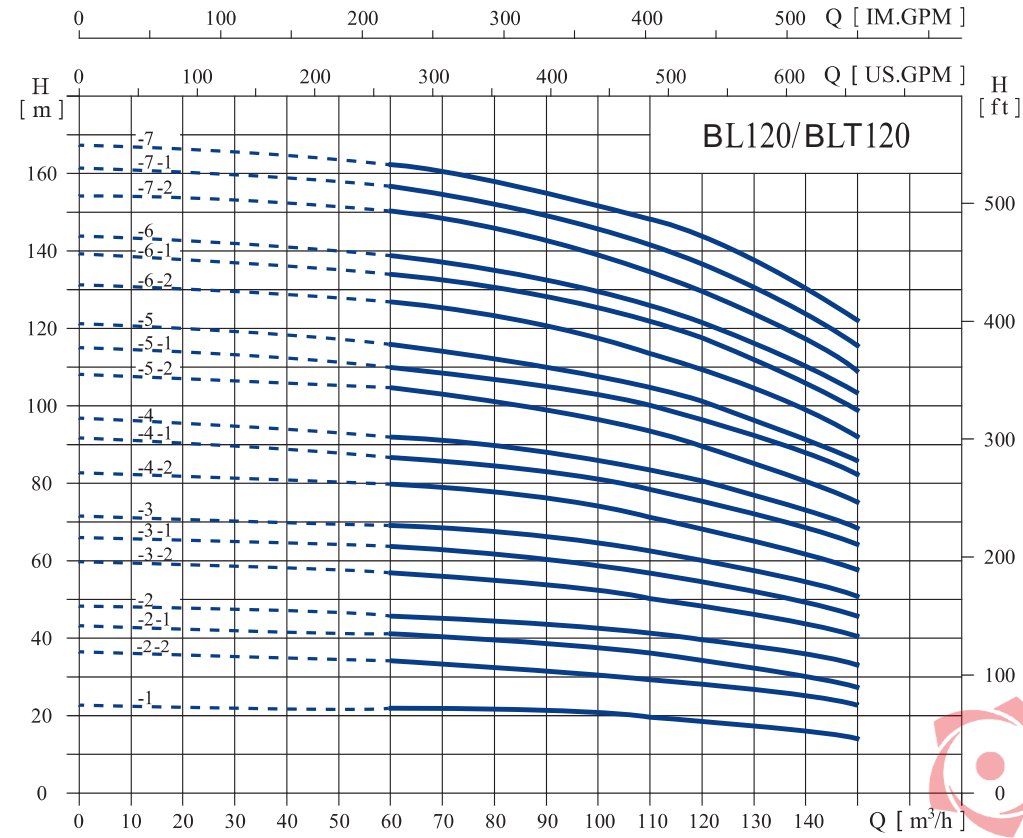


Dimensions & Weight

Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)90-2-2	771	498	1269	315	251	196	210
BL(T)90-2	771	498	1269	315	251	207	214
BL(T)90-3-2	863	542	1405	315	251	227	235
BL(T)90-3	863	578	1441	355	267	269	277
BL(T)90-4-2	955	669	1624	397	299	341	349
BL(T)90-4	955	669	1624	397	299	341	349
BL(T)90-5-2	1047	669	1716	397	299	376	383
BL(T)90-5	1047	669	1716	397	299	376	383
BL(T)90-6-2	1139	709	1848	446	322	439	447
BL(T)90-6	1139	709	1848	446	322	439	447



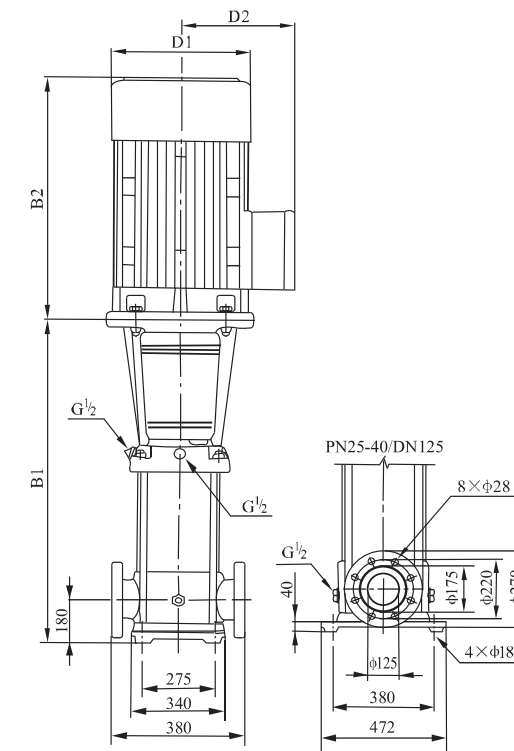
PN25-40/DN100 standard flange, on request.



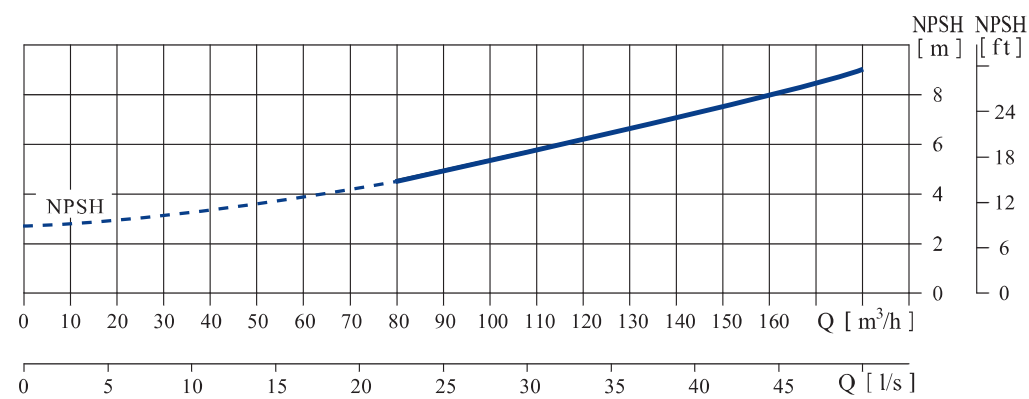
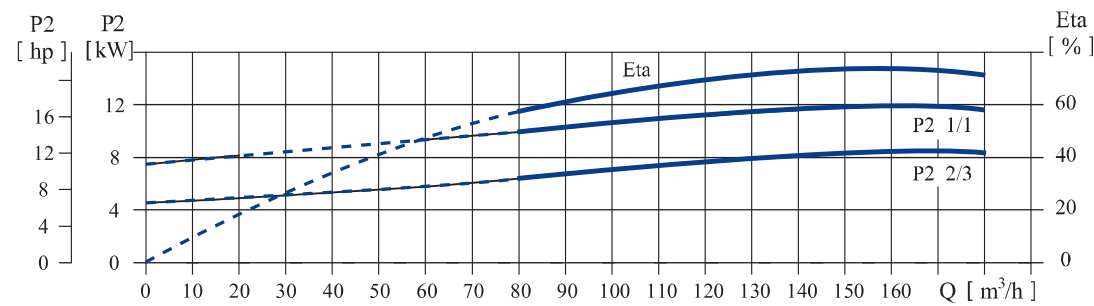
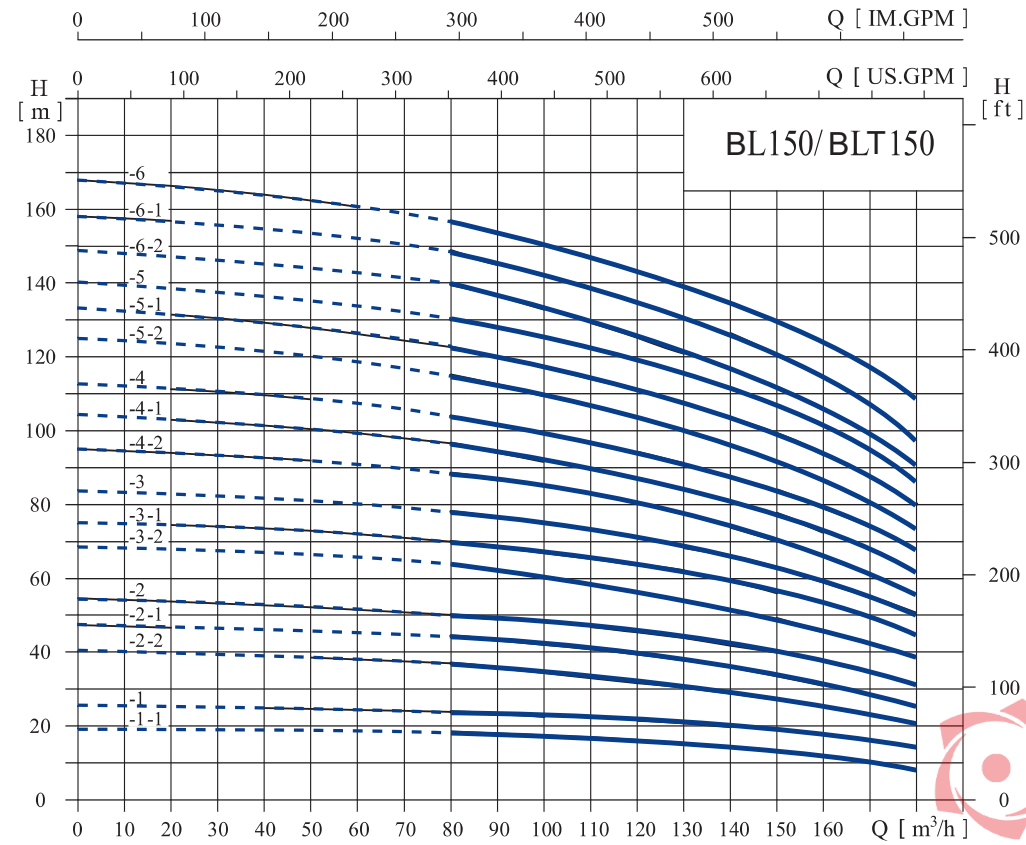
Performance Table

Model	Power		Q (m³/h)	H (m)											
	kW	HP		60	70	80	90	100	110	120	130	140	150	Head Range (m)	
BL(T)120-1	11	15	22	21.8	21.6	21	20.5	19.5	18.5	17	16	15	15~22		
BL(T)120-2-2	15	20	34	33.6	33	31	30.2	30	28.5	27	25	24	24~34		
BL(T)120-2-1	18.5	15	41	40	39.5	38.5	37	36.5	34.5	32.5	30	27.5	27.5~41		
BL(T)120-2	22	30	46	45	44.5	43.5	42.4	41	40	38	36	33.5	33.5~46		
BL(T)120-3-2	30	40	57	56	55	53.5	52	51	49	46.5	43.5	41	41~57		
BL(T)120-3-1	30	40	64	63	62	60	58.5	57.5	55.5	52	49	46	46~64		
BL(T)120-3	30	40	69.5	68.5	67.5	66	64.4	62.5	61	57.5	54.5	51	51~69.5		
BL(T)120-4-2	37	49.5	80.5	79	78	76	73.5	72	69	66	61.5	58	58~80.5		
BL(T)120-4-1	37	49.5	87	86	84.5	82	80	78	76	72	68	64.5	64.5~87		
BL(T)120-4	45	60	92.5	91	90	88	85.5	83	81	77	73	68.5	68.5~92.5		
BL(T)120-5-2	45	60	104.5	103	101	99	96	93	90	85.5	80.5	75.5	75.5~104.5		
BL(T)120-5-1	45	60	110.5	109	107.5	105	102	100	97	92	86.5	83	83~110.5		
BL(T)120-5	55	73.5	115.5	114	113	110	107.5	104.5	101.5	96	91	86	86~115.5		
BL(T)120-6-2	55	73.5	128	125.5	123	121	117.3	113.5	110	104.5	98.5	92.5	92.5~128		
BL(T)120-6-1	55	73.5	134	132	130.5	127	124	121	118	111	105	100	100~134		
BL(T)120-6	75	100	139	137	135	132	128.8	126	123	116	110	104	104~139		
BL(T)120-7-2	75	100	151	148	145.5	143	138.6	134	130	123.5	116.5	109	109~151		
BL(T)120-7-1	75	100	156.5	154	152	148.5	144.5	141	137.5	130	123	116.5	116.5~156.5		
BL(T)120-7	75	100	162.5	160.5	158.5	155	151	148	145	137	129	123	123~162.5		

Dimensions & Weight



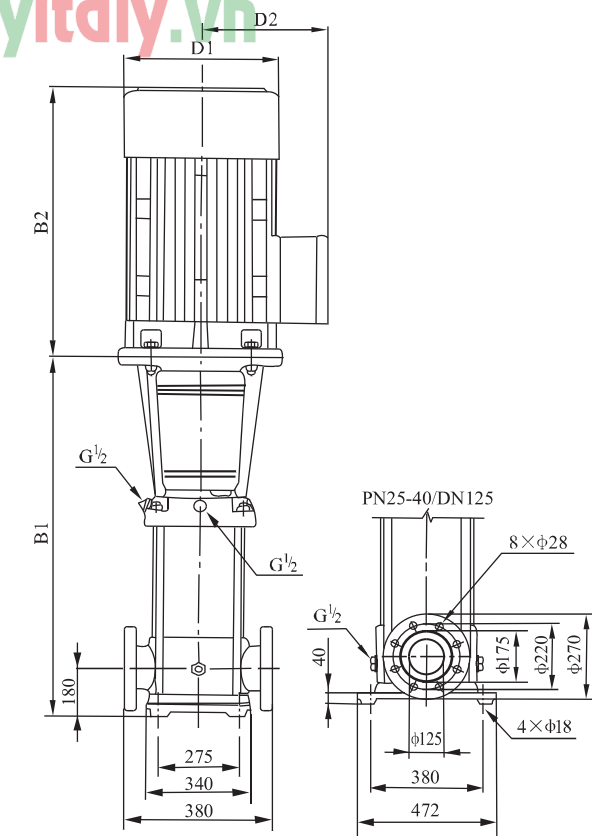
Model	Dim.(mm)					N.W.(kg)
	B1	B2	B1+B2	D1	D2	
BL(T)120-1	840	500	1340	330	255	230
BL(T)120-2-2	1000	500	1500	330	255	245
BL(T)120-2-1	1000	550	1550	330	255	250
BL(T)120-2	1000	575	1575	360	285	285
BL(T)120-3-2	1160	650	1810	400	310	360
BL(T)120-3-1	1160	650	1810	400	310	360
BL(T)120-3	1160	650	1810	400	310	360
BL(T)120-4-2	1320	650	1970	400	310	400
BL(T)120-4-1	1320	650	1970	400	310	400
BL(T)120-4	1320	685	2005	460	340	460
BL(T)120-5-2	1480	685	2165	460	340	470
BL(T)120-5-1	1480	685	2165	460	340	470
BL(T)120-5	1510	760	2270	540	370	575
BL(T)120-6-2	1670	760	2430	540	370	585
BL(T)120-6-1	1670	760	2430	540	370	585
BL(T)120-6	1670	845	2515	580	410	705
BL(T)120-7-2	1830	845	2675	580	410	715
BL(T)120-7-1	1830	845	2675	580	410	715
BL(T)120-7	1830	845	2675	580	410	715



Performance Table

Model	Power		Q (m³/h)	H (m)														Head Range (m)
	kW	HP		80	90	100	110	120	130	140	150	160	170	180				
BL(T)150-1-1	11	15	18.3	17.8	17.3	17	16	15	14	12.5	11	10	8.5	8.5~18.3				
BL(T)150-1	15	20	24	23	22.5	22	21.5	20.5	20	18.5	17	16	15	15~24				
BL(T)150-2-2	18.5	15	37	35.5	34	33	32	31	29	27.5	26	23	21	21~37				
BL(T)150-2-1	22	30	44.3	43	42	40	39	38.5	37.5	35	33	30	27	27~44.3				
BL(T)150-2	30	40	50	49	48	47	45.5	44	42	40	37	34	32	32~50				
BL(T)150-3-2	30	40	63.5	61	59	57.5	56	54.5	53	49	45.5	42	39	39~63.5				
BL(T)150-3-1	37	49.5	70	68	67	65	63	62	60	56	53	49	45	45~70				
BL(T)150-3	37	49.5	78	76.5	75	73	70.5	68	66	63	59	55	50.5	50.5~78				
BL(T)150-4-2	45	60	89	87	84	81.5	79	77	74.5	70.5	65.5	60	56	56~89				
BL(T)150-4-1	45	60	96.5	94	91.5	89	86.5	84	81.5	77	72.5	67	62	62~96.5				
BL(T)150-4	55	73.5	104	102	100	97	95	91	88	84	79.5	74	68	68~104				
BL(T)150-5-2	55	73.5	115.5	112	109	106	102.5	100	97	92	86	79	73.5	73.5~115.5				
BL(T)150-5-1	75	100	122.5	119.5	117	113.5	111.5	107.5	104.5	99	93.5	87	80	80~122.5				
BL(T)150-5	75	100	130	127.5	125	121	119	115	111.5	106.5	101	94.5	86.5	86.5~130				
BL(T)150-6-2	75	100	140	137	133	130	126	121	118	112	106	98	91	91~140				
BL(T)150-6-1	75	100	148.5	145	141.7	137.5	135	131	127	120.5	114.5	106.5	97.5	97.5~148.5				
BL(T)150-6	75	100	157	153	149	145	142	139.5	137	130	123.5	116	109	109~157				

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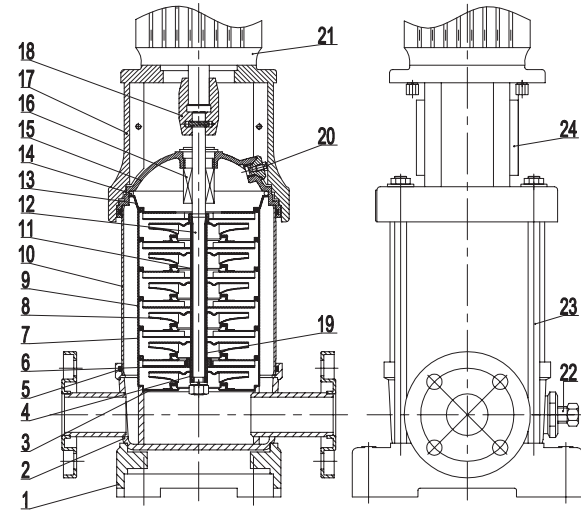


Dimensions & Weight

Model	Dim.(mm)					N.W.(kg)
	B1	B2	B1+B2	D1	D2	
BL(T)150-1-1	840	500	1340	330	255	230
BL(T)150-1	840	500	1340	330	255	235
BL(T)150-2-2	1000	550	1550	330	255	250
BL(T)150-2-1	1000	575	1575	360	285	295
BL(T)150-2	1000	650	1650	400	310	350
BL(T)150-3-2	1160	650	1810	400	310	360
BL(T)150-3-1	1160	650	1810	400	310	360
BL(T)150-3	1160	650	1810	400	310	385
BL(T)150-4-2	1320	685	2005	460	340	460
BL(T)150-4-1	1320	685	2005	460	340	460
BL(T)150-4	1350	760	2110	540	370	560
BL(T)150-5-2	1510	760	2270	540	370	570
BL(T)150-5-1	1510	845	2355	580	410	690
BL(T)150-5	1510	845	2355	580	410	690
BL(T)150-6-2	1670	845	2515	580	410	700
BL(T)150-6-1	1670	845	2515	580	410	700
BL(T)150-6	1670	845	2515	580	410	700

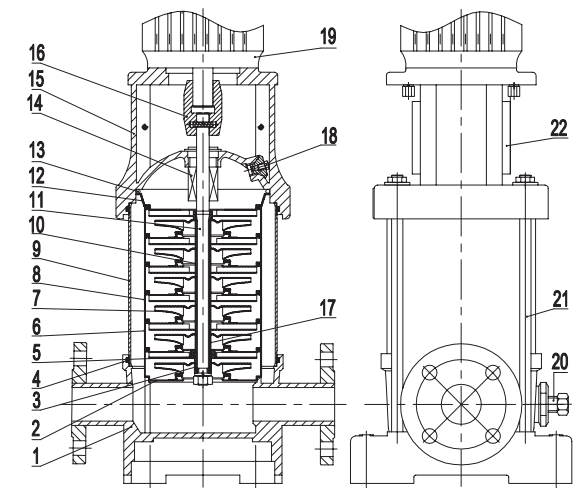
Components & Materials

BL2 BL4



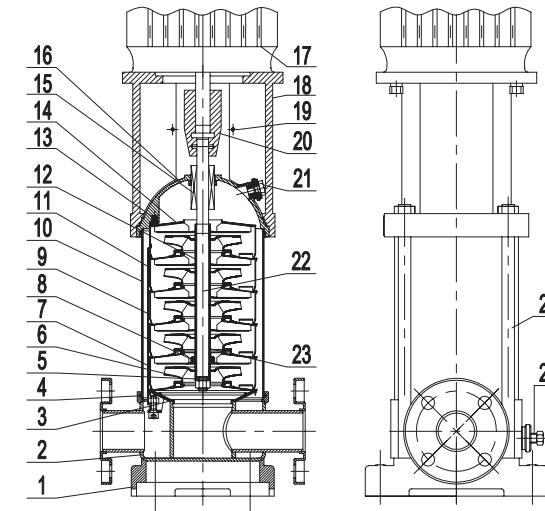
No.	Component	Material	AISI/ASTM
1	Base Plate	HT200	ASTM35B
2	Pump Base	SUS304	AISI304
3	Inlet Fluid Director	SUS304	AISI304
4	Lining	SUS304	AISI304
5	O-ring	FPM	
6	Bearing	YG 8	
7	Fluid Director With Bearings	SUS304	AISI304
8	Impeller	SUS304	AISI304
9	Fluid Director	SUS304	AISI304
10	Outer Cylinder	SUS304	AISI304
11	Long Round Sleeve	SUS304	AISI304
12	Pump Shaft	SUS304	AISI304
13	Outlet Fluid Director	SUS304	AISI304
14	Wave Spring	SUS304	AISI304
15	Ball-Shaped Lining	SUS304	AISI304
16	Mechanical Seal	YG6, FPM	
17	Motor Base	HT200	ASTM35B
18	Coupling	F0212J	
19	Short Round Sleeve	SUS304	AISI304
20	Air Valve	SUS304	AISI304
21	Motor	Standard Motor	
22	Adjustable Bolt	SUS304	AISI304
23	Pull-rod	Steel 45#	
24	Protection Blade	SUS304	AISI304

BLT2 BLT4



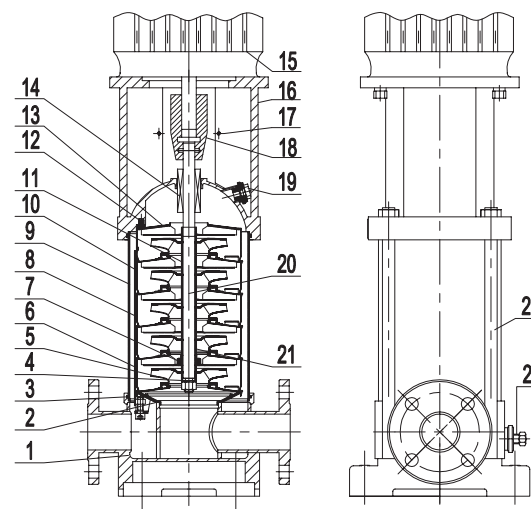
No.	Component	Material	AISI/ASTM
1	Pump Base	HT200	ASTM35B
2	Inlet Fluid Director	SUS304	AISI304
3	Lining	SUS304	AISI304
4	O-ring	FPM	
5	Bearing	YG8	
6	Fluid Director With Bearings	SUS304	AISI304
7	Impeller	SUS304	AISI304
8	Fluid Director	SUS304	AISI304
9	Outer Cylinder	SUS304	AISI304
10	Long Round Sleeve	SUS304	AISI304
11	Pump Shaft	SUS304	AISI304
12	Outlet Fluid Director	SUS304	AISI304
13	Wave Spring	SUS304	AISI304
14	Mechanical Seal	YG6, FPM	
15	Motor Base	HT200	ASTM35B
16	Coupling	F0212J	
17	Short Round Sleeve	SUS304	AISI304
18	Air Valve	SUS304	AISI304
19	Motor	Standard Motor	
20	Adjustable Bolt	SUS304	AISI304
21	Pull-rod	Steel 45#	
22	Protection Blade	SUS304	AISI304

BL8 BL12 BL16 BL20



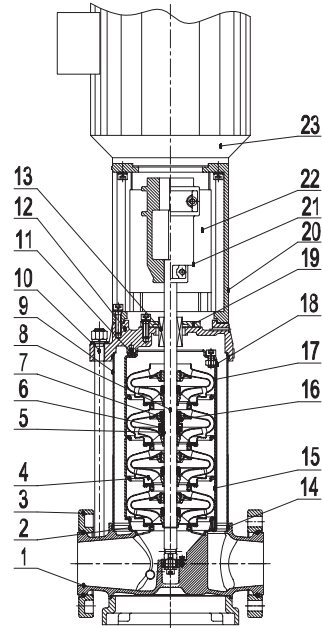
No.	Component	Material	AISI/ASTM
1	Base Plate	HT200	ASTM35B
2	Pump Base	SUS304	AISI304
3	Inlet Fluid Director	SUS304	AISI304
4	O-ring	FPM	
5	Lining	SUS304	AISI304
6	Impeller	SUS304	
7	Fluid Director With Bearings	SUS304	AISI304
8	Bearing	YG8	
9	Fluid Director	SUS304	AISI304
10	Outer Cylinder	SUS304	AISI304
11	Pull-rod	SUS304	AISI304
12	Long Round Sleeve	SUS304	AISI304
13	Compress Nail	FPM	
14	Outlet Fluid Director	SUS304	AISI304
15	Mechanical Seal	YG6, FPM	
16	Ball-shaped Lining	SUS304	AISI304
17	Motor	Standard Motor	
18	Motor Base	HT200	ASTM35B
19	Protection Blade	SUS304	AISI304
20	Coupling	F0212J/QT500	
21	Air Valve	SUS304	AISI304
22	Pump Shaft	SUS304	AISI304
23	Short Round Sleeve	SUS304	AISI304
24	Pull-rod	Steel 45#	
25	Adjustable Bolt	SUS304	AISI304

BLT8 BLT12 BLT16 BLT20



No.	Component	Material	AISI/ASTM
1	Pump Base	HT200	ASTM35B
2	Inlet Fluid Director	SUS304	AISI304
3	O-ring	FPM	
4	Lining	SUS304	AISI304
5	Impeller	SUS304	AISI304
6	Fluid Director With Bearings	SUS304	AISI304
7	Bearing	YG8	
8	Fluid Director	SUS304	AISI304
9	Outer Cylinder	SUS304	AISI304
10	Pull-rod	SUS304	AISI304
11	Long Round Sleeve	SUS304	AISI304
12	Compress Nail	FPM	
13	Outlet Fluid Director	SUS304	AISI304
14	Mechanical Seal	YG6, FPM	
15	Motor	Standard Motor	
16	Motor Base	HT200	ASTM35B
17	Protection Blade	SUS304	AISI304
18	Coupling	F0212J/QT500	
19	Air Valve	SUS304	AISI304
20	Pump Shaft	SUS304	AISI304
21	Short Round Sleeve	SUS304	AISI304
22	Adjustable Bolt	SUS304	AISI304
23	Pull-rod	Steel 45#	

BL(T)32-90



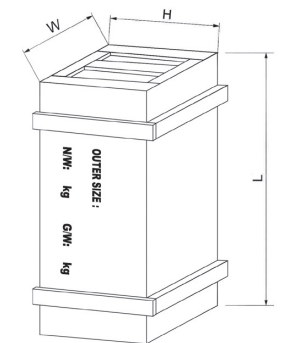
No.	Component	Material	AISI/ASTM
1	Pump Base	SUS304/HT250	SUS304/ASTM40B
2	Inlet Fluid Director	SUS304	AISI304
3	Movable Flange	SUS304	AISI304
4	Impeller	SUS304	AISI304
5	Rip Cone Sleeve	SUS304	AISI304
6	Nur Of Rip Cone Sleeve	SUS304	AISI304
7	Impeller/Bearing	YG8, SUS304	
8	Pump Shaft	SUS304	AISI304
9	Outer Cylinder	SUS304	AISI304
10	Pull-rod	Steel 45#	
11	Compress Nail	FPM	
12	Pump Head	SUS304/HT250	SUS304/ASTM40B
13	Mechanical Seal	YG6, FPM	
14	O-ring	FPM	
15	Fluid Director	SUS304	AISI304
16	Fluid Director With Bearings	SUS304	AISI304
17	Outlet Fluid Director	SUS304	AISI304
18	Draw Plate	SUS304	AISI304
19	Mechanical Seal Gland	SUS304	AISI304
20	Motor Base	HT250	ASTM40B
21	Coupling	QT500	
22	Protection Blade	SUS304	AISI304
23	Motor	Standard Motor	Standard Motor

Packing Sizes & Weight

BL(T)2				BL(T)4				BL(T)8			
Model	Dim.(mm) (LxWxH)	G.W.(kg)		Model	Dim.(mm) (LxWxH)	G.W.(kg)		Model	Dim.(mm) (LxWxH)	G.W.(kg)	
		BL	BLT			BL	BLT			BL	BLT
BL(T)2-2	595x285x360	27	31	BL(T)4-2	595x285x360	28	33	BL(T)8-2	795x325x400	43	50
BL(T)2-3		27	31	BL(T)4-3		625x285x360	30	35		BL(T)8-3	45
BL(T)2-4	625x285x360	29	33	BL(T)4-4	725x285x375	34	39	BL(T)8-4	865x325x400	50	57
BL(T)2-5		30	34	BL(T)4-5		785x285x375	36	41		BL(T)8-5	54
BL(T)2-6	725x285x375	33	38	BL(T)4-6	845x285x385	37	42	BL(T)8-6	1005x325x405	55	62
BL(T)2-7		34	38	BL(T)4-7		885x285x385	40	46		BL(T)8-8	65
BL(T)2-9	785x285x375	37	41	BL(T)4-8	935x285x385	41	47	BL(T)8-10	1115x350x440	76	82
BL(T)2-11		38	42	BL(T)4-10		1045x290x385	45	51		BL(T)8-11	77
BL(T)2-13	845x285x385	41	46	BL(T)4-12	1135x290x385	47	52	BL(T)8-12	1265x400x490	96	103
BL(T)2-15		43	47	BL(T)4-14		1205x315x390	55	60		BL(T)8-14	98
BL(T)2-18	935x285x385	47	51	BL(T)4-16	1285x315x390	57	62	BL(T)8-16	1415x400x490	101	109
BL(T)2-22		49	54	BL(T)4-19		1285x315x390	66	71		BL(T)8-18	108
BL(T)2-26	1135x290x385	58	62	BL(T)4-22		68	74	BL(T)8-20	111	118	

BL(T)12				BL(T)16				BL(T)20			
Model	Dim.(mm) (LxWxH)	G.W(kg)		Model	Dim.(mm) (LxWxH)	G.W(kg)		Model	Dim.(mm) (LxWxH)	G.W(kg)	
		BL	BLT			BL	BLT			BL	BLT
BL(T)12-2	775x325x340	47	56	BL(T)16-2	795x325x400	51	60	BL(T)20-2	795x325x400	53	60
BL(T)12-3		51	60	BL(T)16-3		915x325x415	60	69		BL(T)20-3	945x325x415
BL(T)12-4	885x325x415	59	68	BL(T)16-4	945x325x415	69	78	BL(T)20-4	1115x400x490	88	96
BL(T)12-5		60	69	BL(T)16-5		1115x400x490	90	99		BL(T)20-5	91
BL(T)12-6	945x325x415	69	78	BL(T)16-6	1175x400x490	92	101	BL(T)20-6	1175x400x490	95	105
BL(T)12-7		90	100	BL(T)16-7		1210x400x490	96	107		BL(T)20-7	1210x400x490
BL(T)12-8	1175x400x490	92	101	BL(T)16-8	1265x400x490	98	109	BL(T)20-8	1335x520x560	174	183
BL(T)12-9		93	102	BL(T)16-10		1425x520x560	178	187		BL(T)20-10	1425x520x560
BL(T)12-10	1265x400x490	99	108	BL(T)16-12	1515x520x560	182	191	BL(T)20-12	1515x520x560	194	202
BL(T)12-11		101	110	BL(T)16-14		1605x520x560	197	204		BL(T)20-14	1605x520x560
BL(T)12-12	1425x520x560	178	187	BL(T)16-16	1695x520x560	200	208	BL(T)20-17	1805x520x560	221	231
BL(T)12-14		1515x520x560	181	190		-	-	-		-	-
BL(T)12-18	1605x520x560	184	193	-	-	-	-	-	-	-	

BL(T)32				BL(T)45				BL(T)64			
Model	Dim.(mm) (LxWxH)	G.W(kg)		Model	Dim.(mm) (LxWxH)	G.W(kg)		Model	Dim.(mm) (LxWxH)	G.W(kg)	
		BL	BLT			BL	BLT			BL	BLT
BL(T)32-2	1085x425x512	90	91	BL(T)45-2	1245x465x532	137	145	BL(T)64-2	1515x515x562	161	171
BL(T)32-3		97	98	BL(T)45-3		141	149	BL(T)64-2-1		225	232
BL(T)32-3-2	1285x425x512	116	117	BL(T)45-3-2	1515x515x562	223	230	BL(T)64-3-2	1465x595x662	243	251
BL(T)32-3-3		122	123	BL(T)45-3		237	244	BL(T)64-3-1		260	268
BL(T)32-4-2	1565x485x622	204	208	BL(T)45-4-2	1735x545x612	307	314	BL(T)64-4-2	1565x595x662	264	272
BL(T)32-5		208	212	BL(T)45-4		237	244	BL(T)64-4-1		307	315
BL(T)32-6-2	1715x485x562	222	226	BL(T)45-5-2	2015x595x662	395	403	BL(T)64-5-2	1815x645x662	387	394
BL(T)32-7		230	233	BL(T)45-5		258	266	BL(T)64-5-1		393	401
BL(T)32-8-2	1895x485x562	251	254	BL(T)45-6-2	2165x595x662	436	443	BL(T)64-6-2	2065x695x712	415	423
BL(T)32-9		255	258	BL(T)45-6		307	314	BL(T)64-6-1		430	438
BL(T)32-10-2	2085x545x612	305	307	BL(T)45-7-2	2365x645x712	501	508	BL(T)64-7-2	1815x645x662	489	497
BL(T)32-11		309	310	BL(T)45-7		395	403	BL(T)64-7-1		494	501
BL(T)32-12-2	2215x595x662	390	391	BL(T)45-8-2	2425x645x712	509	517	BL(T)64-8-2	1965x695x712	483	491
BL(T)32-13		394	394	BL(T)45-8		398	405	BL(T)64-8-1			
BL(T)32-14-2	2365x595x662	398	398	BL(T)45-9-2	2365x645x712	501	508	BL(T)90-2-2	1515x515x562	229	243
BL(T)32-15		398	398	BL(T)45-9		402	410	BL(T)90-2		240	247
BL(T)32-15-2	2365x595x662	398	398	BL(T)45-10-2	2365x645x712	501	508	BL(T)90-3-2	1565x565x612	262	270
BL(T)32-15		398	398	BL(T)45-10		436	443	BL(T)90-3		304	312
BL(T)32-15-2	2365x595x662	398	398	BL(T)45-11-2	2365x645x712	501	508	BL(T)90-4-2	1815x645x662	376	384
BL(T)32-15		398	398	BL(T)45-11		501	508	BL(T)90-4		420	427
BL(T)32-15-2	2365x595x662	398	398	BL(T)45-12-2	2365x645x712	501	508	BL(T)90-5-2	1815x645x662	376	384
BL(T)32-15		398	398	BL(T)45-12		505	513	BL(T)90-5		420	427
BL(T)32-15-2	2365x595x662	398	398	BL(T)45-13-2	2425x645x712	509	517	BL(T)90-6-2	1965x695x712	483	491
BL(T)32-15		398	398	BL(T)45-13		509	517	BL(T)90-6		483	491



Horizontal Multi-Stage Centrifugal Pumps

CATALOGUE FOR 50Hz



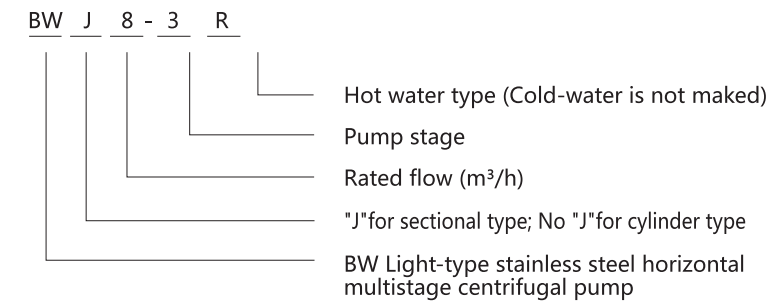
BW



BWJ



Model Instruction



Overview Of The Product

BW, BWJ 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.

Application Limits

- ◉ Temperature range of medium: Normal type 0 ~ +68°C , hot water type 0 ~ +120°C
- ◉ Maximum ambient temperature: +40 °C
- ◉ Maximum working pressure: 10 bar
- ◉ When the density or viscosity of the transmission medium exceeds that of water, it is necessary to select a drving motor of high-power.
- ◉ pH: 6.5 to 8.5

Applications Fields

- ◉ Air conditioner system
- ◉ Industrial cleansing
- ◉ Water processing(Water purification)
- ◉ Aquaculture
- ◉ Environmental application
- ◉ Fertilization/measuring system
- ◉ Cooling System
- ◉ Other special applications

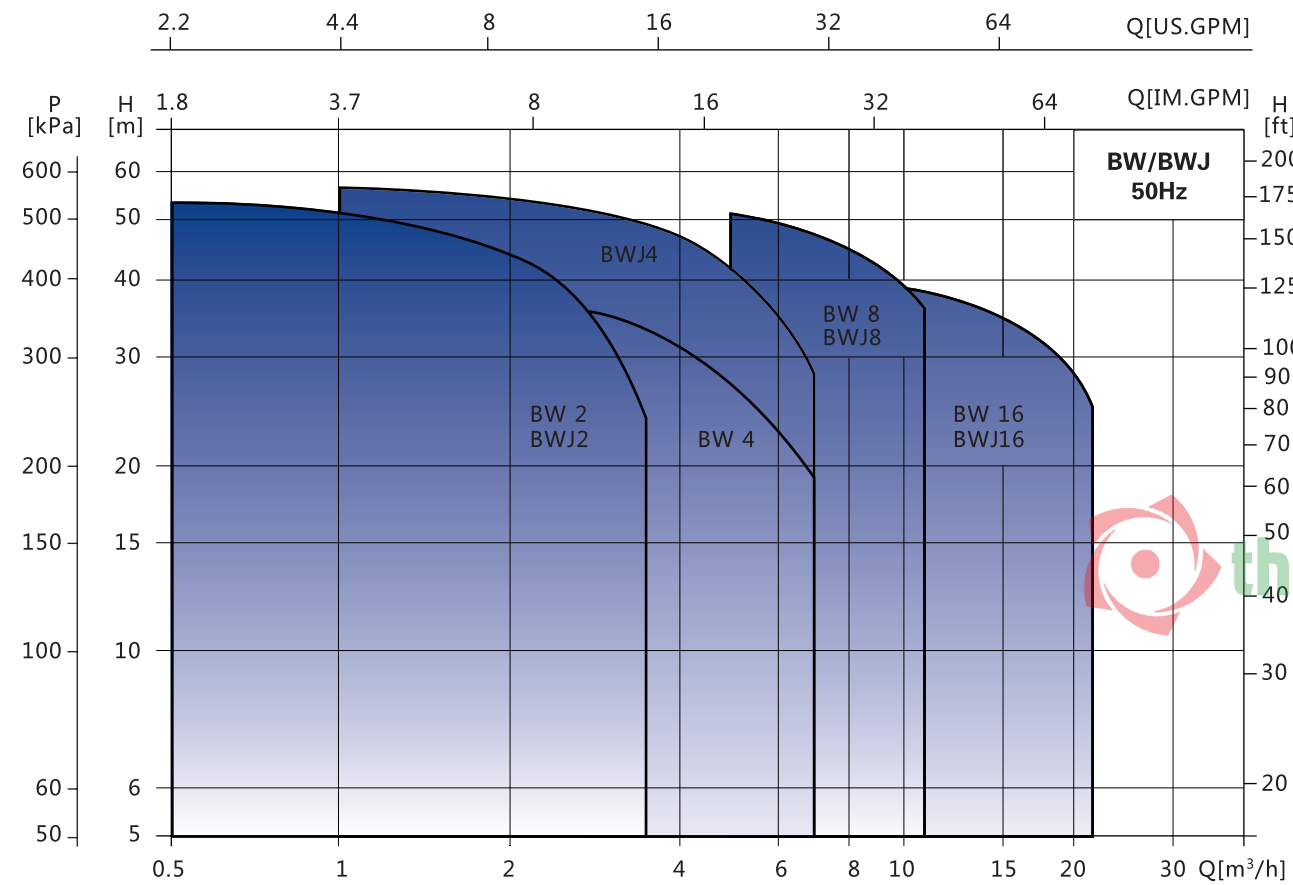
Certificate



Optional Available On Request

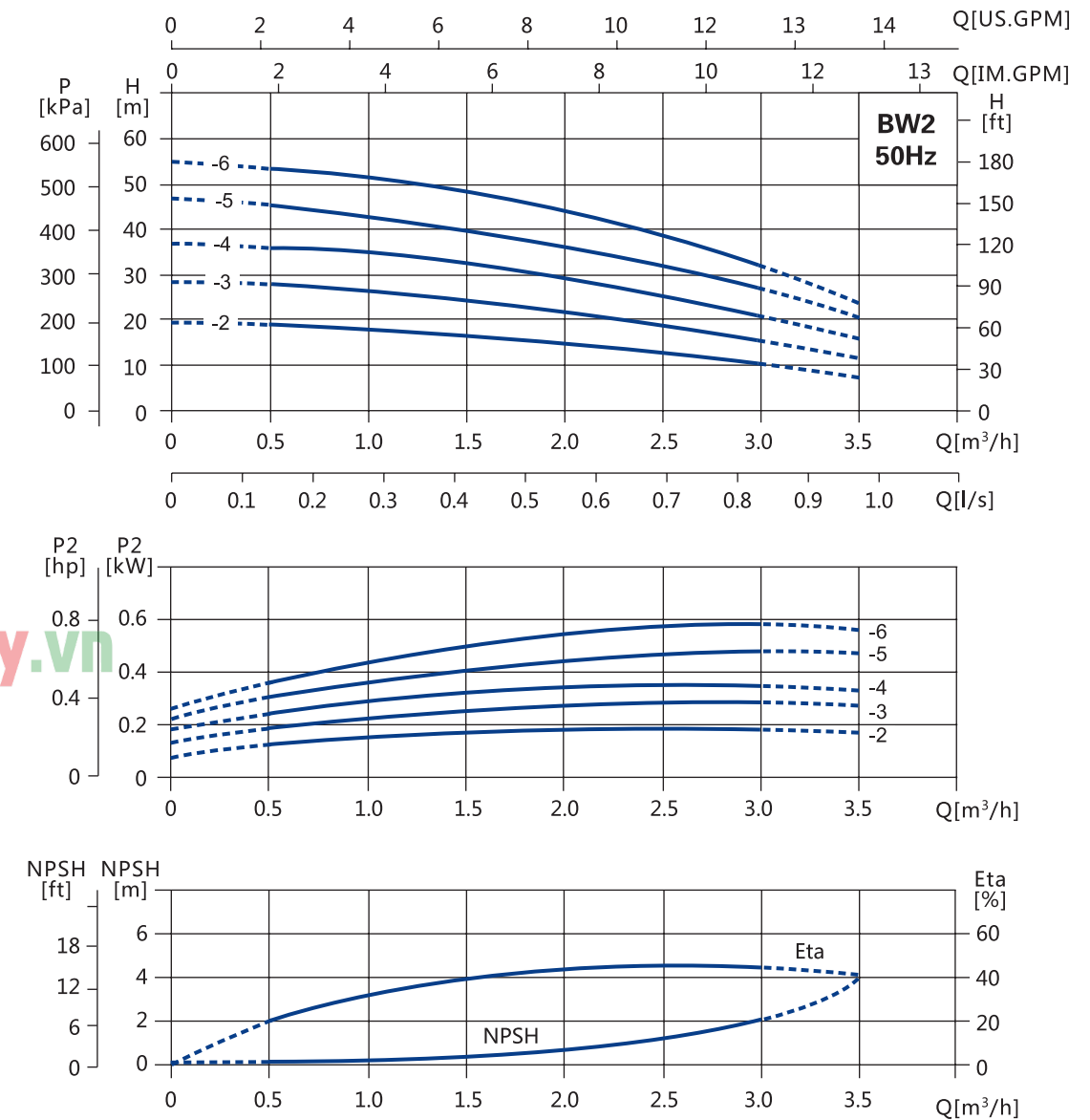
- ◉ Full-enclosed and ventilating two-pole standard motor
- ◉ Protection class: IP55
- ◉ Insulation class: F
- ◉ Standard voltage (50Hz): Single phase 220V
Three phase:380V or 220V

Performance Curve



Model	BW2/BWJ2	BW4/BWJ4	BW8	BW16	BWJ8	BWJ16
Rated Flow(m³/h)	2	4	8	16	8	16
Flow Range(m³/h)	0.5~3.5	1~7	5~11	8~22	5~11	8~22
Max.Pressure(bar)	5.5	4	5	4	5	4
Motor Power(kW)	0.37~0.75	0.37~1.1	0.75~2.2	2.2~3	0.75~2.2	2.2~3
Max.Efficiency(%)	45	59	64	70	64	70
Inlet	G1	G1 1/4	G2	G2	G1 1/2	G1 1/2
Outlet	G1	G1	G2	G2	G1 1/4	G1 1/4
Temperature Range	Standard Type 0~+68°C			Hot Water Type 0~+120°C		

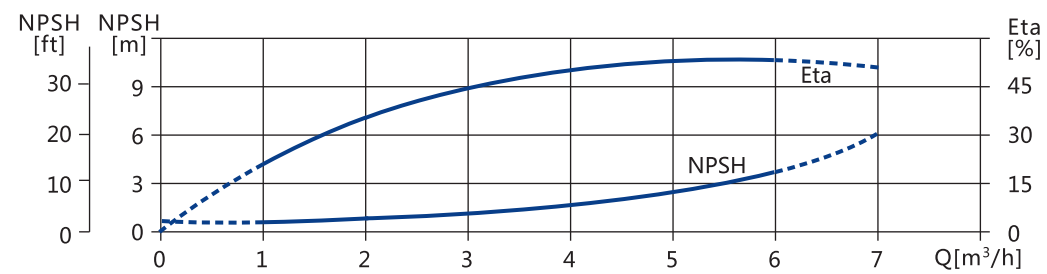
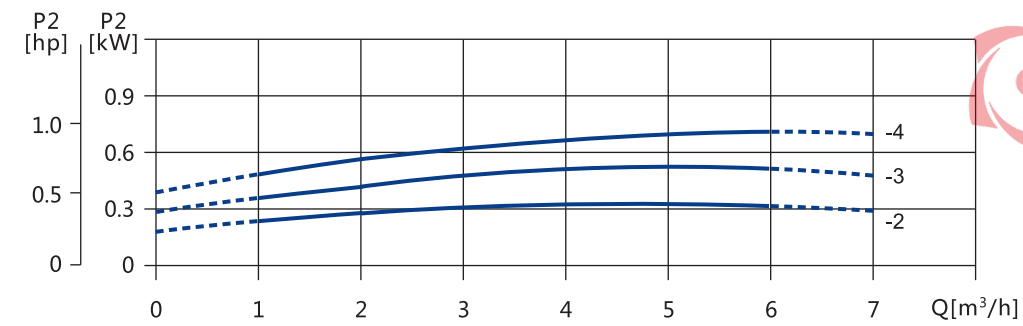
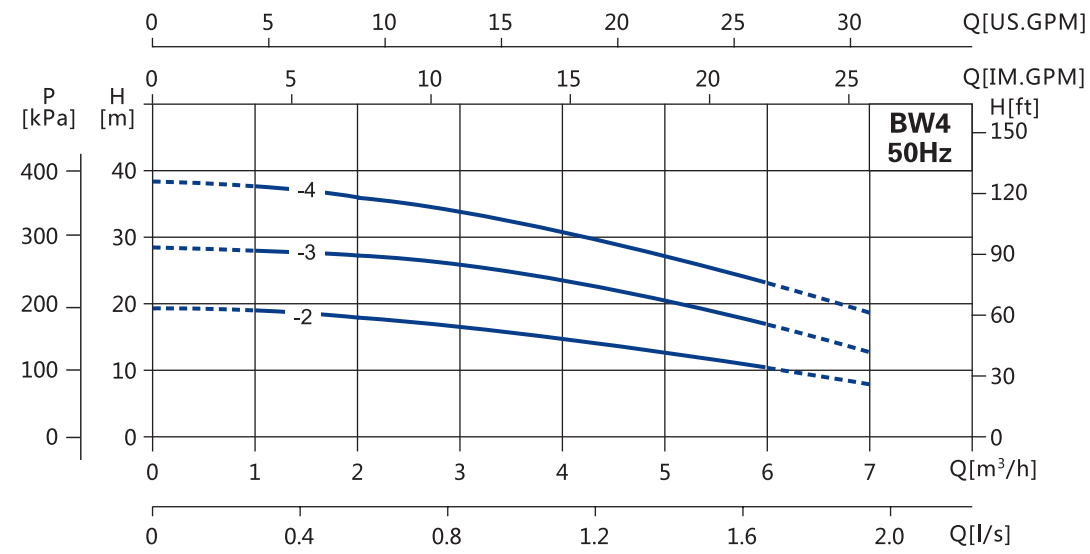
Performance Details-BW2



It is recommended to be used within lift range.

Model	Power		Q(m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	Head Range (m)
	kW	HP								
BW2-2	0.37	0.5	H (m)	19	18	16.5	15	13	10	10~19
BW2-3	0.37	0.5		28	26.5	24.5	22	19	15.5	15.5~28
BW2-4	0.55	0.75		36	34.5	33	29	25	20.5	20.5~36
BW2-5	0.55	0.75		45.5	43	40	36	31.5	26.5	26.5~45.5
BW2-6	0.75	1		53.5	51	48	44	39	32	32~53.5

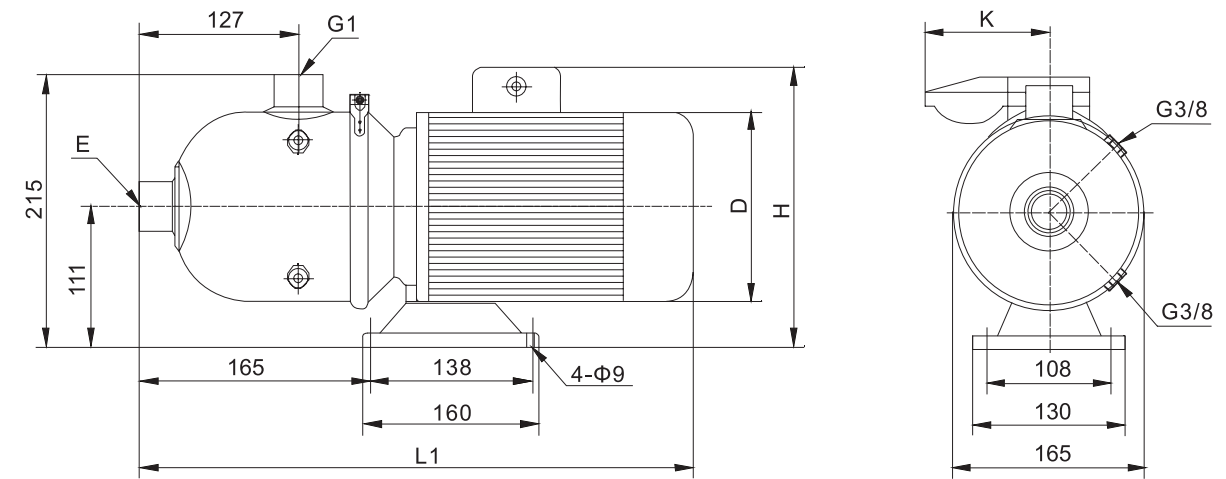
Performance Details-BW4



It is recommended to be used within lift range.

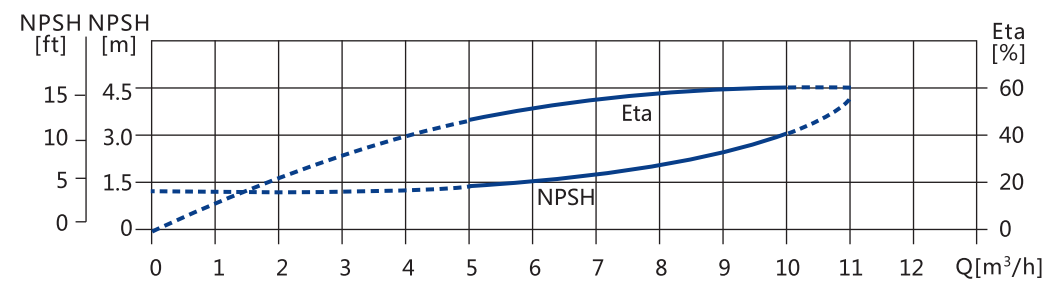
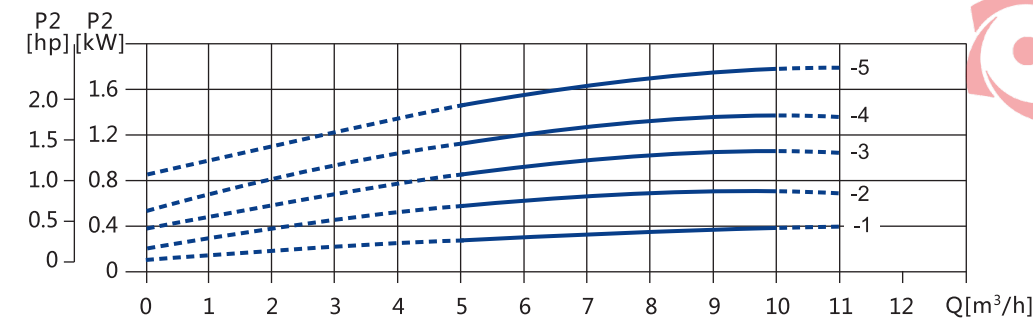
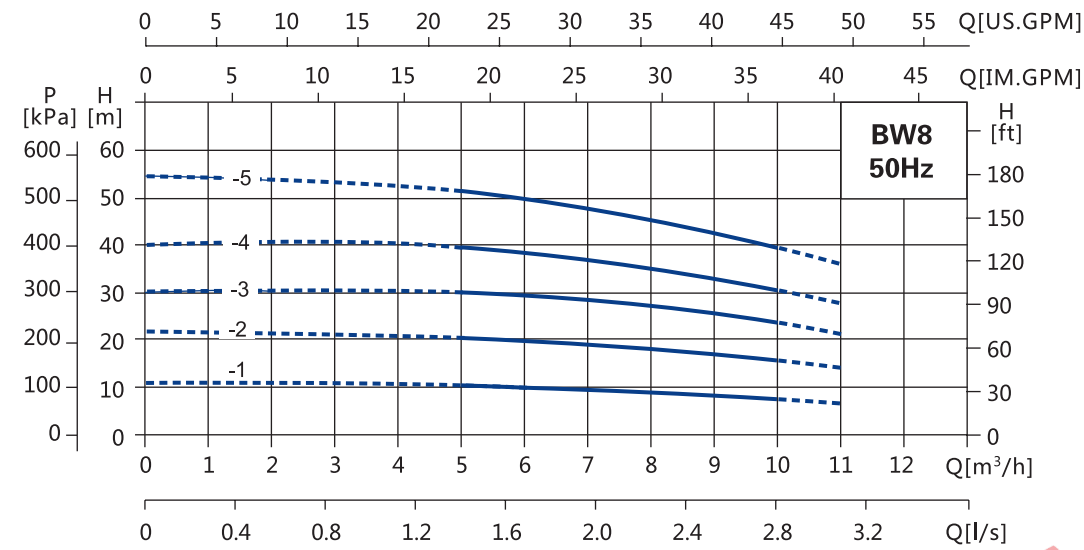
Model	Power		Q(m³/h)	1	2	3	4	5	6	Head Range (m)
	kW	HP								
BW4-2	0.37	0.5	H (m)	19	18	17	15	12.5	10	10~19
BW4-3	0.55	0.75		28	27	26	23.5	20.5	17	17~28
BW4-4	0.75	1		37.5	36	34	31	27	23	23~37.5

Dimensions & Weight



Model	Dim.(mm)					N.W.(kg)
	L1	D	H	E	K	
BW2-2	402	137	215/230	G1		9.3
BW2-3	402	137	215/230	G1		10.3
BW2-4	402	137	215/230	G1		11.3
BW2-5	402	137	215/230	G1		12.3
BW2-6	419	156	225/245	G1	/100	14.3
BW4-2	402	137	215/230	G1 1/4		10.3
BW4-3	402	137	215/230	G1 1/4		11.8
BW4-4	426	156	225/245	G1 1/4	/100	14.3

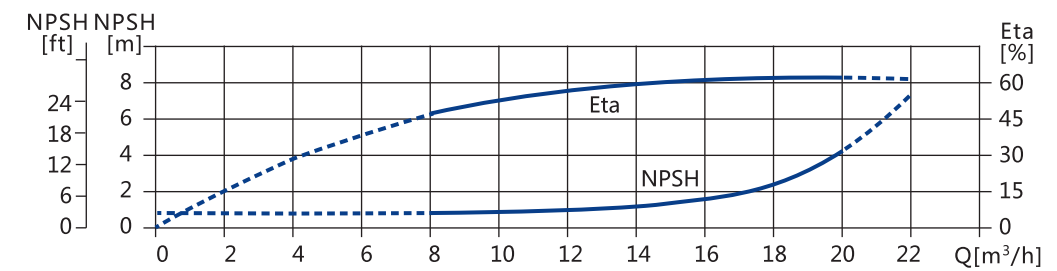
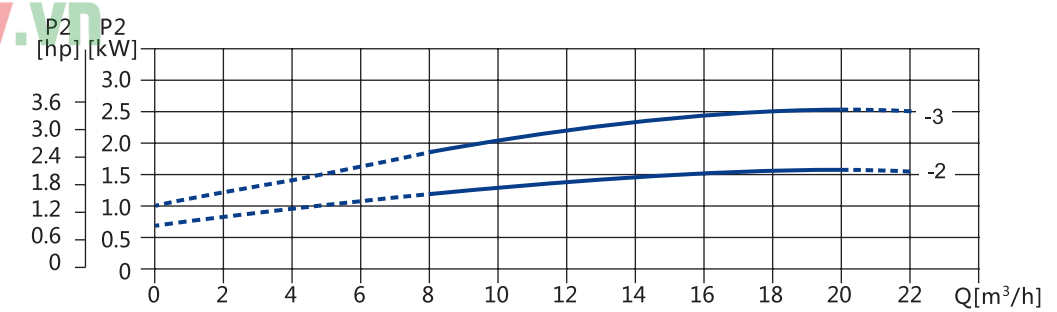
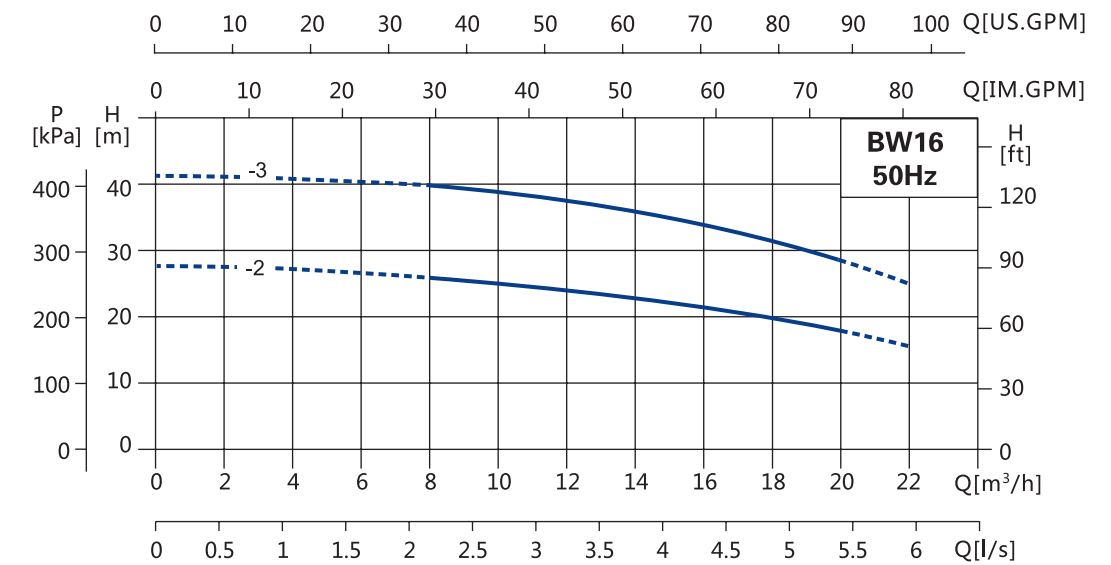
Performance Details-BW8



It is recommended to be used within lift range.

Model	Power		Q(m³/h)	5	6	7	8	9	10	Head Range (m)
	kW	HP								
BW8-2	0.75	1	H (m)	20	19.5	19	18	17	15.5	15.5~20
BW8-3	1.1	1.5		29.5	29	28	27	25	23	23~29.5
BW8-4	1.5	2		39	38	37	35	33	30.5	30.5~39
BW8-5	2.2	3		51	49.5	47.5	45	42.5	39.5	39.5~51

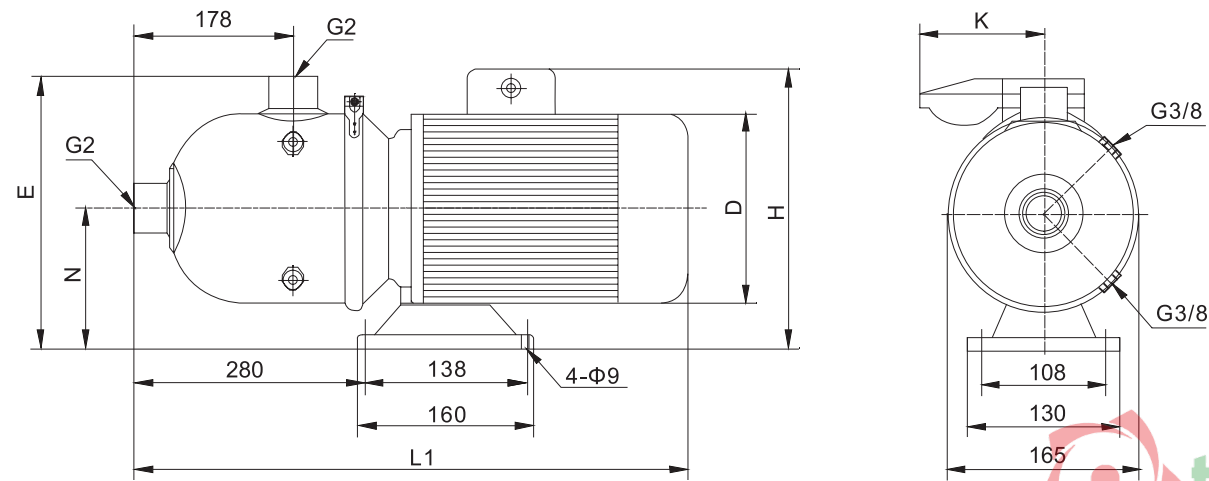
Performance Details-BW16



It is recommended to be used within lift range.

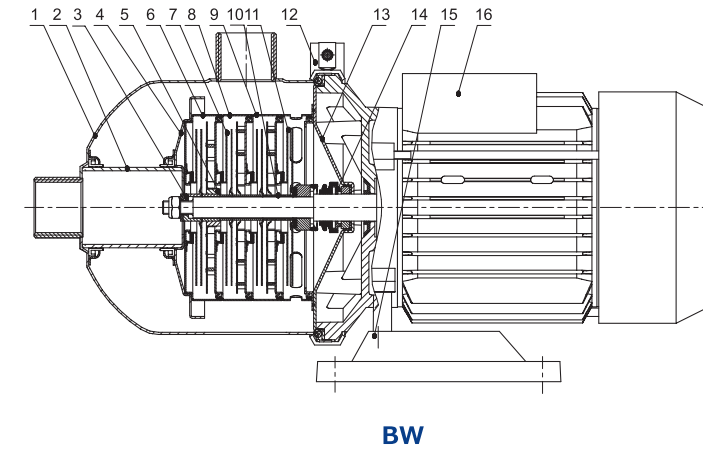
Model	Power		Q(m³/h)	8	10	12	14	16	18	20	Head Range (m)
	kW	HP									
BW16-2	2.2	3	H (m)	26	25	24	23	21.7	20	18	18~26
BW16-3	3	4		40	39	38	36	34	31.5	29	29~40

Dimensions & Weight



Model	Dim.(mm)						N.W.(kg)
	L1	E	N	D	H	K	
BW8-2	539	266	118	156	230/265	/100	13
BW8-3	539	266	118	156	230/265	/100	19
BW8-4	590	266	118	169	240/270	/100	23.5
BW8-5	590	266	118	169	240/270	/100	27
BW16-2	590	266	118	169	240/270	/100	26
BW16-3	627	278	130	194	270		33.3

Components & Materials

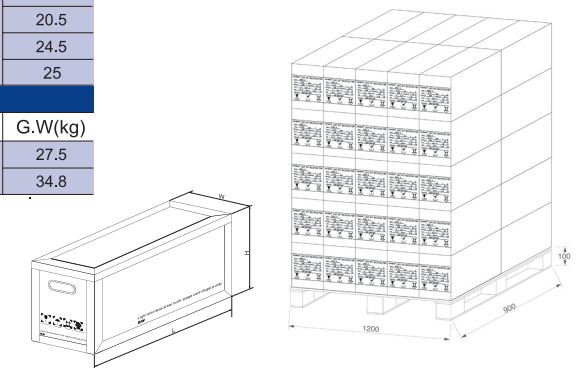


No.	Component	Material	AISI/ASTM
1	Pressure-resistant Component	SUS304	AISI304
2	Adapting Pipe	SUS304	AISI304
3	Lining	SUS304	AISI304
4	Platen Component	SUS304	AISI304
5	Bearing	YG 8	
6	Inlet Fluid Director	SUS304	AISI304
7	Impeller	SUS304	AISI304
8	Fluid Director With Bearings	SUS304	AISI304
9	Fluid Director	SUS304	AISI304
10	Round Bush	SUS304	AISI304
11	Outlet Fluid Director	SUS304	AISI304
12	Hooping Component	SUS304	AISI304
13	Front Cover Component	SUS304	AISI304
14	Mechanical Seal	Sic FPM	
15	Base	Q235A	AISI1015
16	Motor	Horizontal Motor(Lengthening Shaft)	

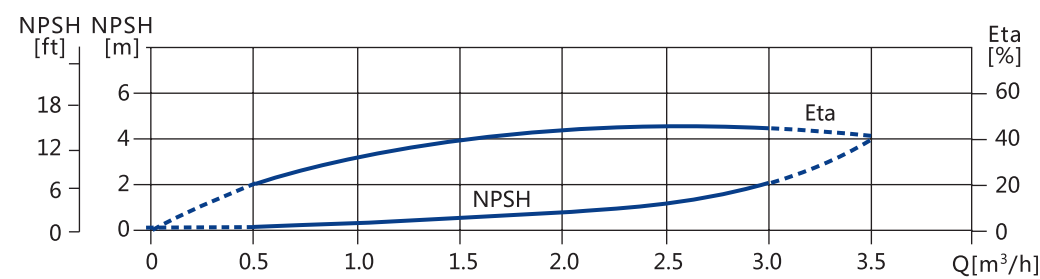
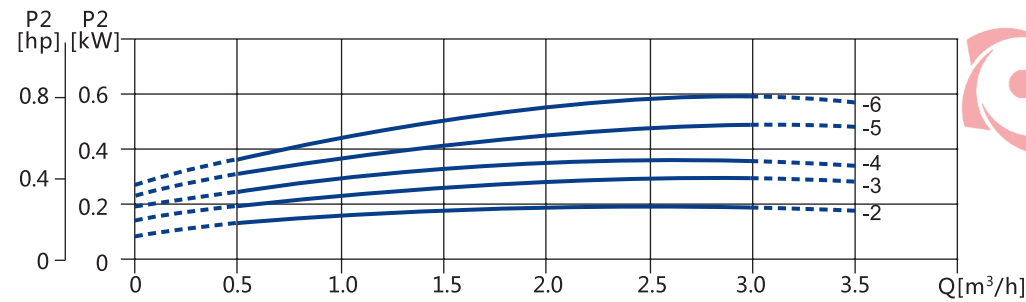
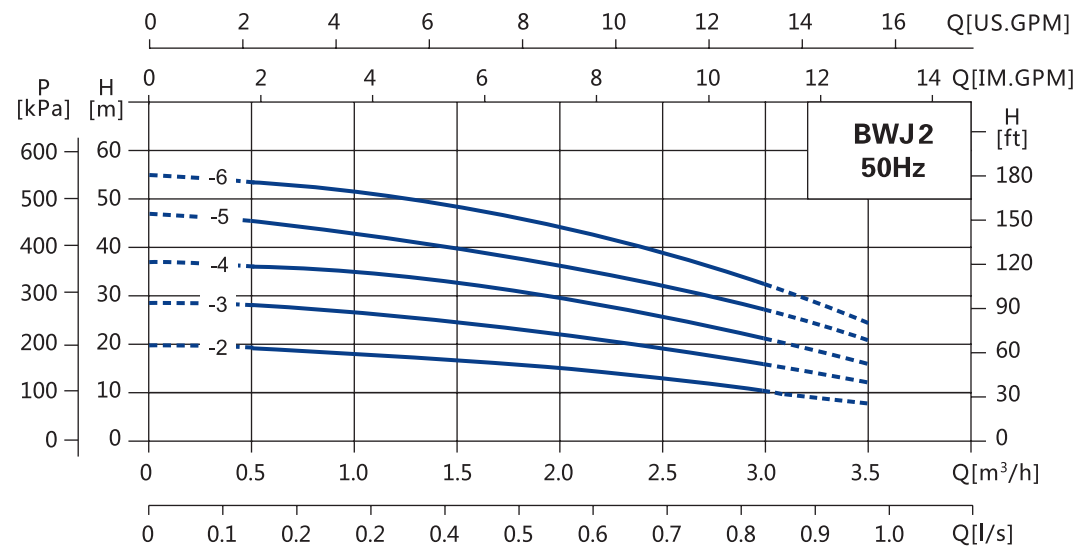
Packing Sizes & Weight

BW2		
Model	Dim.(mm) (LxWxH)	G.W(kg)
BW2-2	450×240×330	10.5
BW2-3		11.5
BW2-4		12.5
BW2-5		13.5
BW2-6		15.5
BW4		
Model	Dim.(mm) (LxWxH)	G.W(kg)
BW4-2	450×240×330	11.5
BW4-3		13
BW4-4		13.5

BW8		
Model	Dim.(mm) (LxWxH)	G.W(kg)
BW8-2	630×300×350	14.5
BW8-3		20.5
BW8-4		24.5
BW8-5		25
BW16		
Model	Dim.(mm) (LxWxH)	G.W(kg)
BW16-2	630×300×350	27.5
BW16-3		34.8



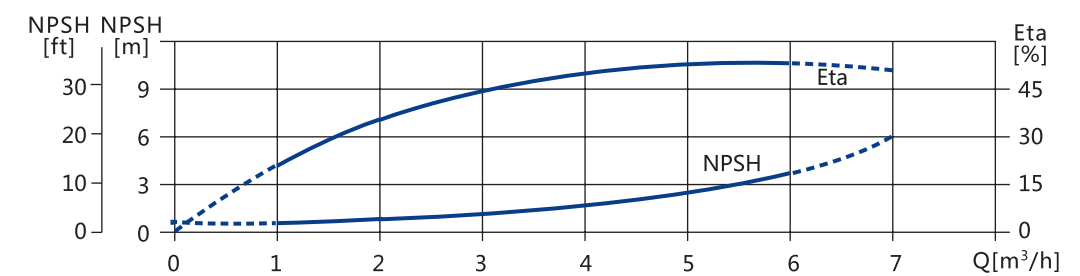
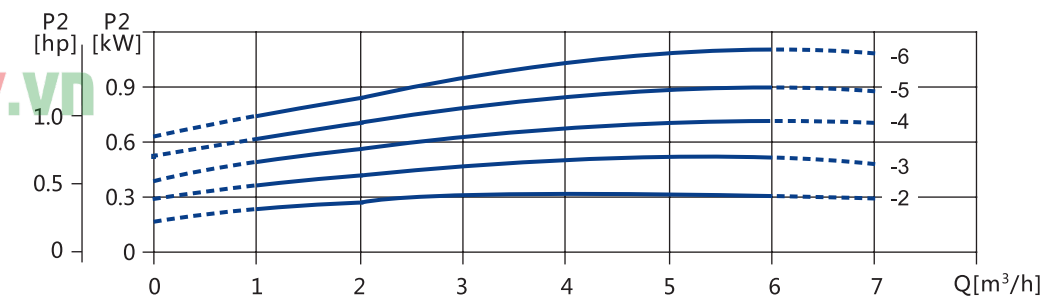
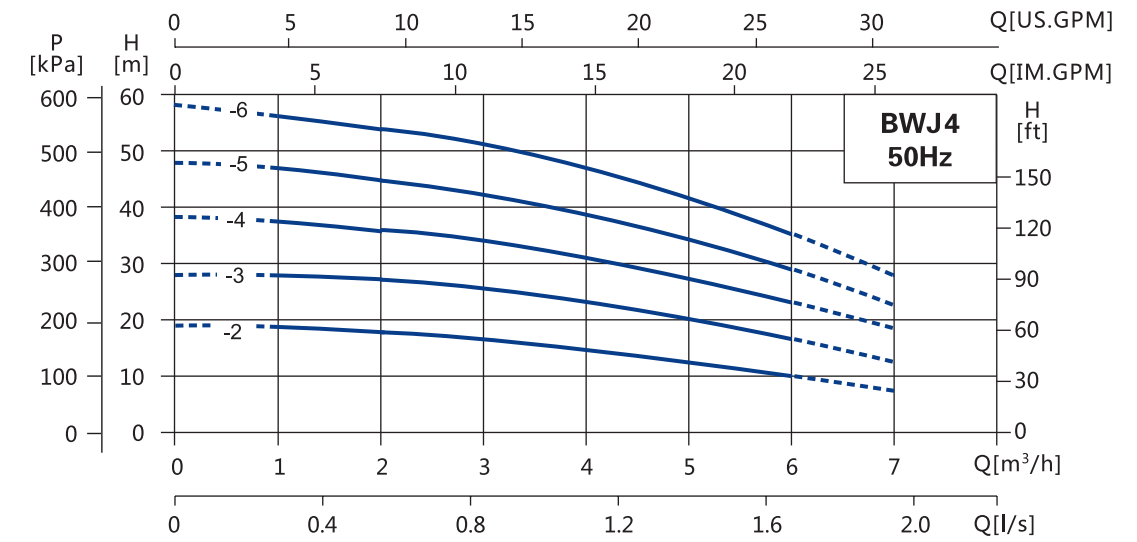
Performance Details-BWJ2



It is recommended to be used within lift range.

Model	Power		Q(m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	Head Range (m)
	kW	HP								
BWJ2-2	0.37	0.5	H (m)	19	18	16.5	15	13	10	10~19
BWJ2-3	0.37	0.5		28	26.5	24.5	22	19	15.5	15.5~28
BWJ2-4	0.55	0.75		36	34.5	33	29	25	20.5	20.5~36
BWJ2-5	0.55	0.75		45.5	43	40	36	31.5	26.5	26.5~45.5
BWJ2-6	0.75	1		53.5	51	48	44	39	32	32~53.5

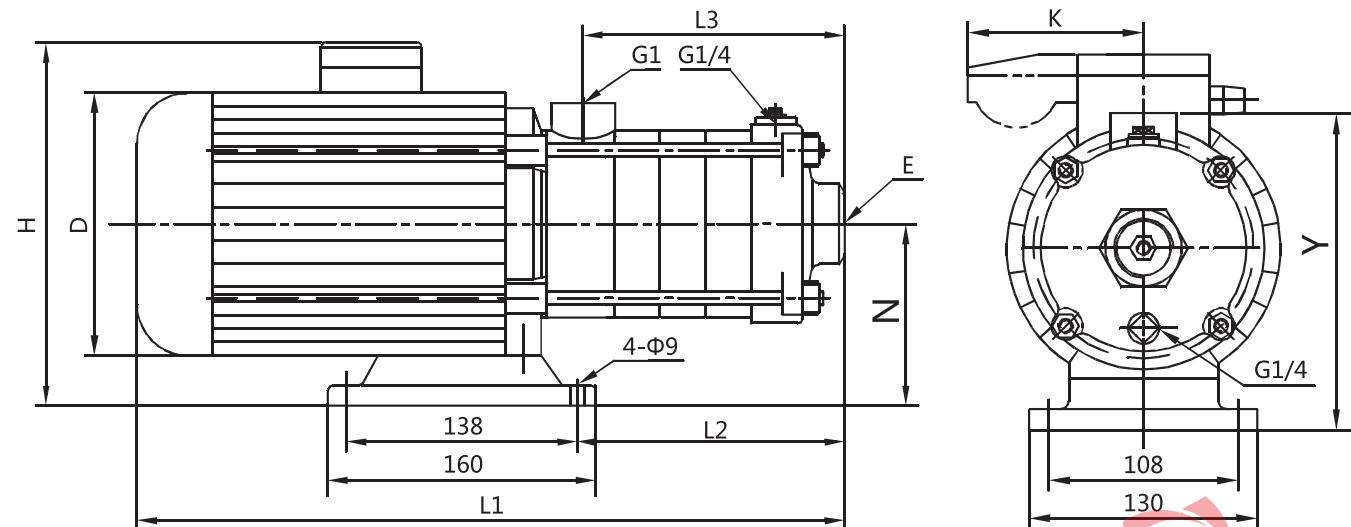
Performance Details-BWJ4



It is recommended to be used within lift range.

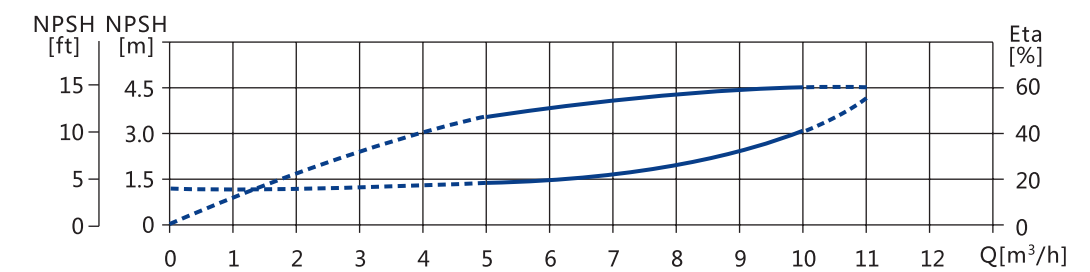
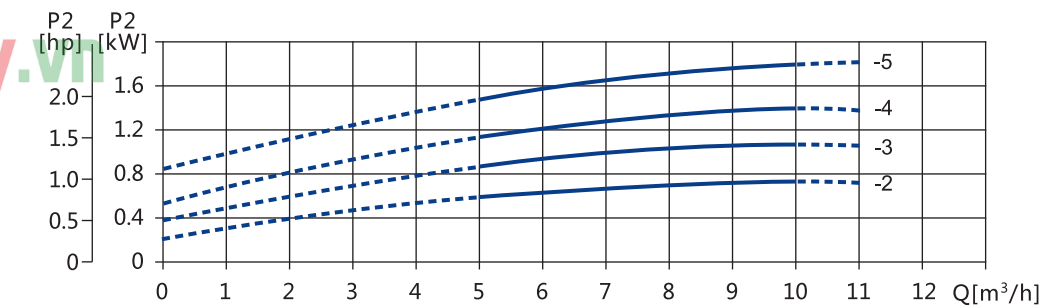
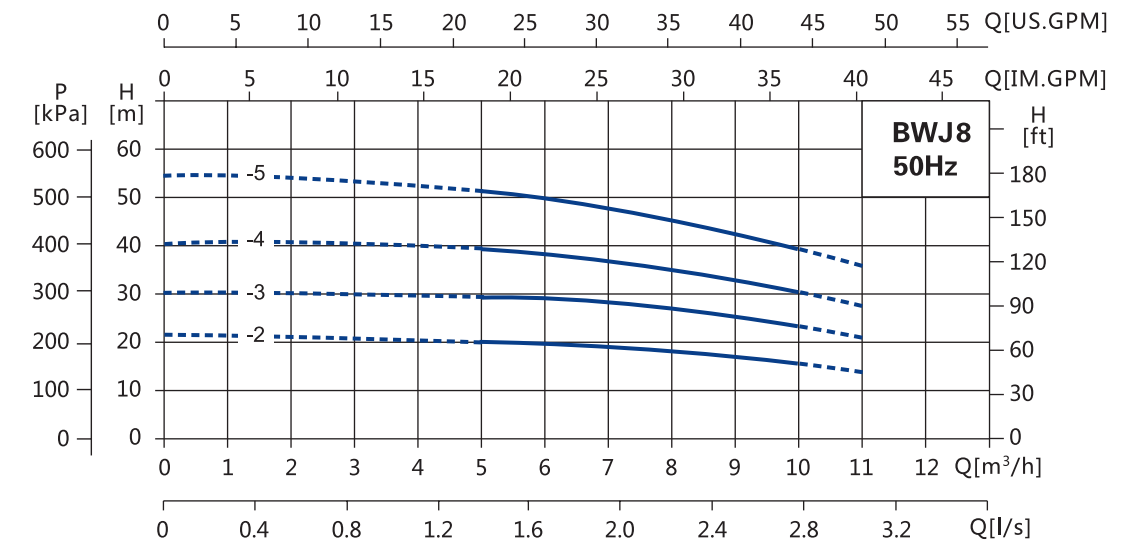
Model	Power		Q(m³/h)	1	2	3	4	5	6	Head Range (m)
	kW	HP								
BWJ4-2	0.37	0.5	H (m)	19	18	17	15	12.5	10	10~19
BWJ4-3	0.55	0.75		28	27	26	23.5	20.5	17	17~28
BWJ4-4	0.75	1		37.5	36	34	31	27	23	23~37.5
BWJ4-5	1.1	1.5		47	45	42.5	39	34	29	29~47
BWJ4-6	1.1	1.5		56	54	51	47	41.5	35.5	35.5~56

Dimensions & Weight



Model	Dim.(mm)									N.W.(kg)
	L1	L2	L3	D	E	N	Y	H	K	
BWJ2-2	317	77	88	137	G1	100	172	215/230		9.3
BWJ2-3	335	95	105	137	G1	100	172	215/230		9.8
BWJ2-4	353	113	124	137	G1	100	172	215/230		10.6
BWJ2-5	371	131	142	137	G1	100	172	215/230		11
BWJ2-6	414	151	160	156	G1	111	180	225/245	/100	15.6
BWJ4-2	335	95	105	137	G1 ^{1/4}	100	172	215/230		9.8
BWJ4-3	362	122	133	137	G1 ^{1/4}	100	172	215/230		10.8
BWJ4-4	413	151	160	156	G1 ^{1/4}	111	180	225/245	/100	14.3
BWJ4-5	440	178	187	156	G1 ^{1/4}	111	180	225/245	/100	17.6
BWJ4-6	467	232	214	156	G1 ^{1/4}	111	180	225/245	/100	18.3

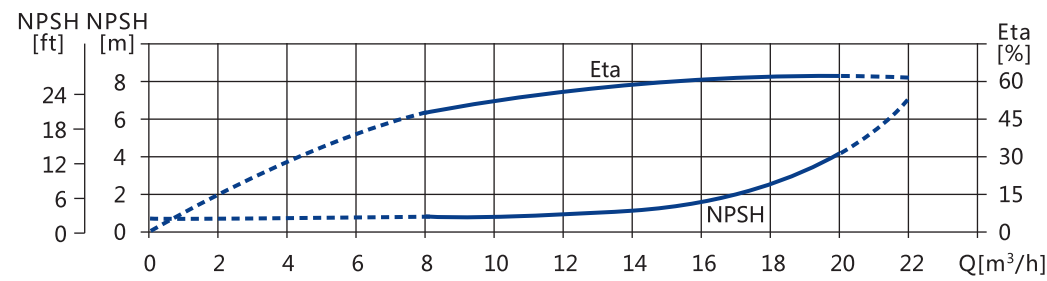
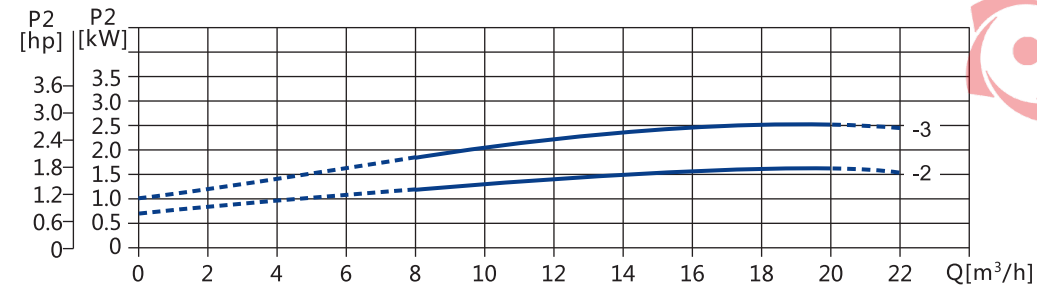
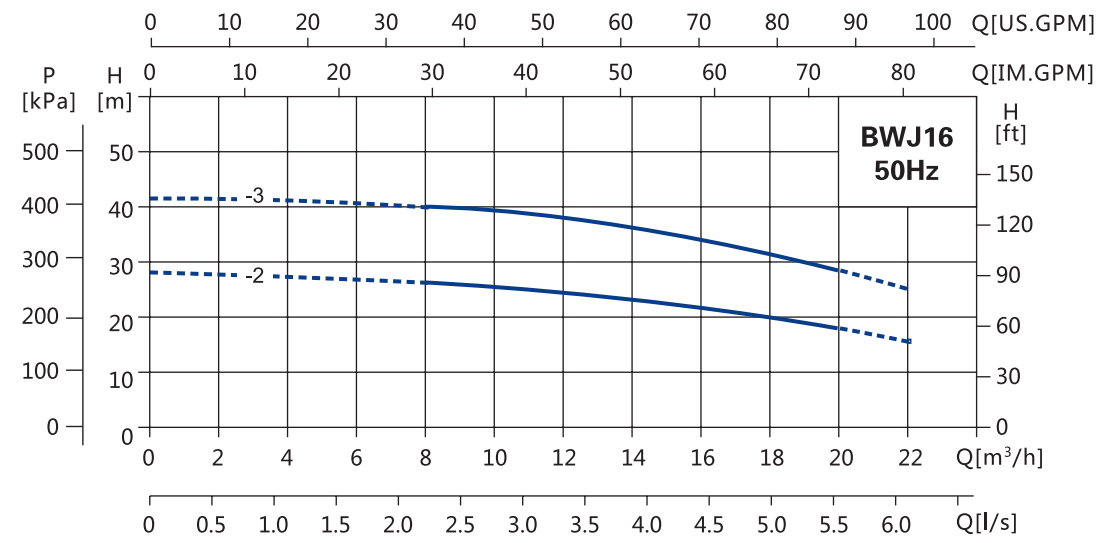
Performance Details-BWJ8



It is recommended to be used within lift range.

Model	Power		Q(m³/h)	5	6	7	8	9	10	Head Range (m)
	kW	HP								
BWJ8-2	0.75	1	H (m)	20	19.5	19	18	17	15.5	15.5~20
BWJ8-3	1.1	1.5		29.5	29	28	27	25	23	23~29.5
BWJ8-4	1.5	2		39	38	37	35	33	30.5	30.5~39
BWJ8-5	2.2	3		51	49.5	47.5	45	42.5	39.5	39.5~51

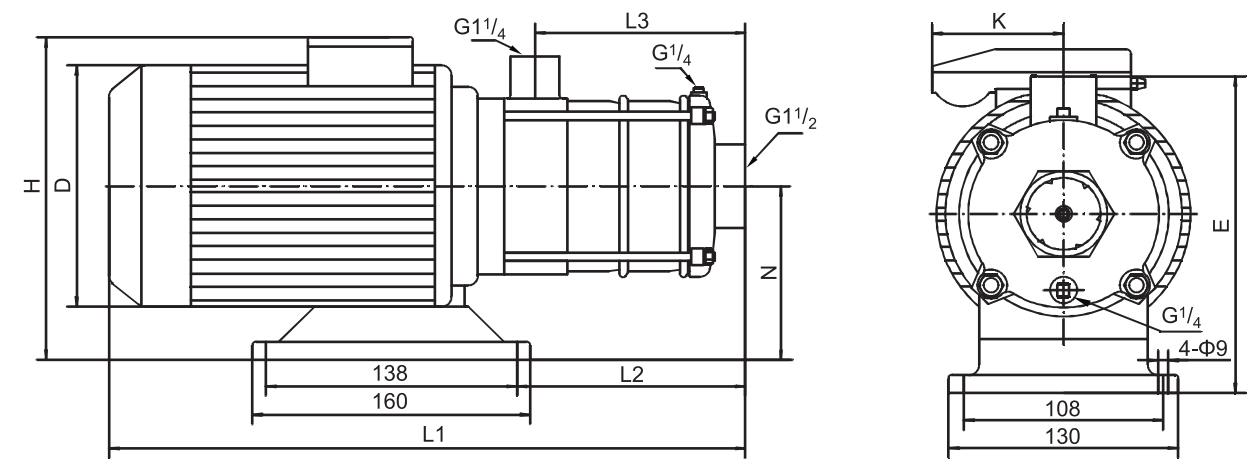
Performance Details-BWJ16



It is recommended to be used within lift range.

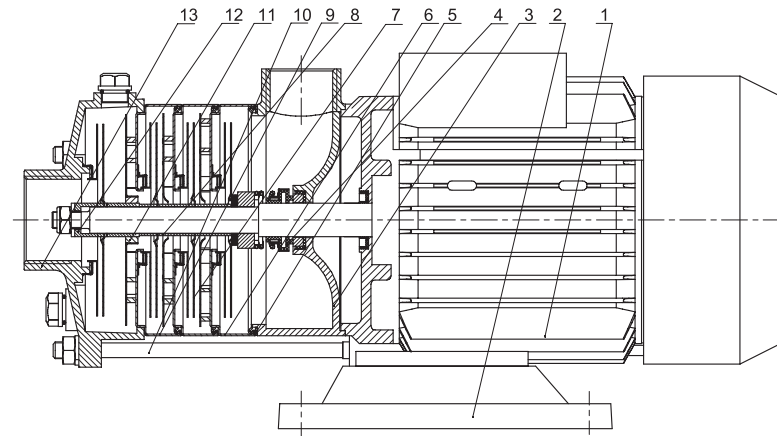
Model	Power		Q(m³/h)	8	10	12	14	16	18	20	Head Range (m)
	kW	HP									
BWJ16-2	2.2	3	H (m)	26	25	24	23	21.7	20	18	18-26
BWJ16-3	3	4		40	39	38	36	34	31.5	29	29-40

Dimensions & Weight



Model	Dim.(mm)								N.W.(kg)
	L1	L2	L3	H	D	E	N	K	
BWJ8-2	376	111	107	230/265	156	201	114	/100	17.9
BWJ8-3	406	141	137	230/265	156	201	114	/100	20
BWJ8-4	503	171	167	240/270	169	206	118	/100	24.5
BWJ8-5	533	201	197	240/270	169	206	118	/100	27.1
BWJ16-2	467	125	122	240/270	169	206	118	/100	25.4
BWJ16-3	524	171	167	270	194	218	130		29.1

Components & Materials



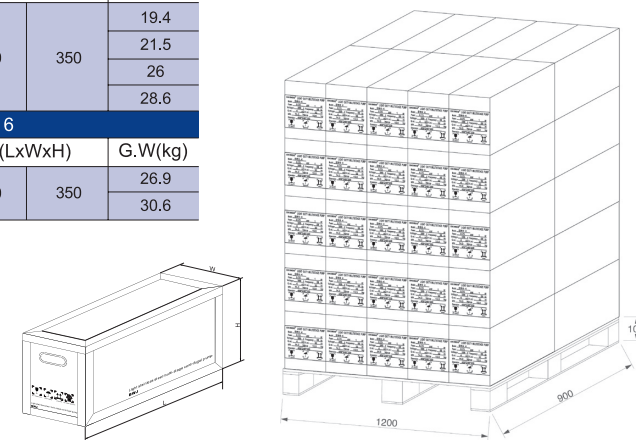
BWJ

No.	Component	Material	AISI/ASTM
1	Motor	Horizontal Motor(Lengthening Shaft)	
2	Base	Q235A	AISI1015
3	Water Outlet Shell	SUS304	AISI304
4	Mechanical Seal	Sic FPM	
5	Sealing Gasket	NBR	
6	Fluid Director	SUS304	AISI304
7	Impeller	SUS304	AISI304
8	Long Casing Bush	SUS304	AISI304
9	Fluid Director With Bearings	SUS304	AISI304
10	Pull-rod	Steel 45#	
11	Bearing	YG 8	
12	Lining	SUS304	AISI304
13	Water Inlet Shell	SUS304	AISI304

Packing Sizes & Weight

BWJ2				
Model	Dim.(mm) (LxWxH)			G.W(kg)
BWJ2-2	400	240	330	11.5
BWJ2-3				12
BWJ2-4				12.8
BWJ2-5	560	240	330	13.2
BWJ2-6				17
BWJ4				
Model	Dim.(mm) (LxWxH)			G.W(kg)
BWJ4-2	400	240	330	12
BWJ4-3				13
BWJ4-4	560	240	330	16.5
BWJ4-5				19.8
BWJ4-6				20.5

BWJ8				
Model	Dim.(mm) (LxWxH)			G.W(kg)
BWJ8-2	630	300	350	19.4
BWJ8-3				21.5
BWJ8-4				26
BWJ8-5	630	300	350	28.6
BWJ8-6				30.6
BWJ16				
Model	Dim.(mm) (LxWxH)			G.W(kg)
BWJ16-2	630	300	350	26.9
BWJ16-3				30.6



Fully integrated pump variable frequency pump

CATALOGUE FOR 50Hz



BWE



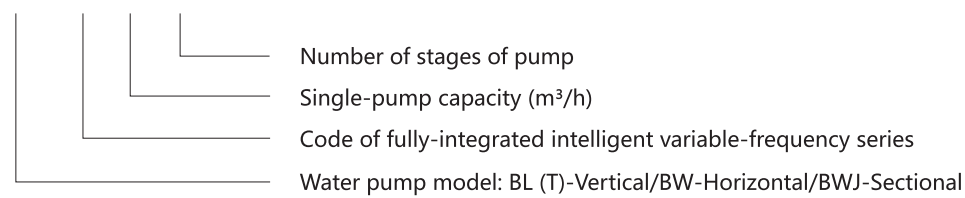
BWJE



BLE

Model Instruction

BW(J) E 2 - 6



Product Overview

The fully-integrated intelligent variable-frequency pump is a new generation of equipment for pressurized water supply, highly integrated by the newly-developed frequency controllers and water pumps and pressure tanks of the Company, presenting a beautiful appearance and reaching an international advanced level. Such pump has capacities of artificial intelligence and automatic adjustment to meet the user's demand for constant-pressure and variable-frequency water supply, which can help to keep constant the pressure of the water supply network and the whole system always at the best energy-efficient state.

Application

- ◉ Domestic water for residents: pressurization on the roof of high-rise buildings, apartments, and villas etc.
- ◉ Public places: schools, restaurants, stations, hospitals, and stadiums etc.
- ◉ Commercial buildings: hotels, office buildings, and department stores etc.
- ◉ Irrigation: farms, fruit gardens, and parks etc.
- ◉ Industry: manufacturing, food industry, industrial water, and other places needing constant-pressure water supply etc.

Operating Conditions

- ◉ Operating voltage: AC220V±10% at 50HZ, with phase-to-phase imbalance less than 2%;
- ◉ Ambient temperature: -5° C ~ 40° C;
- ◉ Altitude of installation site: no higher than 1,000m;
- ◉ Ambient humidity: 10-90%RH (non-condensing);
- ◉ No medium with explosion hazard in ambient air and no medium containing any gas or conductive dust which can corrode metal or damage insulation; application in environment of which the pollution degree is 2.

Certificate



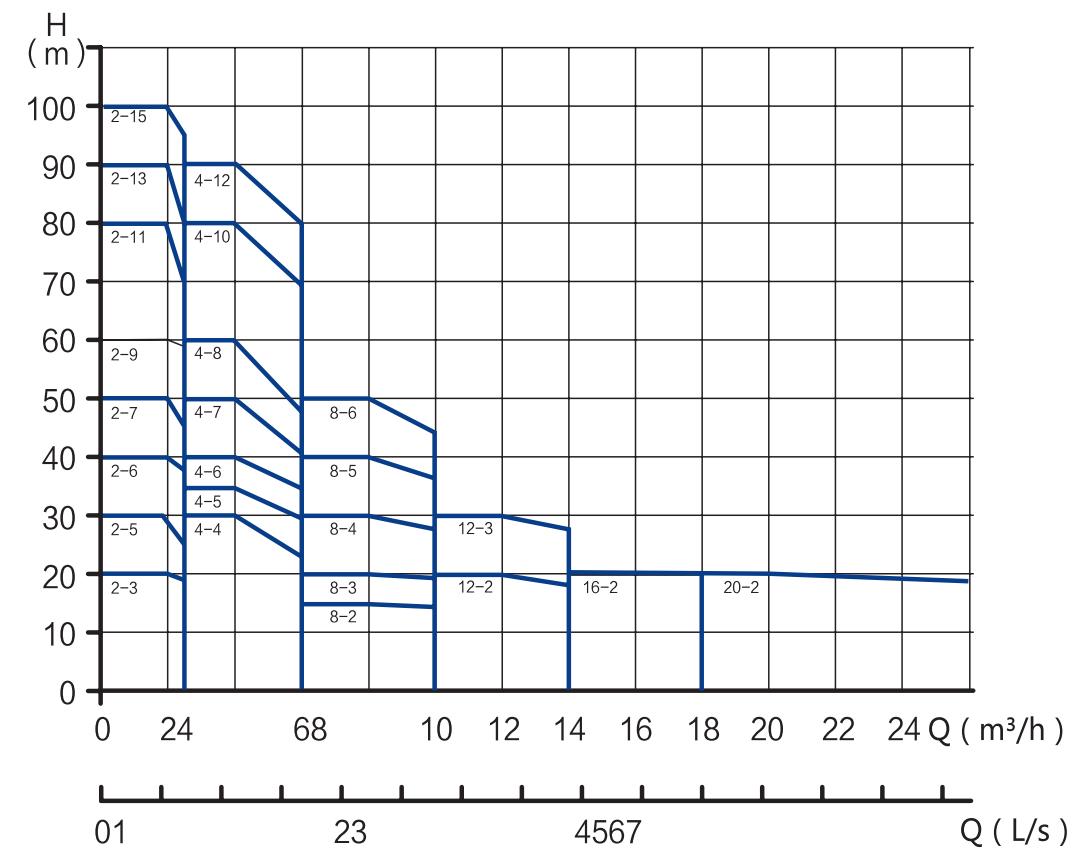
Functions

- ◉ When using water, the system will present its constant-pressure and variable-frequency control, while it will automatically maintain pressure and stop in case of no water used.
- ◉ The fluctuation range of the operating pressure of variable-frequency pump shall be no more than 0.01MPa.
- ◉ The pump will stop working in case of idling without water.
- ◉ It is able to inspect several faults concerning disconnection, overcurrent, overload, and grounding.

Features

- ◉ Frequency converter: IP65, safe and reliable
- ◉ High level of integration: The water pump is integrated with the frequency converter, so it is small in size and can be installed easily and save space.
- ◉ Full-automatic control: The product can automatically adjust its operating state on the basis of the pressure of the network of the user, to achieve its best working state and make the system energy-saving. When no water is used, automatic pressure maintenance and sleep will be realized and, therefore, the energy-saving effect is quite obvious. In case of failure of water pump, real-time tracking, judgement, and treatment will be carried out automatically.
- ◉ Easy and convenient operation: The man-machine interaction can be achieved directly via the keys and the display on the frequency converter. The user can make settings relating to pressure on the basis of its actual operating conditions and obtain the relevant information. In the event of any abnormality, the information about such an abnormality can be got as well.
- ◉ Constant-power operation: When the controller reaches the power limit, adjustment will be done on the basis of the actual operation, so as to keep the output power unchanged and protect the motor on the premises that the water consumption by the user is guaranteed to the greatest extent.

Equipment spectrum



Action Description

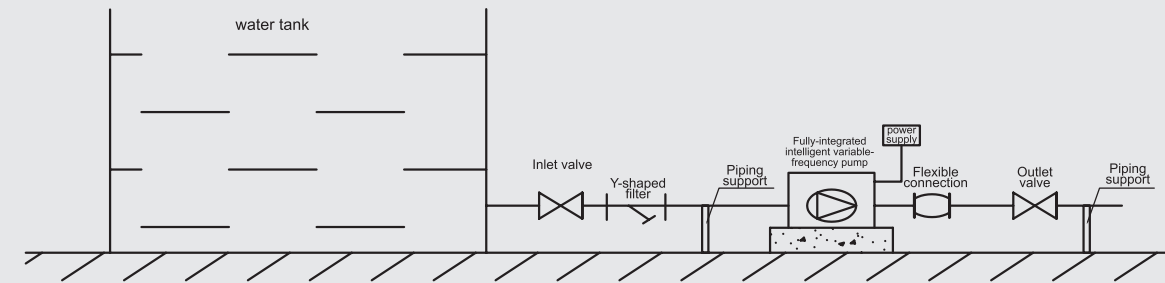
⊙ The automatic identification module senses the pressure of the system via a pressure sensor and compares it with the set pressure, and then outputs a continuous analog signal to the frequency converter which changes the operating frequency of the motor on the basis of the change of the analog signal, to finally meet the demand for constant-pressure water supply. When the user's water consumption is large, the rotational speed will increase automatically and the power will be increased accordingly to satisfy the demand for constant-pressure water supply. If no water is used, the system will go to sleep automatically after the set pressure is reached. Where the user uses little water or the water pressure decreases to 80% due to leakage of the piping, the frequency controller will send out a signal to order the motor to operate and then make up for pressure until the set pressure is reached again, to maximize energy saving.

Performance Parameters

Number	Model	Input voltage	Setting range of constant pressure values kg/cm ²	Factory-set constant pressure value (rated pressure) kg/cm ²	Inlet diameter	Outlet diameter	Single-pump power kW	Maximum lift (zero flow) m	Rated flow m ³ /h	Volume of pressure tank L
A01	BWE2-6	1ΦAC220V	0.5-4	4	G1	G1	0.75	56	2	3
A02	BWE4-4	1ΦAC220V	0.5-3	3	G1	G1	0.75	38	4	3
A03	BWE8-2	1ΦAC220V	0.5-1.5	1.5	G2	G2	0.75	22	8	5
A04	BWE8-3	1ΦAC220V	0.5-2	2	G2	G2	1.1	32	8	5
A05	BWE8-4	1ΦAC220V	0.5-3	3	G2	G2	1.5	43	8	5
A06	BWE8-5	1ΦAC220V	0.5-4	4	G2	G2	2.2	54	8	5
A07	BWE16-2	1ΦAC220V	0.5-2	2	G2	G2	2.2	27	16	5
A08	BWJE2-6	1ΦAC220V	0.5-4	4	G1	G1	0.75	56	2	3
A09	BWJE4-4	1ΦAC220V	0.5-3	3	G1½	G1	0.75	38	4	3
A10	BWJE4-5	1ΦAC220V	0.5-3.5	3.5	G1½	G1	1.1	47	4	3
A11	BWJE4-6	1ΦAC220V	0.5-4.5	4.5	G1½	G1	1.1	57	4	3
A12	BWJE8-2	1ΦAC220V	0.5-1.5	1.5	G1½	G1½	0.75	22	8	5
A13	BWJE8-3	1ΦAC220V	0.5-2	2	G1½	G1½	1.1	32	8	5
A14	BWJE8-4	1ΦAC220V	0.5-3	3	G1½	G1½	1.5	43	8	5
A15	BWJE8-5	1ΦAC220V	0.5-4	4	G1½	G1½	2.2	54	8	5
A16	BWJE16-2	1ΦAC220V	0.5-2	2	G1½	G1½	2.2	27	16	5
B01	BL(T)E2-6	1ΦAC220V	0.5-4	4	G1½	G1½	0.75	58	2	3
B02	BL(T)E2-7	1ΦAC220V	0.5-5	5	G1½	G1½	0.75	68	2	3
B03	BL(T)E2-9	1ΦAC220V	0.5-6	6	G1½	G1½	1.1	87	2	5
B04	BL(T)E2-11	1ΦAC220V	0.5-8	8	G1½	G1½	1.1	106	2	5
B05	BL(T)E2-13	1ΦAC220V	0.5-9	9	G1½	G1½	1.5	124	2	5
B06	BL(T)E2-15	1ΦAC220V	0.5-10	10	G1½	G1½	1.5	138	2	5
B07	BL(T)E4-4	1ΦAC220V	0.5-3	3	G1½	G1½	0.75	38	4	3
B08	BL(T)E4-5	1ΦAC220V	0.5-3.5	3.5	G1½	G1½	1.1	47	4	3
B09	BL(T)E4-6	1ΦAC220V	0.5-4	4	G1½	G1½	1.1	58	4	3
B10	BL(T)E4-7	1ΦAC220V	0.5-5	5	G1½	G1½	1.5	69	4	3
B11	BL(T)E4-8	1ΦAC220V	0.5-6	6	G1½	G1½	1.5	78	4	5
B12	BL(T)E4-10	1ΦAC220V	0.5-8	8	G1½	G1½	2.2	96	4	5
B13	BL(T)E4-12	1ΦAC220V	0.5-9	9	G1½	G1½	2.2	117	4	5
B14	BL(T)E8-2	1ΦAC220V	0.5-1.5	1.5	DN40	DN40	0.75	22	8	5
B15	BL(T)E8-3	1ΦAC220V	0.5-2	2	DN40	DN40	1.1	32	8	5
B16	BL(T)E8-4	1ΦAC220V	0.5-3	3	DN40	DN40	1.5	42	8	5
B17	BL(T)E8-5	1ΦAC220V	0.5-4	4	DN40	DN40	2.2	53	8	5
B18	BL(T)E8-6	1ΦAC220V	0.5-5	5	DN40	DN40	2.2	62	8	5
B19	BL(T)E12-2	1ΦAC220V	0.5-2	2	DN50	DN50	1.5	26	12	5
B20	BL(T)E12-3	1ΦAC220V	0.5-3	3	DN50	DN50	2.2	38	12	5
B21	BL(T)E16-2	1ΦAC220V	0.5-2	2	DN50	DN50	2.2	28	16	5
B22	BL(T)E20-2	1ΦAC220V	0.5-2	2	DN50	DN50	2.2	30	20	14

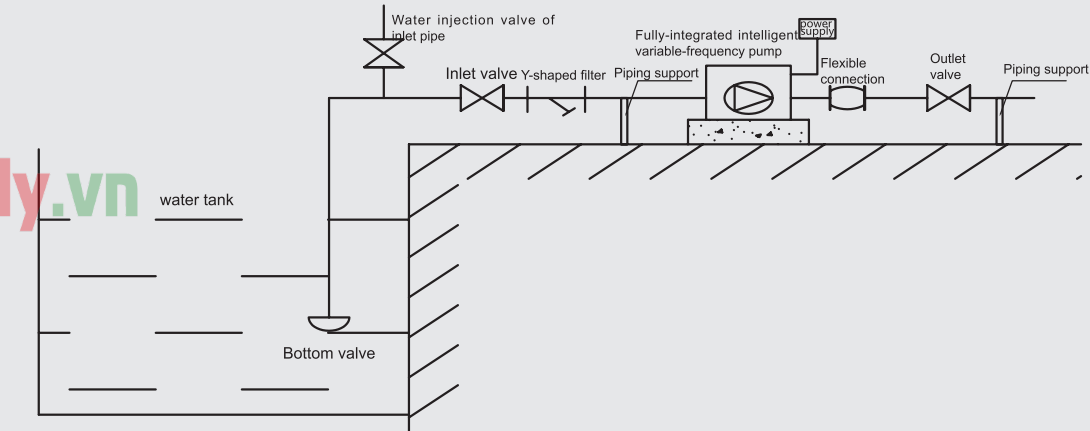
Installation Diagram

Positive-pressure Water Inlet :



Note: The fully-integrated variable-frequency pump is supplied by the Company while the peripheral pipes and other facilities are to be installed by the user itself.

Negative-pressure Water Inlet :



Note: The fully-integrated variable-frequency pump is supplied by the Company while the peripheral pipes and other facilities are to be installed by the user itself.

Instructions for Installation

- ⊙ When the pump is installed indoors, there should be no water drop, metal dust, oily dirt, corrosive/flammable gas or liquid, or electromagnetic signal interference. When installed outdoors, the pump should be sheltered.
- ⊙ The assembling floor of the variable-frequency pump must be firm, without any split or sink.
- ⊙ The equipment should be installed with positive pressure at the inlet while installation with negative-pressure suction should be avoided to the greatest extent. In case negative-pressure installation is required, please select a bottom valve with good quality and carry out regular overhauls.
- ⊙ The diameter of the inlet pipe and the outlet pipe to be connected with the variable-frequency pump should be greater than the diameter of the variable-frequency pump itself.
- ⊙ Please check whether the provided power supply complies with the requirement of the variable-frequency pump for the power supply at the incoming line.
- ⊙ During installation, the user should furnish the inlet and the outlet valves of the variable-frequency pump and the relevant flexible connections so as to facilitate repairs and prevent noise from passing through piping.
- ⊙ If installation is made with positive pressure at the inlet, please open the vent valve of the water pump and discharge the air prior to use. Do not tighten the vent valve until there is water flowing out. In case of installation made with negative pressure at the inlet, please fill the suction pipe with water prior to use (there should be a filling valve at the suction pipe) and start up the pump after the chamber of the water pump is full of water.

Reference for Model Selection

Computational method of maximum water consumption

No	Accessories for water supply	Rated flow (L/s)	Equivalent	Nominal diameter of connecting pipe (mm)	Minimum operating pressure (MPa)
1	Washbasin, mop basin, washbasin Single-valve faucet Single-valve faucet Mixed-water faucet	0.15 ~ 0.20 0.30 ~ 0.40 0.15 ~ 0.20(0.14)	0.75 ~ 1.00 1.5 ~ 2.00 0.75 ~ 1.00(0.70)	15 20 15	0.050
2	Washbasin Single-valve faucet Mixed-water faucet	0.15 0.15 (0.10)	0.75 0.75(0.50)	15 15	0.050
3	Washbasin Sensor faucet Mixed-water faucet	0.10 0.15(0.10)	0.50 0.75(0.5)	15 15	0.050
4	Bathtub Single-valve faucet Mixed-water faucet (including converter with shower)	0.20 0.24(0.20)	1.00 1.2(1.0)	15 15	0.050 0.050 ~ 0.070
5	Shower Mixing valve	0.15(0.10)	0.75(0.50)	15	0.050 ~ 0.100
6	Closest pan Float valve of flushing cistern Delay-driven self-closing flush valve	0.10 1.20	0.50 6.00	15 25	0.020 0.10 ~ 0.15
7	Urinal Manual or automatic self-closing flush valve Inlet valve of automatic flushing cistern	0.10 0.10	0.50 0.50	15 15	0.050 0.020
8	Perforated flushing pipe of urinal (in m)	0.05	0.25	15 ~ 20	0.015
9	Faucet of bidet	0.10(0.07)	0.50(0.35)	15	0.050
10	Pan closet used in a hospital	0.20	1.00	15	0.050
11	Gooseneck-type faucet for testing in a laboratory Single-linkage Double-linkage Triple-linkage	0.07 0.15 0.20	0.35 0.75 1.00	15 15 15	0.020 0.020 0.020
12	Nozzle of drinking fountain	0.05	0.25	15	0.050
13	Sprinkler	0.40 0.70	2.00 3.50	20 25	0.050 ~ 0.100 0.050 ~ 0.100
14	Flushing faucet for indoor ground	0.20	1.00	15	0.050
15	Faucet of domestic washing machine	0.20	1.00	15	0.050

Note:

- ⊙ A value inside brackets in the table is to be used for the independent calculation relating to cold water or hot water, when there is hot water supply.
- ⊙ When a shower is attached to a bathtub or a mixed-water faucet is provided with a shower converter, then for the calculation of the rated flow and the equivalent, only the faucet should be included. However, the computation of water pressure shall be based on the shower.
- ⊙ The water pressure needed by a domestic gas water heater should be determined on the basis of the requirement of the product and the operating pressure needed by the most unfavorable water distribution point of the hot water supply system.
- ⊙ The automatic sprinkling irrigation of a green belt should be designed in accordance with the requirement of the product.
- ⊙ When there are special requirements for the rated flow and the minimum operating pressure needed by the water supply accessories of sanitary fixtures, their values should be determined as per the requirement of the product (how to determine the equivalence when the requirement of the product is determined).
- ⊙ Calculation of maximum water consumption
 $L = \text{Number of single-valve faucets} * \text{Rated flow} + \text{Mixed-water faucet} * \text{Rated flow} + \dots + \text{Number of domestic washing machines} * \text{Rated flow}$
 The unit of L to be calculated should be "L/S", converted into t/h by multiplying 3.6 (for the rated flow, please refer to Table I).

Calculation of minimum pressure

The minimum pressure should be the pressure calculated from the suction surface of the water pump, plus the minimum necessary pressure for the highest sanitary fixture used.
 The minimum pressure used by the water supply equipment (Mpa) $\approx 1/100 * (hg + hf) + pe$
Ha: the actual lift from the suction surface to the highest fixture (m);
Hf: the loss of the piping and the bending, to be calculated as 6m-10m;
Pe: the minimum necessary pressure of the highest sanitary fixture (please refer to Table I).

For example:

There is a small hotel four-storeyed above the ground, about 12m high (calculated from the suction surface), including 12 rooms. Each room is equipped with one closet plan, one washbasin (with a mixed-water faucet), and one shower (with a mixed-water faucet). In addition, the hotel has one faucet for domestic washing machines, four flushing faucets for indoor ground, and four faucets of drinking fountains. Please calculate the flow and the lift of the equipment to be selected.

Answer:

Calculation of the maximum water consumption:

Maximum water consumption = $3.6 \{ 12 (1 * 0.1 + 1 * 0.15 + 1 * 0.24) + 1 * 0.2 + 4 * 0.2 + 4 * 0.05 \} = 6.084 \text{ t/h}$

Calculation of the minimum pressure:

Minimum pressure $\approx 1/100 * (12 + 10) + 0.07 = 0.29 \text{ Mpa}$

Ha: the actual lift from the suction surface to the highest sanitary fixture, 12m;

Hf: the head loss of the piping and the bending, taking 10m;

Pe: the minimum operating pressure of the shower, 0.7bar.

Note: 1bar $\approx 1 \text{ kg/cm}^2 = 0.1 \text{ Mpa}$; 1Mpa is approximately equal to 100m lift of the water pump.

When equipment is selected, the total flow of the selected equipment should be the maximum water consumption and the lift should be no less than the minimum pressure calculated. Please refer to the Equipment Spectrum.

Overall Dimensions of Variable-frequency Pump

Model	L	L1	B	H	H1	N.W (kg)	G.W (kg)	Sketch map
BWE2-6	419	165	165	540	111	19	21.5	1
BWE4-4	426	165	165	540	111	19	21.5	1
BWE8-2	539	283	228	610	118	18.5	22.3	1
BWE8-3	539	283	228	610	118	24.5	28.3	1
BWE8-4	590	283	228	610	118	28.5	32.3	1
BWE8-5	590	283	228	610	118	32.5	36.3	1
BWE16-2	590	283	228	610	118	31.5	35.3	1
BWJE2-6	414	151	228	540	111	20.3	22.8	1
BWJE4-4	413	151	228	540	111	19	21.5	1
BWJE4-5	440	178	228	540	111	22.3	25	1
BWJE4-6	467	232	228	540	111	23	25.5	1
BWJE8-2	376	111	228	600	114	22.9	26.7	1
BWJE8-3	406	141	228	600	114	25	28.8	1
BWJE8-4	503	171	228	600	118	29.5	33.3	1
BWJE8-5	533	201	228	600	118	32.1	35.9	1
BWJE16-2	467	125	228	600	118	34.1	37.9	1

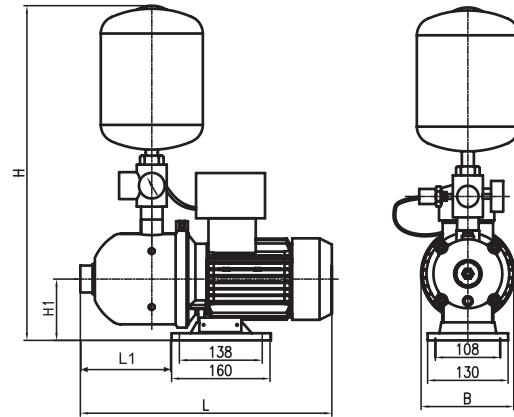


Figure 1

Model	L	L1	L2	B	B1	H	H1	N.W.(kg)		G.W.(kg)		Sketch map
								BL	BLT	BL	BLT	
BL(T)E2-6	610	550	100	320	280	625	105	37	43	52	58	2
BL(T)E2-7	610	550	100	320	280	643	105	37	43	52	58	2
BL(T)E2-9	610	550	100	320	280	679	105	40	46	57	63	2
BL(T)E2-11	610	550	100	320	280	715	105	41	47	58	64	2
BL(T)E2-13	610	550	100	320	280	809	105	44	51	63	70	2
BL(T)E2-15	610	550	100	320	280	845	105	45	51	64	70	2
BL(T)E4-4	610	550	100	320	280	625	105	37	44	52	59	2
BL(T)E4-5	610	550	100	320	280	652	105	39	46	54	61	2
BL(T)E4-6	610	550	100	320	280	679	105	40	47	57	64	2
BL(T)E4-7	610	550	100	320	280	764	105	43	51	61	69	2
BL(T)E4-8	610	550	100	320	280	791	105	44	51	62	69	2
BL(T)E4-10	610	550	100	320	280	845	105	48	55	66	73	2
BL(T)E4-12	610	550	100	320	280	899	105	49	57	69	77	2

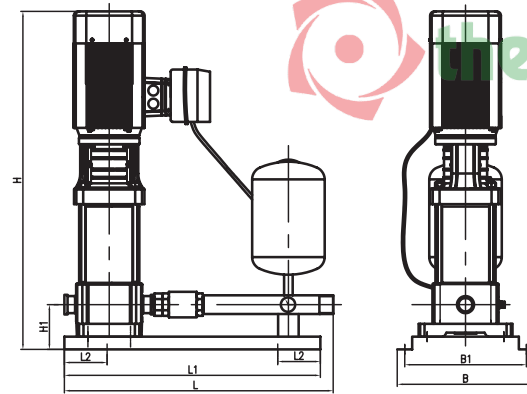


Figure 2

Model	L	L1	L2	B	B1	H	H1	N.W.(kg)		G.W.(kg)		Sketch map
								BL	BLT	BL	BLT	
BL(T)E8-2	780	730	100	350	310	650	110	53	63	72	82	3
BL(T)E8-3	780	730	100	350	310	680	110	55	65	74	84	3
BL(T)E8-4	780	730	100	350	310	760	110	59	69	80	90	3
BL(T)E8-5	780	730	100	350	310	790	110	63	73	84	94	3
BL(T)E8-6	780	730	100	350	310	820	110	64	74	85	95	3
BL(T)E12-2	800	750	100	350	310	713	120	59	69	80	90	3
BL(T)E12-3	800	750	100	350	310	745	120	62	72	83	93	3
BL(T)E16-2	800	750	100	350	310	740	120	62	73	83	94	3
BL(T)E20-2	800	750	100	350	310	740	120	64	74	85	95	3

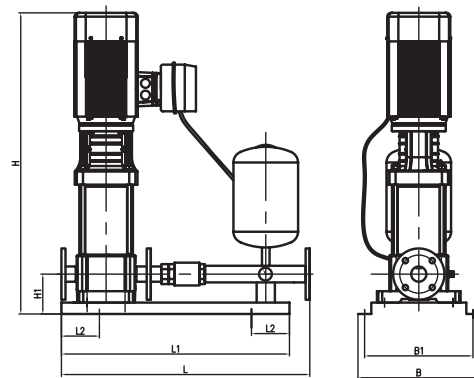


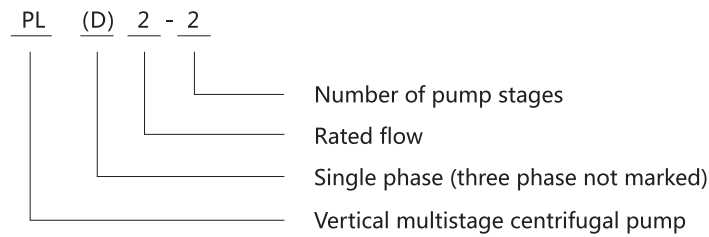
Figure 3

Packing Sizes & Weight

Model	Dim.(mm) (LxWxH)	Model	Dim.(mm) (LxWxH)
BWE2-6	520×260×590	BL(T)E2-13	800×330×870
BWE4-4			
BWE8-2	660×290×700	BL(T)E4-4	800×330×670
BWE8-3			
BWE8-4			
BWE8-5			
BWE16-2	520×260×590	BL(T)E4-6	800×330×740
BWJE2-6			
BWJE4-4	580×260×570	BL(T)E4-7	800×330×870
BWJE4-5			
BWJE4-6	660×290×700	BL(T)E4-8	900×360×720
BWJE8-2			
BWJE8-3			
BWJE8-4			
BWJE8-5			
BWJE16-2			
BL(T)E2-6	800×330×670	BL(T)E4-10	800×330×920
BL(T)E2-7			
BL(T)E2-9	800×330×740	BL(T)E8-2	900×360×870
BL(T)E2-11			
		BL(T)E8-3	
		BL(T)E8-4	
		BL(T)E8-5	
		BL(T)E8-6	
		BL(T)E12-2	
		BL(T)E12-3	
		BL(T)E16-2	
		BL(T)E20-2	

PLD economical vertical multistage pump

Model Instruction



Performance range

- max lift: 153 m;
- Max flow: 4m³ / h;

Conditions

- The temperature of the medium does not exceed +60 ° C;
- The ambient temperature does not exceed +40 ° C;
- The PH value of the medium is between 6.5 and 8.5, the volume ratio of solid impurities in the medium is ≤ 0.1%, and the particle size is ≤ 0.2mm.
- The maximum working pressure is 15 bar;
- The highest altitude is 1000m;

Application

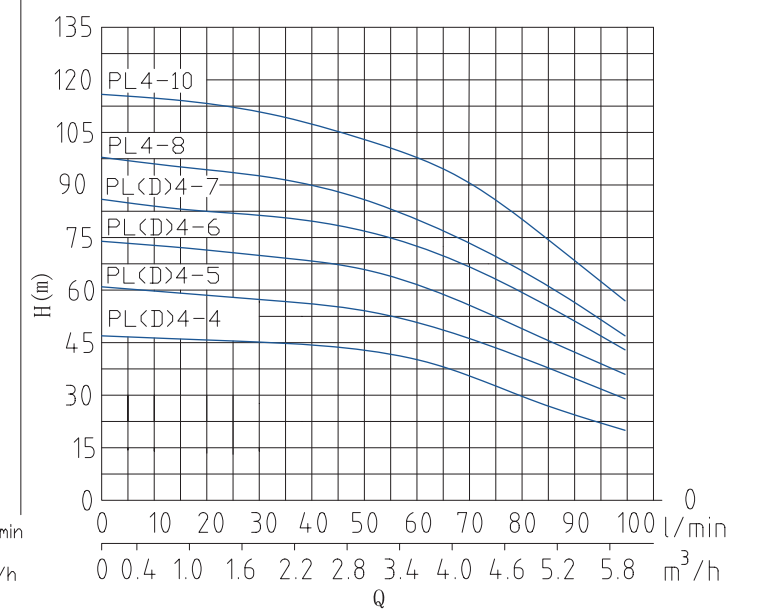
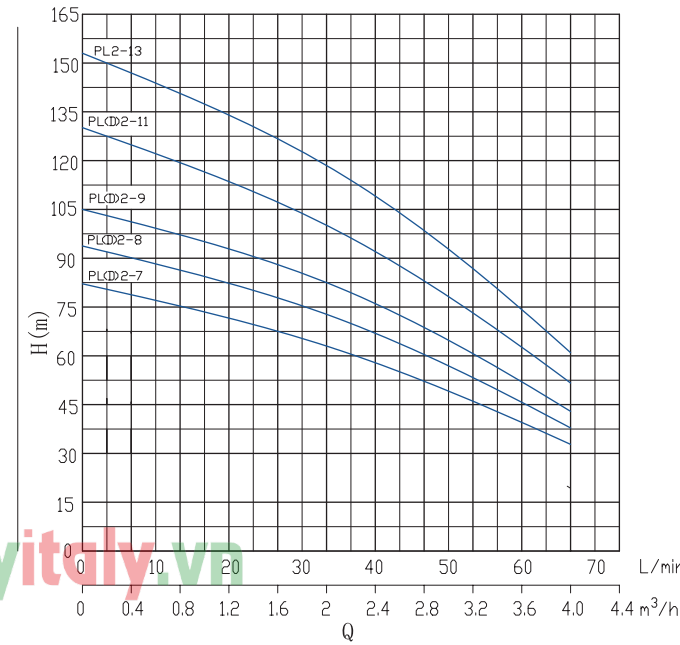
The product has the characteristics of high cost performance, low flow rate, high lift and low noise. It is widely used in high-rise building water supply and drainage, water plant filtration and transportation, pipeline pressurization system, equipment supporting and other occasions.

Structural material

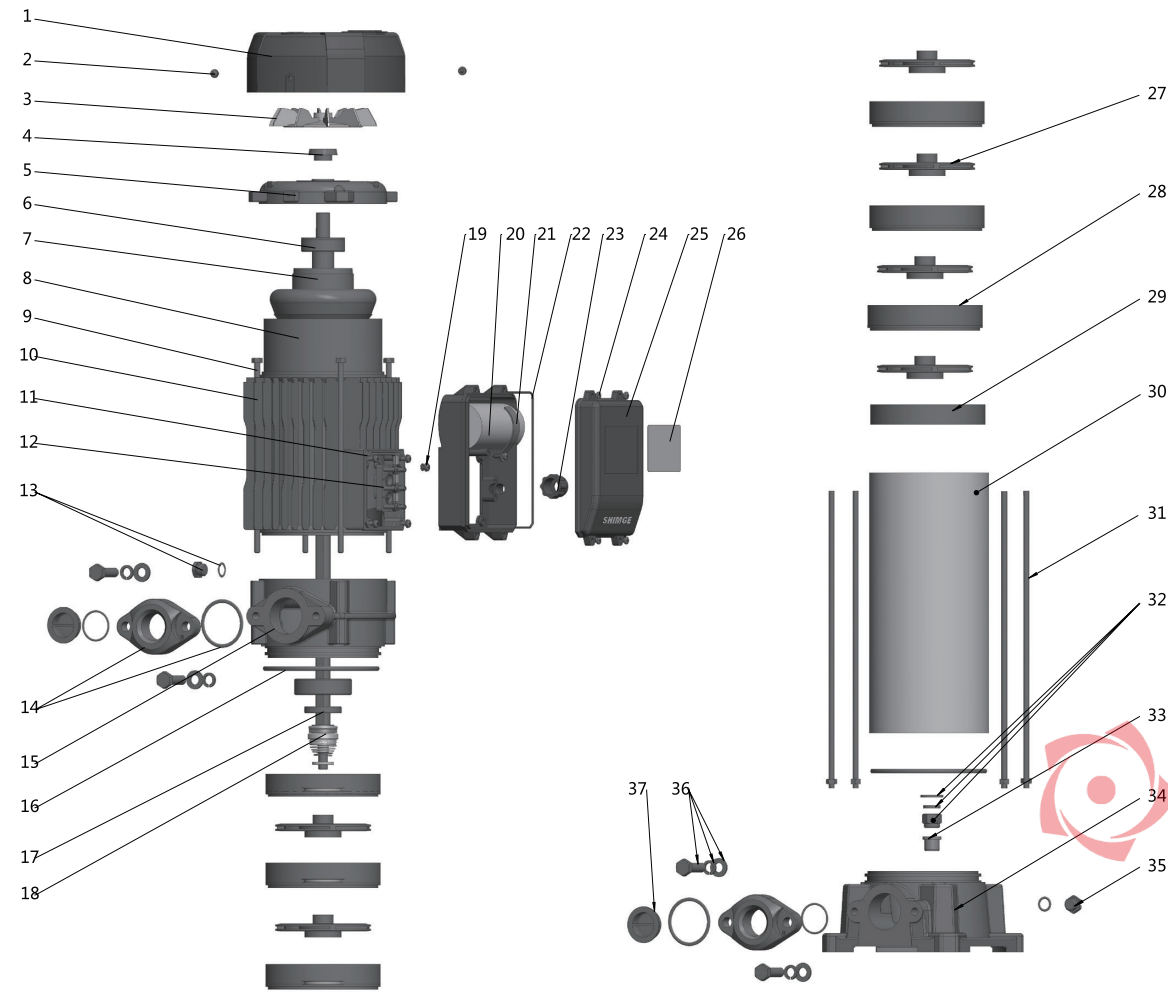
- pump seat / coupling / back cover / inlet pipe: cast iron;
- Axis: 304+45 friction welding;
- impeller / guide vane: PPO + GF30
- Case: YL102
- pump barrel: 304
- junction box: ABS
- mechanical seal: silicon carbide / graphite / nitrile rubber;
- Bearing: 6305-2RS / human, 6204-2RS / human, contact sealed;
- Motor: 2-pole asynchronous motor, copper coil, fan cooling, continuous operation.
- protection level: IP 55;
- Insulation class: F.



Performance curve

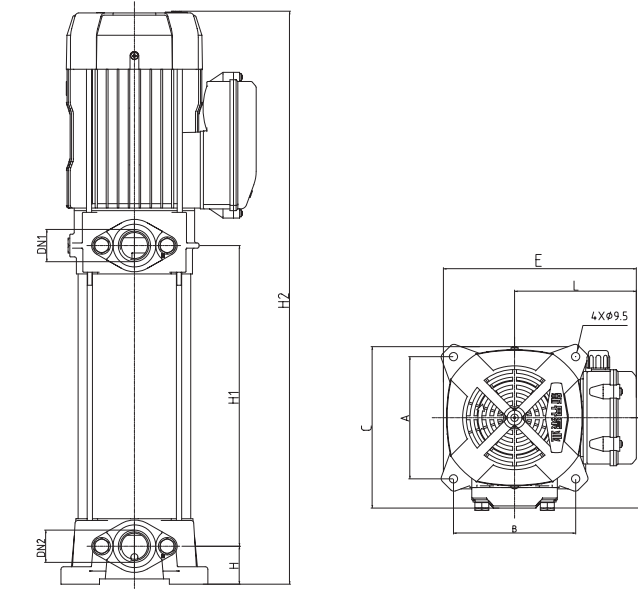


Model		Power		Q(m³/h)	0	1	2	3	4	5	6
single-phase	Three phase	kW	HP	Q(L/min)	0	16.7	33.3	50	66.7	83.3	100
PLD207	PL207	1.1	1.5	H (m)	82	75	65.5	52	25	--	--
PLD208	PL208	1.5	2		94	87	73	59	28	--	--
PLD209	PL209	1.5	2		105	98	84	67	35	--	--
PLD211	PL211	1.8	2.5		130	119	102	82	37	--	--
--	PL213	2.2	3		153	142	122	97	39	--	--
PLD404	PLD404	1.1	1.5		47	46	45	41	39	28	20
PLD405	PLD405	1.5	2		61	58	57	55	48	39	29
PLD406	PLD406	1.5	2		74	72	69	66	58	47	36
PLD407	PLD407	1.8	2.5		86	83	81	77	69	57	43
--	PLD408	2.2	3		98	95	92	86	77	63	47
--	PLD410	2.2	3		116	114	110	102	96	73	57



No.	Component	No.	Component	No.	Component
1	Fan cover	14	Inlet pipe, type 0 seal	27	Impeller
2	Cross groove flange face screw	15	Connecting parts	28	Guide vane
3	The fan	16	O type seal	29	The last stage guide vane
4	The seal ring	17	Skeleton oil seal	30	Pump tube
5	The back end cover	18	Mechanical seal	31	Isometric studs
6	Deep groove ball bearings	19	External tooth lock washer	32	Flat washer
7	The rotor	20	Capacitor	33	Bushing
8	With winding stator core	21	Capacitor clamp	34	The base
9	Hex head bolt	22	Rubber washer	35	Drain cock
10	The case	23	Cable lock	36	Flat washer
11	Rubber gasket	24	Phillips pan head Self-tapping screws	37	Dust cover
12	Terminal	25	Junction box	38	
13	Venting cock, type 0 seal	26	Nameplate	39	

Product appearance size



Model		DN1	DN2	H	H1	H2	A	B	C	D	E	L
single-phase	Three phase	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
PLD207	PL207	G1	G2	43.5	128.5	440.5	140	140	185	130.5	221	139.5
PLD208	PL208				152.5	464.5						
PLD209	PL209				176.5	488.5						
PLD211	PL211				200.5	512.5						
--	PL213				224.5	536.5						
PLD404	PLD404				248.5	560.5						
PLD405	PLD405				272.5	584.5						
PLD406	PLD406				296.5	608.5						
PLD407	PLD407	344.5	656.5									
--	PLD408	392.5	704.5									
--	PLD410											

Packing Sizes & Weight

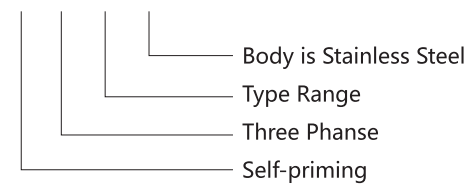
Model	Dim.(mm) (LxWxH)	N.W (kg)	G.W (kg)
PL2-7	620×240×270	21.5	22
PLD2-7	620×240×270	22.5	23
PL2-9	670×240×270	23.5	24
PLD2-9	670×240×270	25	25.5
PL2-11	715×240×270	25.5	26
PLD2-11	715×240×270	27	27.5
PL2-13	765×240×270	28	28.5



JET-G1

Model Instruction

JET S 370 G1



Performance Range

- Max. Flow: 6m³/h
- Max. Head: 48m

Application Limits

- Suction head up to 9m
- Liquid temperature up to +40°C
- Ambient temperature up to +40°C
- Max. Working pressure: 6bar
- Voltage fluctuation should not exceed 10% of rated value.
- pH: 6.5 to 8.5

Certificate



Applications Fields

- Suitable for transferring water without abrasive particles or other liquid whose properties are similar to water.
- Widely used in well water lifting, garden irrigation, vegetable greenhouse water supply, breeding industry water supply and drainage, pipeline boosting, etc.

Features

- 304 stainless steel pressed tensile pump body & pump cover
- Hydraulic optimization design, excellent performance
- Nozzle, guide vane and the impeller PPO engineering plastics
- Products are complete in specifications, meet drinking water standards

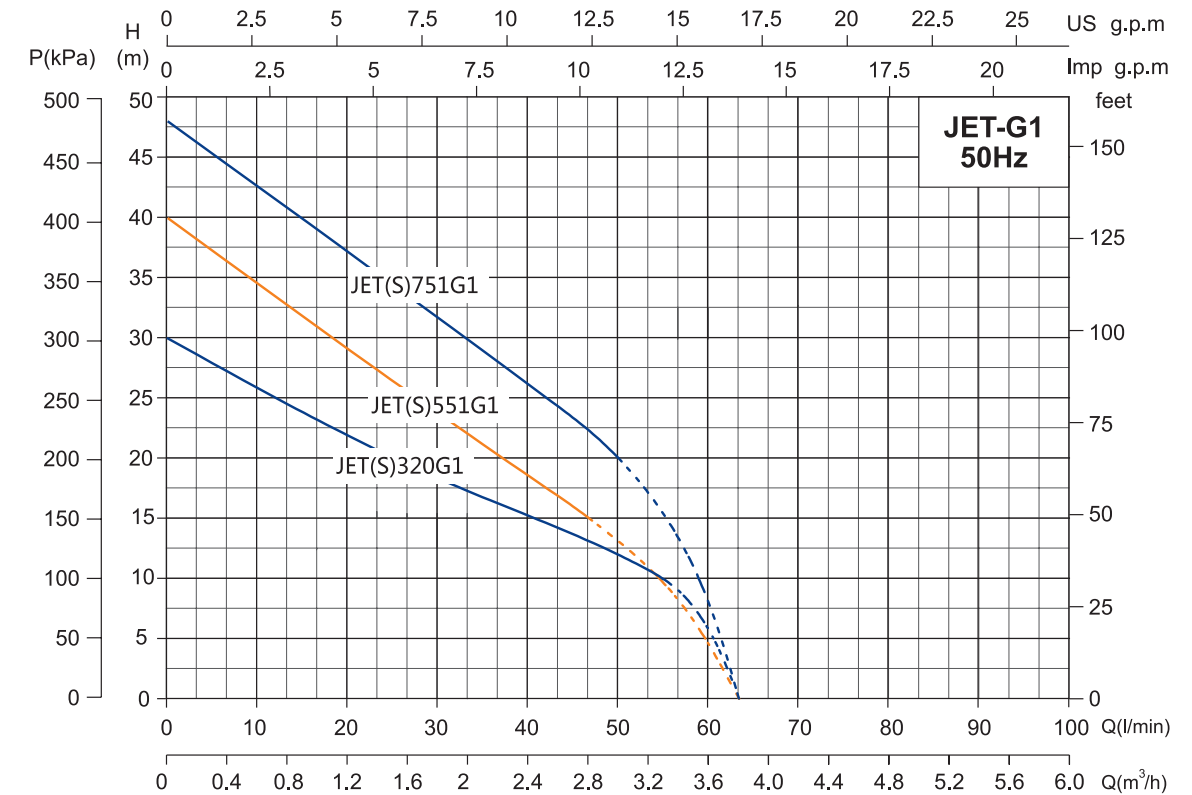
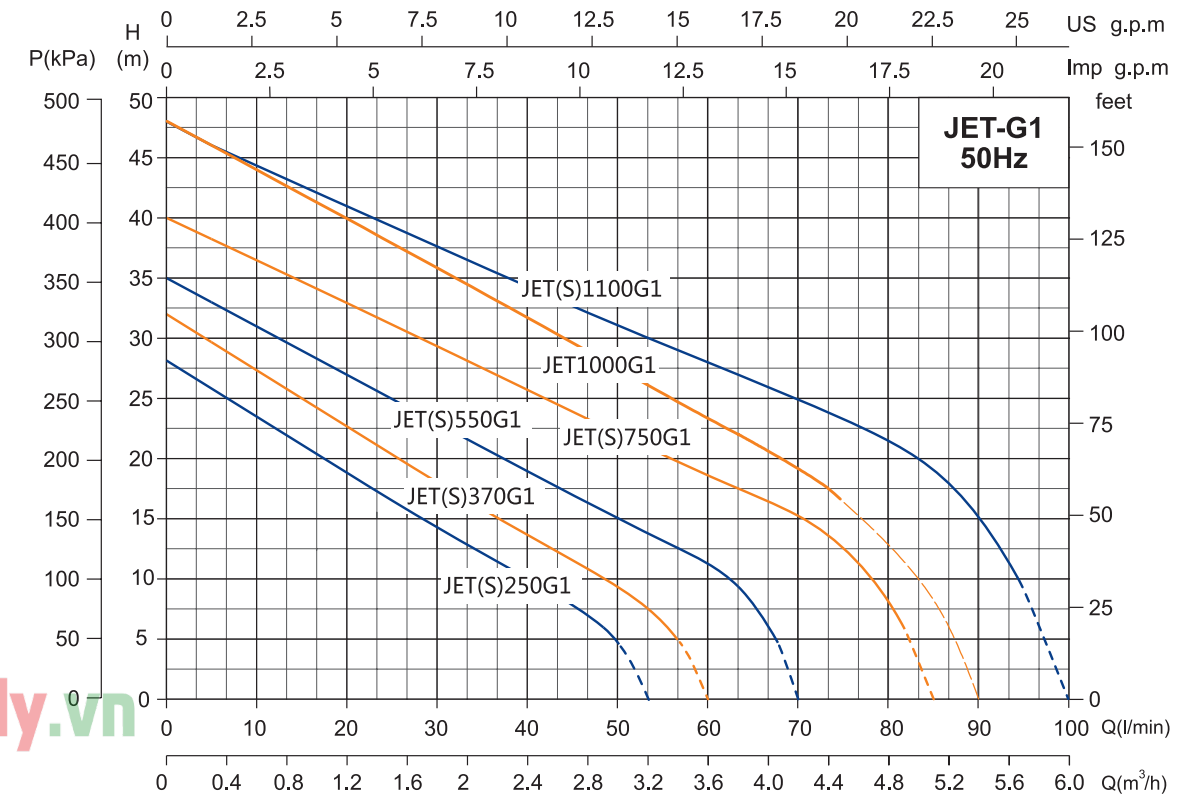
Motor

- Single-Phase 220V/50Hz
- Three-Phase 380V/50Hz
- Motor: 2 pole asynchronous motor, copper wires, built-in thermal protector, fully closed fan cooling, continuous running
- Protection: IP44
- Insulation: Class B

Optional Available on Request

- (* Standard configuration on Page 58)
- NSK bearing
- Motor whose insulation class is F
- Other voltage or frequency is 60Hz

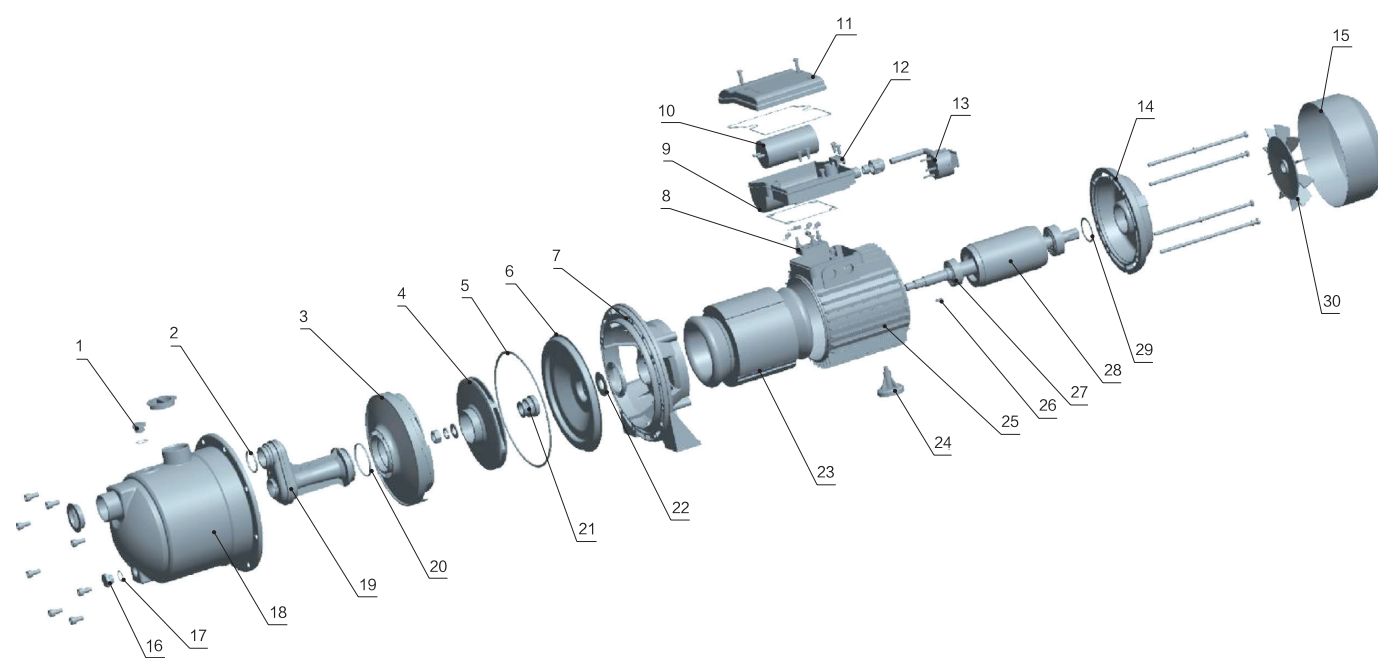
Performance Curve



Model		Power		Max. Flow (m ³ /h)	Max. Head (m)	Head Range (m)	Max. Suction (m)
Single-Phase	Three-Phase	kW	HP				
JET250G1	JETS250G1	0.25	0.37	3.2	28	4~28	8
JET370G1	JETS370G1	0.37	0.5	3.6	32	5~32	8
JET550G1	JETS550G1	0.55	0.75	4.2	35	4~35	9
JET750G1	JETS750G1	0.75	1	5.1	40	5.5~40	9
JET1100G1	JETS1100G1	1.1	1.5	6	48	9~48	9
JET320G1	JETS320G1	0.37	0.5	3.8	30	2~30	7
JET551G1	JETS551G1	0.55	0.75	3.8	40	2~40	9
JET751G1	JETS751G1	0.75	1	3.8	48	2~48	9
JET1000G1	-	1.0	1.34	5.4	48	9~48	9

Note: No plug 0.3 m

Components & Materials

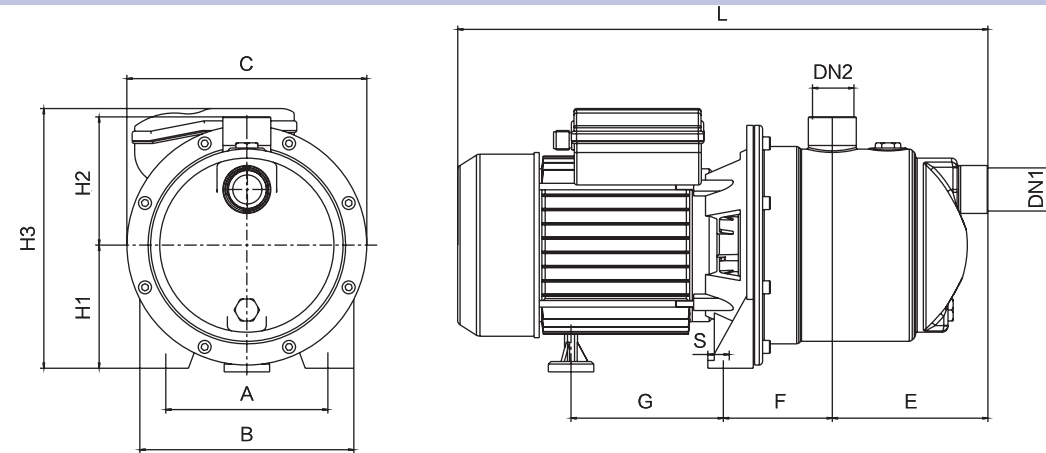


No.	Component	No.	Component	No.	Component
1	Bleed Screw	11	Terminal Box Cover	21	Mechanical Seal
2	O-ring	12	Cable Guard	22	Water Deflector
3	Guide Vanes	13	Cable	23	Stator Core Assembly
4	Impeller	14	End Shield	24	Foot
5	O-Ring	15	Fan Cover	25	Motor Case
6	Pump Cover	16	Bleed Screw	26	Key
7	Coupling	17	O-ring	27	Bearing
8	Terminals	18	Pump Body	28	Rotor
9	Terminal Box	19	Injection	29	Waved Spring
10	Capacitor	20	O-ring	30	Fan

NO.	Model	JET250G1	JET370G1	JET550G1	JET750G1	JET1100G1	JETS250G1	JETS370G1	JETS550G1	JETS750G1	JETS1100G1
10	Capacitor	10 μF/450V	15 μF/450V	18 μF/450V	20 μF/450V	30 μF/450V	/	/	/	/	/
27	End-cover Bearing	6201-2RZ	6202-2RZ	6204-2RZ	6201-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6204-2RZ
	Coupling Bearing	6202-2RZ	6203-2RZ	6204-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6204-2RZ
	Motor Shaft	AISI 304+Steel 45#									
21	Mechanical Seal	301-12/21 B:A (P) (Stationary seal ring ø26)	301-14/21 B:A (P) (Stationary seal ring ø28)	301-16/21 B:A (P) (Stationary seal ring ø30)	301-12/21 B:A (P) (Stationary seal ring ø26)	301-14/21 B:A (P) (Stationary seal ring ø28)	301-14/21 B:A (P) (Stationary seal ring ø28)	301-14/21 B:A (P) (Stationary seal ring ø28)	301-14/21 B:A (P) (Stationary seal ring ø28)	301-14/21 B:A (P) (Stationary seal ring ø28)	301-14/21 B:A (P) (Stationary seal ring ø28)
		A:Graphite B: Ceramic P:NBR									
25	Motor Bracket	Aluminum									
7	Coupling	Aluminum									
18	Pump Body	Stainless steel 304									
4	Impeller	Plastics PPO									
3	Guide Vane	Plastics PPO									

NO.	Model	JET320G1	JET551G1	JET751G1	JET1000G1	JETS320G1	JETS551G1	JETS751G1
10	Capacitor	12 μF/450V	12 μF/450V	18 μF/450V	AC20 μF/450V	/	/	/
27	End-cover Bearing	6201-2RZ	6202-2RZ	6202-2RZ	6201-2RZ	6201-2RZ	6202-2RZ	6202-2RZ
	Coupling Bearing	6202-2RZ	6203-2RZ	6203-2RZ	6202-2RZ	6202-2RZ	6202-2RZ	6203-2RZ
	Motor Shaft	AISI 304+Steel 45#						
21	Mechanical Seal	301-12/21 B:A (P) (Stationary seal ring ø26)	301-14/21 B:A (P) (Stationary seal ring ø28)	301-16/21 B:A (P) (Stationary seal ring ø30)	301-12/21 B:A (P) (Stationary seal ring ø26)	301-12/21 B:A (P) (Stationary seal ring ø26)	301-14/21 B:A (P) (Stationary seal ring ø28)	301-14/21 B:A (P) (Stationary seal ring ø28)
		A:Graphite,K:Impregnated resin sintered graphite,B: Ceramics,S:RBSC,F:Fluorine rubber,P:NBR,E:Ethylene propylene rubber,T:Plating the Manganese steel with chromium,C:Stainless steel(06Cr19Ni10),H:Brass.						
25	Motor Bracket	Aluminum						
7	Coupling	Aluminum						
18	Pump Body	Stainless steel 304						
4	Impeller	Plastics PPO						
3	Guide Vane	Plastics PPO						

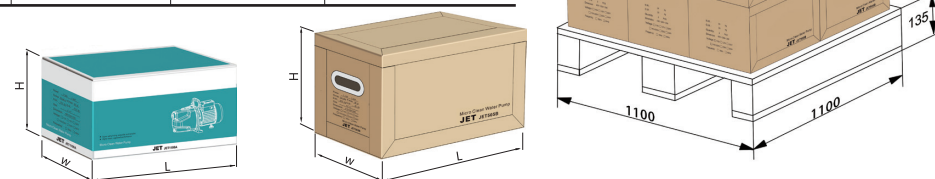
Dimensions & Weight



Model		DN1	DN2	Dim.(mm)										N.W. (kg)	
Single-Phase	Three-Phase	(Inch)		A	B	C	E	F	G	L	H1	H2	H3	S	
JET250G1	JETS250G1	1	1	105	145	165	70	79	106	327	85	90	180	9	5.5/5.5
JET370G1	JETS370G1	1	1	105	145	165	110	79	106	367	85	90	180	9	6.5/6.5
JET550G1	JETS550G1	1	1	125	165	185	120	84	117.5	409	95	99	204	9	9/9
JET750G1	JETS750G1	1	1	125	165	185	120	84	117.5	409	95	99	204	9	10.5/10.5
JET1100G1	JETS1100G1	1	1	145	185	200	124	92	135	441	103	106.5	209.5	9	14/13
JET320G1	JETS320G1	1	1	105	145	165	110	79	106	367	85	90	180	9	6.2/6.2
JET551G1	JETS551G1	1	1	125	165	185	120	84	117.5	409	95	99	204	9	8.4/8.5
JET751G1	JETS751G1	1	1	125	165	185	120	84	117.5	409	95	99	204	9	10.2/10.4
JET1000G1	-	1	1	145	185		124	92	132.5	429.5	103	106.5	215	9	10.5

Packing Size & Weight

Model		Dim.(L×W×H)	G.W.(kg)		20' Loading Qty. (pcs)
Single-Phase	Three-Phase	mm	Single-Phase	Three-Phase	
JET250G1	JETS250G1	370×210×220	6.4	6.4	1750
JET370G1	JETS370G1	415×220×240	7	7	
JET550G1	JETS550G1	460×225×255	9.5	9.5	1195
JET750G1	JETS750G1	460×225×255	11	11	
JET1100G1	JETS1100G1	485×245×270	14.5	13.5	936
JET320G1	JETS320G1	370×210×220	7.1	7.1	
JET551G1	JETS551G1	460×225×255	8.9	9.0	1195
JET751G1	JETS751G1	460×225×255	10.7	10.9	
JET1000G1	-	460×225×250	11	-	1279



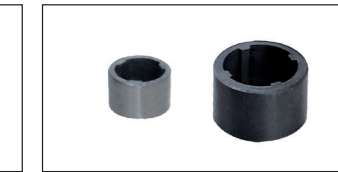
Shaft



Lining



Bearing inner



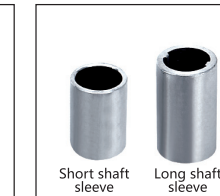
Cartridge mechanical seal



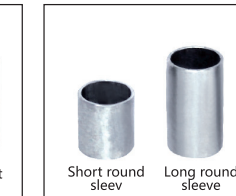
Coupling



Shaft sleeve



Round sleeve



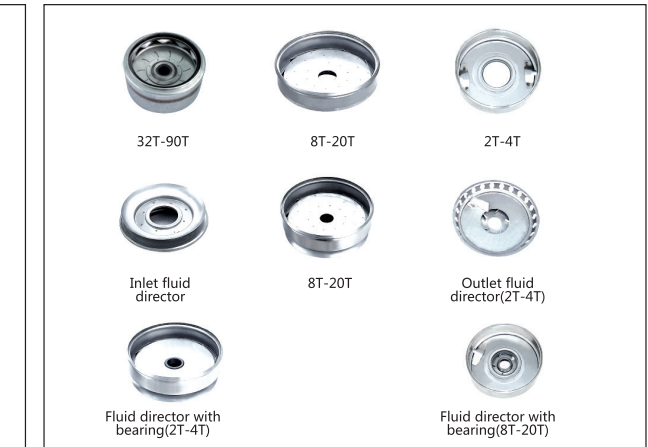
Base plate



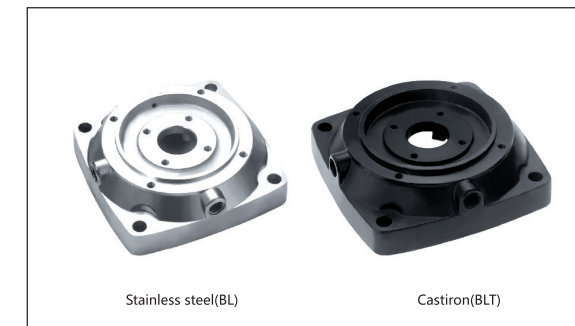
Pump base



Fluid director



Pump head



Motor base



Impeller

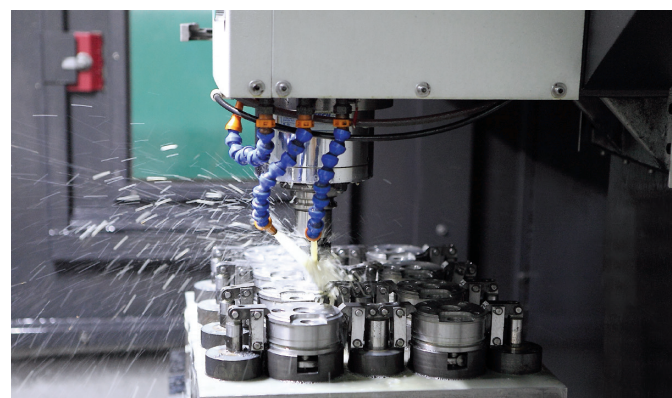




wita factory in Germany



wita factory in Poland



wita factory in China