



STAINLESS STEEL MULTI-STAGE CENTRIFUGAL PUMP

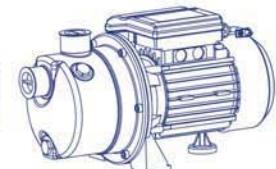
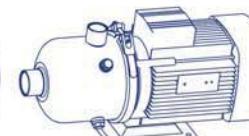
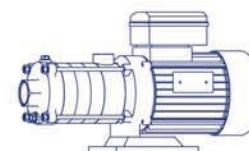
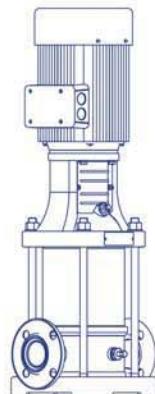


50Hz

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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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Self-Priming JET Pumps



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Horizontal Multi-Stage Centrifugal Pumps



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PLD economical vertical multistage pump



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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

BL (T) 32 - 2 - 2 - R

R:Hot water type(Cold-water is not marked)

Number of small impellers

Number of impellers

Rated flow(m³/h)

Some of the passage components are iron castings, be absent when all the flow passage components are made of stainless steel

Type range

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 buildins,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 sys tems	●	○
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:

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

Pb: 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);
 Hf: Suction pipe line loss (Value at maximum flow of corresponding pipeline);
 Hv: Medium vapour pressure, m (Medium vapour pressure at corresponding temperature, the default medium is water, as shown in figure4 on the right);
 Hs: 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.

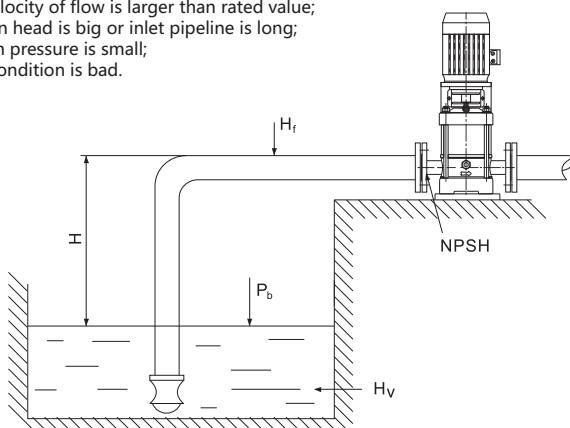


Fig. 1

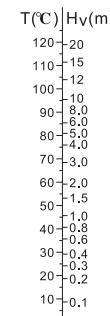


Fig. 2

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(Hf) (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.

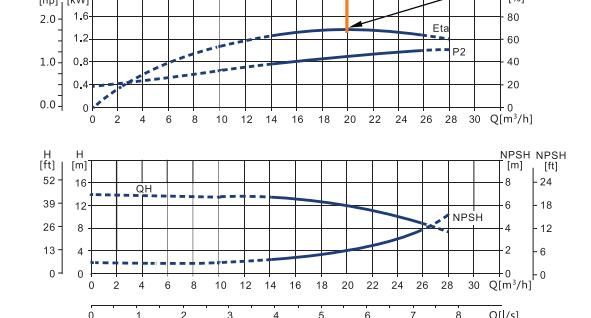
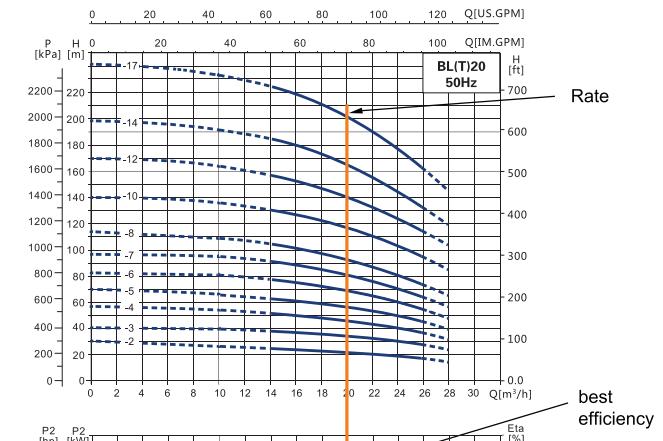
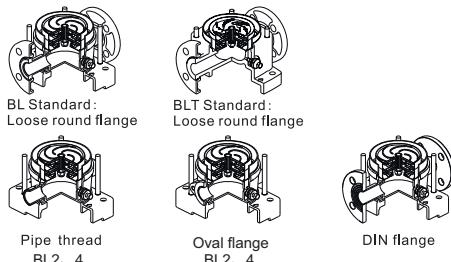


Fig. 3

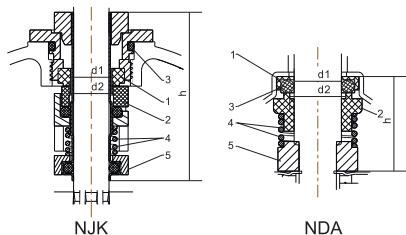
4. Pump material:

Selection of pump connection depend on the rated pressure and pipe work. the pump offer a wide range of ftxible 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

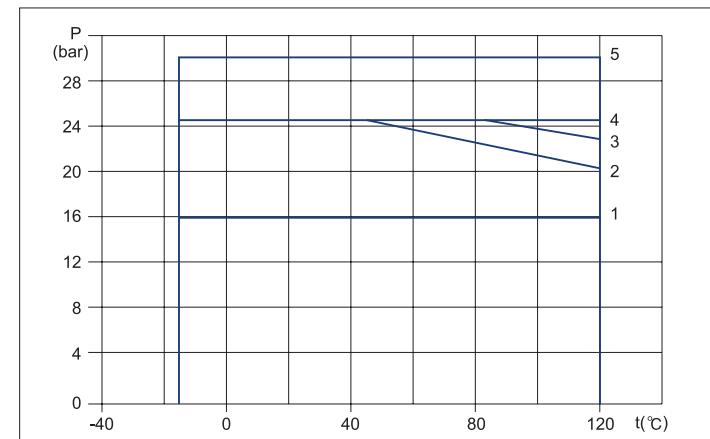
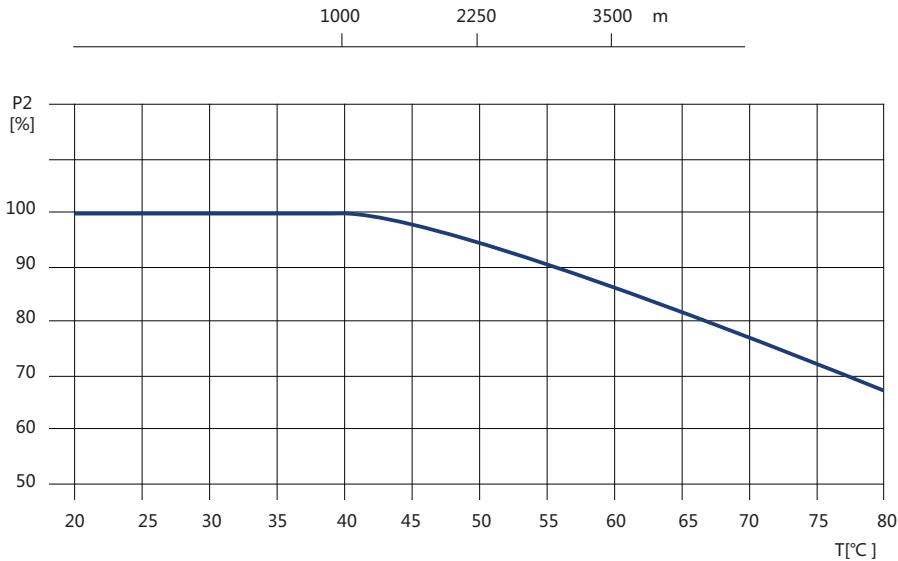


Fig. 4

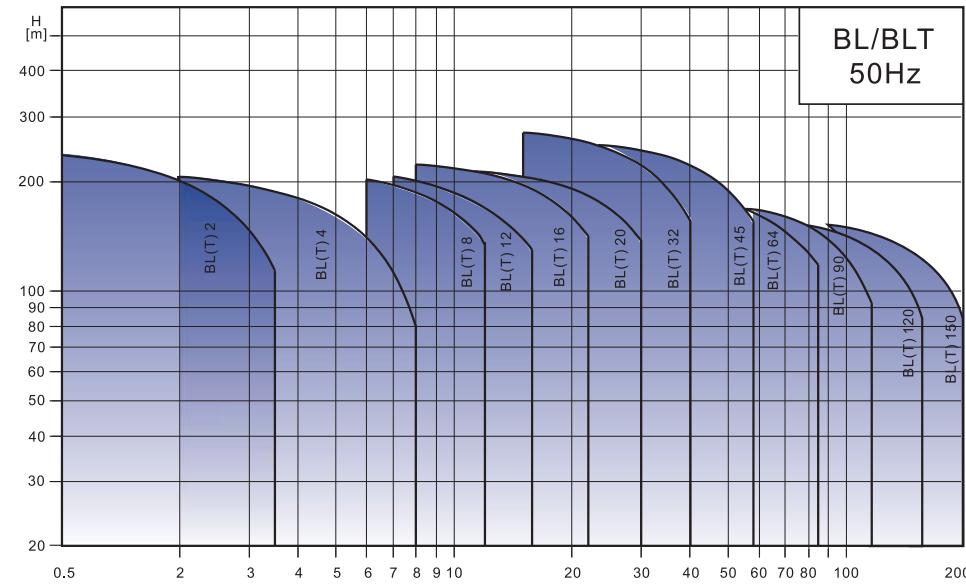
The limits of pressure and temperature are shown in the following fig.4, the pressure and temperature must be in the shown in the fig. 4.

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.



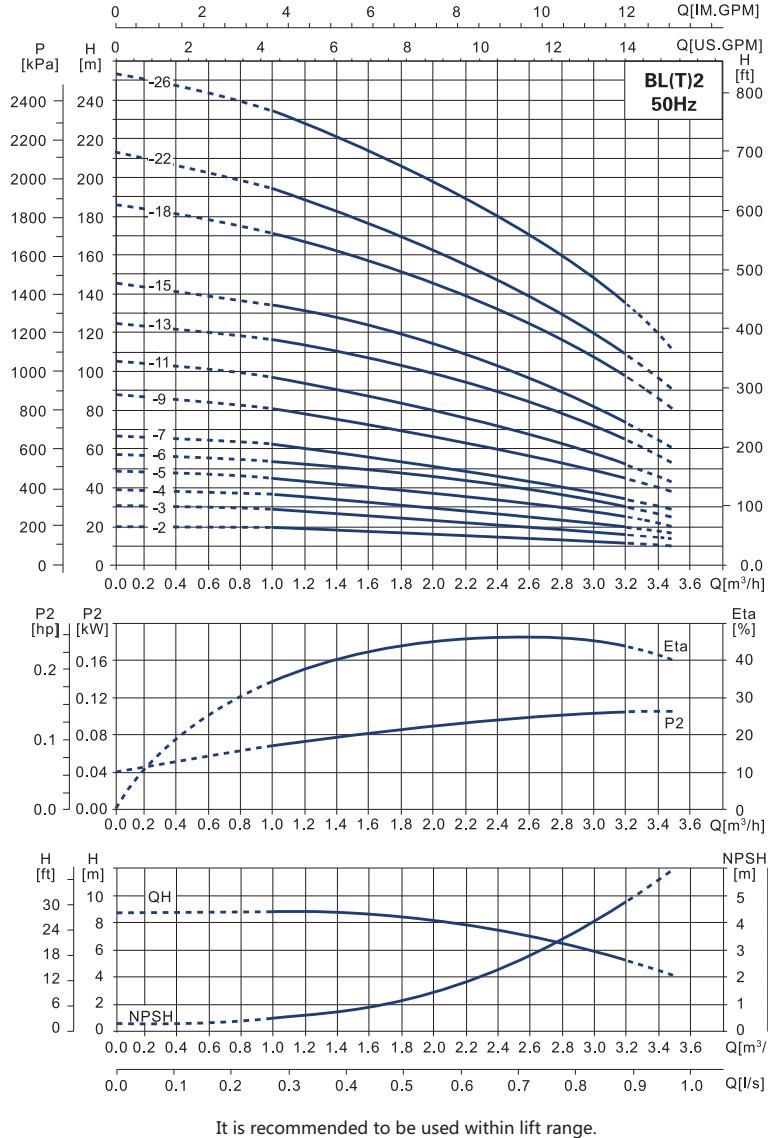
Performance Range



Product Range

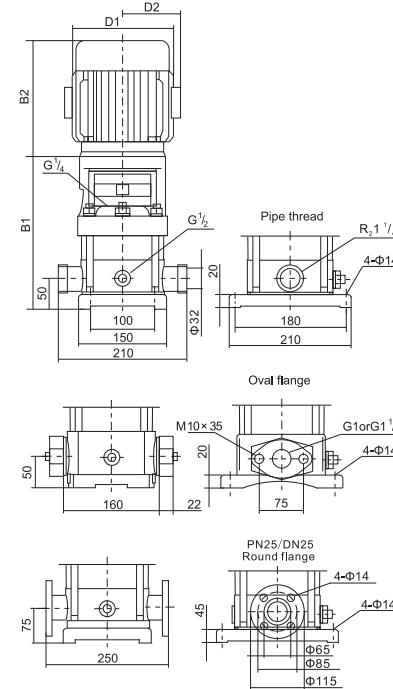
Model	BL(T)2	BL(T)4	BL(T)8	BL(T)12	BL(T)16	BL(T)20	BL(T)32	BL(T)45	BL(T)64	BL(T)90	BL(T)120	BL(T)150
Rated Flow (m³/h)	2	4	8	12	16	20	32	45	64	90	120	150
Flow Range (m³/h)	1~3.5	1.5~7	5~11	7~16	8~20	14~28	16~40	25~55	30~80	50~110	60~150	80~180
Max. Pressure (bar)	23	21	21	22	22	23	27	28	22	16	17	16
Motor 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											
Tamperature Range	Standard Type 0~+68°C											Hot Water Type 0~+120°C

Performance Curve - BL(T)2



Performance Table

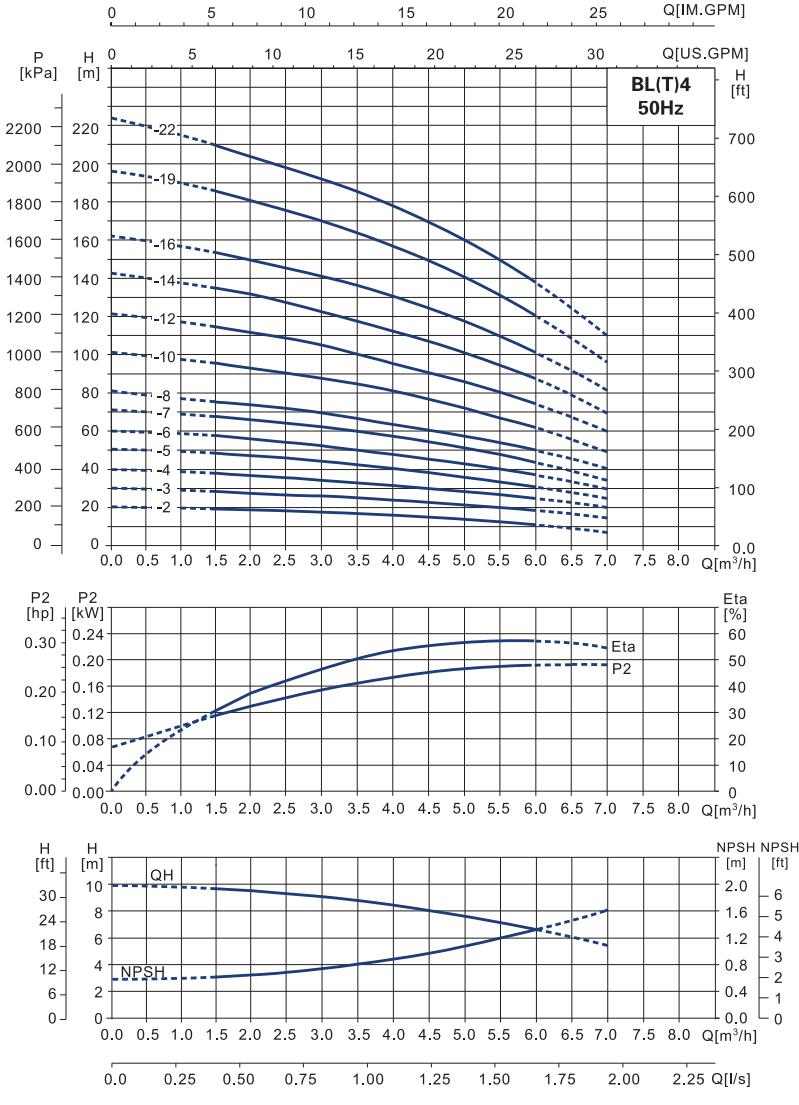
Model	Power		Caliber	Q (m³/h)	1	1.2	1.6	2	2.4	2.8	3.2	Head Range (m)
	kW	HP										
BL(T)2-2	0.37	0.5			18	17	16	15	13	12	10	10~18
BL(T)2-3	0.37	0.5			27	26	24	22	20	18	15	15~27
BL(T)2-4	0.55	0.75			36	35	33	30	26	24	20	20~36
BL(T)2-5	0.55	0.75			45	43	40	37	33	30	24	24~45
BL(T)2-6	0.75	1			53	52	50	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

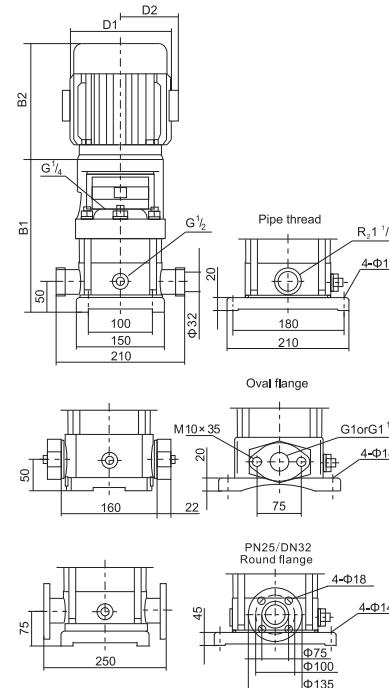
Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)2-2	278	220	498	135	86	22	26
BL(T)2-3	278	220	498	135	86	22	26
BL(T)2-4	296	220	516	135	86	24	28
BL(T)2-5	314	220	534	135	86	24	28
BL(T)2-6	340	255	595	148	96	28	32
BL(T)2-7	358	255	613	148	96	28	32
BL(T)2-9	394	255	649	148	96	31	35
BL(T)2-11	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



Performance Table

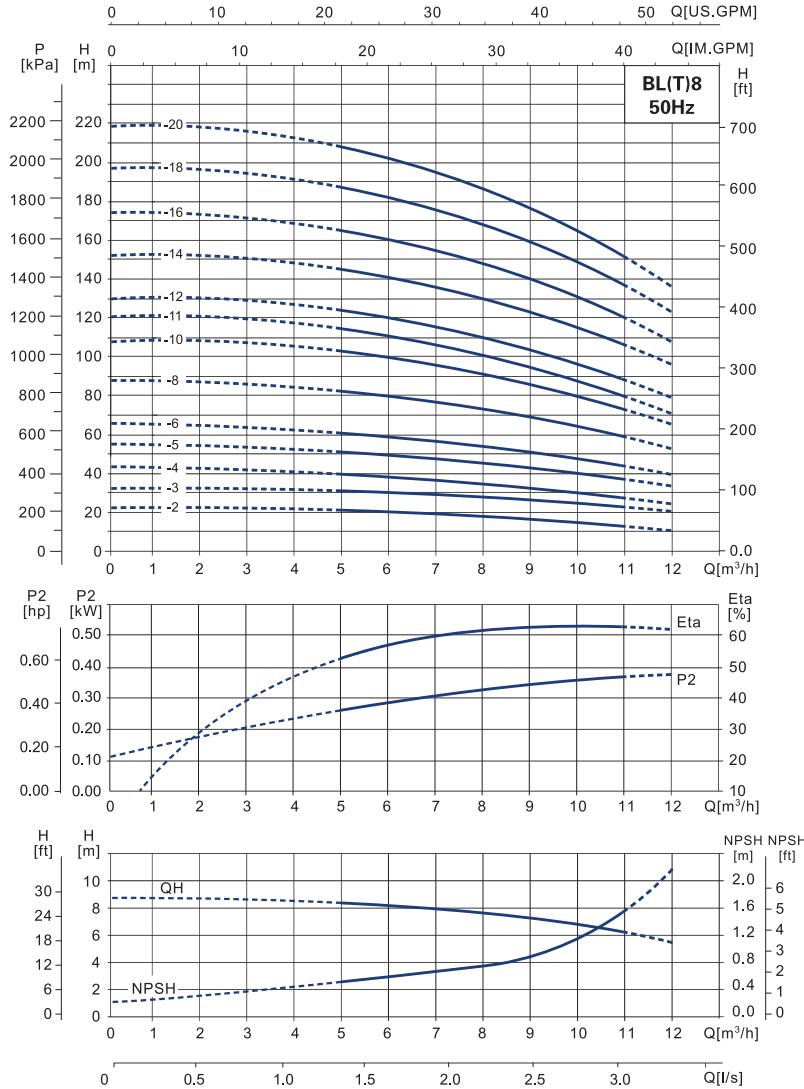
Model	Power		Caliber	Q (m³/h)	Head Range (m)					
	kW	HP			1.5	2	3	4	5	6
BL(T)4-2	0.37	0.5	32mm (1 1/4")	19	18	17	15	13	10	10~19
BL(T)4-3	0.55	0.75		28	27	26	24	20	18	18~28
BL(T)4-4	0.75	1		38	36	34	32	27	24	24~38
BL(T)4-5	1.1	1.5		47	45	43	40	34	31	31~47
BL(T)4-6	1.1	1.5		56	54	52	48	41	37	37~56
BL(T)4-7	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

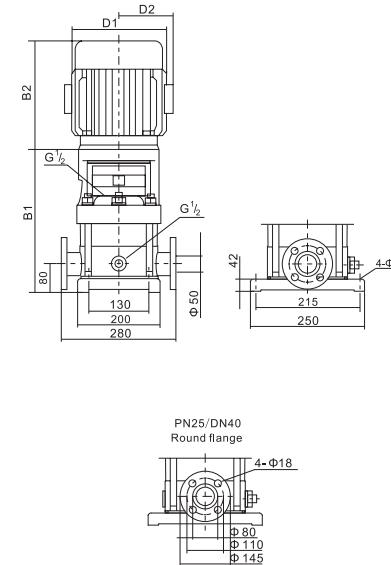
Model	Dim.(mm)						N.W.(kg)
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)4-2	278	220	498	135	86	22	28
BL(T)4-3	305	220	525	135	86	25	30
BL(T)4-4	340	255	595	148	96	28	33
BL(T)4-5	367	255	622	148	96	30	35
BL(T)4-6	394	255	649	148	96	31	36
BL(T)4-7	434	300	734	166	115	34	40
BL(T)4-8	461	300	761	166	115	35	40
BL(T)4-10	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



Performance Table

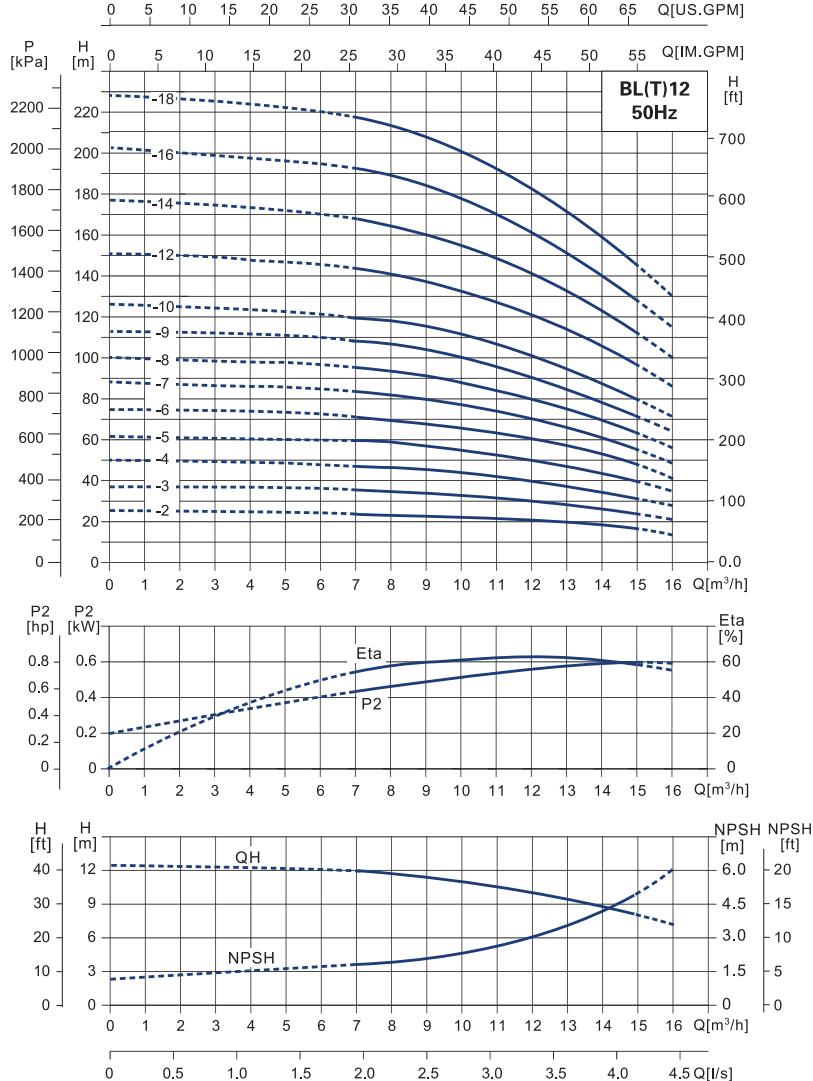
Model	Power		Caliber	Q (m³/h)	5	6	7	8	9	10	11	Head Range (m)
	kW	HP										
BL(T)8-2	0.75	1			20	19.5	19	18	17	16	14	14~20
BL(T)8-3	1.1	1.5			30	29.5	28.5	27	25	24	21	21~30
BL(T)8-4	1.5	2			41	39.5	38	36	34	32	28	28~41
BL(T)8-5	2.2	3			52	50	48	45	42	40	36	36~52
BL(T)8-6	2.2	3			62	60	57	54	51	48	43	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

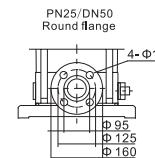
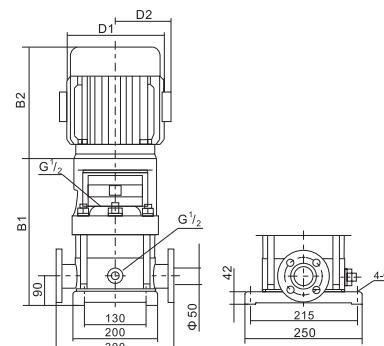
Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)8-2	365	255	620	155	96	36	43
BL(T)8-3	395	255	650	155	96	38	45
BL(T)8-4	430	300	730	175	115	42	49
BL(T)8-5	460	300	760	175	115	46	53
BL(T)8-6	490	300	790	175	115	47	54
BL(T)8-8	560	325	885	191	128	55	63
BL(T)8-10	620	355	975	212	140	65	72
BL(T)8-11	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



Performance Table

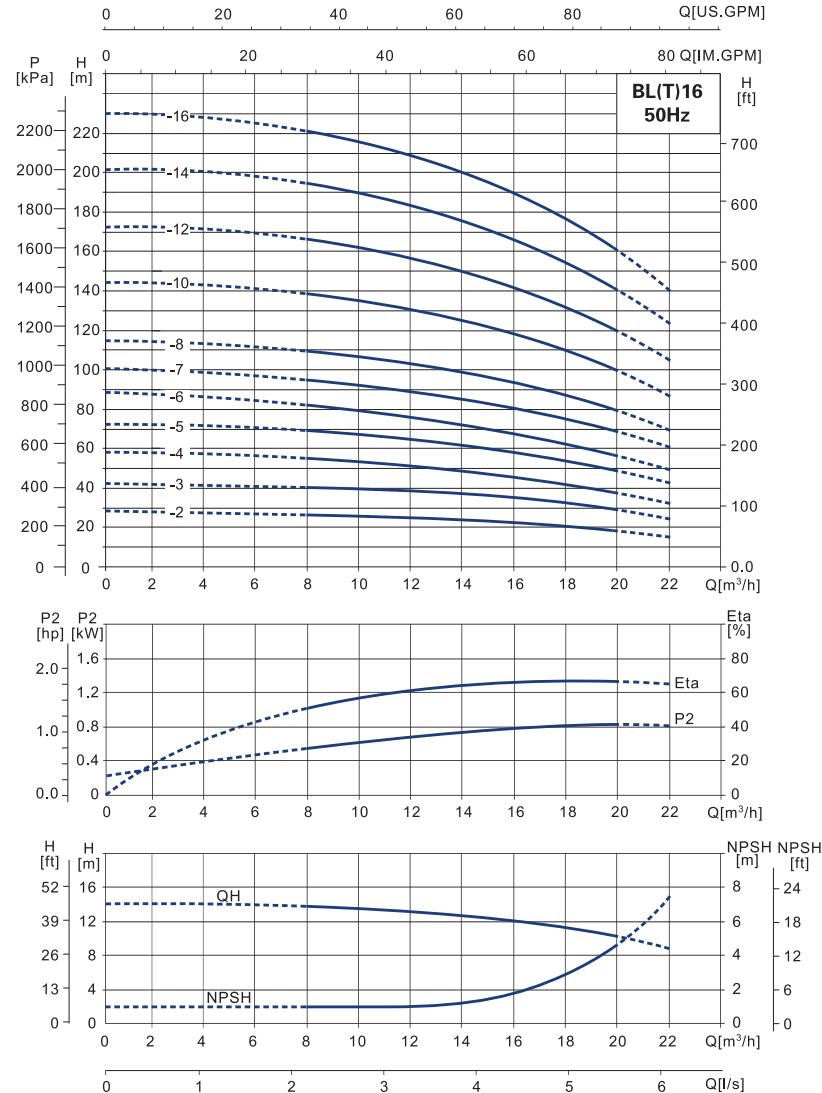
Model	Power		Caliber	Q (m³/h)	7	8	10	12	14	15	Head Range (m)
	kW	HP									
BL(T)12-2	1.5	2			23.5	23	22	20	17	15	15~23.5
BL(T)12-3	2.2	3			35.5	35	33	30	26	23	23~35.5
BL(T)12-4	3	4			47	46	44	40	34	31	31~47
BL(T)12-5	3	4			59.5	58	55	50	43	39	39~59.5
BL(T)12-6	4	5.5			71.5	70	66	60	52	47	47~71.5
BL(T)12-7	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

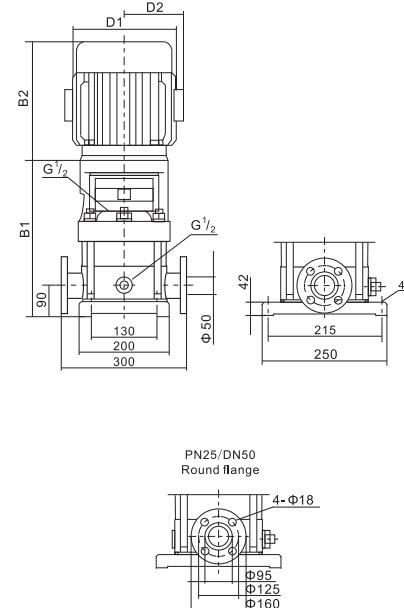
Performance Curve - BL(T)16



It is recommended to be used within lift range.

Performance Table

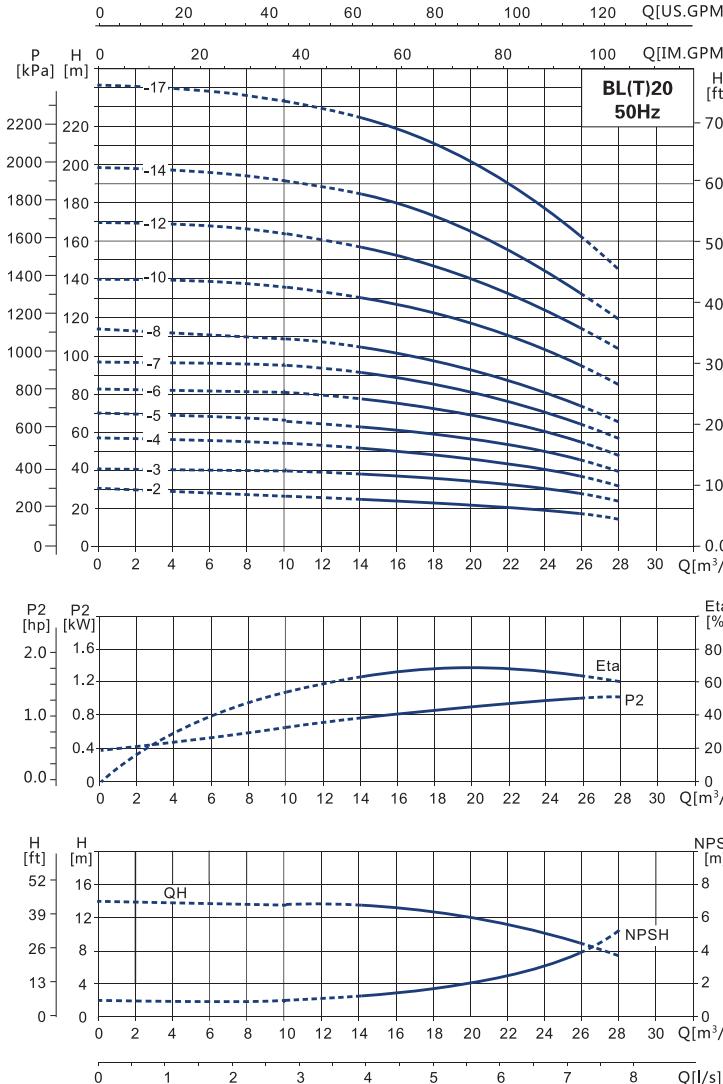
Model	Power		Caliber	Q (m³/h)	Head Range (m)							
	kW	HP			8	10	12	14	16	18	20	22
BL(T)16-2	2.2	3			27	26	25	24	22	21	19	19~27
BL(T)16-3	3	4			41	40	38	37	34	32	29	29~41
BL(T)16-4	4	5.5			54	53	52	49	46	43	38	38~54
BL(T)16-5	5.5	7.5			68	67	65	62	58	54	48	48~68
BL(T)16-6	5.5	7.5			82	80	78	74	70	64	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

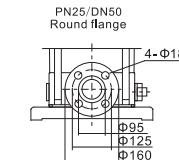
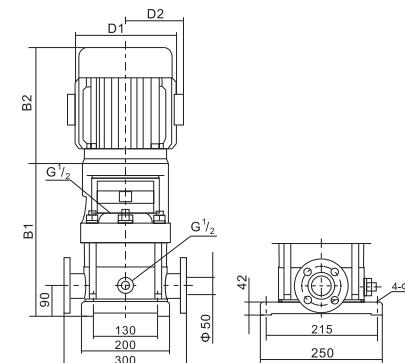
Performance Curve - BL(T)20



It is recommended to be used within lift range.

Performance Table

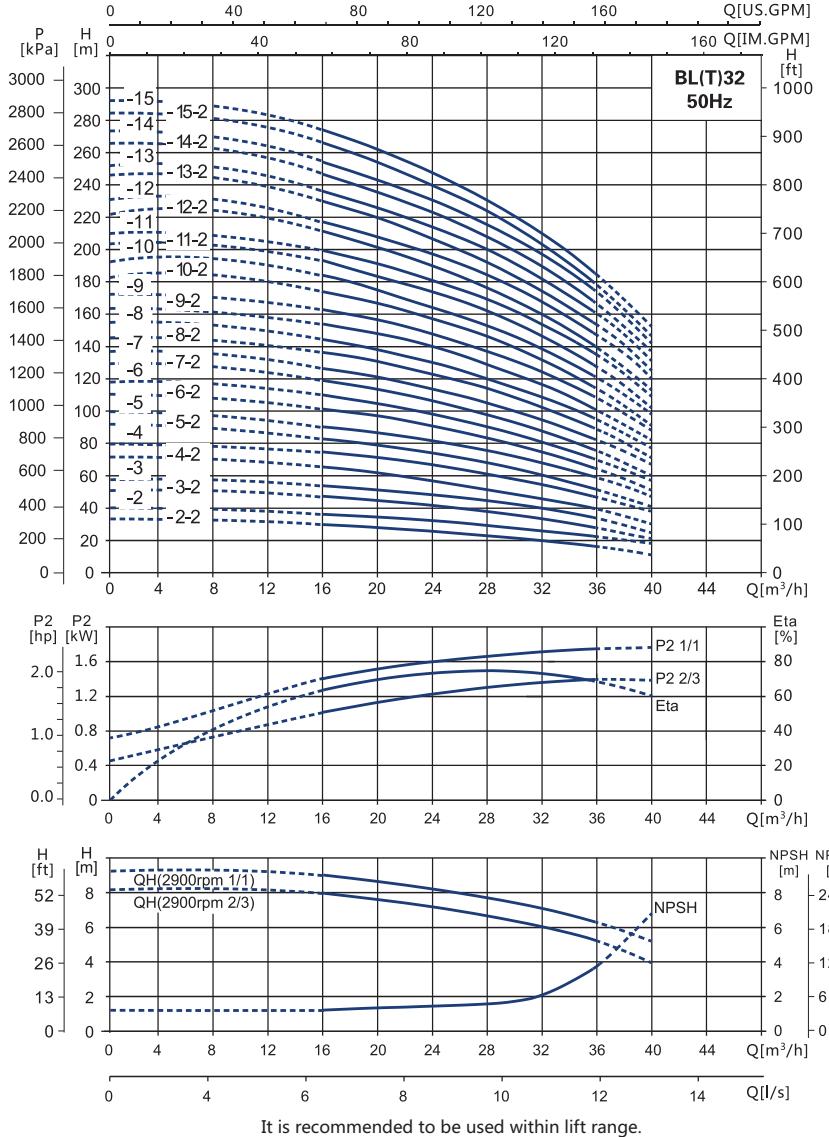
Model	Power		Caliber	Q (m³/h)	Head Range (m)							
	kW	HP			14	16	18	20	22	24	26	
BL(T)20-2	2.2	3			26	25	24	23	22	20	18	18~26
BL(T)20-3	4	5.5			39	38	37	35	33	30	27	27~39
BL(T)20-4	5.5	7.5			52	51	49	47	44	41	37	37~52
BL(T)20-5	5.5	7.5			64	62	60	58	55	50	45	45~64
BL(T)20-6	7.5	10			77	75	73	70	66	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

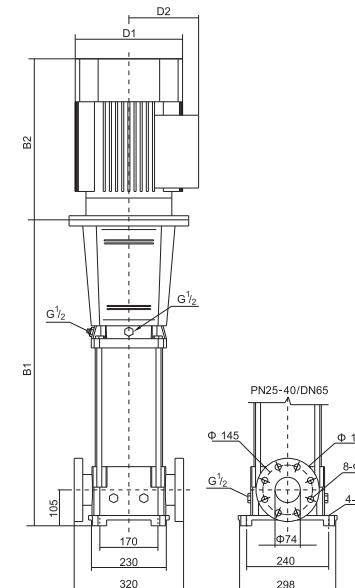


Performance Table

Model	Power		Caliber	Q (m³/h)	16	20	24	28	32	36	Head Range (m)
	kW	HP									
BL(T)32-2-2	3	4			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

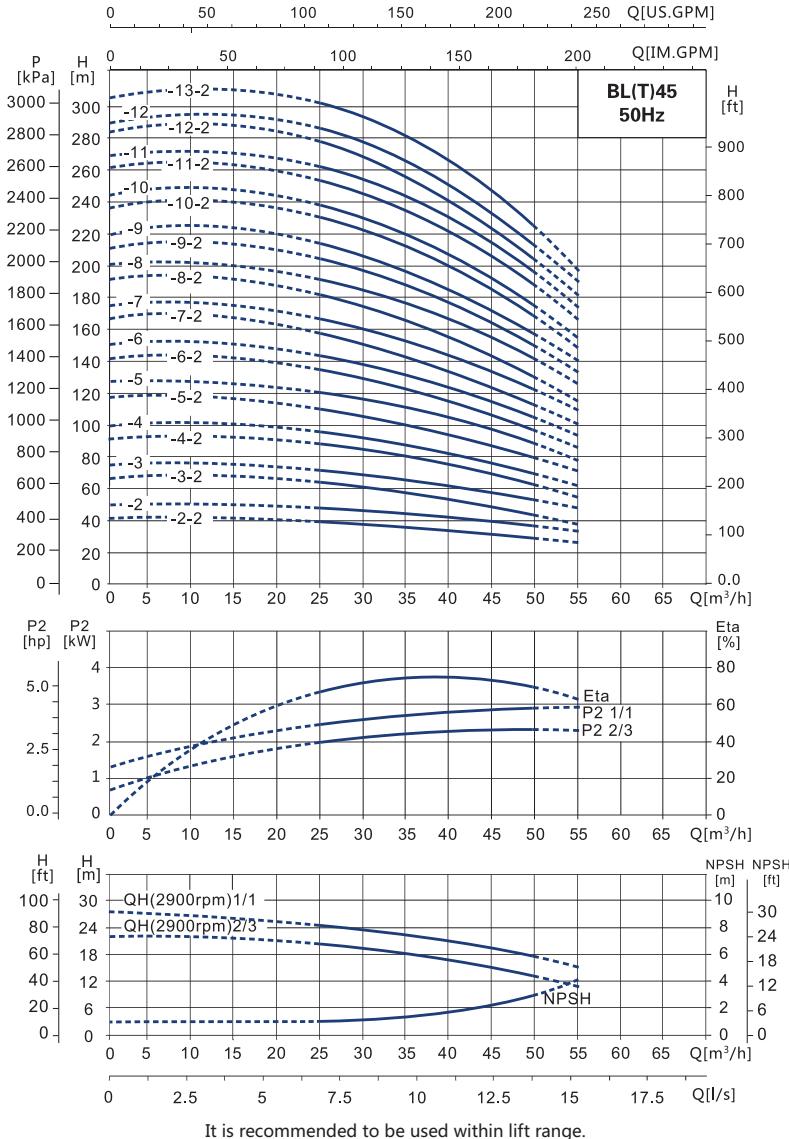
H (m)
74mm
(3')

Dimensions & Weight



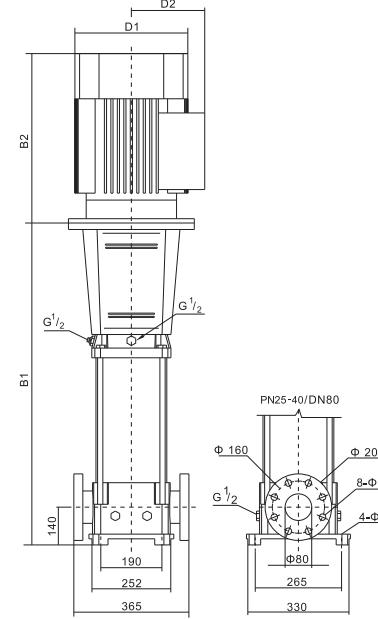
Model	Dim.(mm)				N.W.(kg)		
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)32-2-2	634	325	959	191	140	74	78
BL(T)32-2	634	355	989	212	163	81	85
BL(T)32-3-2	724	395	1119	258	163	100	104
BL(T)32-3	724	395	1119	258	163	100	104
BL(T)32-4-2	794	395	1189	258	163	106	110
BL(T)32-4	794	395	1189	258	163	106	110
BL(T)32-5-2	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



Performance Table

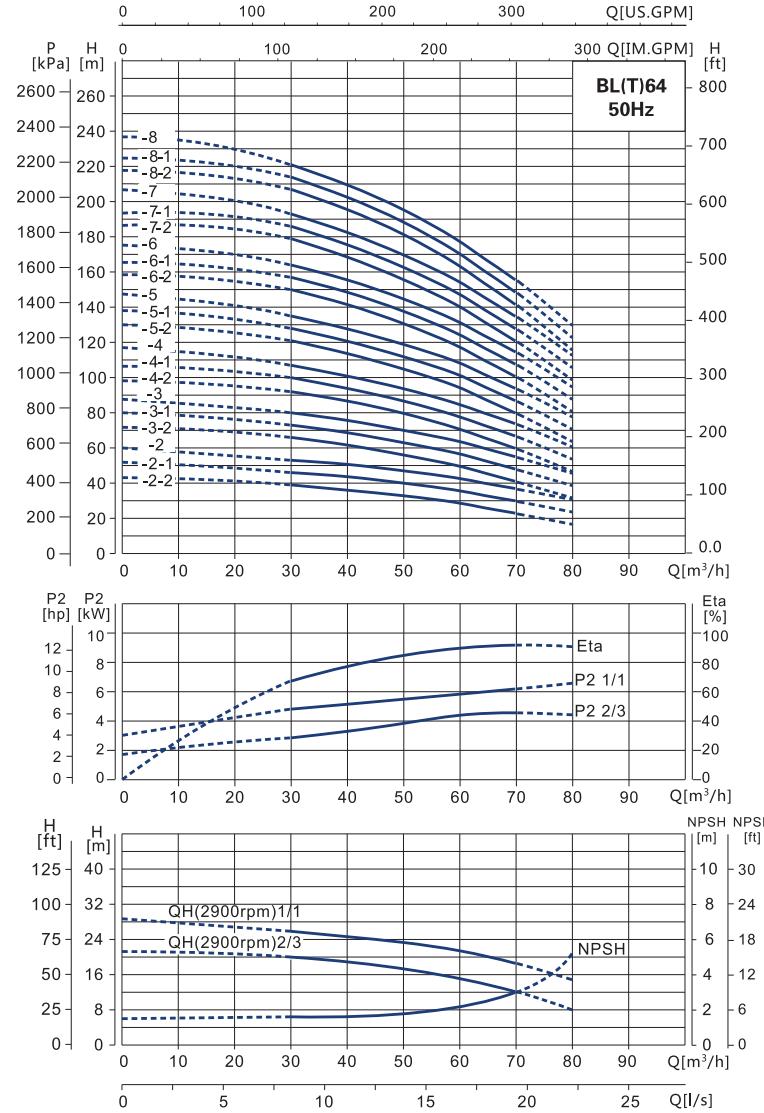
Model	Power		Caliber	Q (m³/h)	25	30	35	40	45	50	Head Range (m)
	kW	HP									
BL(T)45-2-2	5.5	7.5			40	38	36	33	30	27	27~40
BL(T)45-2	7.5	10			48	46	44	42	39	35	35~48
BL(T)45-3-2	11	15			63	61	58	54	50	44	44~63
BL(T)45-3	11	15			71	69	66	63	58	53	53~71
BL(T)45-4-2	15	20			87	84	80	75	69	62	62~87
BL(T)45-4	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

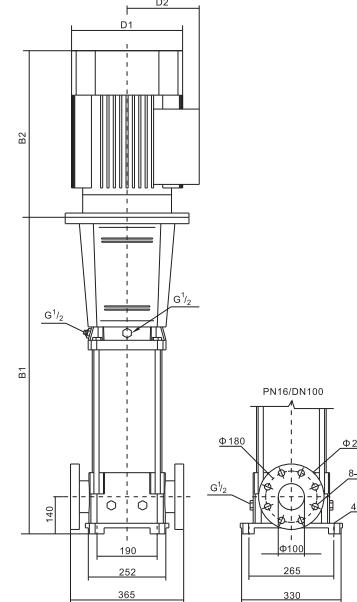
Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)45-2-2	716	395	1111	258	163	109	117
BL(T)45-2	716	395	1111	258	163	113	121
BL(T)45-3-2	826	498	1324	315	251	190	197
BL(T)45-3	826	498	1324	315	251	190	197
BL(T)45-4-2	906	498	1404	315	251	204	211
BL(T)45-4	906	498	1404	315	251	204	211
BL(T)45-5-2	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		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

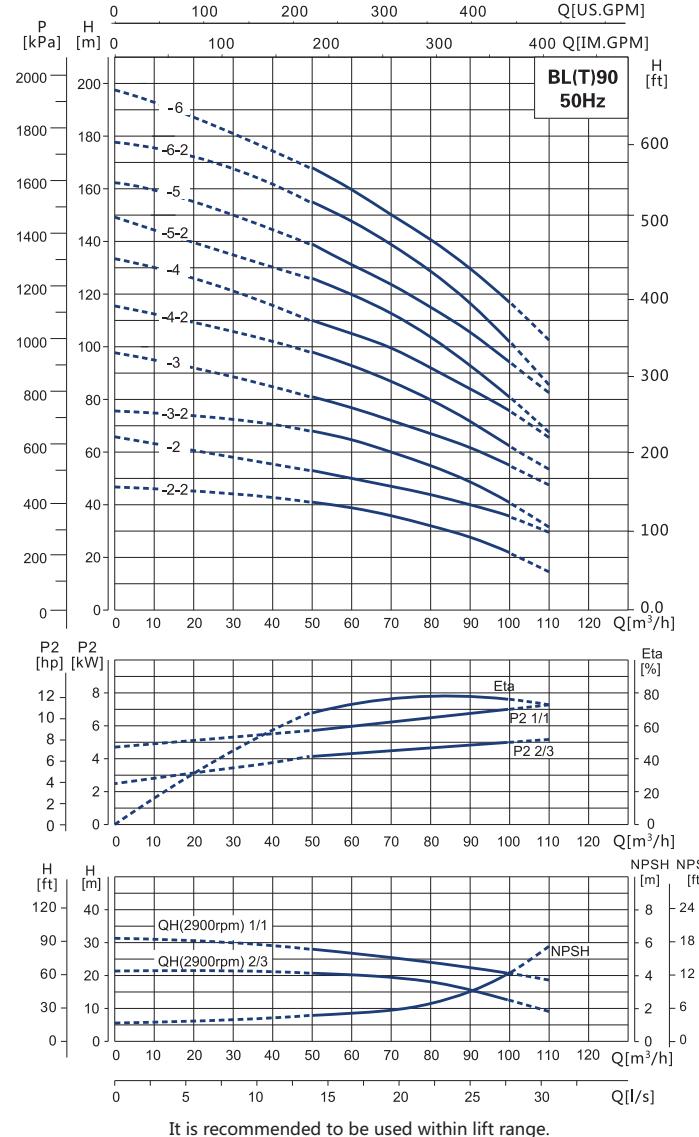


PN25-40/DN100 standard flange, on request.

Dimensions & Weight

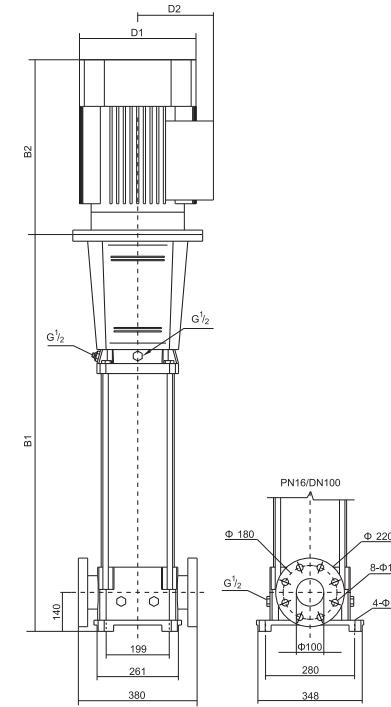
Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)64-2-2	685	390	1075	258	163	133	141
BL(T)64-2-1	715	498	1213	315	251	197	204
BL(T)64-2	715	498	1213	315	251	197	204
BL(T)64-3-2	825	498	1323	315	251	210	218
BL(T)64-3-1	825	498	1323	315	251	210	218
BL(T)64-3	825	542	1367	315	251	227	235
BL(T)64-4-2	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



Performance Table

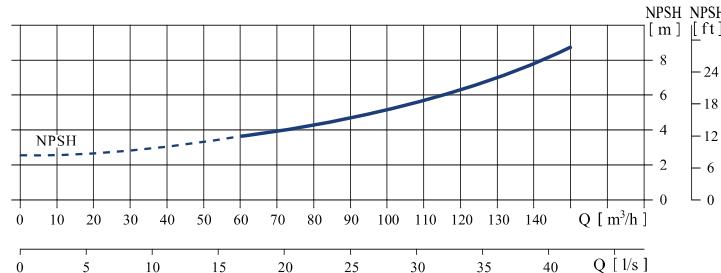
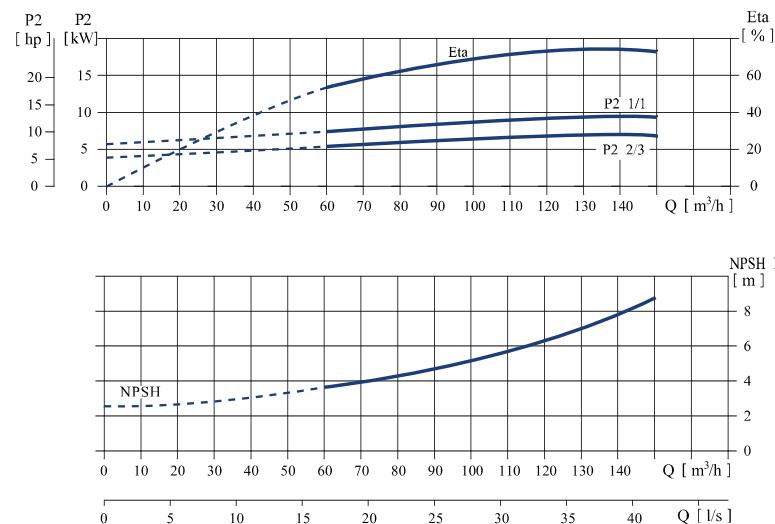
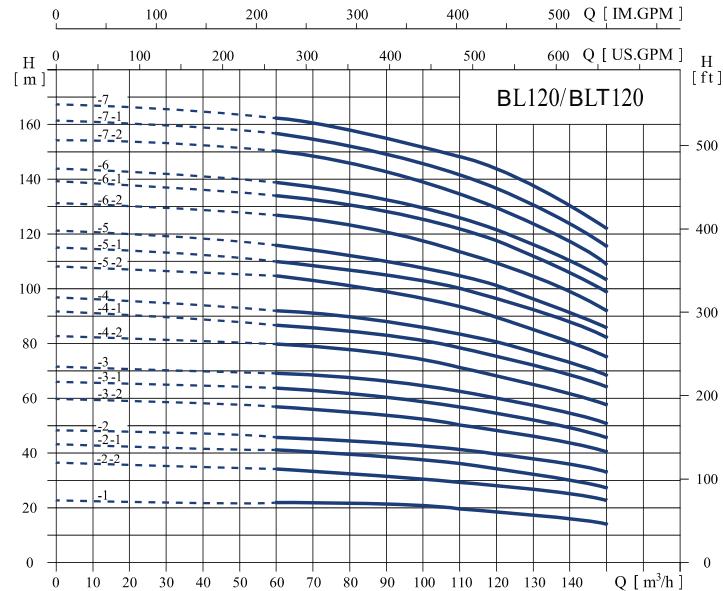
Model	Power		Caliber	Q (m³/h)	Head Range (m)					
	kW	HP			50	60	70	80	90	100
BL(T)90-2-2	11	15	100mm (4')	H (m)	41	39	36	32	28	22
BL(T)90-2	15	20			53	50	47	44	40	36
BL(T)90-3-2	18.5	25			68	65	60	55	49	41
BL(T)90-3	22	30			81	77	72	67	62	55
BL(T)90-4-2	30	40			98	93	87	80	72	62
BL(T)90-4	30	40			110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



PN25-40/DN100 standard flange, on request.

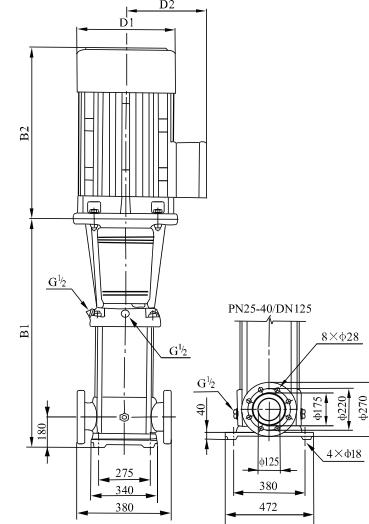
Dimensions & Weight

Model	Dim.(mm)					N.W.(kg)	
	B1	B2	B1+B2	D1	D2	BL	BLT
BL(T)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



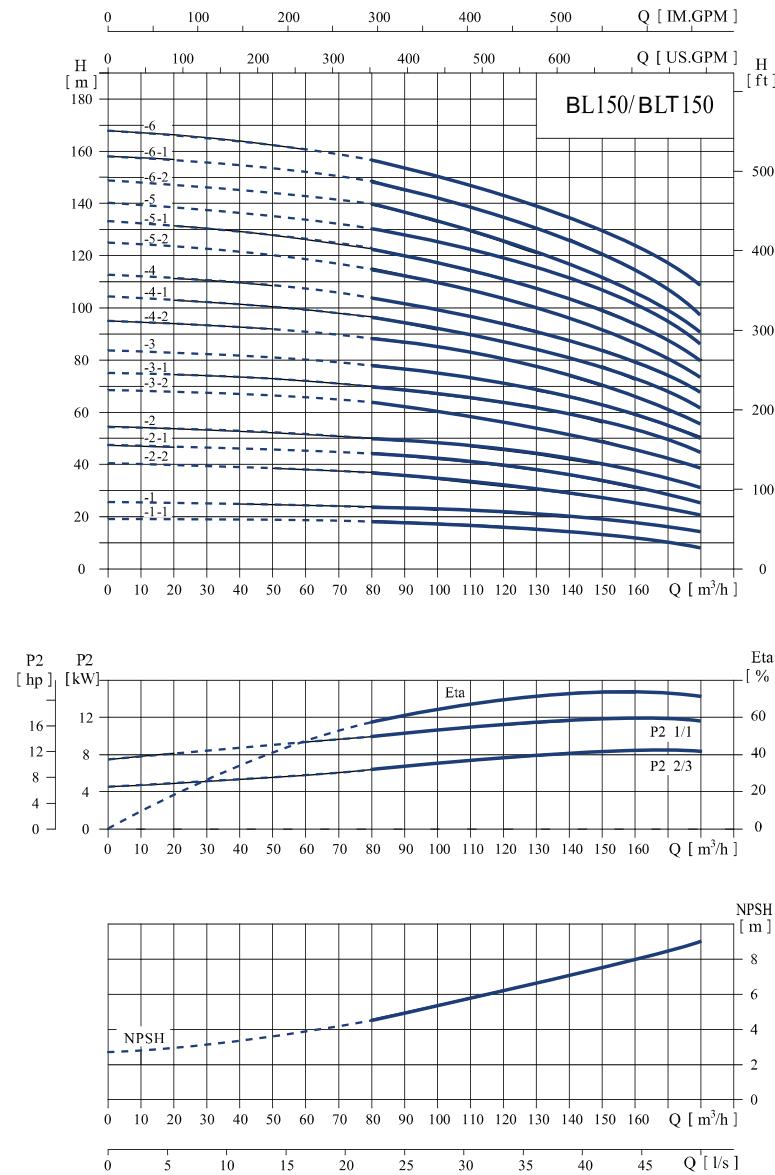
Performance Table

Model	Power		Q (m³/h)	Head Range (m)									
	kW	HP		60	70	80	90	100	110	120	130	140	150
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



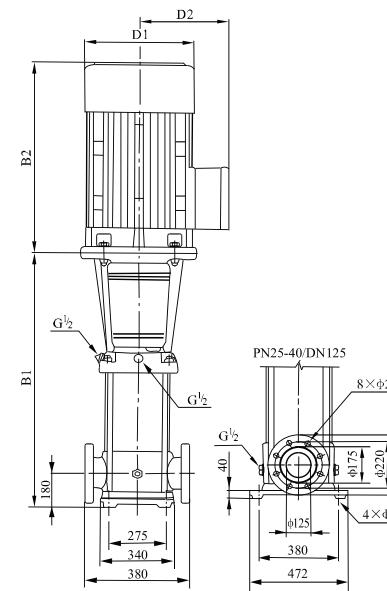
Dimensions & Weight

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)	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	14.5	142	139.5	137	130	123.5	116	109	109-157	

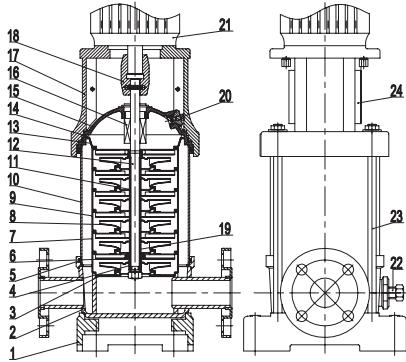


Dimensions & Weight

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

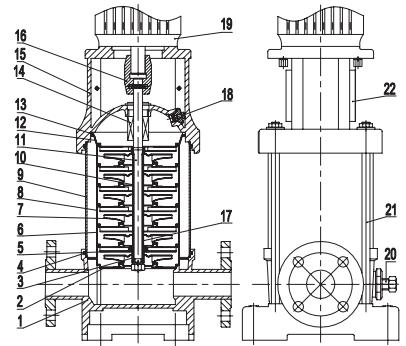
Components & Materials

BL2 BL4



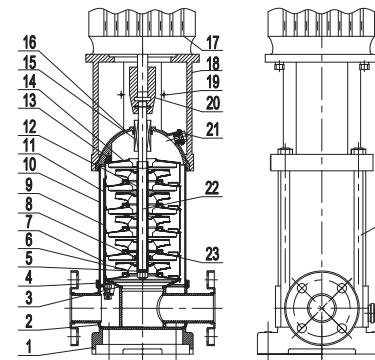
No.	Component	Material	AISI/ASTM
1	Base Plate	HT200	ASTM35B
2	Pump Base	SUS304	AISI304
3	Inlet Fluid Director	SUS304	AISI304
4	Lining	SUS304	AISI304
5	O-ring	FPM	
6	Bearing	YG 8	
7	Fluid Director With Bearings	SUS304	AISI304
8	Impeller	SUS304	AISI304
9	Fluid Director	SUS304	AISI304
10	Outer Cylinder	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



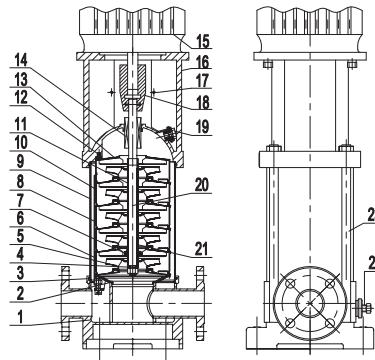
No.	Component	Material	AISI/ASTM
1	Pump Base	HT200	ASTM35B
2	Inlet Fluid Director	SUS304	AISI304
3	Lining	SUS304	AISI304
4	O-ring	FPM	
5	Bearing	YG8	
6	Fluid Director With Bearings	SUS304	AISI304
7	Impeller	SUS304	AISI304
8	Fluid Director	SUS304	AISI304
9	Outer Cylinder	SUS304	AISI304
10	Long Round Sleeve	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



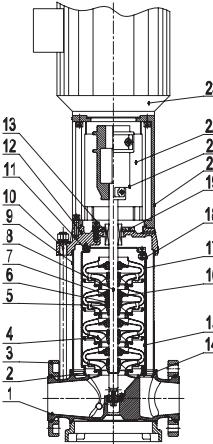
No.	Component	Material	AISI/ASTM
1	Base Plate	HT200	ASTM35B
2	Pump Base	SUS304	AISI304
3	Inlet Fluid Director	SUS304	AISI304
4	O-ring	FPM	
5	Lining	SUS304	AISI304
6	Impeller	SUS304	AISI304
7	Fluid Director With Bearings	SUS304	AISI304
8	Bearing	YG8	
9	Fluid Director	SUS304	AISI304
10	Outer Cylinder	SUS304	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	AISI304
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	AISI304
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	Nut 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	595x285x380	28	33	BL(T)8-2	43	50
BL(T)2-3		27	31	BL(T)4-3	625x285x360	30	35	BL(T)8-3	45	52
BL(T)2-4	625x285x360	29	33	BL(T)4-4	725x285x375	34	39	BL(T)8-4	50	57
BL(T)2-5		30	34	BL(T)4-5		36	41	BL(T)8-5	54	61
BL(T)2-6	725x285x375	33	38	BL(T)4-6	785x285x375	37	42	BL(T)8-6	55	62
BL(T)2-7		34	38	BL(T)4-7	845x285x385	40	46	BL(T)8-8	65	72
BL(T)2-9	785x285x375	37	41	BL(T)4-8		41	47	BL(T)8-10	76	82
BL(T)2-11		38	42	BL(T)4-10	885x285x385	45	51	BL(T)8-11	77	84
BL(T)2-13	845x285x385	41	46	BL(T)4-12	935x285x385	47	52	BL(T)8-12	96	103
BL(T)2-15	885x285x385	43	47	BL(T)4-14	1045x290x385	55	60	BL(T)8-14	98	106
BL(T)2-18	935x285x385	47	51	BL(T)4-16	1135x290x385	57	62	BL(T)8-16	101	109
BL(T)2-22	1045x290x385	49	54	BL(T)4-19	1205x315x390	66	71	BL(T)8-18	108	116
BL(T)2-26	1135x290x385	58	62	BL(T)4-22	1285x315x390	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	69	76
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	1175x400x490	91	99
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	97	107
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	179	188
BL(T)12-10	1265x400x490	99	108	BL(T)16-12	1515x520x560	182	191	BL(T)20-12	1515x520x560	194	202
BL(T)12-12		101	110	BL(T)16-14	1605x520x560	197	204	BL(T)20-14	1605x520x560	198	206
BL(T)12-14	1425x520x560	178	187	BL(T)16-16	1695x520x560	200	208	BL(T)20-17	1805x520x560	221	231
BL(T)12-16	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)45-2		141	149	BL(T)64-2-1		225	232
BL(T)32-3-2	1285x425x512	116	117	BL(T)45-3		223	230	BL(T)64-3-2		243	251
BL(T)32-4		122	123	BL(T)45-3-1		237	244	BL(T)64-3-3		260	268
BL(T)32-5	1565x485x562	204	208	BL(T)45-4		237	244	BL(T)64-4		264	272
BL(T)32-6		208	212	BL(T)45-5		204	208	BL(T)64-4-1		272	280
BL(T)32-7	1715x485x562	222	226	BL(T)45-5-2		208	212	BL(T)64-4-2		307	315
BL(T)32-8		230	233	BL(T)45-6		222	226	BL(T)64-5		387	394
BL(T)32-9	1715x485x562	251	254	BL(T)45-6-2		222	226	BL(T)64-5-1		393	401
BL(T)32-10		251	254	BL(T)45-6-3		222	226	BL(T)64-5-2		415	423
BL(T)32-10-2	1895x485x562	255	258	BL(T)45-7		222	226	BL(T)64-6		430	438
BL(T)32-11		255	258	BL(T)45-7-2		222	226	BL(T)64-7		489	497
BL(T)32-12	2085x545x612	305	307	BL(T)45-8		222	226	BL(T)64-7-1		494	501
BL(T)32-12		309	310	BL(T)45-9		222	226	BL(T)64-8			
BL(T)32-13	2215x595x662	390	391	BL(T)45-9-2		222	226	BL(T)64-8-1			
BL(T)32-13		390	391	BL(T)45-10		222	226	BL(T)64-9			
BL(T)32-14	2365x645x712	394	394	BL(T)45-11		222	226	BL(T)64-9-1			
BL(T)32-15		398	398	BL(T)45-12		222	226	BL(T)64-9-2			
BL(T)32-15	2425x645x712	509	517	BL(T)45-12-2		222	226	BL(T)64-9-3			
BL(T)32-15-2		509	517	BL(T)45-13		222	226	BL(T)64-10			
BL(T)32-15-2	2425x645x712	509	517	BL(T)45-13-2		222	226	BL(T)64-10-1			
BL(T)32-15-2		509	517	BL(T)45-14		222	226	BL(T)64-10-2			
BL(T)32-15-2	2425x645x712	509	517	BL(T)45-14-2		222	226	BL(T)64-10-3			
BL(T)32-15-2		509	517	BL(T)45-15		222	226	BL(T)64-11			
BL(T)32-15-2	2425x645x712	509	517	BL(T)45-15-2		222	226	BL(T)64-11-1			
BL(T)32-15-2		509	517	BL(T)45-16		222	226	BL(T)64-11-2			
BL(T)32-15-2	2425x645x712	509	517	BL(T)45-16-2		222	226	BL(T)64-11-3			
BL(T)32-15-2		509	517	BL(T)45-17		222	226	BL(T)64-12			
BL(T)32-15-2	2425x645x712	509	517	BL(T)45-17-2		222	226	BL(T)64-12-1			
BL(T)32-15-2		509	517	BL(T)45-18		222	226	BL(T)64-12-2			
BL(T)32-15-2	2425x645x712	509	517	BL(T)45-18-2		222	226	BL(T)64-12-3			
BL(T)32-15-2		509	517	BL(T)45-19		222	226	BL(T)64-13			
BL(T)32-15-2	2425x645x712	509	517	BL(T)45-19-2		222	226	BL(T)64-13-1			
BL(T)32-15-2		509	517	BL(T)45-20		222	226	BL(T)64-13-2			
BL(T)32-15-2	2425x645x712	509	517	BL(T)45-20-2		222	226	BL(T)64-13-3			
BL(T)32-15-2		509	517	BL(T)45-21		222	226	BL(T)64-14			
BL(T)32-15-2	2425x645x712	509	517	BL(T)45-21-2		222	226	BL(T)64-14-1			
BL(T)32-15-2		509	517	BL(T)45-22		222	226	BL(T)64-14-2			
BL(T)32-15-2	2425x645x712	509	517	BL(T)45-22-2		222	226	BL(T)64-14-3			
BL(T)32-15-2		509	517	BL(T)45-23		222	226	BL(T)64-15			
BL(T)32-15-2	2425x645x712	509	51								

Shaft



Lining



Bearing inner



Cartridge mechanical seal



Coupling



Shaft sleeve



Round sleeve



Base plate



Pump base



Fluid director



Pump head



Motor base



Impeller



ADELINO
WATER PUMPS

AQUANOMICS



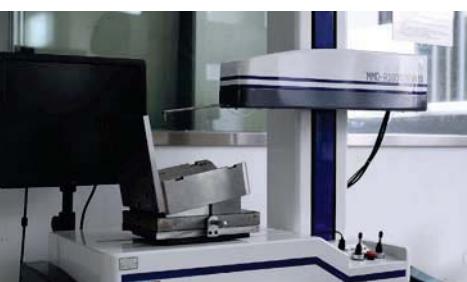

wita factory in Germany

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