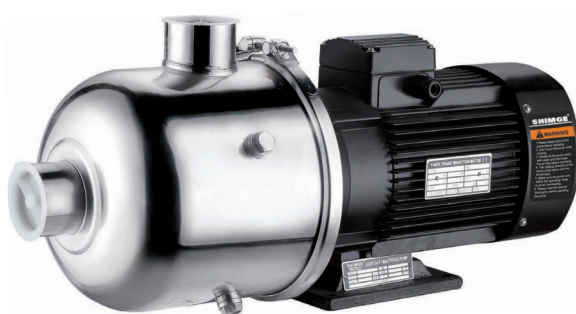


Horizontal Multi-Stage Centrifugal Pumps

CATALOGUE FOR 50Hz

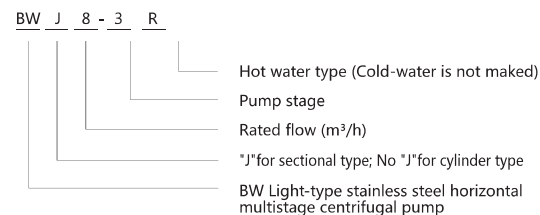


BW



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℃ , hot water type 0 ~ +120℃
- ⊗ Maximum ambient temperature: +40 ℃
- ⊗ Maximum working pressure: 10 bar
- ⊗ When the density or viscosity of the transmission medium exceeds that of water, it is necessary to select a driving 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 |

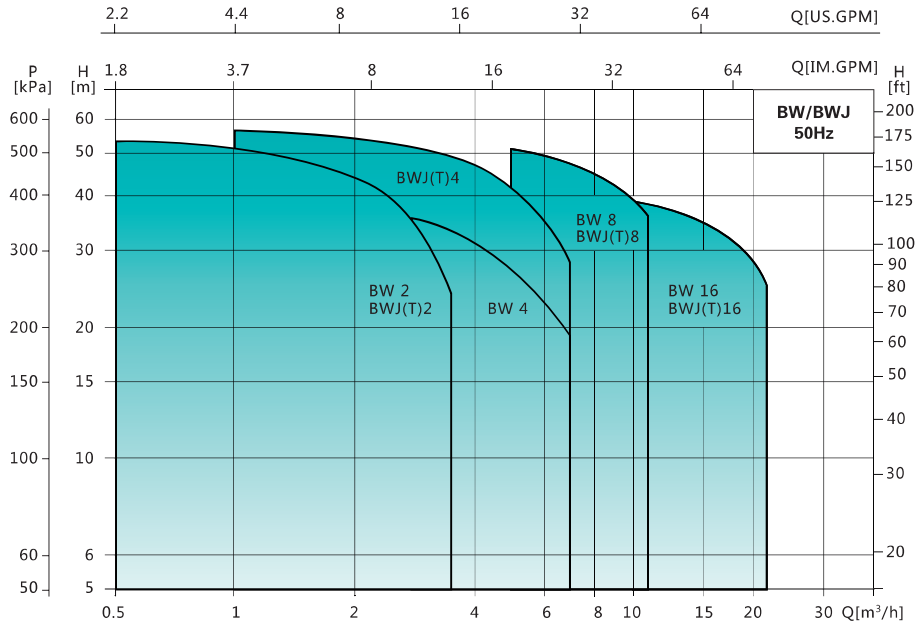
Certificate



Optional Available On Request

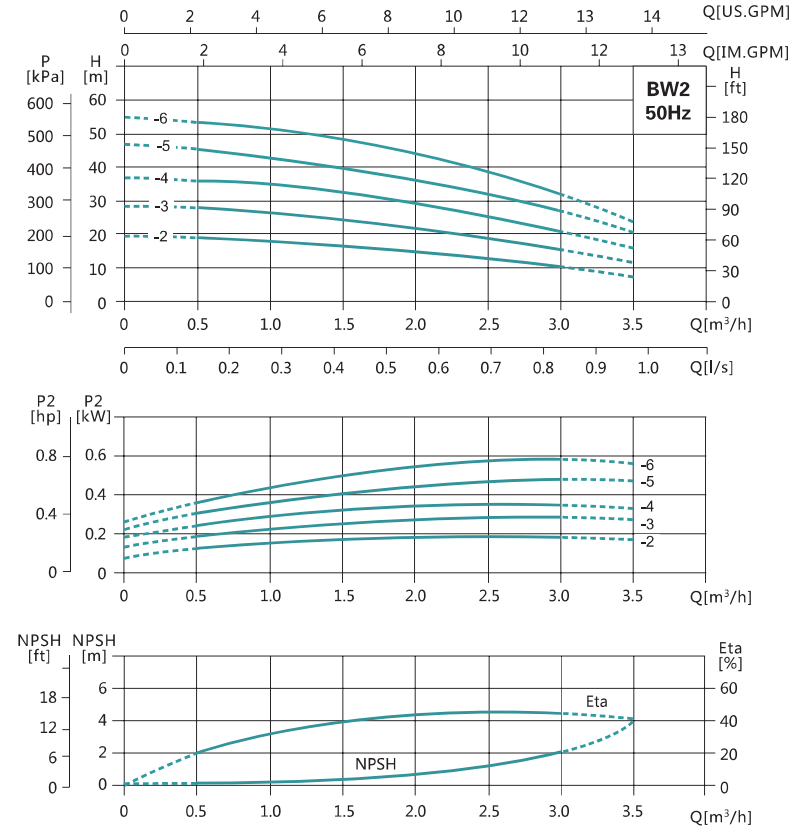
- ⊗ Full-enclosed and ventilating two-pole standard motor
- ⊗ Protection class: IP55
- ⊗ Insulation class: F
- ⊗ Standard voltage (50Hz): Single phase 220V
Three phase:380V or 220V

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	1~6	5~10	8~20	5~10	8~20
Max.Pressure(bar)	5.5	4	5	4	5	4
Motor Power(kW)	0.37~0.75	0.55~1.1	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		

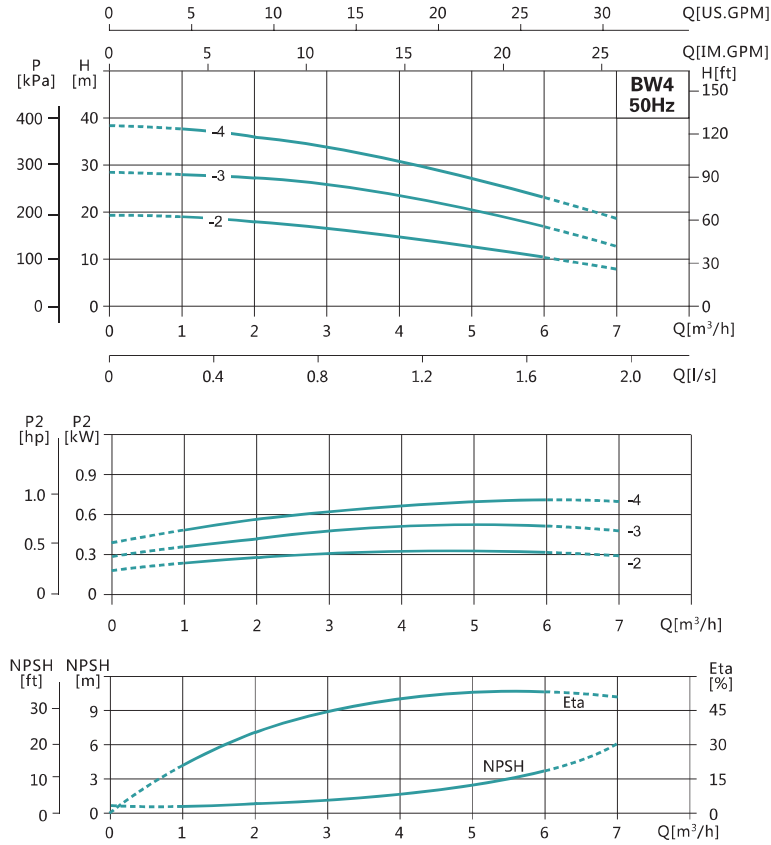
Performance Details-BW2



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	30	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	45	39	32	32~53.5

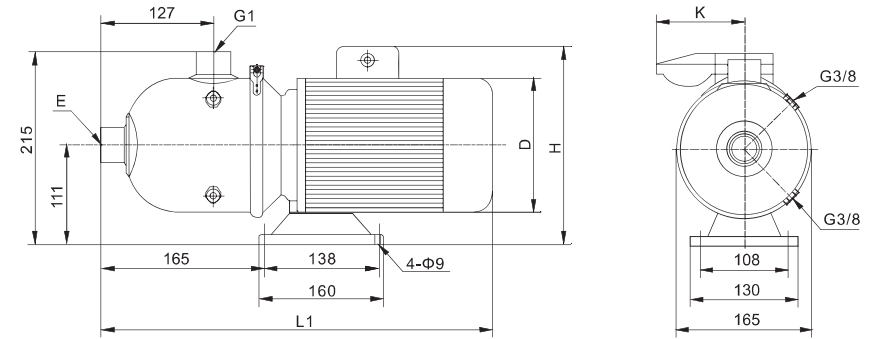
Performance Details-BW4



It is recommended to be used within lift range.

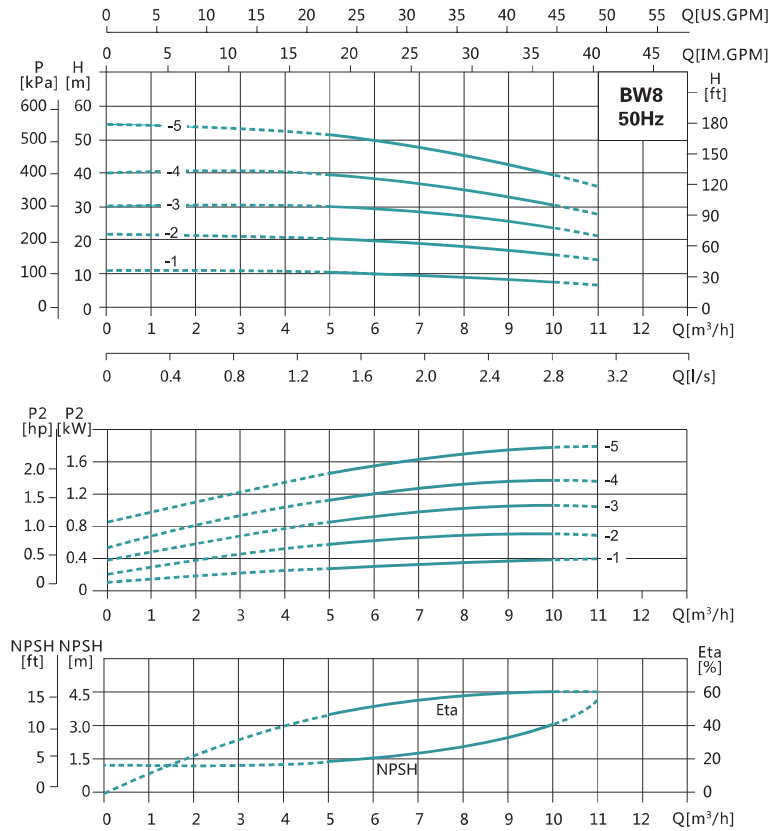
Model	Power		Q(m³/h)	1	2	3	4	5	6	Head Range (m)
	kW	HP								
BW4-2	0.37	0.5	H (m)	19	18	17	15	12.5	10	10~19
BW4-3	0.55	0.75		28	27	26	23.5	20.5	17	17~28
BW4-4	0.75	1		37.5	36	34	31	27	23	23~37.5

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	426	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

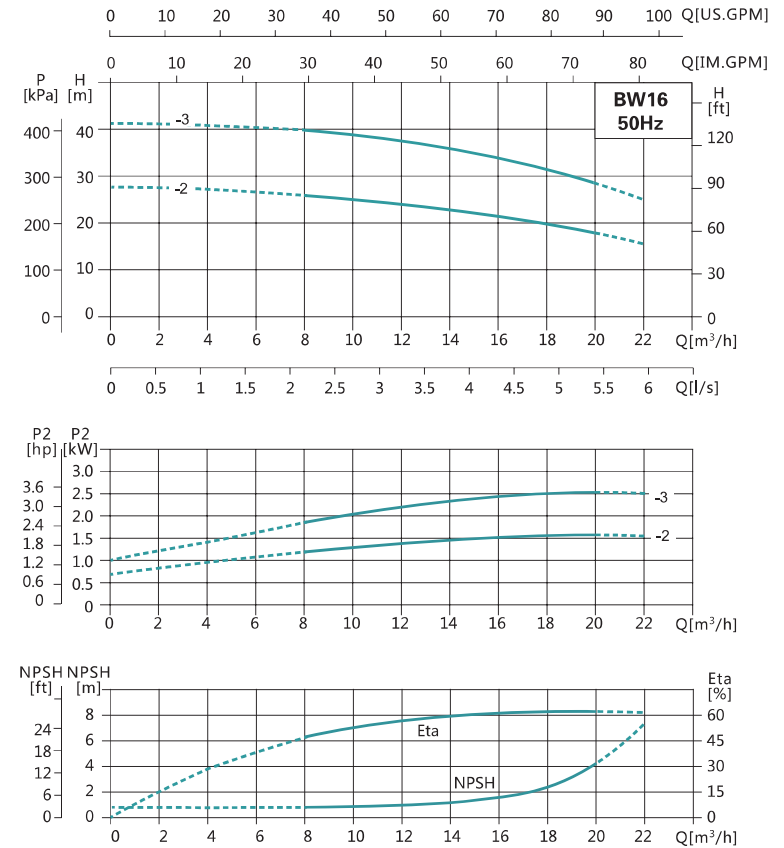
Performance Details-BW8



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

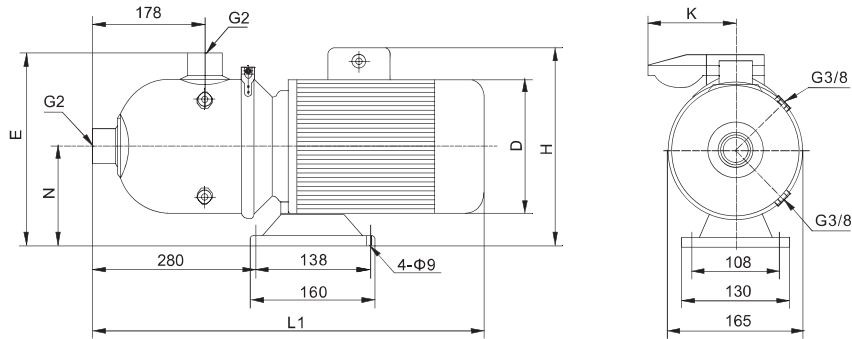
Performance Details-BW16



It is recommended to be used within lift range.

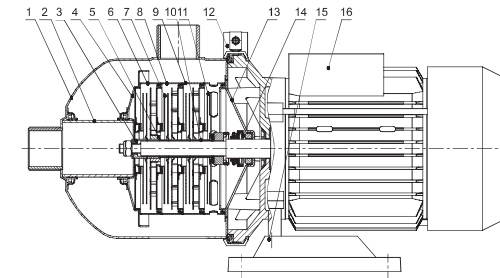
Model	Power		Q(m³/h)	8	10	12	14	16	18	20	Head Range (m)
	kW	HP									
BW16-2	2.2	3	H (m)	26	25	24	23	21.7	20	18	18~26
BW16-3	3	4		40	39	38	36	34	31.5	29	29~40

Dimensions & Weight



Model	Dim.(mm)						N.W.(kg)
	L1	E	N	D	H	K	
BW8-2	540	268	118	156	230/265	/100	13
BW8-3	540	268	118	156	230/265	/100	19
BW8-4	590	268	118	169	240/270	/100	23
BW8-5	590	268	118	169	240/270	/100	27
BW16-2	590	268	118	169	240/270	/100	26
BW16-3	627	280	130	194	270		33

Components & Materials



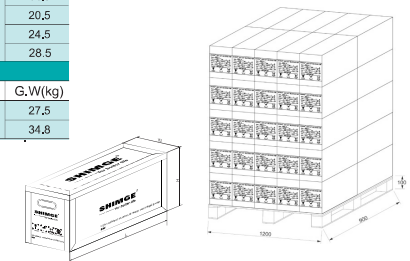
BW

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	See page 07	
15	Base	Q235A	
16	Motor	Horizontal Motor(Lengthening Shaft)	

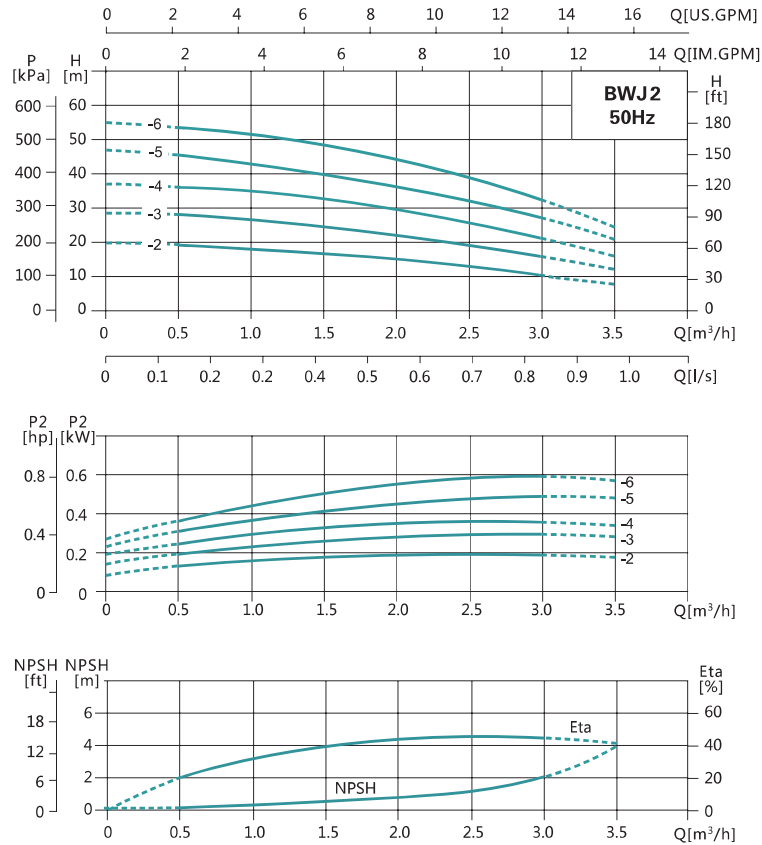
Packing Sizes & Weight

BW2		
Model	Dim.(mm) (LxWxH)	G.W(kg)
BW2-2	500x255x310	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	500x255x310	11.5
BW4-3		13
BW4-4		13.5

BW 8		
Model	Dim.(mm) (LxWxH)	G.W(kg)
BW8-2	665x300x335	14,5
BW8-3		20,5
BW8-4		24,5
BW8-5		28,5
BW 16		
Model	Dim.(mm) (LxWxH)	G.W(kg)
BW16-2	665x300x335	27,5
BW16-3		34,8



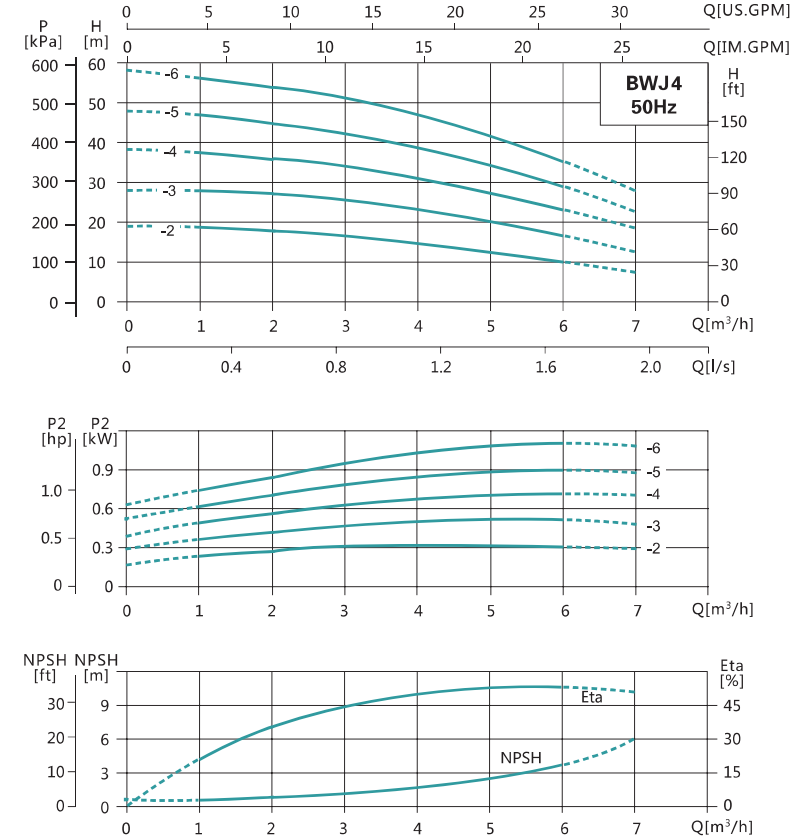
Performance Details-BWJ2



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

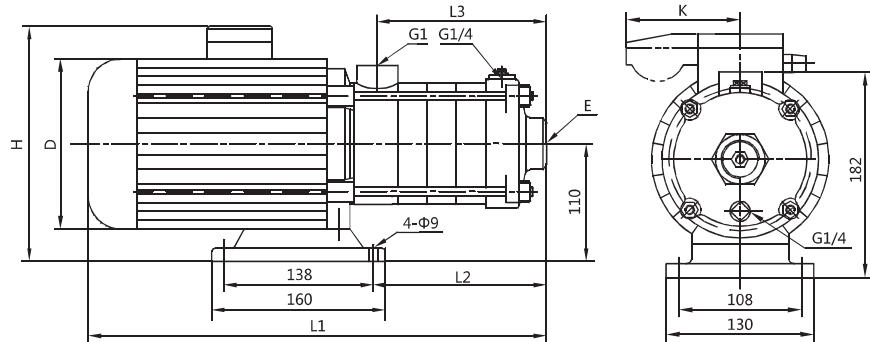
Performance Details-BWJ(T)4



It is recommended to be used within lift range.

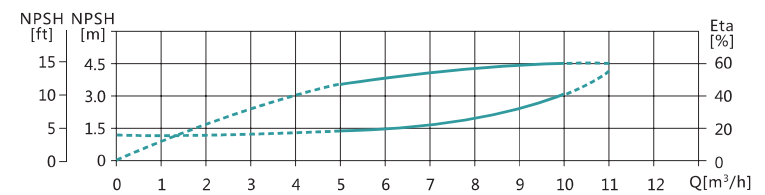
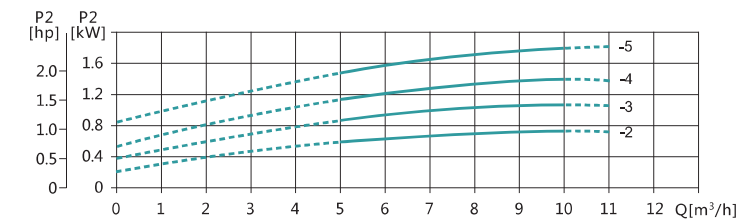
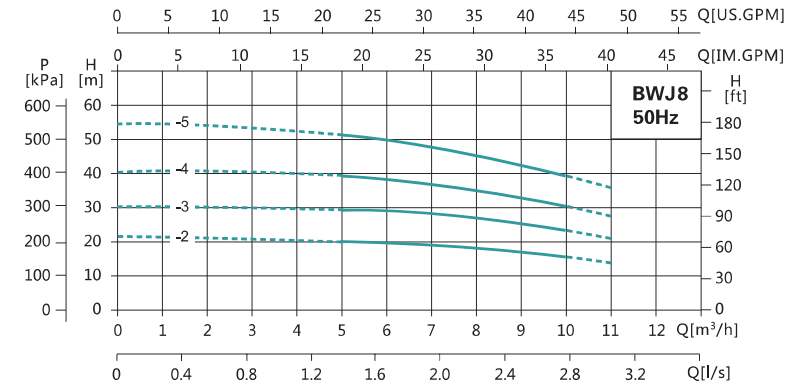
Model	Power		Q(m³/h)	1	2	3	4	5	6	Head Range (m)
	kW	HP								
BWJ4-2	0.37	0.5	H (m)	19	18	17	15	12.5	10	10~19
BWJ4-3	0.55	0.75		28	27	26	23.5	20.5	18	18~28
BWJ4-4	0.75	1		37.5	36	34	31	27	25	25~37.5
BWJ4-5	1.1	1.5		47	45	42.5	39	34	29	29~47
BWJ4-6	1.1	1.5		56	54	51	47	41.5	35.5	35.5~56

Dimensions & Weight



Model	Dim.(mm)							N.W.(kg)
	L1	L2	L3	D	E	H	K	
BWJ2-2	317	77	88	137	G1	215/230		9.3
BWJ2-3	335	95	105	137	G1	215/230		9.8
BWJ2-4	353	113	124	137	G1	215/230		10.6
BWJ2-5	371	131	142	137	G1	215/230		11
BWJ2-6	445	151	160	156	G1	225/245	/100	15.6
BWJ4-2	335	95	105	137	G1 1/4	215/230		9.8
BWJ4-3	362	122	133	137	G1 1/4	215/230		10.8
BWJ4-4	445	151	160	156	G1 1/4	225/245	/100	14.3
BWJ4-5	472	178	187	156	G1 1/4	225/245	/100	17.6
BWJ4-6	499	232	214	156	G1 1/4	225/245	/100	18.3

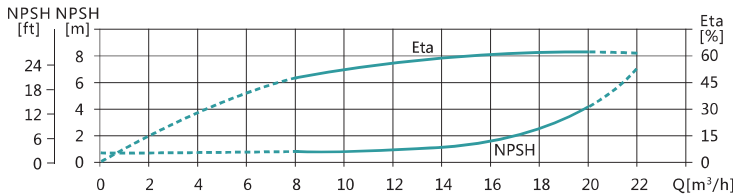
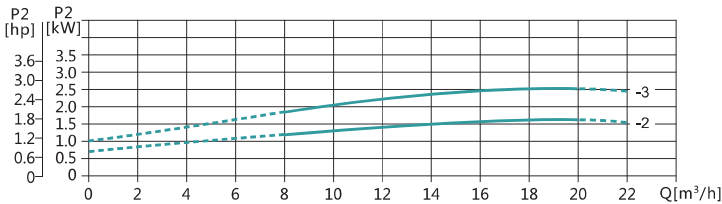
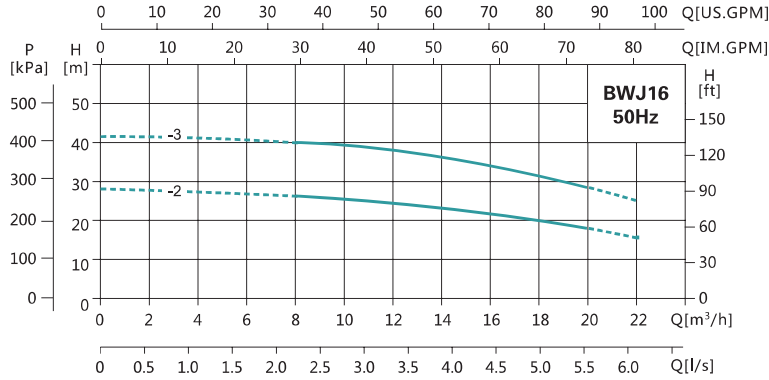
Performance Details-BWJ8



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

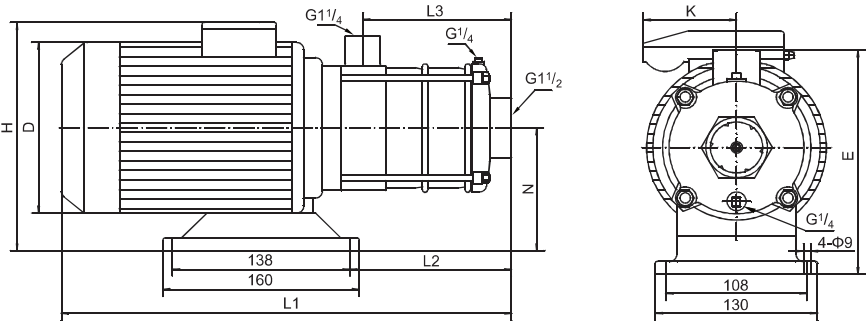
Performance Details-BWJ(T)16



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		H (m)							
BWJ16-2	2.2	3		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	219	114	/100	17.9
BWJ8-3	406	141	137	230/265	156	219	114	/100	20
BWJ8-4	503	171	167	240/270	169	223	118	/100	24.5
BWJ8-5	533	201	197	240/270	169	223	118	/100	27.1
BWJ16-2	467	125	122	240/270	169	223	118	/100	25.4
BWJ16-2	524	171	167	270	194	235	130		29.1