

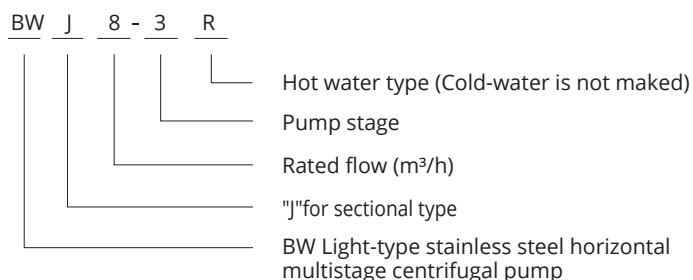
Horizontal Multi-Stage Centrifugal Pumps

CATALOGUE FOR 50Hz



BWJ

Model Instruction



Overview Of The Product

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°C +68°C , hot water type 0°C +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 driving motor of high-power.
- pH: 6.5 to 8.5

Applications Fields

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

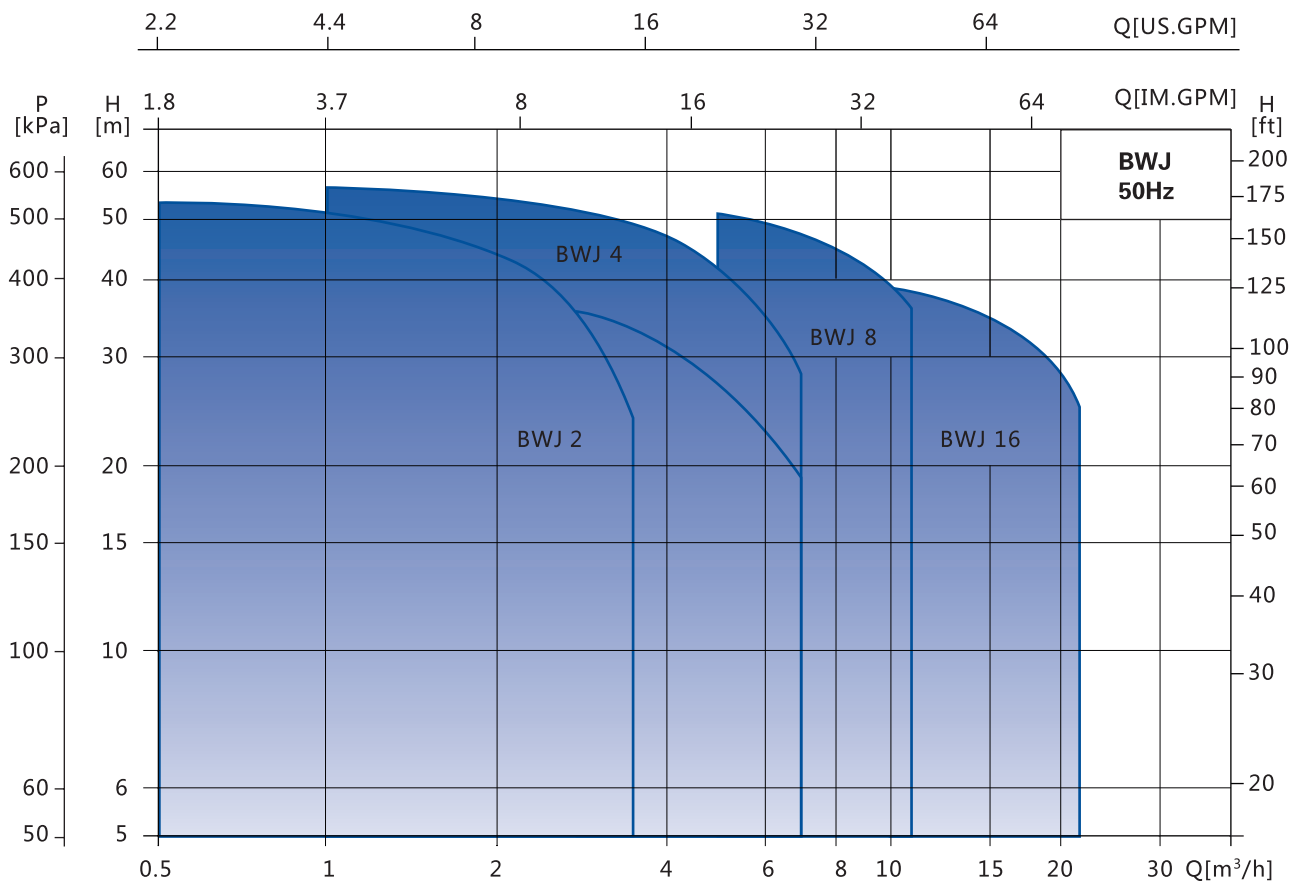
Certificate



Optional Available On Request

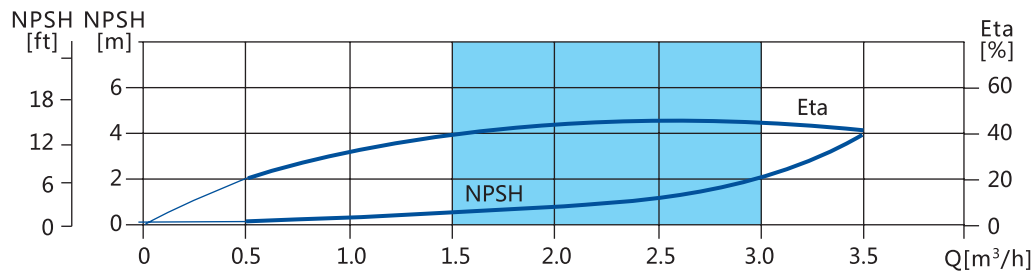
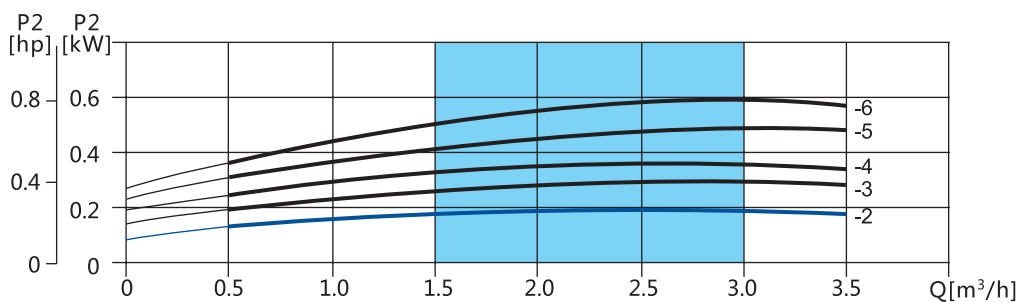
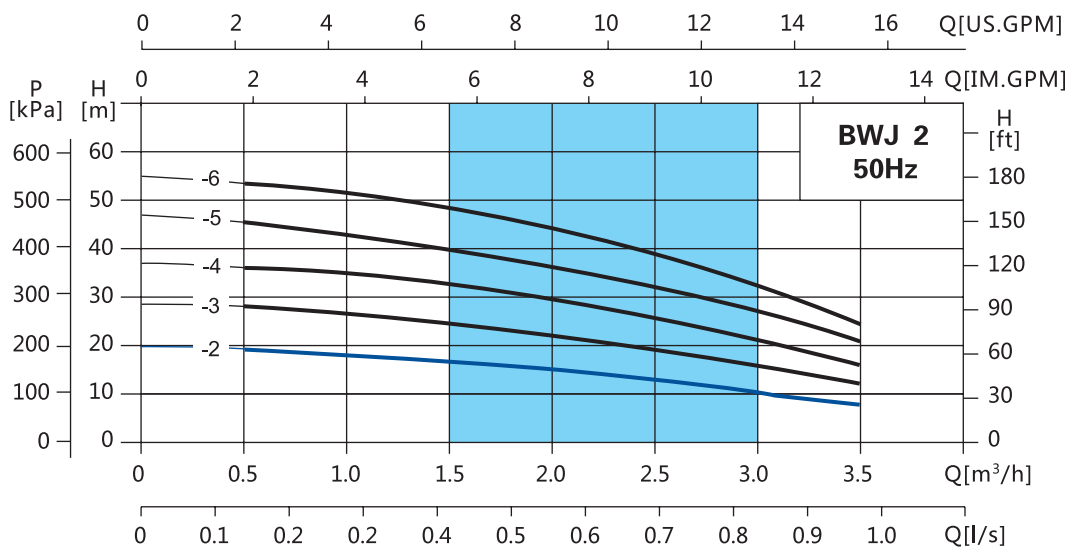
- Full-enclosed and ventilating two-pole standard motor
- Protection class: IP55
- Insulation class: F
- Standard voltage (50Hz): Single phase 220V
Three phase:380V or 220V

Performance Curve



Model	BWJ 2	BWJ 4	BWJ 8	BWJ 16
Rated Flow(m ³ /h)	2	4	8	16
Flow Range(m ³ /h)	0.5~3	1~6	5~10	8~20
Max.Pressure(bar)	5.5	4	5	4
Motor Power(kW)	0.37~0.75	0.55~1.1	0.75~2.2	2.2~3
Max.Efficiency(%)	45	59	64	70
Inlet	G1	G1 1/4	G1 1/2	G1 1/2
Outlet	G1	G1	G1 1/4	G1 1/4

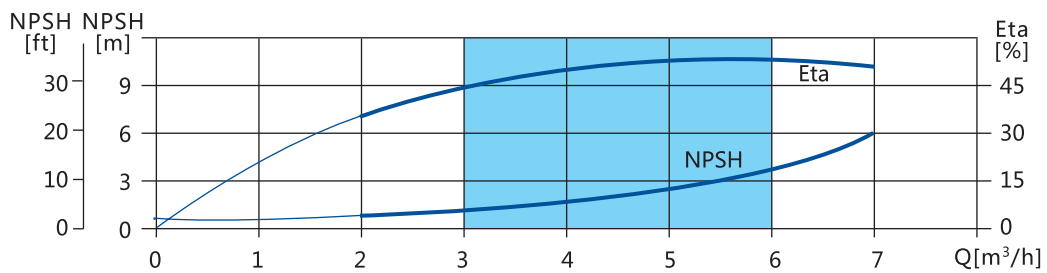
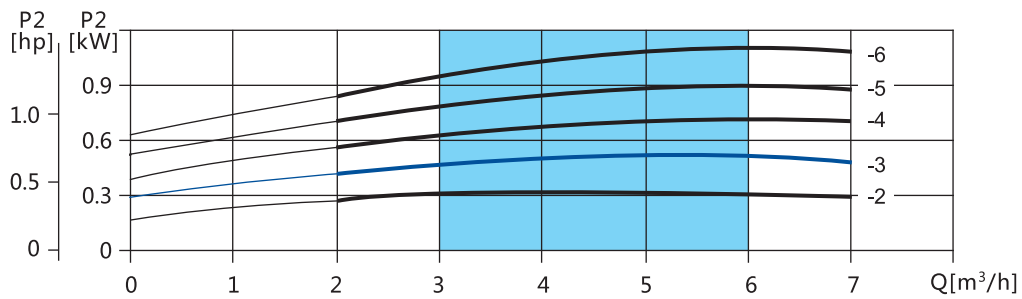
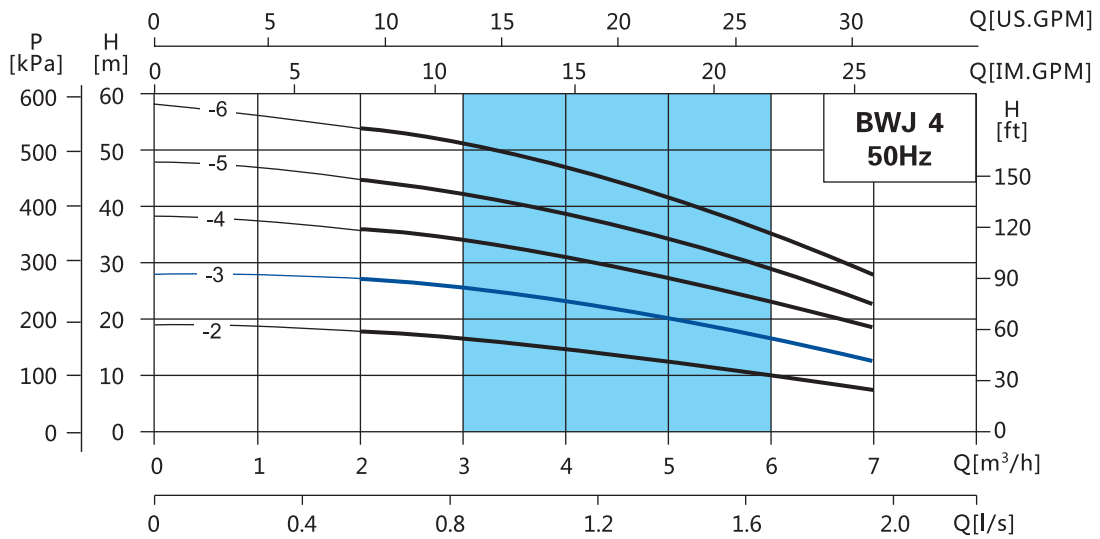
Performance Details-BWJ 2



It is recommended to be used within lift range.

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

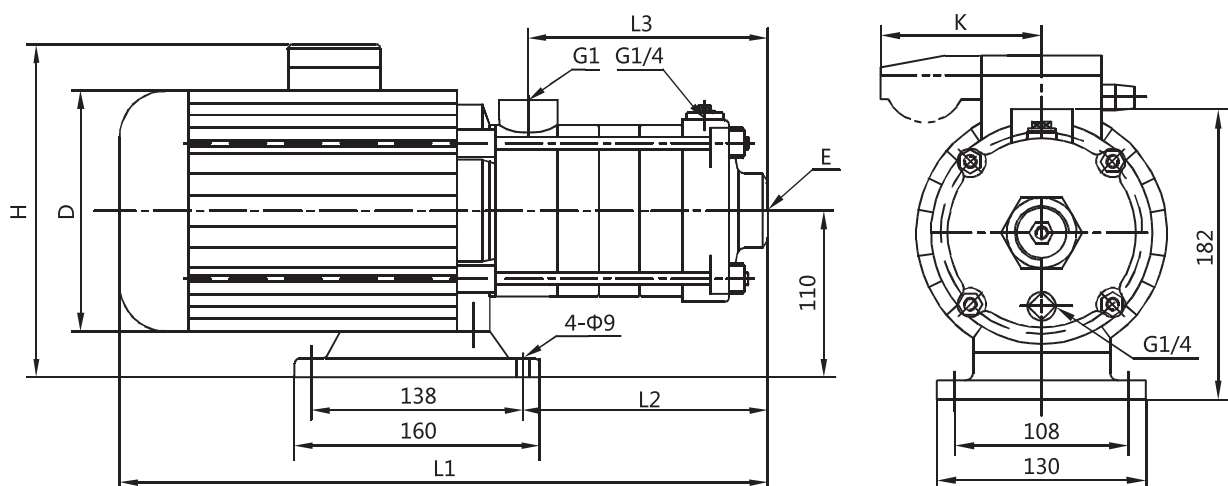
Performance Details-BWJ 4



It is recommended to be used within lift range.

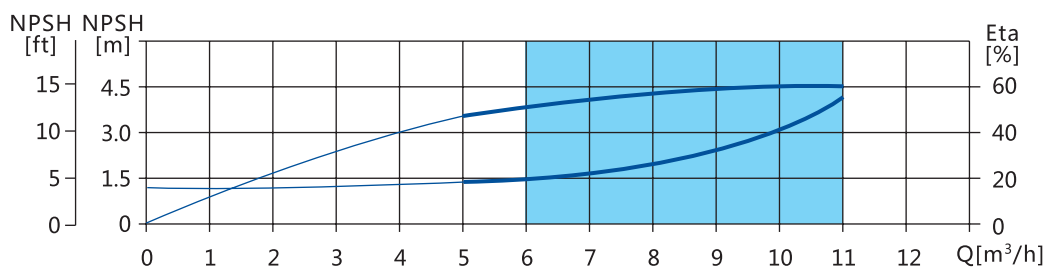
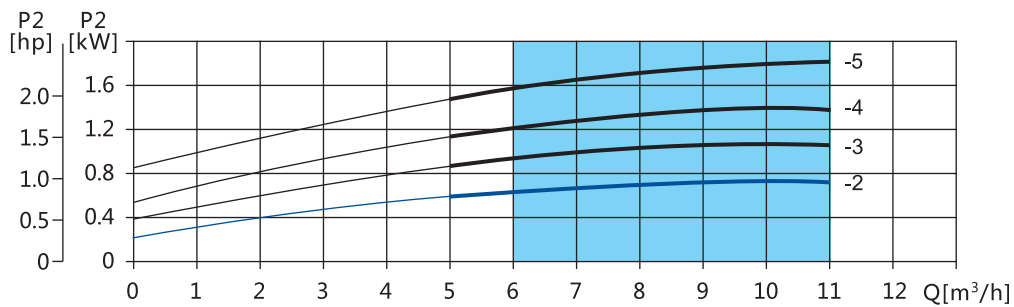
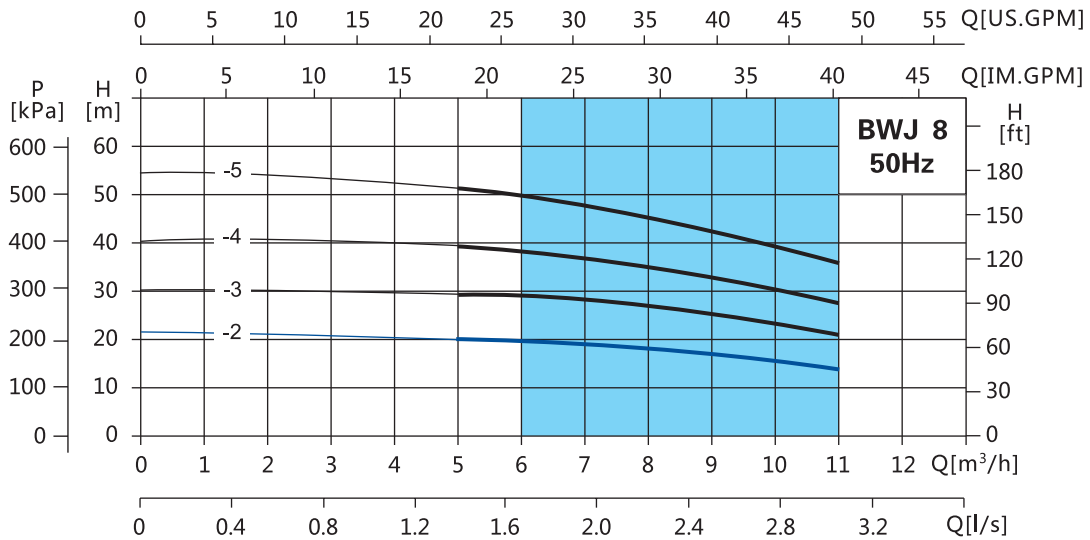
Model	Power		Q(m ³ /h)	1	2	3	4	5	6	Head Range (m)
	kW	HP								
BWJ 4-2	0.37	0.5	H (m)	19	18	17	15	12.5	10	10~19
BWJ 4-3	0.55	0.75		28	27	26	23.5	20.5	18	18~28
BWJ 4-4	0.75	1		37.5	36	34	31	27	25	25~37.5
BWJ 4-5	1.1	1.5		47	45	42.5	39	34	29	29~47
BWJ 4-6	1.1	1.5		56	54	51	47	41.5	35.5	35.5~56

Dimensions & Weight



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

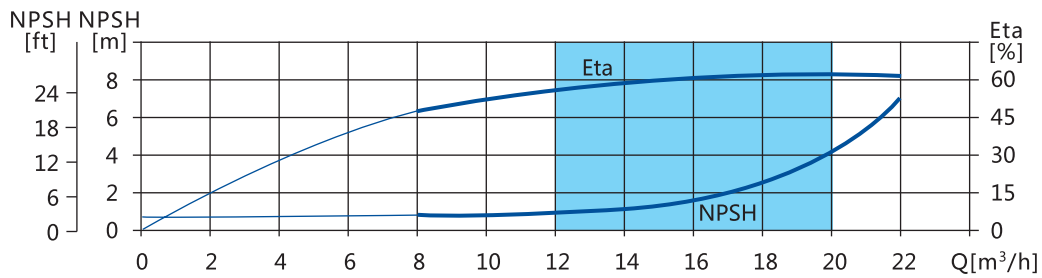
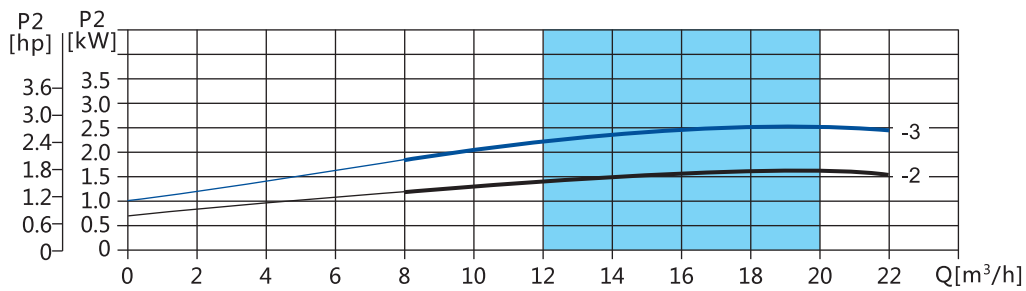
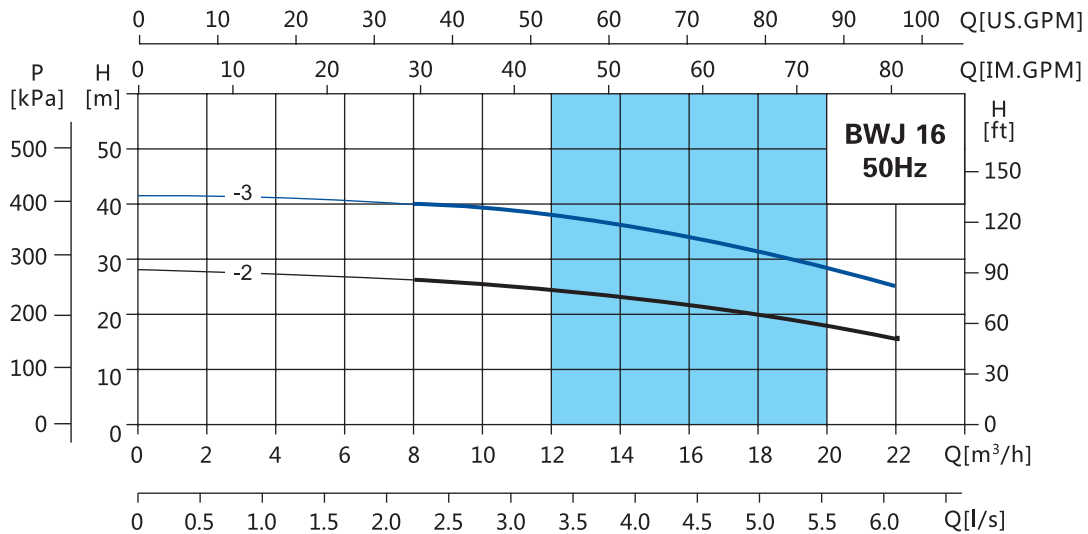
Performance Details-BWJ 8



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								
BWJ 8-2	0.75	1	H (m)	20	19.5	19	18	17	15.5	15.5~20
BWJ 8-3	1.1	1.5		29.5	29	28	27	25	23	23~29.5
BWJ 8-4	1.5	2		39	38	37	35	33	30.5	30.5~39
BWJ 8-5	2.2	3		51	49.5	47.5	45	42.5	39.5	39.5~51

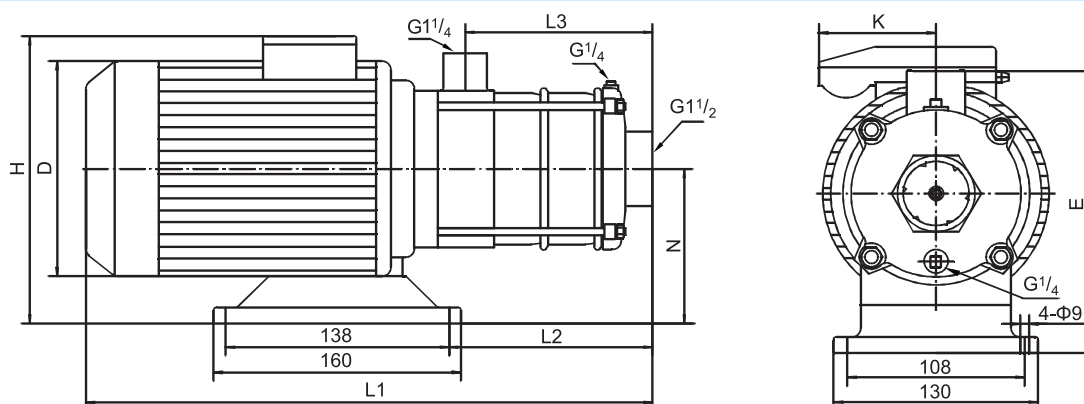
Performance Details-BWJ 16



It is recommended to be used within lift range.

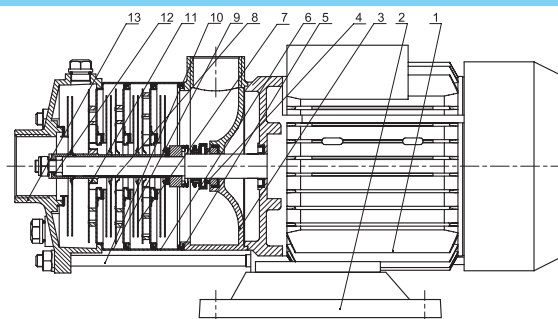
Model	Power		Q(m³/h)	8	10	12	14	16	18	20	Head Range (m)
	kW	HP									
BWJ 16-2	2.2	3	H	26	25	24	23	21.7	20	18	18~26
BWJ 16-3	3	4	(m)	40	39	38	36	34	31.5	29	29~40

Dimensions & Weight



Model	Dim.(mm)								N.W.(kg)
	L1	L2	L3	H	D	E	N	K	
BWJ 8-2	376	111	107	230/265	156	219	114	/100	17.9
BWJ 8-3	406	141	137	230/265	156	219	114	/100	20
BWJ 8-4	503	171	167	240/270	169	223	118	/100	24.5
BWJ 8-5	533	201	197	240/270	169	223	118	/100	27.1
BWJ 16-2	467	125	122	240/270	169	223	118	/100	25.4
BWJ 16-2	524	171	167	270	194	235	130		29.1

Components & Materials



No.	Component	Material	AISI/ASTM
1	Motor	Horizontal Motor(Lengthening Shaft)	
2	Base	HT200	ASTM35B
3	Water Outlet Shell	SUS304/HT200	AISI304/ASTM35B
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/HT200	AISI304/ASTM35B