

KBZ SUBMERSIBLE PUMP 抽水泵

Characteristic & Application 特點及應用

The pump body and motor is made of rigid cast iron for long-lasting durability. Semi-open impeller made of high chrome alloy match with wear plate achieves superior durability. Effective motor cooling due to discharge cast as part of the motor housing space economy by a top outlet.

硬質鑄造的外殼和馬達使水泵更持久耐用，鑄鐵機身及高鉻合金鑄造的半開式葉輪也提升了耐用性。另外，獨特出水口設計，使其在空氣中運轉仍可以確保冷卻效果。



Specification 產品規格										
Model 型號 (50HZ)	Outlet 出水呎吋		Voltage 電壓 V	Motor Power 摩打功率		Max. Head 最高程揚 m	Max. Capacity 最大流量		Solid Passage 可容固體 mm	Weight 重量 kg
	inch	mm		kW	HP		l/s	m ³ /min		
KBZ21.5	2	50	380	1.5	2	22.0	7.5	0.45	8.5	40
KBZ31.5	3	80	380			14.5	11.2	0.67	8.5	40
KBZ22.2	2	50	380	2.2	3	26.0	9.2	0.55	8.5	43
KBZ32.2	3	80	380			19.0	15.3	0.92	8.5	43
KBZ23.7	2	50	380	3.7	5	34.0	9.2	0.55	8.5	68
KBZ33.7	3	80	380			29.0	15.3	0.92	8.5	68
KBZ43.7	4	100	380			18.5	25.0	1.50	8.5	68
KBZ35.5	3	80	380	5.5	7.5	34.0	20.8	1.25	8.5	84
KBZ45.5	4	100	380			23.0	29.2	1.75	8.5	84
KBZ47.5	4	100	380	7.5	10	40.0	23.3	1.40	11.5	116
KBZ67.5	6	150	380			31.0	34.7	2.08	19.5	119
KBZ411	4	100	380	11	15	48.5	23.3	1.40	11.5	148
KBZ611	6	150	380			32.0	40.8	2.45	19.5	150
KBZ415	4	100	380	15	20	56.0	23.3	1.40	11.5	158
KBZ615	6	150	380			40.0	43.3	2.60	19.5	160

*可配合 L531 水泵起動控制箱使用，加強對水泵的保護。

*To use with L531 pump starter panel to enhance pump protection.

Hose & Hose Accessories 對應喉管及喉碼								
Model 型號	Hose 喉管		Clamp 喉箍		Coupling 接頭			Galvanized Hose Connector 鍍鋅駁芯
	Layflat Hose 扁喉	Spiral Hose 骨喉	T-Bolt 闊身喉碼	Omega 奧米茄碼	Bauer 鮑爾接頭	Camlock 快速接頭	Storz 德式接頭	
								
KBZ21.5 KBZ22.5 KBZ23.7	2" Layflat Hose		T52-55	SL60	2" Bauer	2" Camlock	2" Storz	2" Connector
	2" Spiral Hose		T56-59	SL60				
KBZ31.5 KBZ32.2 KBZ33.7 KBZ35.5	3" Layflat Hose		T74-79	SL94	3" Bauer	3" Camlock	3" Storz	3" Connector
	3" Spiral Hose		T80-85	SL94				
KBZ44.7 KBZ45.5 KBZ47.5 KBZ411 KBZ415	4" Layflat Hose		T104-112	SL115	4" Bauer	4" Camlock	4" Storz	4" Connector
	4" Spiral Hose		T104-112	SL115 / 525				
KBZ67.5 KBZ611 KBZ615	6" Layflat Hose		T149-161	SL675	6" Bauer	6" Camlock	6" Storz	6" Connector
	6" Spiral Hose		T162-174	SL675				

The body of motor and pump is made of rigid cast iron for long-lasting durability.
Greatly increased maximum submersion depth due to mechanical seal resistant to high pressure.
Semi-open impeller made of high chrome alloy match with wear plate(ductile iron) achieves superior durability.
Effective motor cooling due to discharge channel cast as part of the motor housing. Space economically by a top outlet.
Discharge 50mm(2")to 150mm(6"),motor 1.5kW(2HP) to 15kW (20HP).
Hermetically sealed motor equipped build-in thermal protection for the power below 15kW.



Specification

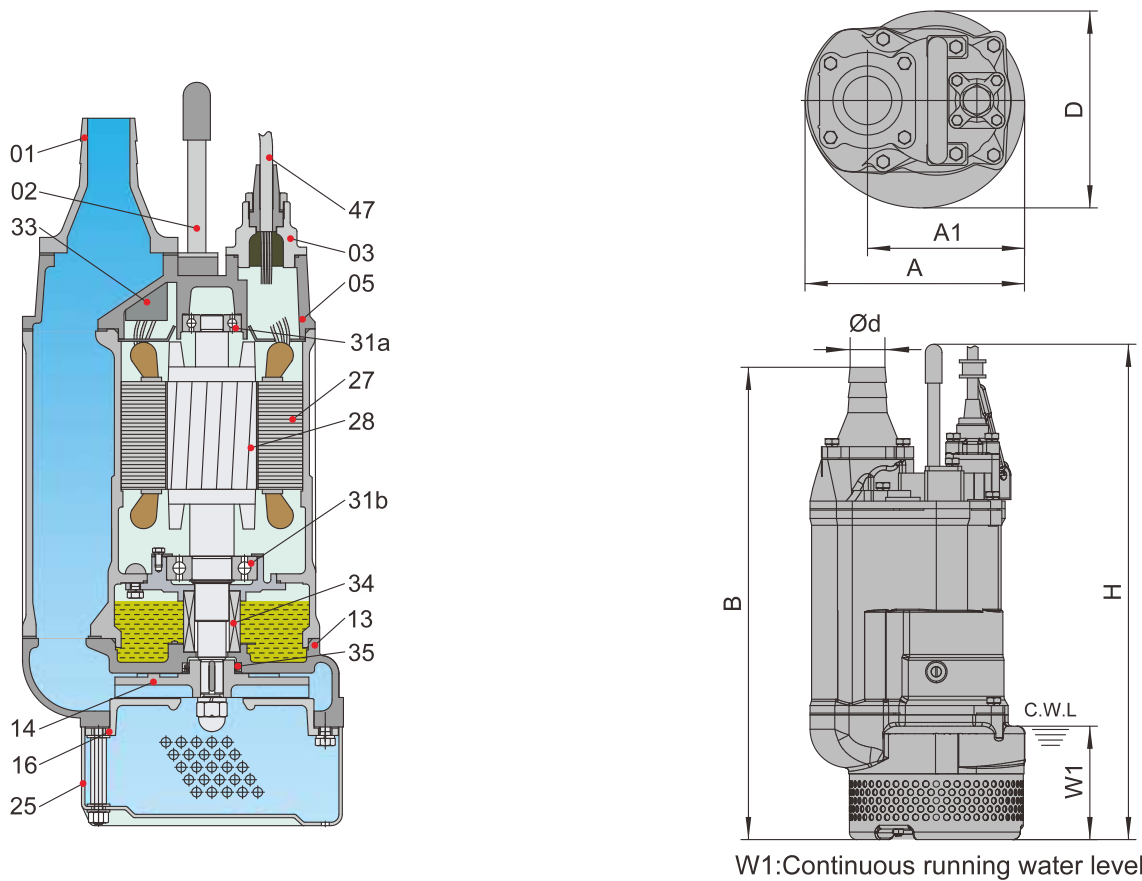
- Capacity:up to 160m³/h
- Head:up to 57 meters
- Power:1.5kW(2HP) to 15kW(20HP)
Power supply:three phase 400V ± 10%, 50Hz
380V ± 10%, 60Hz
- Insulation class:F
- Protection class:IP68
- Cable length:8m
- Water temperature:up to 40℃
- Max.water depth:25m

Application

- Civel engineering
- Mines,quarries,coal ore & slurries
- Sewage treatment plants
- General pumping purposes

Special features on request

- Other voltages
- The length of cable is optional



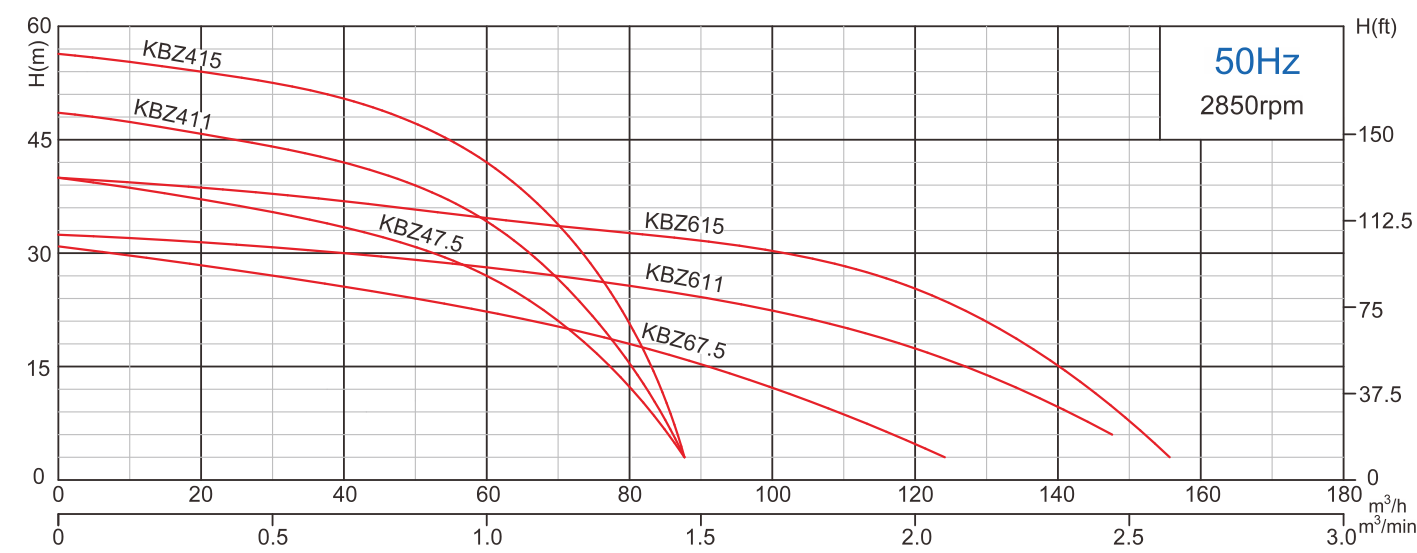
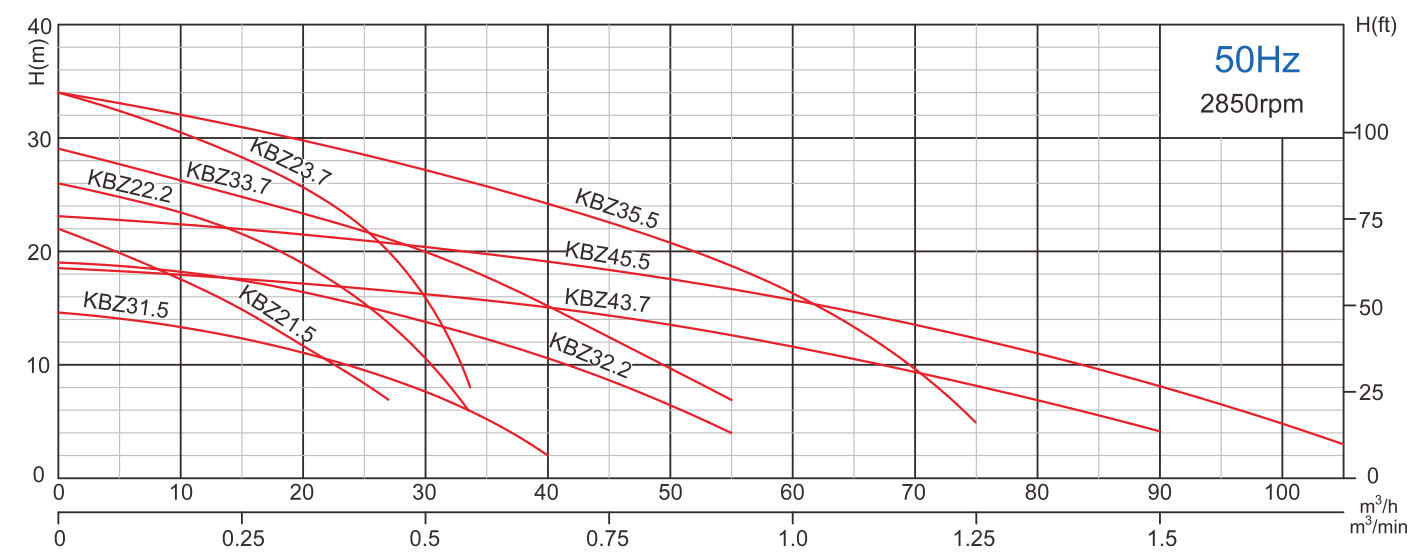
Material of construction

Item No.	Part name	Material	Item No.	Part name	Material
01	Hose coupling	Cast iron	28	Rotor	Shaft:AISI420SS
02	Handle	Rubber&steel	31a	Bearing	Ball bearing
05	Upper cover	Cast iron	31b	Bearing	Ball bearing
11	Motor body	Cast iron	33	Motor protector	
13	Pump body	Cast iron	34	Mechanical seal	Sic-Sic/Carbon-Sic(≤ 2.2kW) Sic-Sic/Sic-Sic(≥ 3.7kW)
14	Impeller	High chrome alloy	35	Oil seal	
16	Inlet plate	Ductile iron	47	Cable	
25	Strainer	Steel			
27	Stator				

Dimensions & weights

Model (50/60Hz)	d mm	A mm	A1 mm	B mm	D mm	H mm	W1 mm	N.W Kg	G.W Kg	Packing dimension mm
KBZ21.5	50	235	173	535	216	505	120	36	40	610x265x265
KBZ31.5	80	235	173	535	216	505	120	36	40	610x265x265
KBZ22.2	50	235	173	535	216	505	120	39	43	610x265x265
KBZ32.2	80	235	173	535	216	505	120	39	43	610x265x265
KBZ23.7	50	283	208	628	252	629	150	63	68	710x320x295
KBZ33.7	80	283	208	628	252	629	150	63	68	710x320x295
KBZ43.7	100	283	208	642	252	629	150	63	68	710x320x295
KBZ35.5	80	283	208	671	252	590	150	77	84	750x350x360
KBZ45.5	100	283	208	686	252	590	150	77	84	750x350x360
KBZ47.5	100	330	240	764	314	676	190	106	116	835x365x385
KBZ67.5	150	330	240	790	314	676	190	108	119	865x365x385
KBZ411	100	373	255	807	350	695	190	136	148	885x415x435
KBZ611	150	373	255	807	350	695	190	139	150	885x415x435
KBZ415	100	373	255	842	350	755	190	144	158	935x415x435
KBZ615	150	373	255	842	350	755	190	146	160	935x415x435

Performance curves



Performance table

Model (50Hz)	Outlet	Motor power		Rated current (400V)	Rated capacity		Rated head	Max capacity		Max Head	Impeller Passage
	mm	kW	HP	A	m³/h	m³/min	m	m³/h	m³/min	m	mm
KBZ21.5	50	1.5	2	3.5	15	0.25	15	27	0.45	22	8.5
KBZ31.5	80	1.5	2	3.5	30	0.50	8	40	0.67	14.5	8.5
KBZ22.2	50	2.2	3	5.0	18	0.30	20	33	0.55	26	8.5
KBZ32.2	80	2.2	3	5.0	36	0.60	11	55	0.92	19	8.5
KBZ23.7	50	3.7	5	7.7	12	0.20	30	33	0.55	34	8.5
KBZ33.7	80	3.7	5	7.7	30	0.50	20	55	0.92	29	8.5
KBZ43.7	100	3.7	5	7.7	60	1.0	11.5	90	1.50	18.5	8.5
KBZ35.5	80	5.5	7.5	11.4	36	0.60	25	75	1.25	34	8.5
KBZ45.5	100	5.5	7.5	11.4	60	1.0	16	105	1.75	23	8.5
KBZ47.5	100	7.5	10	15	48	0.80	30	84	1.40	40	11.5
KBZ67.5	150	7.5	10	15	90	1.60	15	124.8	2.08	31	19.5
KBZ411	100	11	15	22	60	1.0	35	84	1.40	48.5	11.5
KBZ611	150	11	15	22	102	1.70	22	147	2.45	32	19.5
KBZ415	100	15	20	29.5	60	1.0	42	84	1.40	56	11.5
KBZ615	150	15	20	29.5	102	1.70	30	156	2.60	40	19.5