

AQUACULTURE
SERIES

KL/BL

LARGE VOLUME
**AXIAL AND
MIX FLOW**
SUBMERSIBLE PUMP



KL SERIES



BL SERIES

MCKARLEN

LARGE VOLUME AXIAL AND MIX FLOW SUBMERSIBLE PUMP

KL Series

Features

- Watercooling motor design for amphibian application
- Double mechanical seal
- Good performance in head and flow due to the innovative impeller design
- Epoxy painting to provide anti-corrosive protection

BL Series

Features

- Bronze casting inside top cover
- Double mechanical seal
- Three types of impeller design
- Impeller made by ALBC3 bronze for sea water and anti-sand application

Application

- Aquaculture, Irrigation, Water drainage
- Landscape fountain
- Any big flow application



Material		KL Series	BL Series
Motor	Pole/Class	2/F	4/F
	Isulation	IP68	IP68
	Protection	Thermal Protector	Thermal Protector
	Mechanical Seal	Double Seal	Double Seal
Material	Out Cover	SUS304	SUS304
	Top Cover	HT200	HT200
	Pump Housing	SUS304	HT200
	Shaft	SUS304	SUS304
	Mechanical Seal	Sic/Sic	Sic/Sic
	Inside Top Cover	HT200	BC6
	Impeller	ALBC3	ALBC3
	Discharge	2" , 3" , 4" , 6"	6" , 8" , 10" , 12"
	Temperature	0~40 degree	0~40 degree



Technical Data KL

Type	Output Hp (kW)	Discharge Inch	Phase (Motor)	Pole	Rated		Dimension (mm)		Weight (kg)
					Head m	Capacity m ³ /min	Diameter	Height	
KL-21.1	1.5 (1.1)	2"	1~ / 3~	2	13	0.2	178	400	28
KL-32.2	3 (2.2)	3"	1~ / 3~	2	10	0.6	245	530	46
KL-42.2	3 (2.2)	4"	1~ / 3~	2	10	0.8	245	530	46
KL-43.7	5 (3.7)	4"	3~	2	12	1.0	270	680	54
KL-53.7	5 (3.7)	5"	3~	2	8	1.0	270	680	54
KL-45.5	7 (5.5)	4"	3~	2	21	0.4	270	680	70
KL-65.5	7 (5.5)	6"	3~	2	8	1.3	270	680	82
KL-47.5	10 (7.5)	4"	3~	2	26	1.0	270	680	90

SPECIFICATION

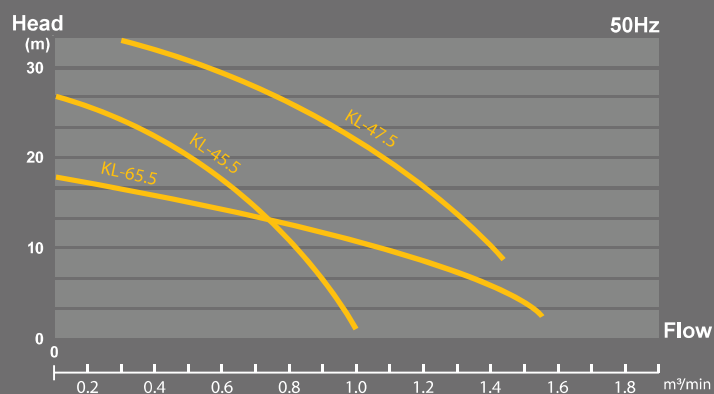
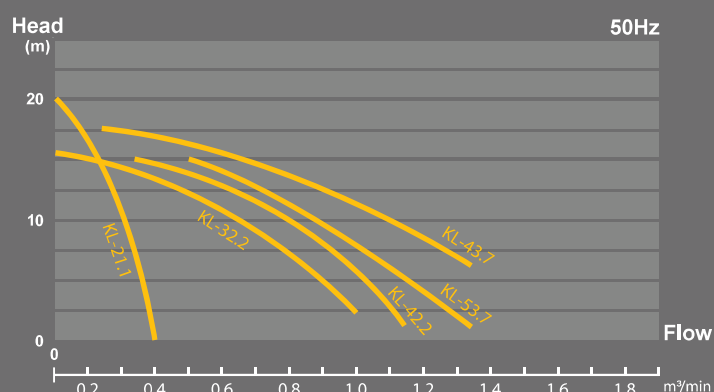
Discharge (mm)		50 • 80 • 100 • 150 • 200 • 250 • 300
Limits Of Use	Liquid Temp.	0~40°C (32~104°F)
	Submersion Depth	3 m (10 feet)
Type	Frequency	50Hz
	Motor	2P (3000RPM) • Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball Type
	M.seal	Double Mechanical Seal
	Impeller	Axial-flow • Mix-flow
Optional		Pumps can be customized to fit specification

sacrificial anode



The optional positive Aluminium Anode will dissolve slowly in brine and release electrons, which can prevent the oxidation of the pump until it is exhausted.

Performance Curve



All specifications are subject to change without notice.

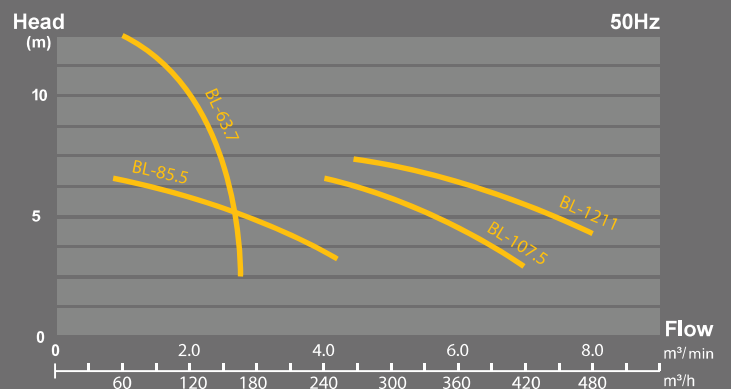
Technical Data BL

Type	Output Hp (kW)	Discharge Inch	Phase (Motor)	Pole	Rated		Dimension (mm)		Weight (kg)
					Head m	Capacity m ³ /min	Diameter	Height	
BL-63.7	5 (3.7)	6"	3~	4	10	2	285	790	87
BL-85.5	7.5 (5.5)	8"	3~	4	6	3.5	340	923	120
BL-107.5	10 (7.5)	10"	3~	4	6	5.5	380	1015	160
BL-1211	15 (11)	12"	3~	4	7	7.0	430	1072	212

SPECIFICATION

Discharge (mm)		50 • 80 • 100 • 150 • 200 • 250 • 300
Limits Of Use	Liquid Temp.	0~40°C (32~104°F)
	Submersion Depth	3 m (10 feet)
Type	Frequency	50Hz
	Motor	4P (1500RPM) • Dry Motor
	Insulation	Class F
	Protection	IP68
	Protector	Auto-cut
	Bearing	Ball Type
	M.seal	Double Mechanical Seal
	Impeller	Axial flow • Mix flow
	Optional	Pumps can be customized to fit specification

Performance Curve



IMPELLER



BL-63.7



BL-85.5 & BL-107.5



BL-1211



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