

NO. J4-41020-1

PUMP PERFORMANCE CURVES

TYPE Waste Water
Submersible Vortex Pump

MODEL 50PNI2.4S -51

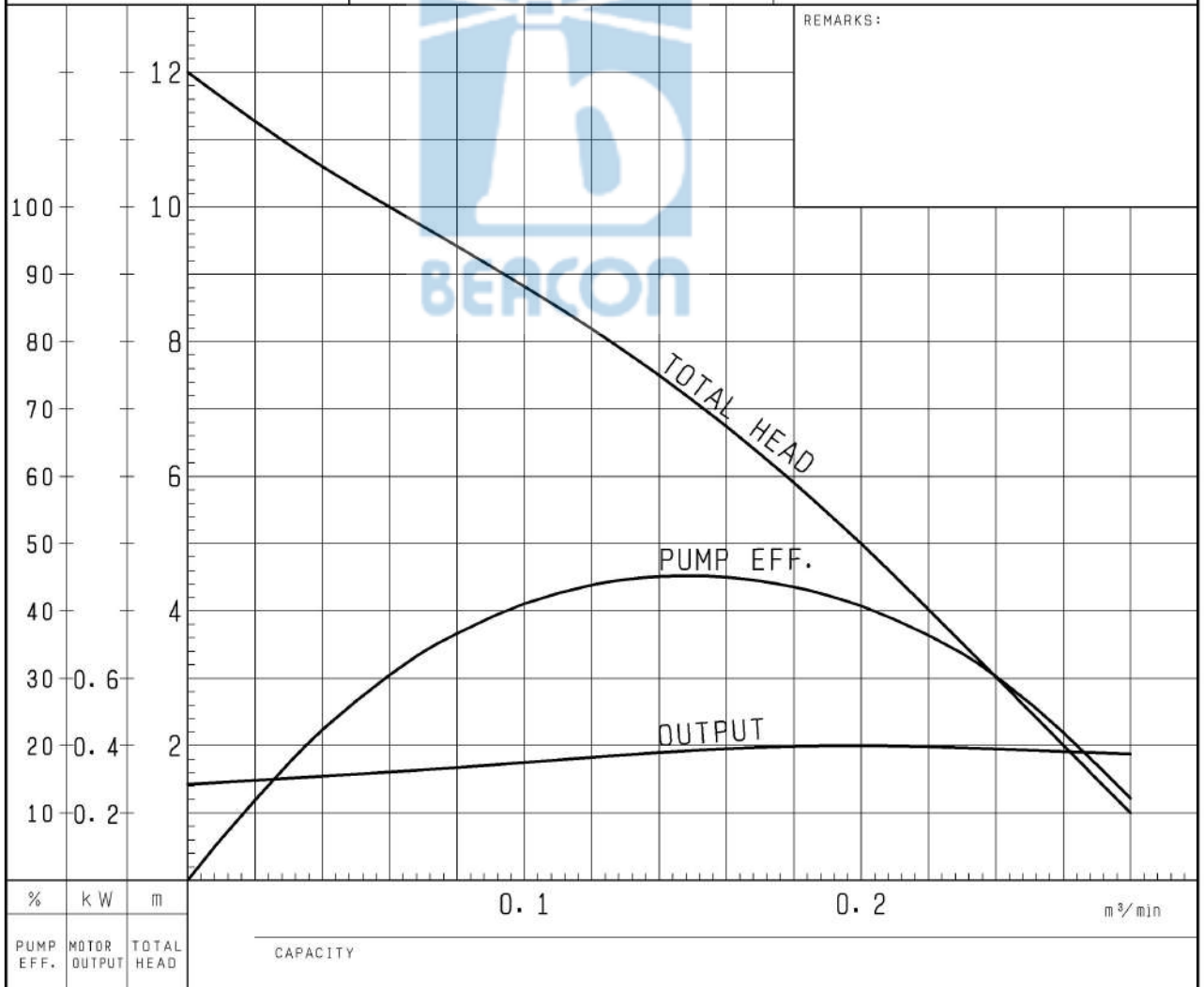
FREQUENCY 50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

NO.

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	50 mm	mm
TOTAL HEAD	MAX 12 m	m
CAPACITY	MAX 0.28 m ³ /min	m ³ /min
MOTOR OUTPUT	0.4 kW	kW
PHASE × VOLTAGE	1 ∅ × V	∅ × V
CURRENT	A	A
POLES / REVOLUTION	2 P / S. S. 3000 min ⁻¹	P / min ⁻¹
STARTING METHOD	CAPACITOR MOTOR	
INSULATION CLASS	E	

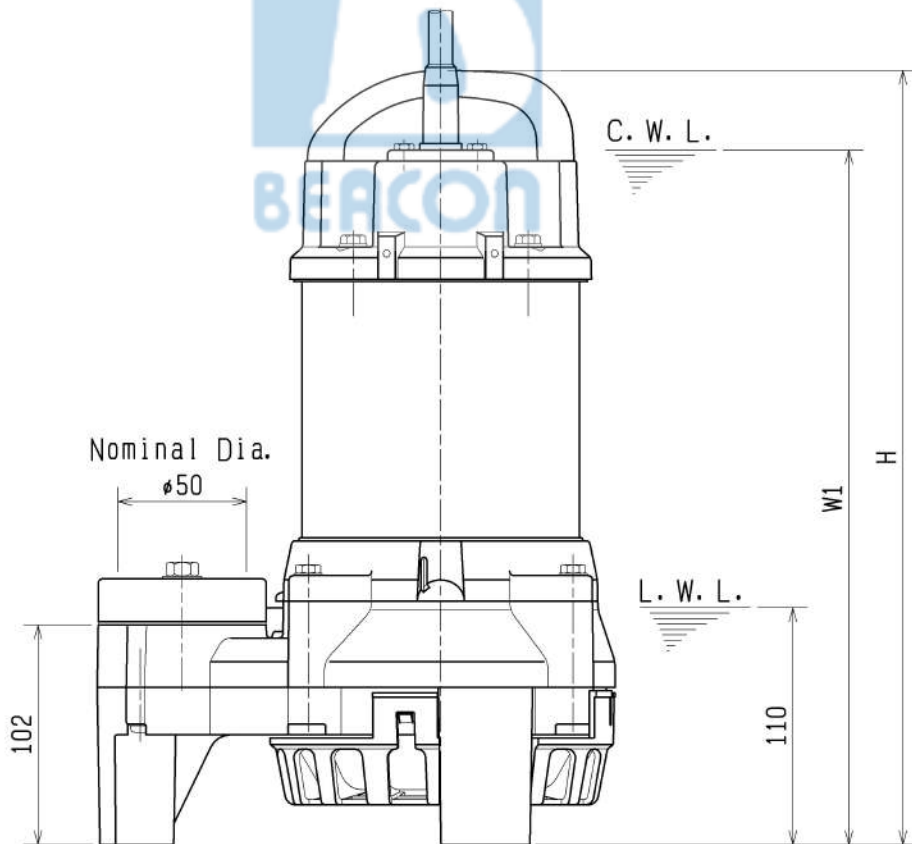
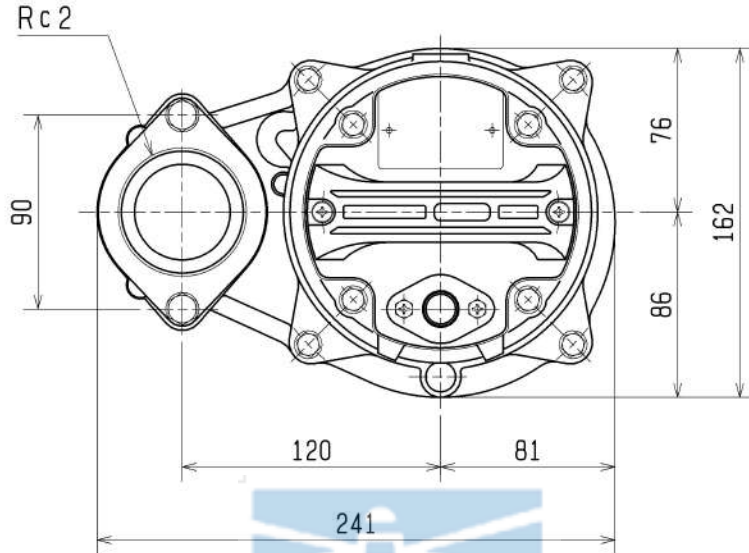


TSURUMI MFG. CO., LTD.

DIMENSION DRAWING		No.	No. A-22012-2
TYPE	Submersible Resin-made Wastewater Pump	MODEL	50PNI2.4S -51 50PNI2.75S -51

MODEL	W1	H	Approximate Weight (※)
50PNI2.4S -51	325	360	7.2kg
50PNI2.75S-51	345	380	9.3kg

※excluding cable



C.W.L. :Continuous running Water Level
L.W.L. :Lowest running Water Level

NO.

A-22358-1

PUMP PERFORMANCE CURVES

 TYPE Submersible
 Resin-made Wastewater Pump

MODEL 50PNI2.75S -51

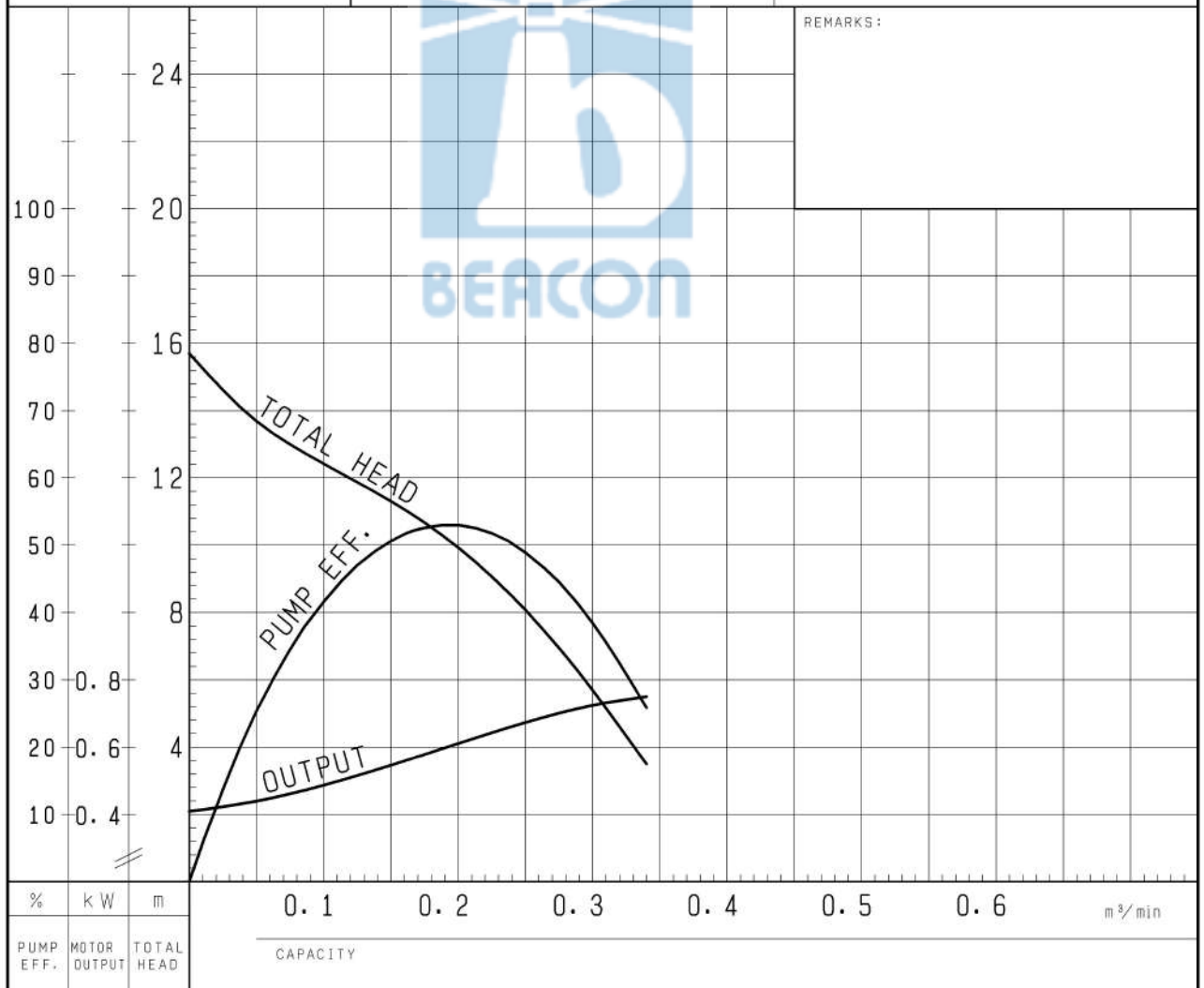
 FREQUENCY
 50 Hz

CUSTOMER'S NAME

EQUIPMENT TITLE

NO.

	STANDARD SPECIFICATIONS	REQUIRED SPECIFICATIONS
DISCHARGE BORE	50 mm	mm
TOTAL HEAD	MAX. 15.7 m	m
CAPACITY	MAX. 0.34 m ³ /min	m ³ /min
MOTOR OUTPUT	0.75 kW	kW
PHASE × VOLTAGE	1 φ × V	φ × V
CURRENT	A	A
POLES / REVOLUTION	2 P / S. S. 3000 min ⁻¹	P / min ⁻¹
STARTING METHOD	CAPACITOR MOTOR	
INSULATION CLASS	E	

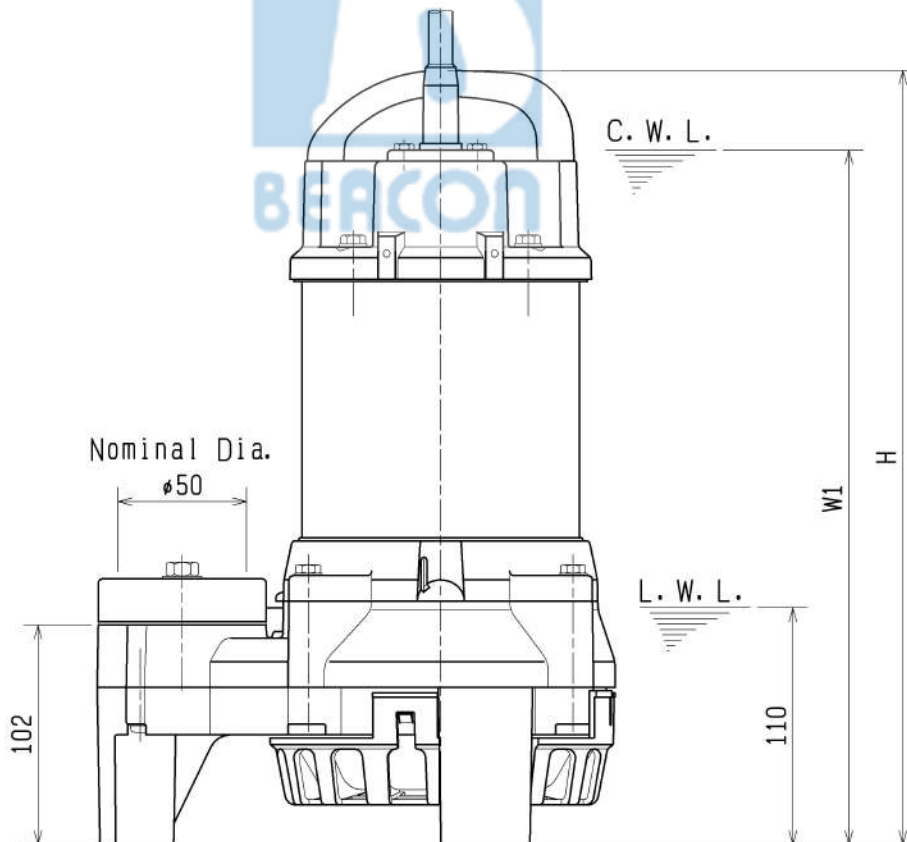
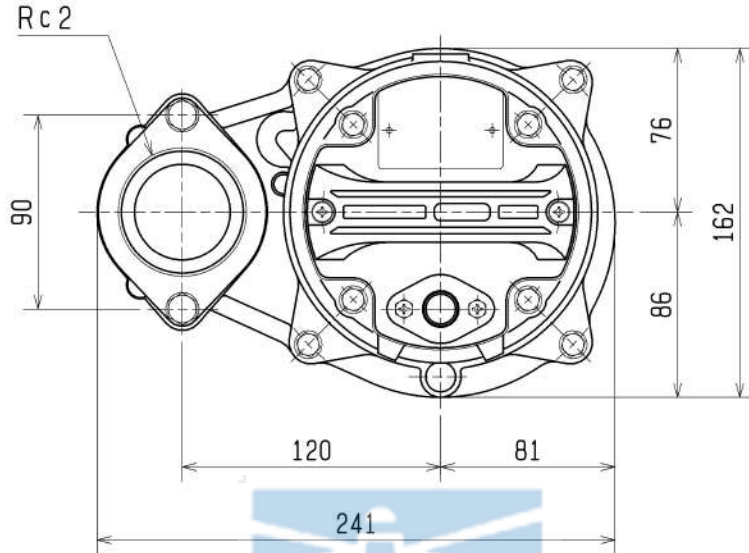


TSURUMI MFG. CO., LTD.

DIMENSION DRAWING		No.	No. A-22012-2
TYPE	Submersible Resin-made Wastewater Pump	MODEL	50PNI2.4S -51 50PNI2.75S -51

MODEL	W1	H	Approximate Weight (※)
50PNI2.4S -51	325	360	7.2kg
50PNI2.75S-51	345	380	9.3kg

※excluding cable



C.W.L. :Continuous running Water Level
L.W.L. :Lowest running Water Level



Water Feature Pump

Submersible

Energy-Saving Type

50PNI2.4S
50PNI2.75S

Food Grade Lubricant used is
Fish Friendly



Applications

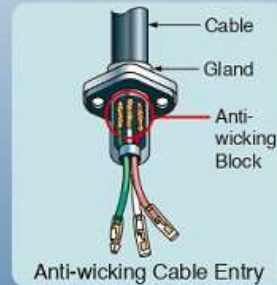
- Circulating water in waterscape garden.
(e.g. fish pond, artificial waterfall, fountain, etc.)
- Draining wastewater from residence, hotel, restaurant, etc.
- Pumping rainwater and springwater from basement.

Amenics

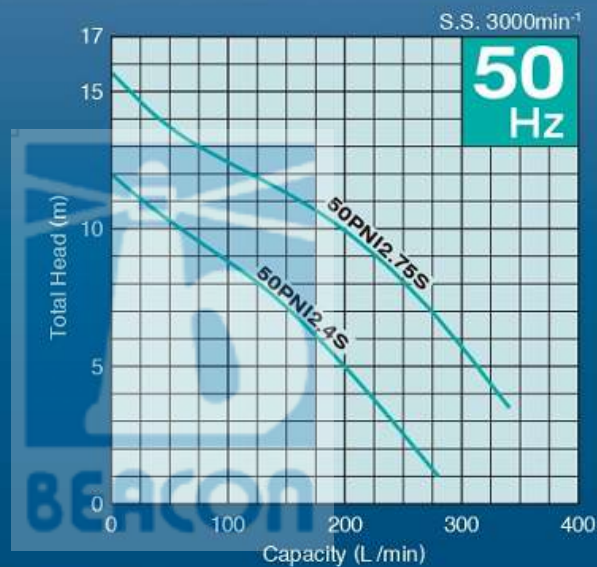
Amenities from Technology
for People and the Earth

Features

- ✔ Anti-wicking Cable Entry
- ✔ Motor Protector
- ✔ Dual Inside Mechanical Seal
- ✔ Oil Lifter (Patented)
- ✔ Liquid Paraffin Oil
- ✔ Air Release Valve
- ✔ Back Pull-out Design
- ✔ Removable Handle



Performance Curves



Standard Specifications

Pump	Discharge Bore	50mm
	Discharge Connection	Screwed Flange
	Impeller	Vortex / Glass-fiber Reinforced Resin
	Casing	Glass-fiber Reinforced Resin
	Shaft Seal	Double Mechanical Seal (with Oil Lifter) / Silicon Carbide
Motor	Lubricant	Liquid Paraffin (ISO VG32)
	Output	0.4 • 0.75kW
	Phase	Single
	Type	Dry-type Submersible Induction Motor 2-pole / 50Hz
	Protection Device (Built-in)	Miniature Thermal Protector — 0.4kW Circle Thermal Protector — 0.75kW
Measurement	Cable	5m / PVC
	Dimensions L x W x H	241 x 162 x 360 • 241 x 162 x 380mm
	Dry Weight (excluding Cable)	7.2 • 9.3kg

* We reserve the right to change the specifications and designs for improvement without prior notice.

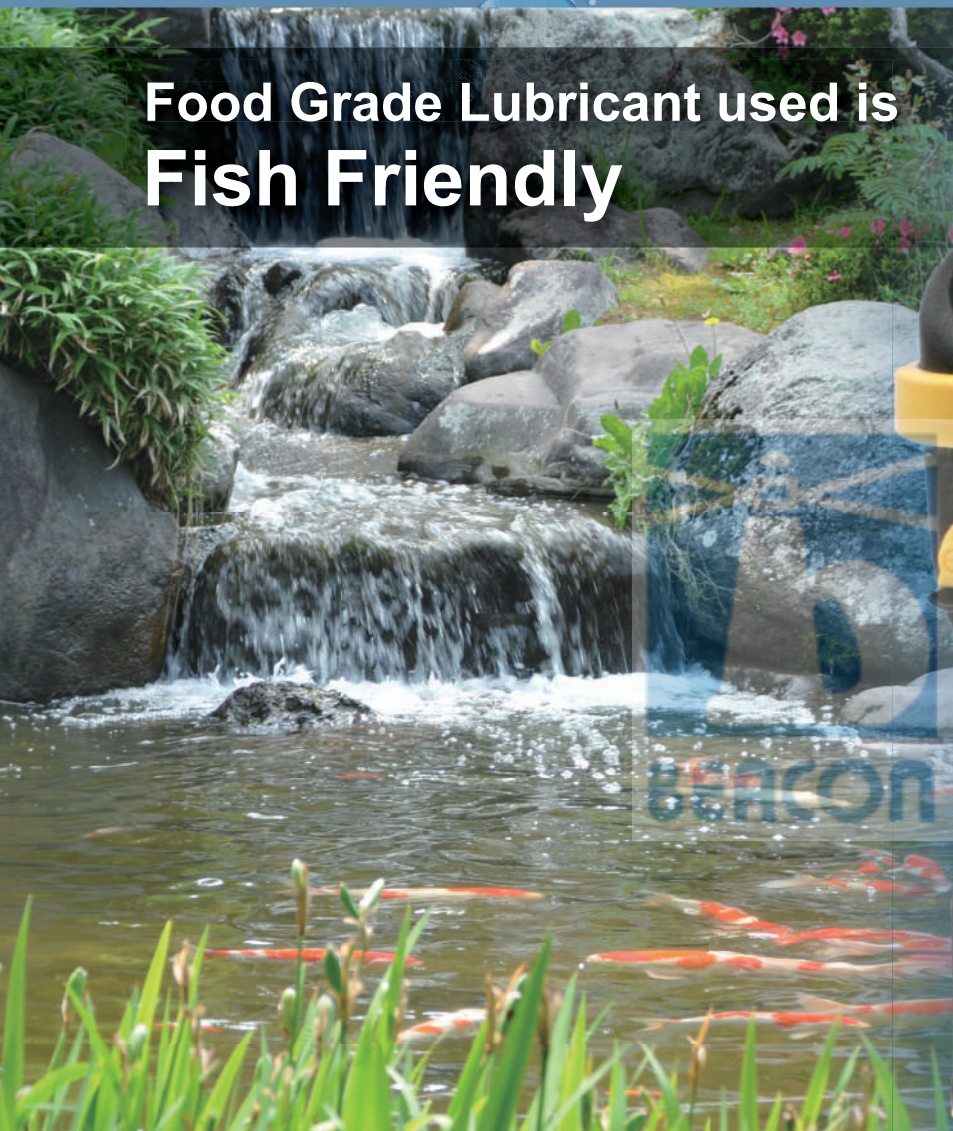


Energy-Saving Type

Submersible Water Feature Pump

50PNI2.4S (Auto) 50PNI2.75S (Auto)

Food Grade Lubricant used is
Fish Friendly



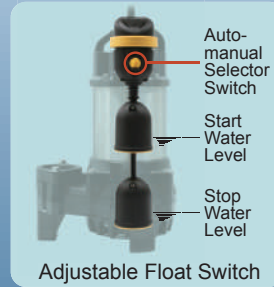
Applications

- Circulating water in waterscape garden. (e.g. fish pond, artificial waterfall, fountain, etc.)
- Draining wastewater from residence, hotel, restaurant, etc.
- Pumping rainwater and springwater from basement.

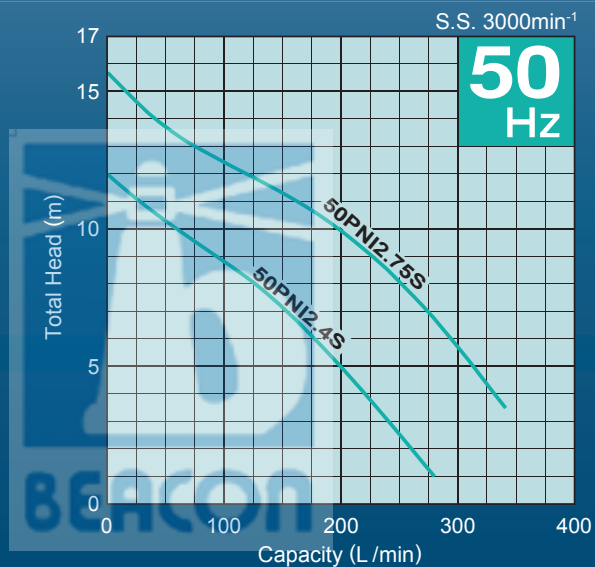
Amenics
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for People and the Earth

Features

-  Adjustable Float Switch
-  Motor Protector
-  Dual Inside Mechanical Seal
-  Oil Lifter (Patented)
-  Liquid Paraffin Oil
-  Air Release Valve
-  Back Pull-out Design
-  Removable Handle



Performance Curves



Standard Specifications

Pump	Discharge Bore	50mm
	Discharge Connection	Screwed Flange
	Impeller	Vortex / Glass-fiber Reinforced Resin
	Casing	Glass-fiber Reinforced Resin
	Shaft Seal	Double Mechanical Seal (with Oil Lifter) / Silicon Carbide
	Lubricant	Liquid Paraffin (ISO VG32)
Motor	Output	0.4 • 0.75kW
	Phase	Single
	Type	Dry-type Submersible Induction Motor 2-pole / 50Hz
	Protection Device (Built-in)	Miniature Thermal Protector — 0.4kW Circle Thermal Protector — 0.75kW
	Cable	5m / Chloroprene Rubber
Measurement	Dimensions L x W x H	241 x 252 x 360 • 241 x 252 x 380mm
	Dry Weight (excluding Cable)	7.4 • 9.5kg

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