

# PRORIL

## SEWAGE PUMPS

CUTTER PUMPS

NON-CLOG PUMPS

DRAINAGE PUMPS

GRINDER PUMPS

SINGLE CHANNEL PUMPS

VORTEX SEWAGE PUMPS

VORTEX & AGITATOR PUMPS



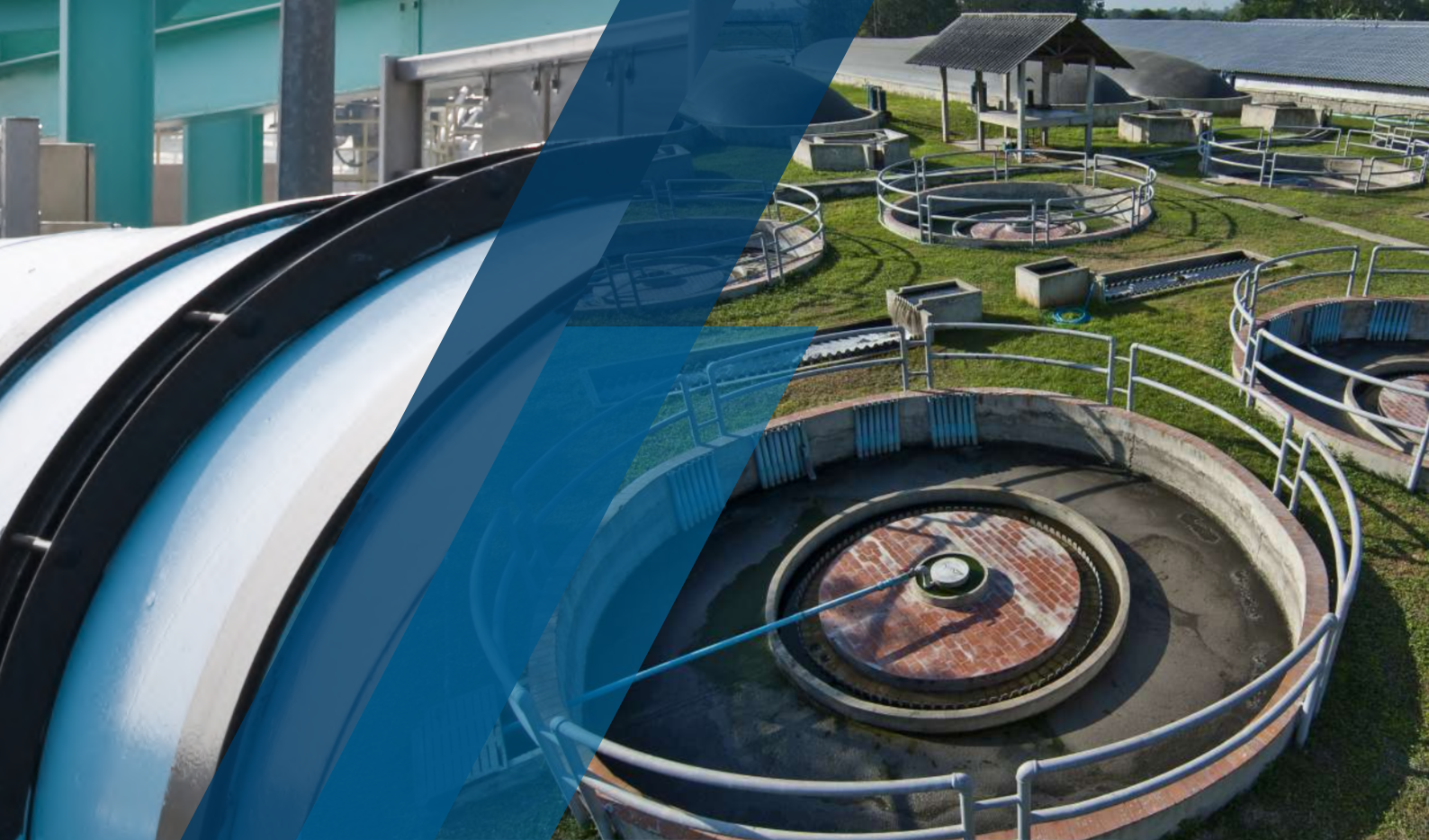
50 Hz



# SUBMERSIBLE SEWAGE PUMPS

Robust Design, Real Quality

Designed for excellent performance, low energy consumption, and easy maintenance, PRORIL submersible sewage pumps serve a wide range of sewage transport applications. They are ideal for residential, commercial, industrial sewage transferring, wastewater treatment plant, site drainage, etc.



# SEWAGE PUMPS

## COMMON FEATURES

### 1 Watertight Cable Entry

The cable entry employs an anti-wicking block where each conductor is stripped and encapsulated in epoxy. This feature effectively prevents water from penetrating the motor chamber when the cable end is submerged or the cable sheath is damaged.

### 2 Motor Protector

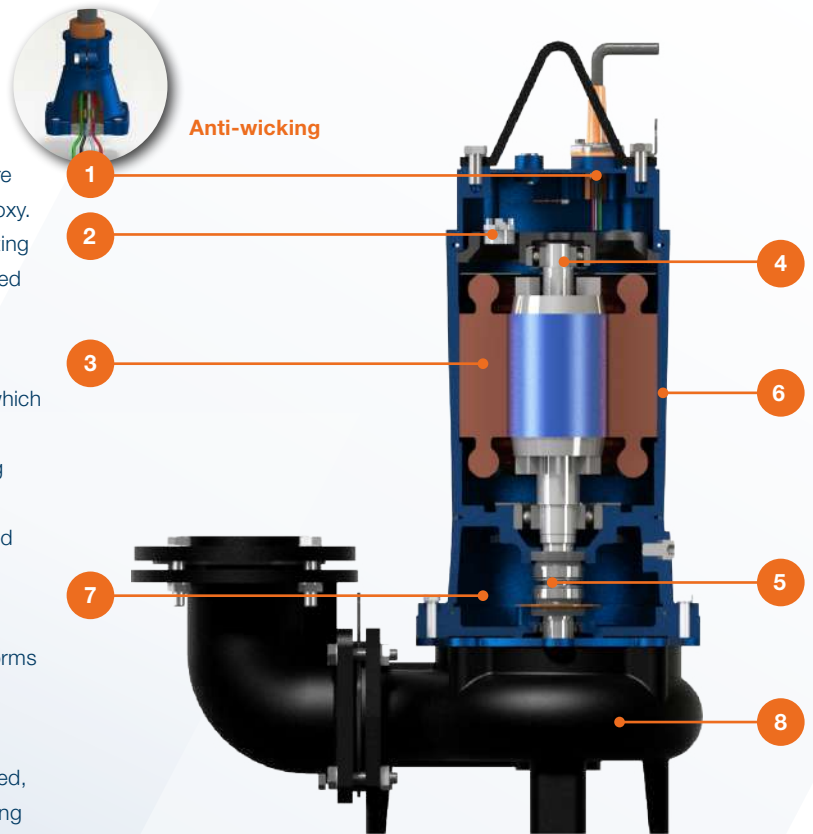
The motor incorporates a motor protection device which protects against overheating and dry-run. Pumps with a capacitor-run or direct-on line starting motor are equipped with a circle thermal protector. Pumps with a start-delta starting motor are equipped with miniature thermal protectors in each phase.

### 3 Submersible Motor

Air filled motor, housed in a watertight casing, conforms to Class F insulation.

### 4 C3 Ball Bearings and Hardened SS Shaft

High quality of C3 ball bearings and the well-balanced, hardened stainless steel shaft enhance stability during continuous pumping operations.



The above images are for illustration purposes only, please refer to datasheets for more details.

### 5 Double Mechanical Seals

Located in the oil chamber, the device is made of quality materials with highly wear-resistant silicon carbide in lower side that provides extra protection against leakage and dry-run.

### 6 Rugged Cast Iron Design

The whole cast iron pump features a simple, robust structure that provides durability and impact resistance to rough conditions.

### 7 Food Grade Lubricant

PRORIL adopts eco-friendly lubricant to minimize environmental impacts.

### 8 Impellers and Volutes

Types of impellers and volutes are varied with pump models, cultivated through years of experience in the pump manufacturing industry. They include single channel impellers, vortex impellers, semi-open impellers, grinders, and agitators.



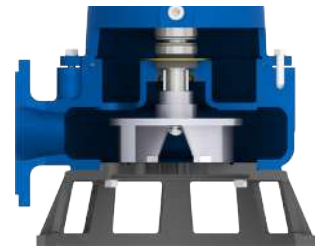
## GOCUT SERIES CUTTER PUMPS

**Discharge Bore :** 50 - 100 mm

**Motor :** 0.75 ~ 3.7 kW, 2-Pole Motor

**Impeller Type :** Semi-Open Channel Cutter impeller

**Features :** Utilizing a cutter mechanism and tungsten carbide alloy to cut fibrous matters and to prevent clogging.



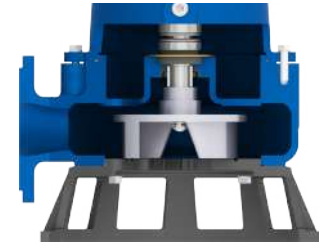
## GOFLOW SERIES NON-CLOG PUMPS

**Discharge Bore :** 50 - 100 mm

**Motor :** 0.75 ~ 3.7 kW, 2-Pole Motor

**Impeller Type :** Semi-Open Channel impeller

**Features :** Wide channel allows solids passing with minimal blockage.



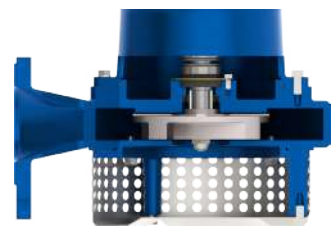
## GOSPIN SERIES DRAINAGE PUMPS

**Discharge Bore :** 50 - 100 mm

**Motor :** 0.4 ~ 3.7 kW, 2-Pole Motor

**Impeller Type :** Semi-Open impeller

**Features :** Offering high performance in various effluent pumping applications.



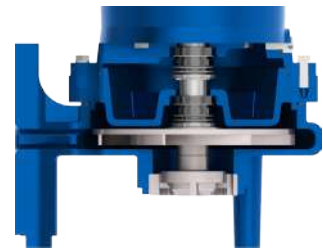
## GOBITS SERIES GRINDER PUMPS

**Discharge Bore :** 32 - 50 mm

**Motor :** 1.1 ~ 5.5 kW, 2-Pole Motor

**Impeller Type :** Vortex impeller

**Features :** Employing a grinding mechanism to prevent clogging, especially ideal for narrow sewer.



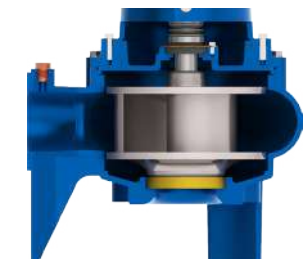
## GOMAX SERIES SINGLE CHANNEL PUMPS

**Discharge Bore :** 80 - 150 mm

**Motor :** 3.7 ~ 22 kW, 4-Pole Motor

**Impeller Type :** Single Channel impeller

**Features :** Passing 76mm diameter solids without clogging.



## GOVOX SERIES VORTEX PUMPS

**Discharge Bore :** 50 - 100 mm

**Motor :** 0.4 ~ 7.5 kW, 2-Pole Motor

**Impeller Type :** Vortex impeller

**Features :** A whirling action enables large solids and fibrous matters to be pumped out without obstruction.



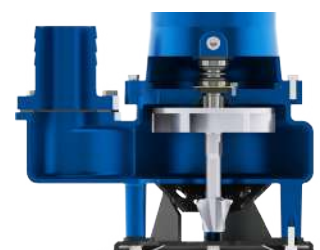
## GOVOX-S SERIES VORTEX & AGITATOR PUMPS

**Discharge Bore :** 80 mm

**Motor :** 2.2 ~ 3.7 kW, 2-Pole Motor

**Impeller Type :** Vortex impeller

**Features :** Coupled with an agitator, which significantly and efficiently improves solids handling.



# GOCUT SERIES

## CUTTER PUMPS

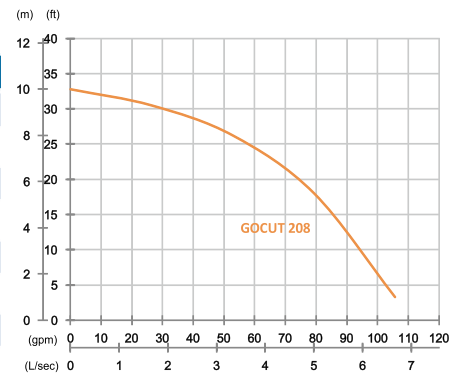
- GOCUT Series pumps are designed for handling raw sewages and various wastewater treatments.
- The cutting mechanism shreds fibrous materials into small pieces to prevent from clogging that would happen on a common pump.
- The cutting mechanism consists of a chopper plate and a tungsten carbide alloy tipped onto each vane of the semi-open channel impeller.
- Guide rail fittings are available on request.

### GOCUT

### 208



GOCUT	208
Outlet	2" (50mm)
Rated Output	0.75kW
Shaft Speed	2850 rpm
Solid Passage	26mm
Height	434mm
Diameter	Ø301mm
Weight	22kg

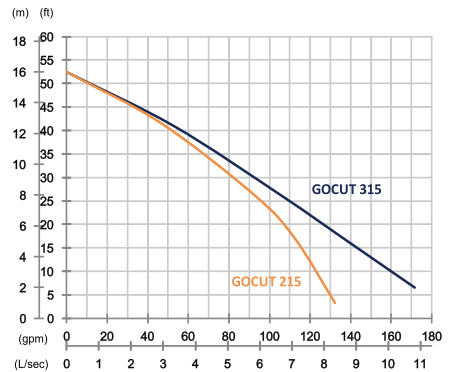


### GOCUT

### 215 315



GOCUT	215	315
Outlet	2" (50mm)	3" (80mm)
Rated Output	1.5kW	1.5kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	27mm	27mm
Height	463mm	463mm
Diameter	Ø301mm	Ø301mm
Weight	27kg	27kg

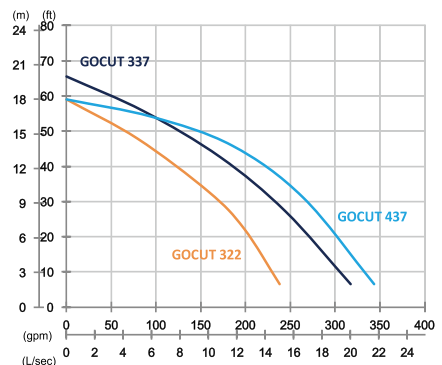


### GOCUT

### 322 337 437



GOCUT	322	337	437
Outlet	3" (80mm)	3" (80mm)	4" (100mm)
Rated Output	2.2kW	3.7kW	3.7kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	27mm	37mm	37mm
Height	642mm	642mm	642mm
Diameter	Ø482mm	Ø482mm	Ø482mm
Weight	55kg	60kg	60kg



# GOFLOW SERIES

## NON-CLOG PUMPS

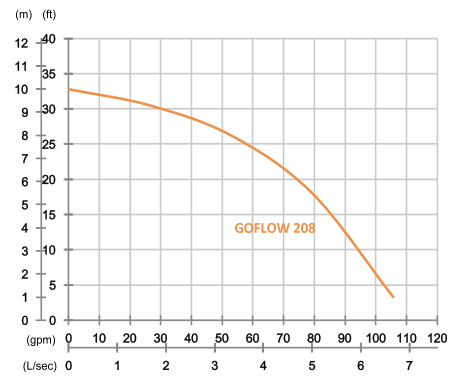
- GOFLOW series pumps are the basic sewage pumps that can handle solids up to 37 mm in diameter without clogging.
- GOFLOW series pumps are equipped with a semi-open channel impeller, a wide channel for the pump to pass solids from inflow to discharge with minimal blockage.
- Guide rail fittings are available on request.

### GOFLOW

### 208



GOFLOW	208
Outlet	2" (50mm)
Rated Output	0.75kW
Shaft Speed	2850 rpm
Solid Passage	26mm
Height	434mm
Diameter	Ø301mm
Weight	22kg

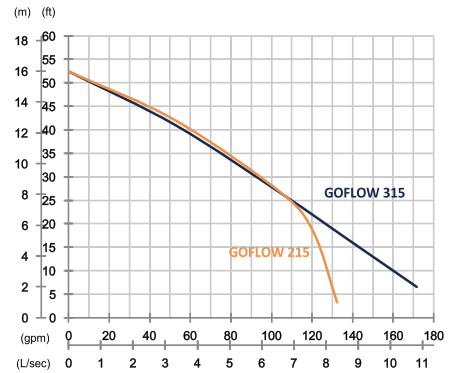


### GOFLOW

### 215 315



GOFLOW	215	315
Outlet	2" (50mm)	3" (80mm)
Rated Output	1.5kW	1.5kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	25mm	25mm
Height	463mm	463mm
Diameter	Ø301mm	Ø301mm
Weight	27kg	27kg

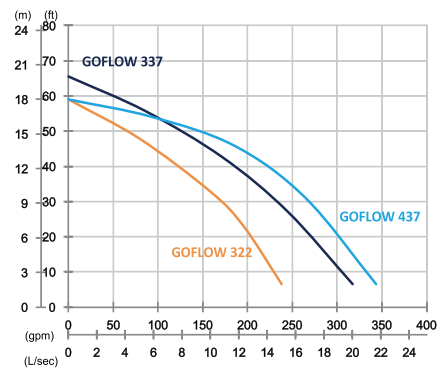


### GOFLOW

### 322 337 437



GOFLOW	322	337	437
Outlet	3" (80mm)	3" (80mm)	4" (100mm)
Rated Output	2.2kW	3.7kW	3.7kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	27mm	37mm	37mm
Height	642mm	642mm	642mm
Diameter	Ø482mm	Ø482mm	Ø482mm
Weight	55kg	60kg	60kg



# GOSPIN SERIES

## DRAINAGE PUMPS

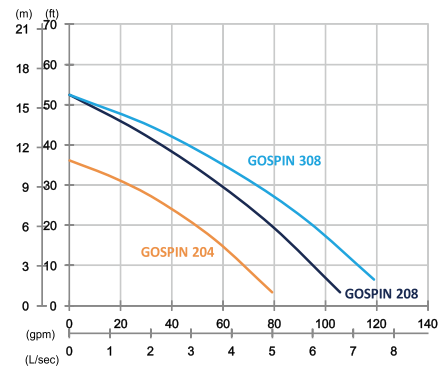
- The GOSPIN series pumps offer top quality and high performance in various effluent pumping applications.
- Stainless steel strainer filters oversized solids and prevent from clogging.
- Guide rail fittings are available on request.

### GOSPIN

### 204 208 308



GOSPIN	204	208	308
Outlet	2" (50mm)	2" (50mm)	3" (80mm)
Rated Output	0.4kW	0.75kW	0.75kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	5.5mm	5.5mm	5.5mm
Height	376mm	438mm	438mm
Diameter	Ø245mm	Ø267mm	Ø281mm
Weight	16kg	21kg	21kg

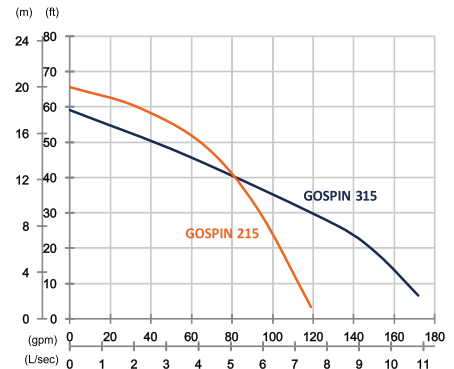


### GOSPIN

### 215 315



GOSPIN	215	315
Outlet	2" (50mm)	3" (80mm)
Rated Output	1.5kW	1.5kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	7mm	7mm
Height	441mm	441mm
Diameter	Ø305mm	Ø305mm
Weight	23kg	23kg

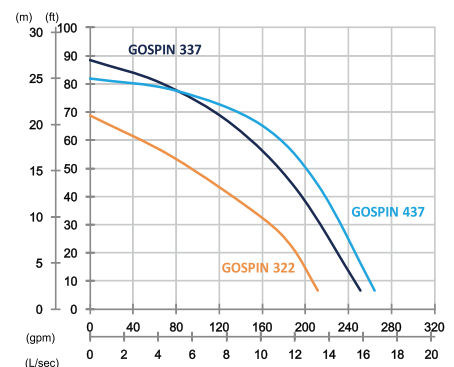


### GOSPIN

### 322 337 437



GOSPIN	322	337	437
Outlet	3" (80mm)	3" (80mm)	4" (100mm)
Rated Output	2.2kW	3.7kW	3.7kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	9mm	9mm	9mm
Height	613mm	613mm	613mm
Diameter	Ø522mm	Ø522mm	Ø522mm
Weight	51kg	56kg	56kg





# GOBITS SERIES

## GRINDER PUMPS

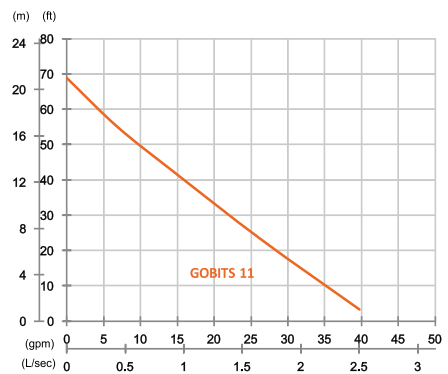
- Designed for high head, GOBITS series pumps effectively grind and transfer solids under high pressure from one place to a higher place or distant place.
- GOBITS series pumps employ a grinding mechanism in the suction inlet to grind fibers, plastic bags, rubber goods, garbage, etc. into small particles before discharging the waste.
- The grinding devices are made of high chrome steel, with the hardness of HRC 55, achieving excellent wear resistance.
- Guide rail fittings are available on request.

### GOBITS

### 11



GOBITS	11
Outlet	1.25 (32mm)
Rated Output	1.1kW
Shaft Speed	2850 rpm
Height	520mm
Diameter	Ø251mm
Weight	27kg

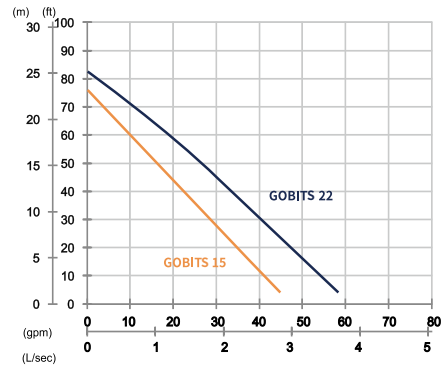


### GOBITS

### 15 22



GOBITS	15	22
Outlet	1.25 (32mm)	2" (50mm)
Rated Output	1.5kW	2.2kW
Shaft Speed	2850 rpm	2850 rpm
Height	583mm	583mm
Diameter	Ø314mm	Ø316mm
Weight	35kg	35kg

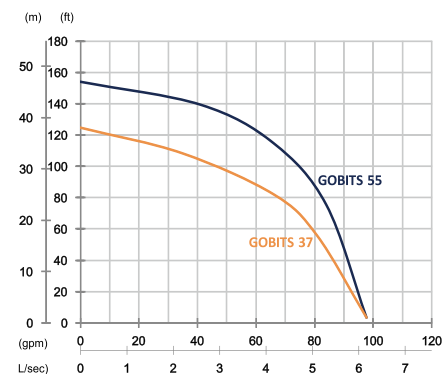


### GOBITS

### 37 55



GOBITS	37	55
Outlet	2" (50mm)	2" (50mm)
Rated Output	3.7kW	5.5kW
Shaft Speed	2850 rpm	2850 rpm
Height	634mm	634mm
Diameter	Ø285mm	Ø285mm
Weight	55kg	61kg



# GOMAX SERIES

## SINGLE CHANNEL PUMPS

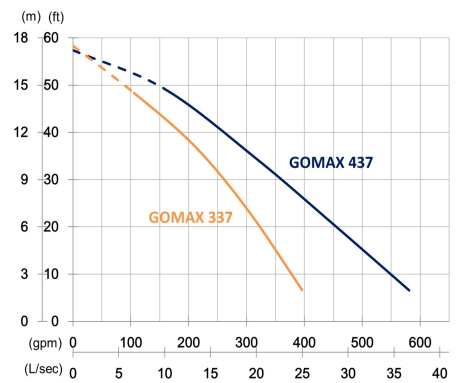
- Designed for passing 76mm diameter solids without clogging, GOMAX series employ a single-channel enclosed impeller to efficiently and reliably transfer raw sewage.
- GOMAX series featured high efficiency, non-clogging, long life, and energy saving.
- The design of air release valve in pump casing prevents air lock.
- GOMAX series are suitable for commercial and industrial wastewater applications.
- Guide rail fittings are available on request.

### GOMAX

### 337 437



GOMAX	337	437
Outlet	3" (80mm)	4" (100mm)
Rated Output	3.7kW	3.7kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	76mm	76mm
Height	750mm	750mm
Diameter	Ø580mm	Ø589mm
Weight	94kg	97kg

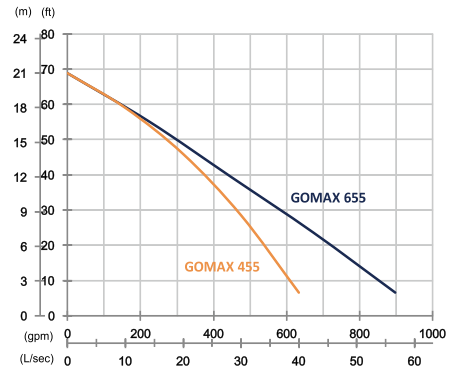


### GOMAX

### 455 655



GOMAX	455	655
Outlet	4" (100mm)	6" (150mm)
Rated Output	5.5kW	5.5kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	76mm	76mm
Height	838mm	838mm
Diameter	Ø693mm	Ø752mm
Weight	132kg	138kg

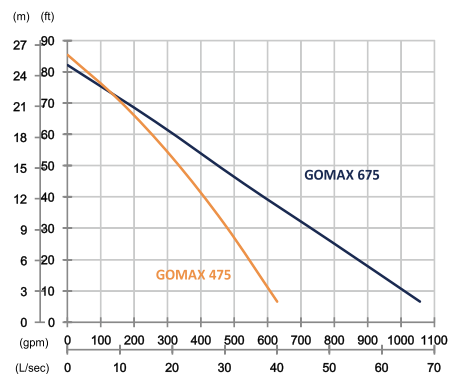


### GOMAX

### 475 675



GOMAX	475	675
Outlet	4" (100mm)	6" (150mm)
Rated Output	7.5kW	7.5kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	76mm	76mm
Height	838mm	838mm
Diameter	Ø693mm	Ø752mm
Weight	142kg	148kg



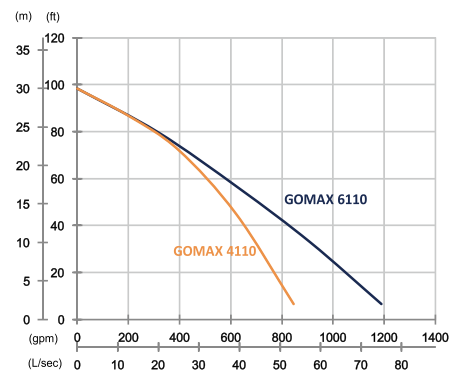


## GOMAX

### 4110 6110



GOMAX	4110	6110
Outlet	4" (100mm)	6" (150mm)
Rated Output	11kW	11kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	76mm	76mm
Height	830mm	830mm
Diameter	Ø753mm	Ø813mm
Weight	167kg	175kg

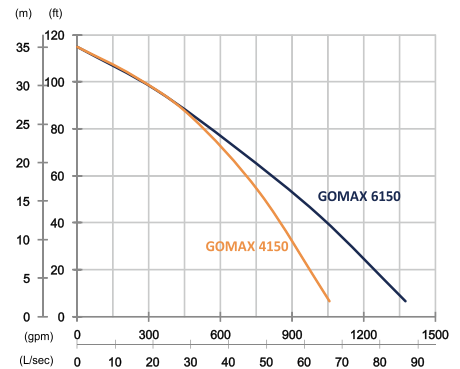


## GOMAX

### 4150 6150



GOMAX	4150	6150
Outlet	4" (100mm)	6" (150mm)
Rated Output	15kW	15kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	76mm	76mm
Height	830mm	830mm
Diameter	Ø753mm	Ø813mm
Weight	178kg	186kg

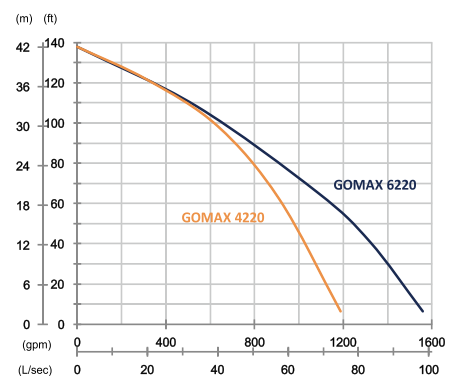


## GOMAX

### 4220 6220



GOMAX	4220	6220
Outlet	4" (100mm)	6" (150mm)
Rated Output	22kW	22kW
Shaft Speed	1450 rpm	1450 rpm
Solid Passage	76mm	76mm
Height	1007mm	1007mm
Diameter	Ø808mm	Ø867mm
Weight	256kg	262kg



# GOVOX SERIES

## VORTEX SEWAGE PUMPS

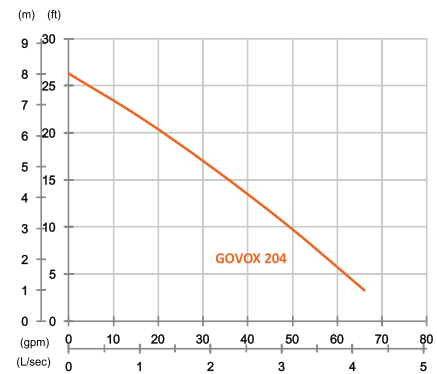
- GOVOX series features its vortex impeller coupled with a wide pump casing. The rotation of the impeller produces a whirling, centrifugal action between the impeller and pump casing. The action enables large solids and fibrous matters to be pumped out without obstruction, leading to less impeller wear and longer pump life.
- Guide rail fittings are available on request.

### GOVOX

### 204



GOVOX	204
Outlet	2" (50mm)
Rated Output	0.4kW
Shaft Speed	2850 rpm
Solid Passage	32mm
Height	395mm
Diameter	Ø243mm
Weight	14kg

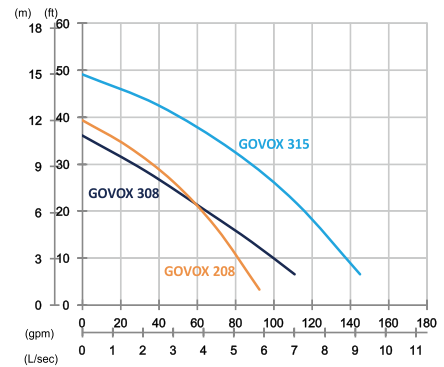


### GOVOX

### 208 308 315



GOVOX	208	308	315
Outlet	2" (50mm)	3" (80mm)	3" (80mm)
Rated Output	0.75kW	0.75kW	1.5kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	37mm	37mm	50mm
Height	473mm	473mm	501mm
Diameter	Ø243mm	Ø257mm	Ø302mm
Weight	20kg	20kg	24kg

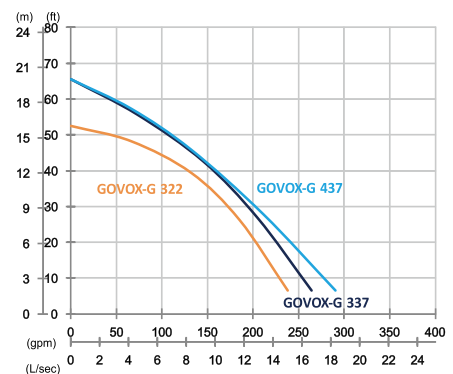


### GOVOX-G

### 322 337 437



GOVOX-G	322	337	437
Outlet	3" (80mm)	3" (80mm)	4" (100mm)
Rated Output	2.2kW	3.7kW	3.7kW
Shaft Speed	2850 rpm	2850 rpm	2850 rpm
Solid Passage	47mm	52mm	52mm
Height	643mm	643mm	643mm
Diameter	Ø464mm	Ø464mm	Ø464mm
Weight	60kg	64kg	64kg

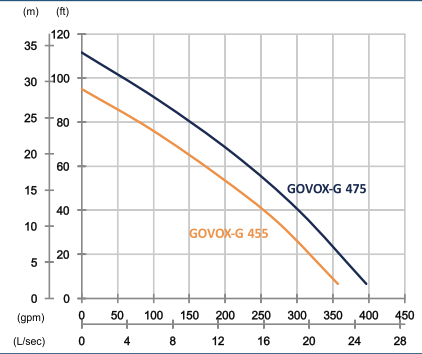


## GOVOX-G

455 475



GOVOX-G	455	475
Outlet	4" (100mm)	4" (100mm)
Rated Output	5.5kW	7.5kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	52mm	52mm
Height	695mm	717mm
Diameter	Ø464mm	Ø464mm
Weight	73kg	75kg

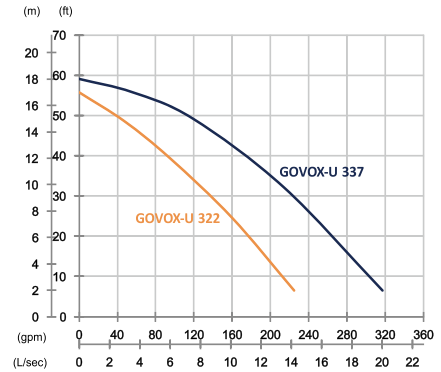


## GOVOX-U

322 337



GOVOX-U	322	337
Outlet	3" (80mm)	3" (80mm)
Rated Output	2.2kW	3.7kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	55mm	55mm
Height	660mm	717mm
Diameter	Ø366mm	Ø376mm
Weight	40kg	49kg

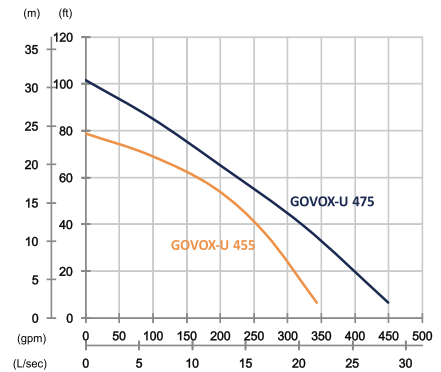


## GOVOX-U

455 475



GOVOX-U	455	475
Outlet	4" (100mm)	4" (100mm)
Rated Output	5.5kW	7.5kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	55mm	55mm
Height	720mm	754mm
Diameter	Ø376mm	Ø389mm
Weight	60kg	67kg



# GOVOX-S SERIES

## VORTEX & AGITATOR PUMPS

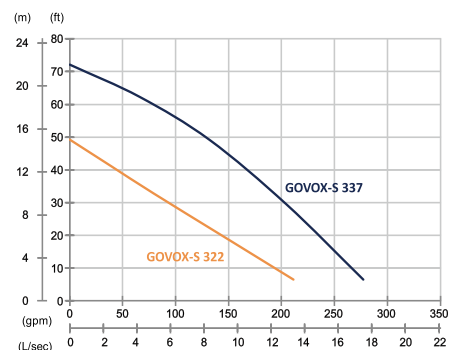
- GOVOX-S series pumps are equipped with an agitator, which forcibly agitates the fluid for easy and efficient transmission of sludge, sand, mud, and debris.
- The agitator prevents air lock that tends to take place on vortex pumps.

## GOVOX-S

322 337



GOVOX-S	322	337
Outlet	3" (80mm)	3" (80mm)
Rated Output	2.2kW	3.7kW
Shaft Speed	2850 rpm	2850 rpm
Solid Passage	13mm	13mm
Height	660mm	718mm
Diameter	Ø373mm	Ø383mm
Weight	43kg	53kg



# GUIDE RAIL FITTING SYSTEMS

The guide rail fitting system connects the pump to and from the piping simply just by lowering and elevating the pump. The mechanism allows easy maintenance and inspection without the need to enter the sump.

Pump models used in combination with the guide rail fitting system can be identified by the following index and reference.



Guide Rail Type	Applicable Models
<b>GRL-02</b>	GOBITS 11/15/22
	GOSPIN 204/208
	GOVOX 204/208
	X-VOX 208/215
<b>GRL-03</b>	GOSPIN 308
	GOVOX 308
<b>GRL-02F</b>	GOCUT 208/215
	GOFLOW 208/215
	GOSPIN 215
<b>GRL-03F</b>	GOCUT 315
	GOFLOW 315
	GOSPIN 315
	GOVOX 315
<b>GRF-03</b>	GOCUT 322/337
	GOFLOW 322/337
	GOSPIN 322/337
	GOVOX-G 322/337
<b>GRF-04</b>	GOCUT 437
	GOFLOW 437
	GOSPIN 437
	GOVOX-G 437/455/475
<b>GRG-02</b>	GOBITS 37/55
<b>GRN-03</b>	GOMAX 337/437
<b>GRN-04</b>	GOMAX 455/655/475/675
	GOMAX 475/675
	GOMAX 4110/6110
	GOMAX 4150/6150
	GOMAX 4220/6220

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## PRORIL

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PRORIL was established in 1979, starting from a small motor factory where it has transformed itself into a global size submersible pump manufacturer. Its perseverance and dedication of making high quality products and maintaining a strong working etiquette are mere images of the founder's belief and philosophy that contribute to the success of PRORIL.

With decades of experiences, PRORIL specializes in submersible pump manufacturing service, and continues investing in the fluid dynamics design, motor efficiency enhancement, and R&D of various metal alloys. The integration of upstream and downstream suppliers has completed the manufacturing chain that PRORIL proudly offers to its customers. PRORIL goes through stringent quality procedures where its quality management system conforms to the global standards.

Up to now, PRORIL had recognized by various international awards by the persistence of product quality and continuous improvement according to market demand. Through the recognition of the awards, PRORIL is more determined to provide better services and products to customers.

Today, PRORIL has developed a complete product line that covers dewatering pumps, sewage pumps, slurry pumps, and others. They are applicable in general drainage, construction, industrial sites, wastewater treatment, sludge removal, and so on. Furthermore, PRORIL's professional R&D team continuously improves the product performance to meet various needs in tough dewatering applications.

The success of PRORIL has been based on unyielding commitment and attitude to technical excellence and unparalleled dedication to customer service. Honesty and integrity have further contributed to a worldwide collaboration and connection to a long-term sustainable relationship with all our customers. In future, PRORIL will continue to excel and serve every PRORIL's customer with our professionalism, enthusiasm, and trust.



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## MORE PRODUCTS

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**DEWATERING PUMPS**



**HANDY & RESIDUE PUMPS**



**SLURRY & SAND PUMPS**



**STAINLESS STEEL PUMPS**



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**PRORIL PUMPS CORPORATION**

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