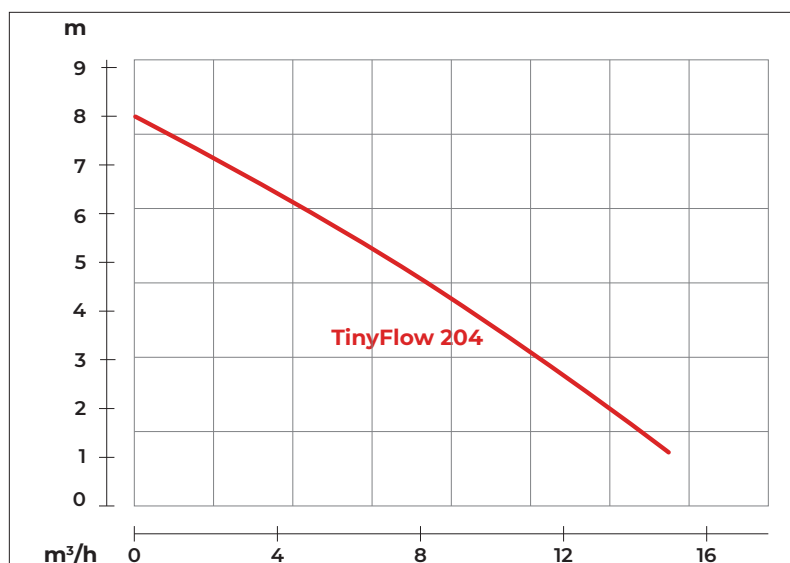
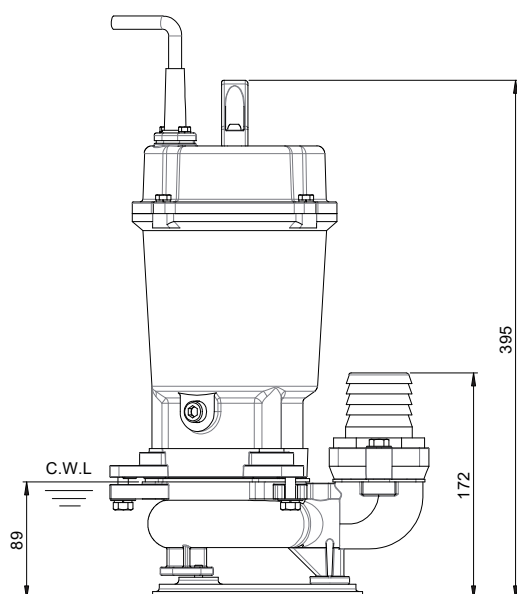
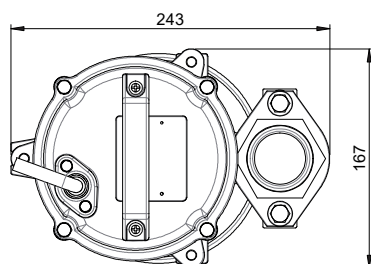




Shaft Speed : 2850 rpm

Solid Passage : 32 mm

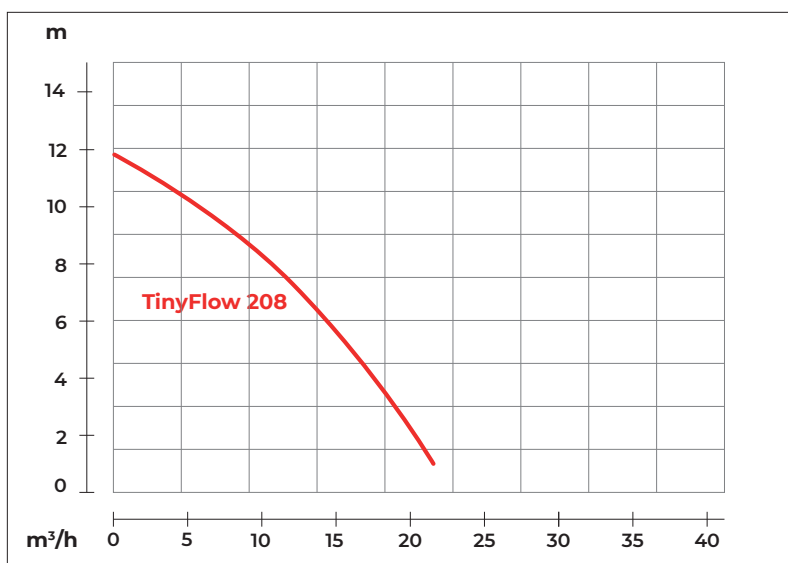
Outlet : 50mm, 2in



Weight : 13.5kg / 30 lbs

| OUTPUT | HEAD             | FLOW                  |
|--------|------------------|-----------------------|
| 0.4 kW | Rated : 5m, 16ft | Rated : 2 l/s, 32 gpm |
| 0.5 HP | Max : 8m, 26ft   | Max : 4.2 l/s, 66 gpm |

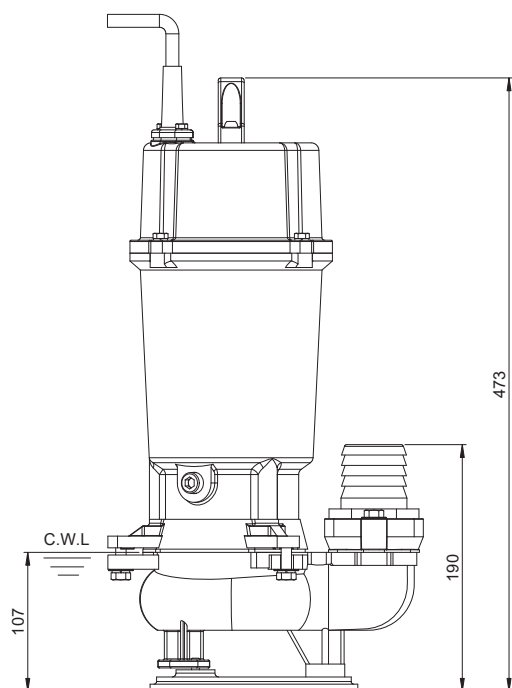
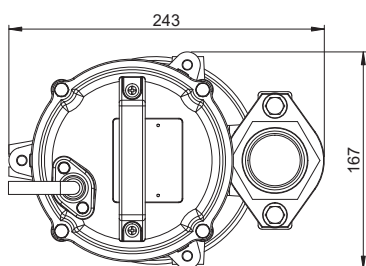
|                         |             |                                            |
|-------------------------|-------------|--------------------------------------------|
| Pump Type               |             | Electric Submersible Pumps                 |
|                         |             | 1-Phase, 3-Phase                           |
| Motor                   | Type        | Induction Motor                            |
|                         | Poles       | 2 Pole                                     |
|                         | Insulation  | Class F                                    |
|                         | Protector   | Circle Thermal Protector                   |
|                         | Starter     | 1-Phase • Capacitor-Run                    |
| Lubricant               |             | Food Grade (ISO VG32)                      |
| Impeller Type           |             | Vortex                                     |
| Shaft Seal              |             | Double Mechanical Seal                     |
|                         |             | Silicon Carbide VS Ceramic / Carbon        |
| Bearings                |             | C3 Shielded ball bearings                  |
| Cable                   |             | H07RNF                                     |
|                         |             | Length: 10m (33ft) or longer upon request. |
| Materials               | Pump Casing | Gray Iron                                  |
|                         | Impeller    | Gray Iron                                  |
|                         | Motor Frame | Gray Iron                                  |
|                         | Motor Shaft | Stainless Steel                            |
| Max. Liquid Temperature |             | 104°F (40°C)                               |
| Max. Submersion Depth   |             | 66ft (20m)                                 |
| pH Range                |             | pH 5 - pH 8                                |
| Accessories             |             | GRL-02                                     |



Shaft Speed : 2850 rpm

Solid Passage : 37 mm

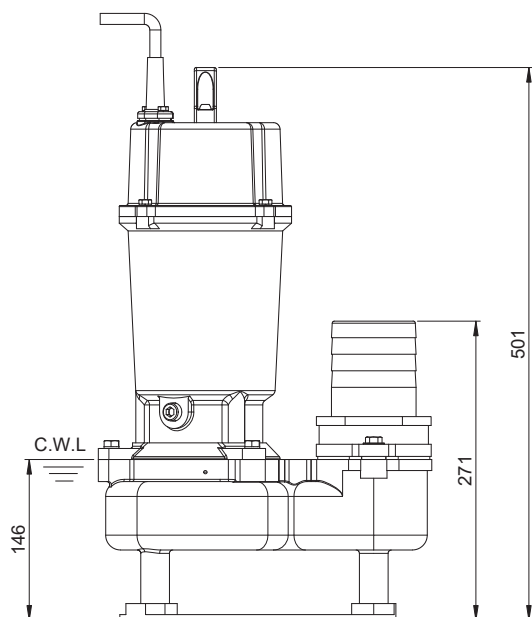
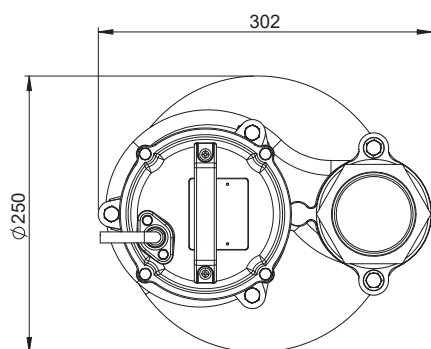
Outlet : 50mm, 2in



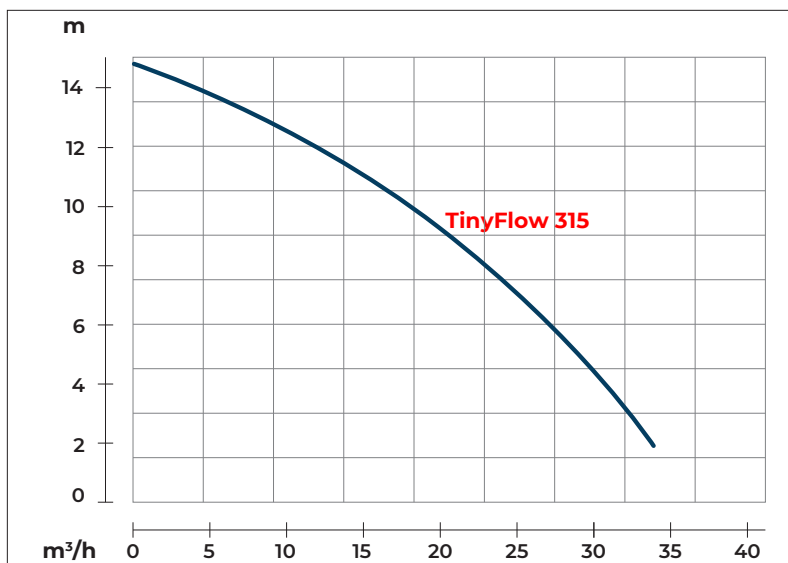
Weight : 19.5kg / 43 lbs

| OUTPUT  | HEAD             | FLOW                  |
|---------|------------------|-----------------------|
| 0.75 kW | Rated : 8m, 26ft | Rated : 3 l/s, 48 gpm |
| 1 HP    | Max : 12m, 39ft  | Max : 5.8 l/s, 92 gpm |

|                         |             |                                                               |
|-------------------------|-------------|---------------------------------------------------------------|
| Pump Type               |             | Electric Submersible Pumps                                    |
|                         |             | 1-Phase                                                       |
| Motor                   | Type        | Induction Motor                                               |
|                         | Poles       | 2 Pole                                                        |
|                         | Insulation  | Class F                                                       |
|                         | Protector   | Circle Thermal Protector                                      |
|                         | Starter     | 1-Phase • Capacitor-Run                                       |
| Lubricant               |             | Food Grade (ISO VG32)                                         |
| Impeller Type           |             | Vortex                                                        |
| Shaft Seal              |             | Double Mechanical Seal<br>Silicon Carbide VS Ceramic / Carbon |
| Bearings                |             | C3 Shielded ball bearings                                     |
| Cable                   |             | H07RNF<br>Length: 10m (33ft) or longer upon request.          |
| Materials               | Pump Casing | Gray Iron                                                     |
|                         | Impeller    | Gray Iron                                                     |
|                         | Motor Frame | Gray Iron                                                     |
|                         | Motor Shaft | Stainless Steel                                               |
| Max. Liquid Temperature |             | 104°F (40°C)                                                  |
| Max. Submersion Depth   |             | 66ft (20m)                                                    |
| pH Range                |             | pH 5 - pH 8                                                   |
| Accessories             |             | GRL-02                                                        |



Weight : 24kg / 53 lbs



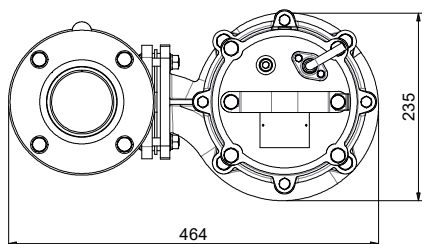
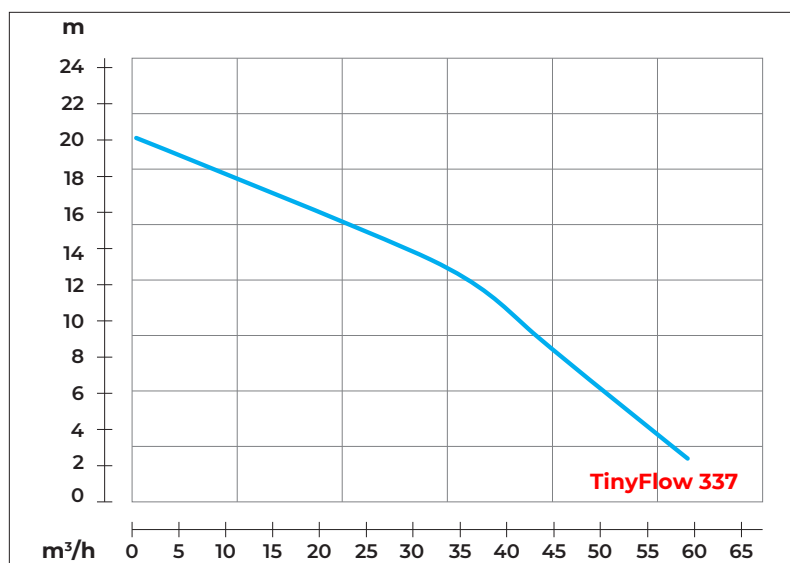
Shaft Speed : 2850 rpm

Solid Passage : 50 mm

Outlet : 80mm, 3in

| OUTPUT | HEAD              | FLOW                   |
|--------|-------------------|------------------------|
| 1.5 kW | Rated : 10m, 33ft | Rated : 5 l/s, 79 gpm  |
| 2 HP   | Max : 15m, 49ft   | Max : 9.2 l/s, 145 gpm |

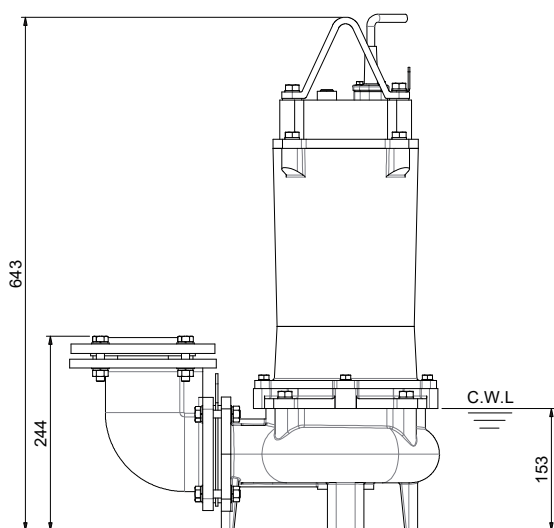
|                         |             |                                            |
|-------------------------|-------------|--------------------------------------------|
| Pump Type               |             | Electric Submersible Pumps                 |
|                         |             | 1-Phase, 3-Phase                           |
| Motor                   | Type        | Induction Motor                            |
|                         | Poles       | 2 Pole                                     |
|                         | Insulation  | Class F                                    |
|                         | Protector   | Circle Thermal Protector                   |
|                         | Starter     | 1-Phase • Capacitor-Run, 3-Phase • D.O.L.  |
| Lubricant               |             | Food Grade (ISO VG32)                      |
| Impeller Type           |             | Vortex                                     |
| Shaft Seal              |             | Double Mechanical Seal                     |
|                         |             | Silicon Carbide VS Ceramic / Carbon        |
| Bearings                |             | C3 Shielded ball bearings                  |
| Cable                   |             | H07RNF                                     |
|                         |             | Length: 10m (33ft) or longer upon request. |
| Materials               | Pump Casing | Gray Iron                                  |
|                         | Impeller    | Gray Iron                                  |
|                         | Motor Frame | Gray Iron                                  |
|                         | Motor Shaft | Stainless Steel                            |
| Max. Liquid Temperature |             | 104°F (40°C)                               |
| Max. Submersion Depth   |             | 66ft (20m)                                 |
| pH Range                |             | pH 5 - pH 8                                |
| Accessories             |             | GRL-03F                                    |



Shaft Speed : 2850 rpm    Solid Passage : 52 mm    Outlet : 80mm, 3in

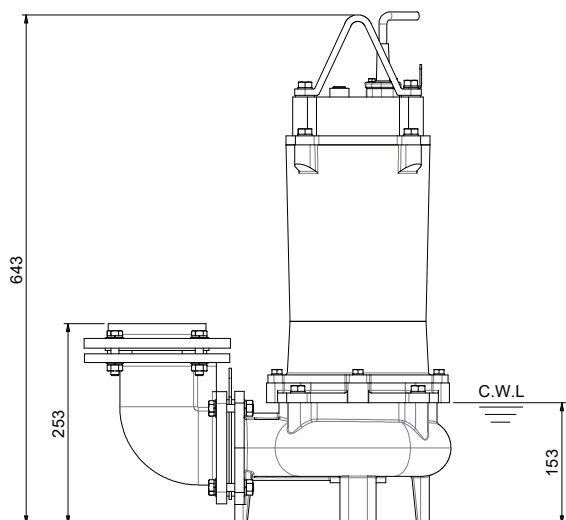
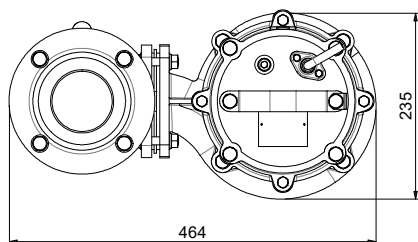
| OUTPUT | HEAD              | FLOW                     |
|--------|-------------------|--------------------------|
| 3.7 kW | Rated : 13m, 43ft | Rated : 8.3 l/s, 132 gpm |
| 5 HP   | Max : 20m, 66ft   | Max : 16.7 l/s, 264 gpm  |

|                         |             |                                            |
|-------------------------|-------------|--------------------------------------------|
| Pump Type               |             | Electric Submersible Pumps                 |
|                         |             | 3-Phase                                    |
| Motor                   | Type        | Induction Motor                            |
|                         | Poles       | 2 Pole                                     |
|                         | Insulation  | Class F                                    |
|                         | Protector   | Circle Thermal Protector                   |
|                         | Starter     | D.O.L.                                     |
| Lubricant               |             | Food Grade (ISO VG32)                      |
| Impeller Type           |             | Vortex                                     |
| Shaft Seal              |             | Double Mechanical Seal                     |
|                         |             | Silicon Carbide VS Ceramic / Carbon        |
| Bearings                |             | C3 Shielded ball bearings                  |
| Cable                   |             | H07RNF                                     |
|                         |             | Length: 10m (33ft) or longer upon request. |
| Materials               | Pump Casing | Gray Iron                                  |
|                         | Impeller    | Gray Iron                                  |
|                         | Motor Frame | Gray Iron                                  |
|                         | Motor Shaft | Stainless Steel                            |
| Max. Liquid Temperature |             | 104°F (40°C)                               |
| Max. Submersion Depth   |             | 66ft (20m)                                 |
| pH Range                |             | pH 5 - pH 8                                |
| Accessories             |             | GRF-03                                     |

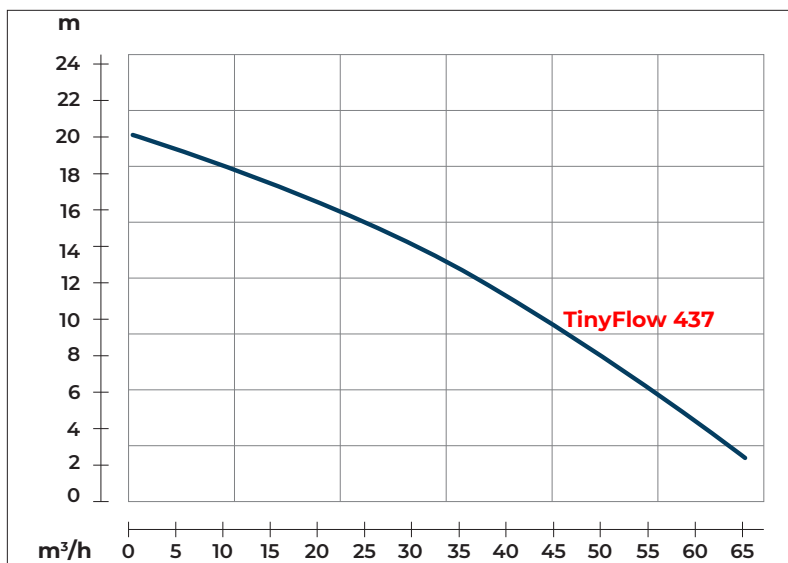


Weight : 64kg / 141 lbs





Weight : 64kg / 141 lbs



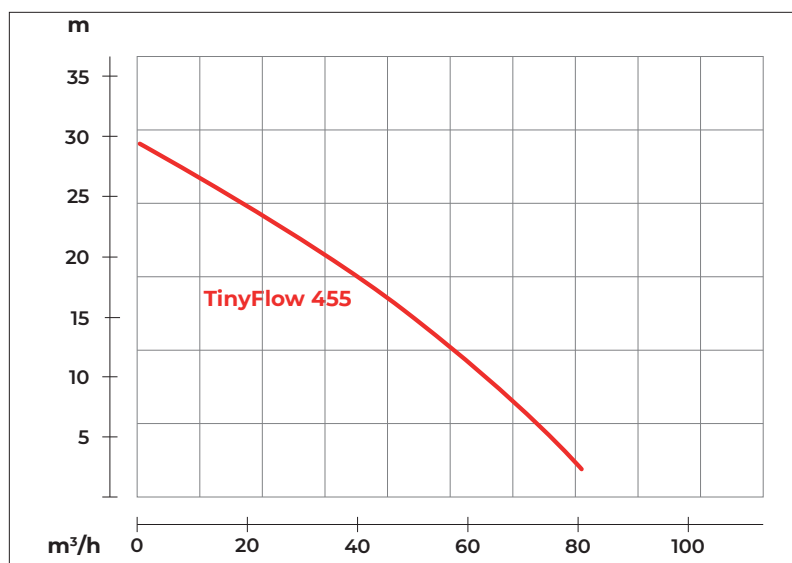
Shaft Speed : 2850 rpm

Solid Passage : 52 mm

Outlet : 100mm, 4in

| OUTPUT | HEAD              | FLOW                     |
|--------|-------------------|--------------------------|
| 3.7 kW | Rated : 14m, 46ft | Rated : 8.3 l/s, 132 gpm |
| 5 HP   | Max : 20m, 66ft   | Max : 18.3 l/s, 290 gpm  |

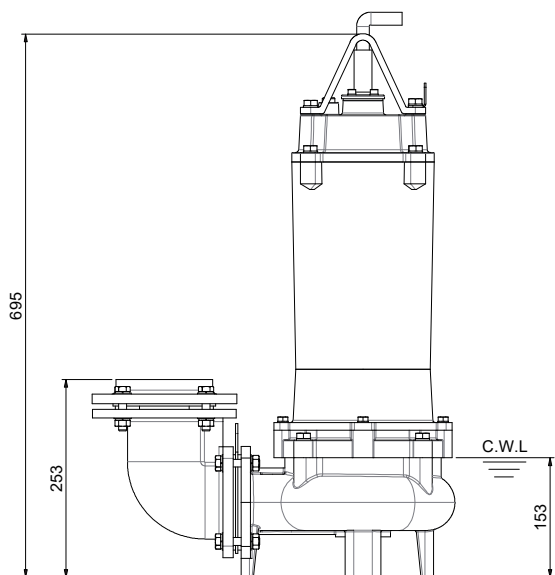
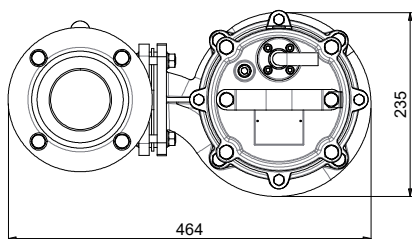
|                         |             |                                                               |
|-------------------------|-------------|---------------------------------------------------------------|
| Pump Type               |             | Electric Submersible Pumps                                    |
|                         |             | 3-Phase                                                       |
| Motor                   | Type        | Induction Motor                                               |
|                         | Poles       | 2 Pole                                                        |
|                         | Insulation  | Class F                                                       |
|                         | Protector   | Circle Thermal Protector                                      |
|                         | Starter     | D.O.L.                                                        |
| Lubricant               |             | Food Grade (ISO VG32)                                         |
| Impeller Type           |             | Vortex                                                        |
| Shaft Seal              |             | Double Mechanical Seal<br>Silicon Carbide VS Ceramic / Carbon |
| Bearings                |             | C3 Shielded ball bearings                                     |
| Cable                   |             | H07RNF<br>Length: 10m (33ft) or longer upon request.          |
| Materials               | Pump Casing | Gray Iron                                                     |
|                         | Impeller    | Gray Iron                                                     |
|                         | Motor Frame | Gray Iron                                                     |
|                         | Motor Shaft | Stainless Steel                                               |
| Max. Liquid Temperature |             | 104°F (40°C)                                                  |
| Max. Submersion Depth   |             | 66ft (20m)                                                    |
| pH Range                |             | pH 5 - pH 8                                                   |
| Accessories             |             | GRF-04                                                        |



Shaft Speed : 2850 rpm

Solid Passage : 52 mm

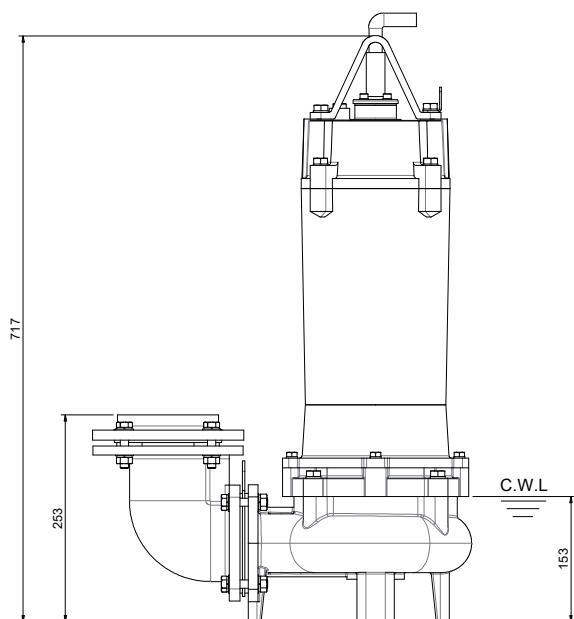
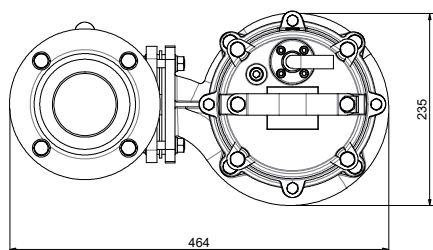
Outlet : 100mm, 4in



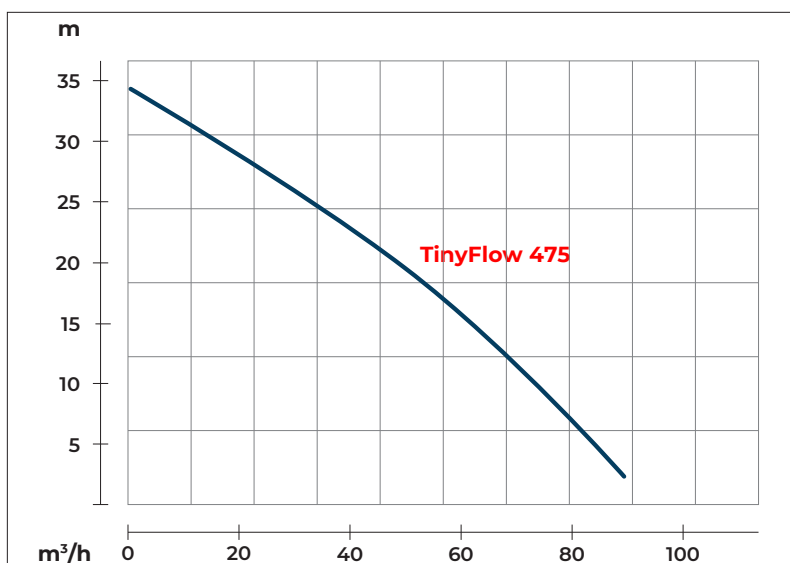
Weight : 72.5kg / 160 lbs

| OUTPUT | HEAD              | FLOW                    |
|--------|-------------------|-------------------------|
| 5.5 kW | Rated : 17m, 56ft | Rated : 12 l/s, 190 gpm |
| 7.5 HP | Max : 29m, 95ft   | Max : 22.5 l/s, 356 gpm |

|                         |             |                                            |
|-------------------------|-------------|--------------------------------------------|
| Pump Type               |             | Electric Submersible Pumps                 |
|                         |             | 3-Phase                                    |
| Motor                   | Type        | Induction Motor                            |
|                         | Poles       | 2 Pole                                     |
|                         | Insulation  | Class F                                    |
|                         | Protector   | Circle Thermal Protector                   |
|                         | Starter     | D.O.L.                                     |
| Lubricant               |             | Food Grade (ISO VG32)                      |
| Impeller Type           |             | Vortex                                     |
| Shaft Seal              |             | Double Mechanical Seal                     |
|                         |             | Silicon Carbide VS Ceramic / Carbon        |
| Bearings                |             | C3 Shielded ball bearings                  |
| Cable                   |             | H07RNF                                     |
|                         |             | Length: 10m (33ft) or longer upon request. |
| Materials               | Pump Casing | Gray Iron                                  |
|                         | Impeller    | Gray Iron                                  |
|                         | Motor Frame | Gray Iron                                  |
|                         | Motor Shaft | Stainless Steel                            |
| Max. Liquid Temperature |             | 104°F (40°C)                               |
| Max. Submersion Depth   |             | 66ft (20m)                                 |
| pH Range                |             | pH 5 - pH 8                                |
| Accessories             |             | GRF-04                                     |



Weight : 75kg / 165 lbs



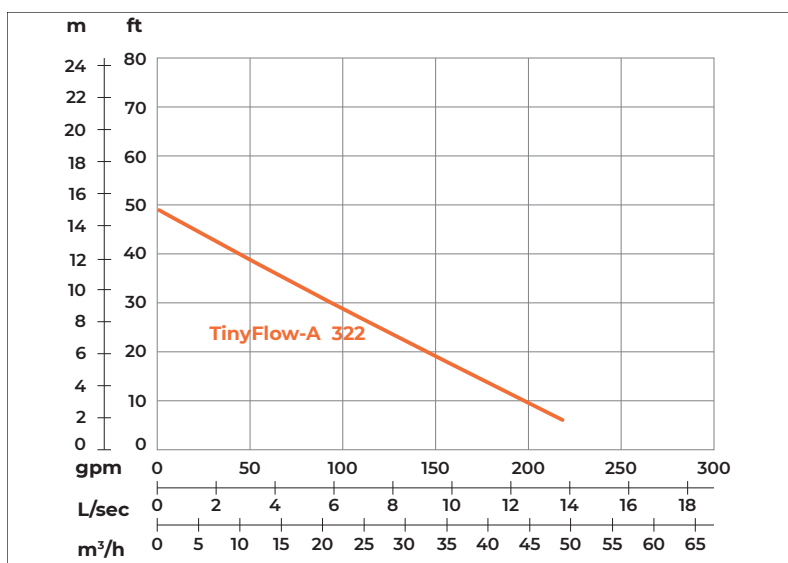
Shaft Speed : 2850 rpm

Solid Passage : 52 mm

Outlet : 100mm, 4in

| OUTPUT | HEAD              | FLOW                      |
|--------|-------------------|---------------------------|
| 7.5 kW | Rated : 20m, 66ft | Rated : 13.3 l/s, 211 gpm |
| 10 HP  | Max : 34m, 112ft  | Max : 25 l/s, 396 gpm     |

|                         |             |                                            |
|-------------------------|-------------|--------------------------------------------|
| Pump Type               |             | Electric Submersible Pumps                 |
|                         |             | 3-Phase                                    |
| Motor                   | Type        | Induction Motor                            |
|                         | Poles       | 2 Pole                                     |
|                         | Insulation  | Class F                                    |
|                         | Protector   | Circle Thermal Protector                   |
|                         | Starter     | D.O.L.                                     |
| Lubricant               |             | Food Grade (ISO VG32)                      |
| Impeller Type           |             | Vortex                                     |
| Shaft Seal              |             | Double Mechanical Seal                     |
|                         |             | Silicon Carbide VS Ceramic / Carbon        |
| Bearings                |             | C3 Shielded ball bearings                  |
| Cable                   |             | H07RNF                                     |
|                         |             | Length: 10m (33ft) or longer upon request. |
| Materials               | Pump Casing | Gray Iron                                  |
|                         | Impeller    | Gray Iron                                  |
|                         | Motor Frame | Gray Iron                                  |
|                         | Motor Shaft | Stainless Steel                            |
| Max. Liquid Temperature |             | 104°F (40°C)                               |
| Max. Submersion Depth   |             | 66ft (20m)                                 |
| pH Range                |             | pH 5 - pH 8                                |
| Accessories             |             | GRF-04                                     |



Shaft Speed : 2850 rpm

Solid Passage : 13 mm

Outlet : 80mm, 3in

## OUTPUT

2.2 kW

3 HP

## HEAD

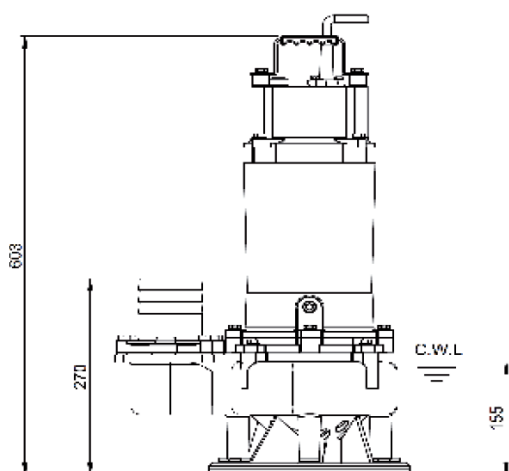
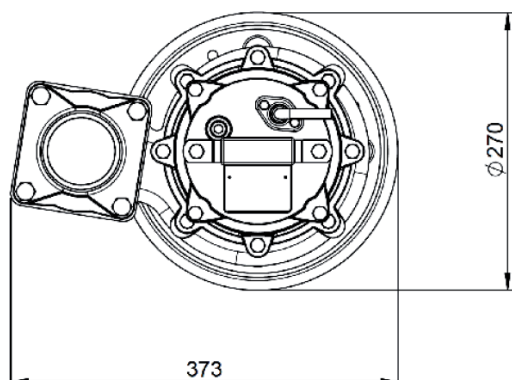
Rated : 10m, 33ft

Max : 15m, 49ft

## FLOW

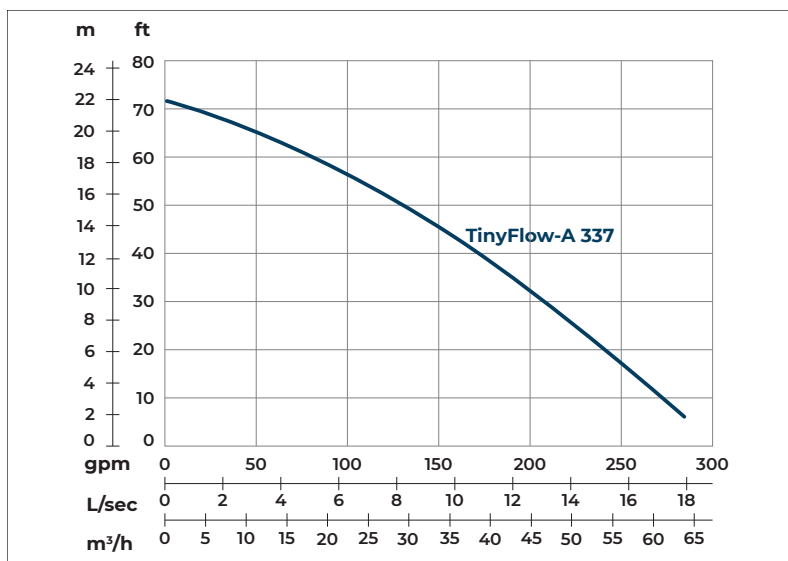
Rated : 5 l/s, 79 gpm

Max : 13.3 l/s, 211 gpm



Weight : 43kg / 95lbs

| Pump Type               |                | Electric Submersible Pumps                 |
|-------------------------|----------------|--------------------------------------------|
|                         |                | 3 Phase                                    |
| Motor                   | Type           | Induction Motor                            |
|                         | Poles          | 2 Pole                                     |
|                         | Insulation     | Class F                                    |
|                         | Protector      | Circle Thermal Protector                   |
|                         | Starter Method | D.O.L.                                     |
| Lubricant               |                | Food Grade (ISO VG32)                      |
| Impeller Type           |                | Vortex                                     |
| Shaft Seal              |                | Double Mechanical Seal                     |
|                         |                | Silicon Carbide VS Ceramic / Carbon        |
| Bearings                |                | C3 Shielded ball bearings                  |
| Cable                   |                | H07RNF                                     |
|                         |                | Length: 10m (33ft) or longer upon request. |
| Materials               | Pump Casing    | Gray Iron                                  |
|                         | Impeller       | Gray Iron                                  |
|                         | Motor Frame    | Gray Iron                                  |
|                         | Motor Shaft    | Stainless Steel                            |
|                         | Agitator       | Ductile iron                               |
| Max. Liquid Temperature |                | 40°C (104°F)                               |
| Max. Submersion Depth   |                | 20m (66ft)                                 |
| pH Range                |                | pH 5 - pH 8                                |



Shaft Speed : 2850 rpm

Solid Passage : 13 mm

Outlet : 80mm, 3in

## OUTPUT

3.7 kW

5 HP

## HEAD

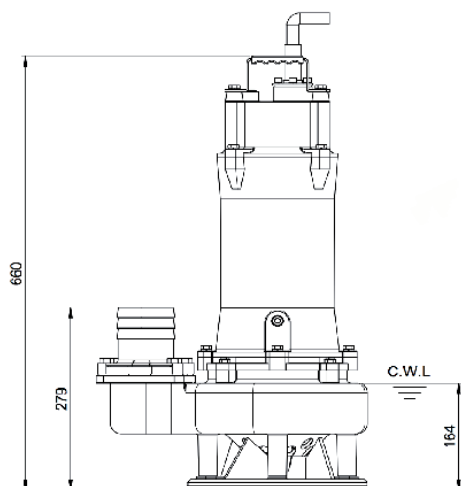
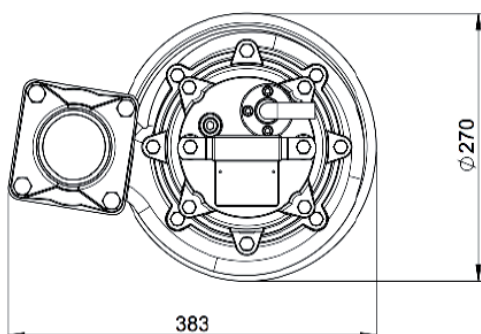
Rated : 15m, 49ft

Max : 22m, 72ft

## FLOW

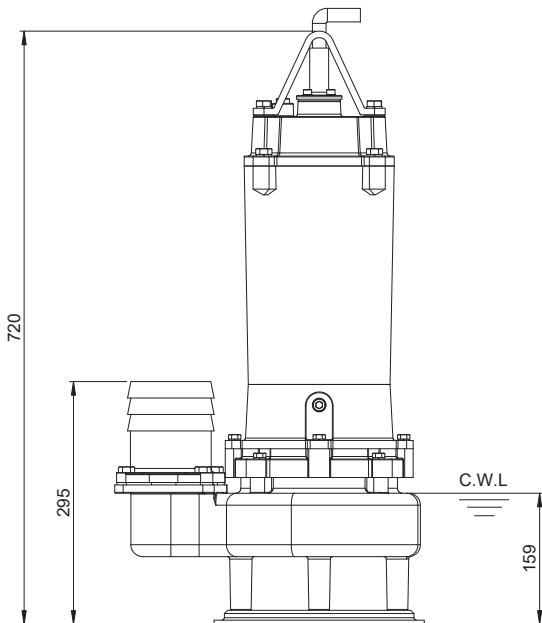
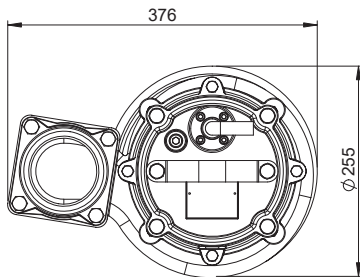
Rated : 8.3 l/s, 132 gpm

Max : 17.5 l/s, 277 gpm

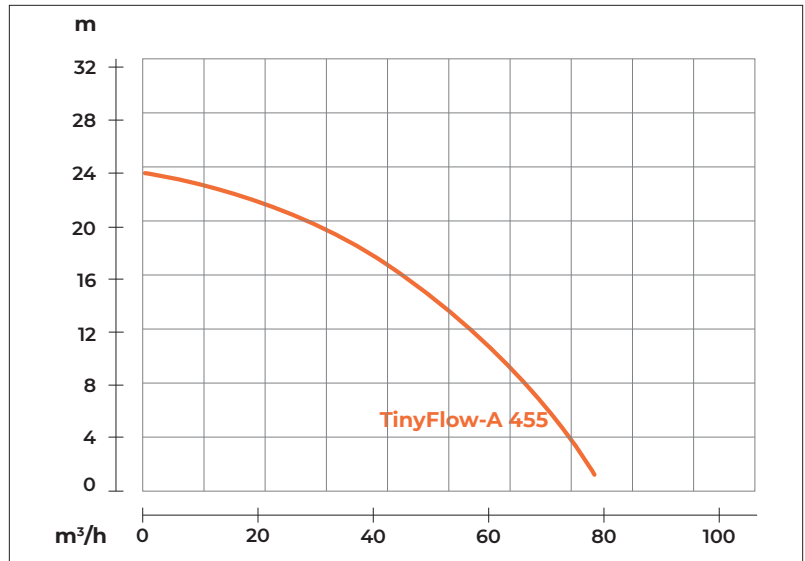


Weight : 57kg / 117lbs

| Pump Type               |                | Electric Submersible Pumps                                    |
|-------------------------|----------------|---------------------------------------------------------------|
|                         |                | 3-Phase                                                       |
| Motor                   | Type           | Induction Motor                                               |
|                         | Poles          | 2 Pole                                                        |
|                         | Insulation     | Class F                                                       |
|                         | Protector      | Circle Thermal Protector                                      |
|                         | Starter Method | D.O.L.                                                        |
| Lubricant               |                | Food Grade (ISO VG32)                                         |
| Impeller Type           |                | Vortex                                                        |
| Shaft Seal              |                | Double Mechanical Seal<br>Silicon Carbide VS Ceramic / Carbon |
| Bearings                |                | C3 Shielded ball bearings                                     |
| Cable                   |                | H07RNF<br>Length: 10m (33ft) or longer upon request.          |
| Materials               | Pump Casing    | Gray Iron                                                     |
|                         | Impeller       | Gray Iron                                                     |
|                         | Motor Frame    | Gray Iron                                                     |
|                         | Motor Shaft    | Stainless Steel                                               |
|                         | Agitator       | Ductile iron                                                  |
| Max. Liquid Temperature |                | 40°C (104°F)                                                  |
| Max. Submersion Depth   |                | 20m (66ft)                                                    |
| pH Range                |                | pH 5 - pH 8                                                   |



Weight : 60kg / 132lbs



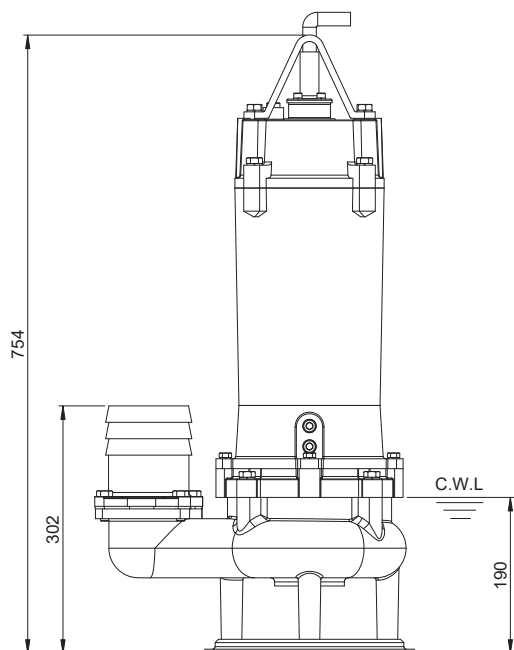
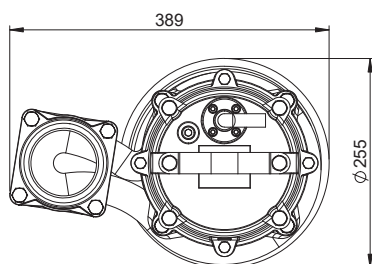
Shaft Speed : 2850 rpm

Solid Passage : 55 mm

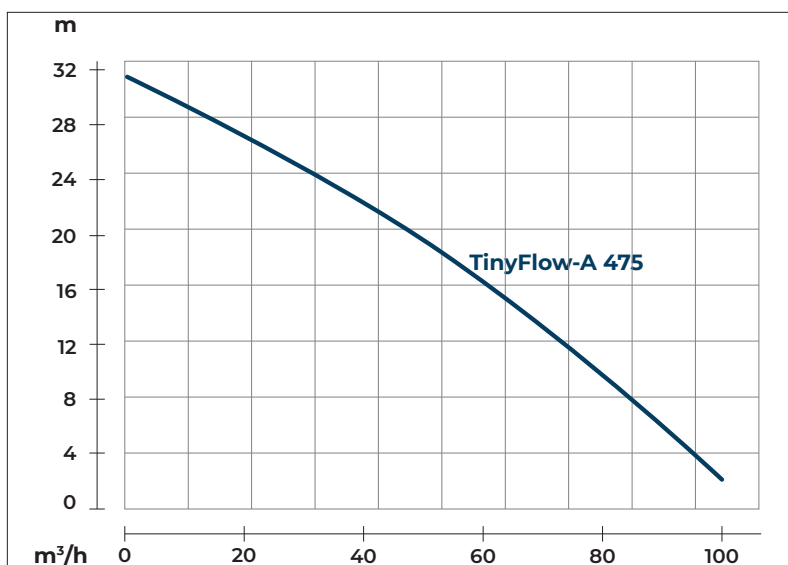
Outlet : 100mm, 4in

| OUTPUT | HEAD              | FLOW                    |
|--------|-------------------|-------------------------|
| 5.5 kW | Rated : 17m, 56ft | Rated : 12 l/s, 190 gpm |
| 7.5 HP | Max : 24m, 79ft   | Max : 21.7 l/s, 343 gpm |

|                         |                                            |                            |
|-------------------------|--------------------------------------------|----------------------------|
| Pump Type               |                                            | Electric Submersible Pumps |
|                         |                                            | Three Phase                |
|                         |                                            | IP 68                      |
| Motor                   | Type                                       | Induction Motor            |
|                         | Poles                                      | 2 Pole                     |
|                         | Insulation                                 | Class F                    |
|                         | Protector                                  | Circle Thermal Protector   |
|                         | Starter Method                             | D.O.L.                     |
| Lubricant               |                                            | Food Grade (ISO VG32)      |
| Impeller Type           |                                            | Vortex                     |
| Shaft Seal              | Double Mechanical Seal                     |                            |
|                         | Silicon Carbide VS Ceramic / Carbon        |                            |
| Bearings                |                                            | C3 Shielded ball bearings  |
| Cable                   | H07RNF                                     |                            |
|                         | Length: 10m (33ft) or longer upon request. |                            |
| Materials               | Pump Casing                                | Gray Iron                  |
|                         | Impeller                                   | Gray Iron                  |
|                         | Motor Frame                                | Gray Iron                  |
|                         | Motor Shaft                                | Stainless Steel            |
| Max. Liquid Temperature |                                            | 40°C (104°F)               |
| Max. Submersion Depth   |                                            | 20m (66ft)                 |
| pH Range                |                                            | 5-8                        |



Weight : 67kg / 147.4lbs



Shaft Speed : 2850 rpm

Solid Passage : 55 mm

Outlet : 100mm, 4in

| OUTPUT | HEAD              | FLOW                     |
|--------|-------------------|--------------------------|
| 7.5 kW | Rated : 20m, 66ft | Rated : 12.5 l/s, 198gpm |
| 10 HP  | Max : 31m, 102ft  | Max : 28.3 l/s, 449 gpm  |

|                         |                                            |                            |
|-------------------------|--------------------------------------------|----------------------------|
| Pump Type               |                                            | Electric Submersible Pumps |
|                         |                                            | Three Phase                |
|                         |                                            | IP 68                      |
| Motor                   | Type                                       | Induction Motor            |
|                         | Poles                                      | 2 Pole                     |
|                         | Insulation                                 | Class F                    |
|                         | Protector                                  | Circle Thermal Protector   |
|                         | Starter Method                             | D.O.L.                     |
| Lubricant               |                                            | Food Grade (ISO VG32)      |
| Impeller Type           |                                            | Vortex                     |
| Shaft Seal              | Double Mechanical Seal                     |                            |
|                         | Silicon Carbide VS Ceramic / Carbon        |                            |
| Bearings                |                                            | C3 Shielded ball bearings  |
| Cable                   | H07RNF                                     |                            |
|                         | Length: 10m (33ft) or longer upon request. |                            |
| Materials               | Pump Casing                                | Gray Iron                  |
|                         | Impeller                                   | Gray Iron                  |
|                         | Motor Frame                                | Gray Iron                  |
|                         | Motor Shaft                                | Stainless Steel            |
| Max. Liquid Temperature |                                            | 40°C (104°F)               |
| Max. Submersion Depth   |                                            | 20m (66ft)                 |
| pH Range                |                                            | 5-8                        |



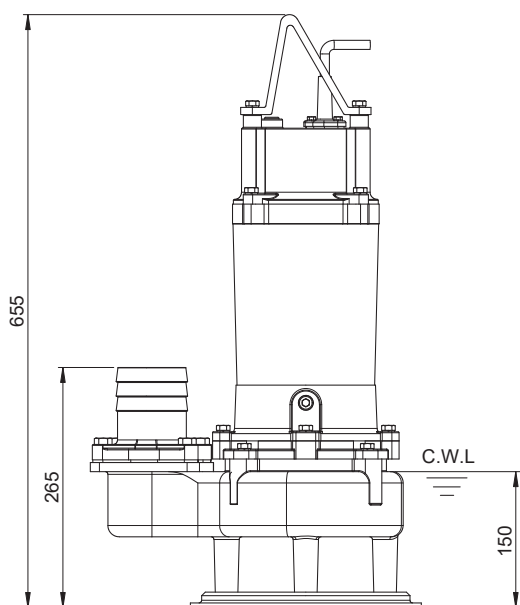
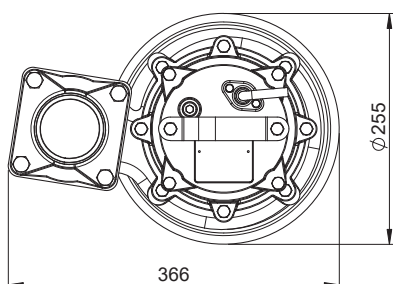


**HABERMANN AURUM**  
PUMPEN

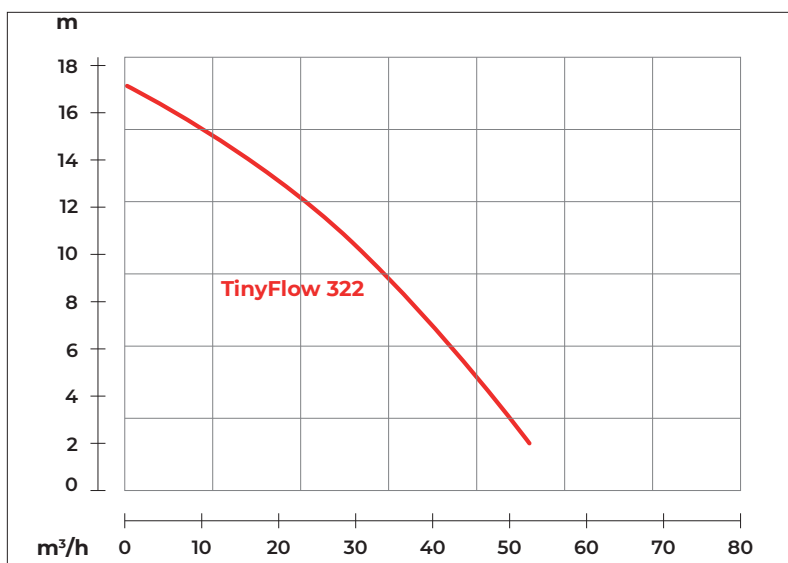
## TinyFlow-U 322

Vortex Pump

50 Hz



Weight : 40kg / 88 lbs



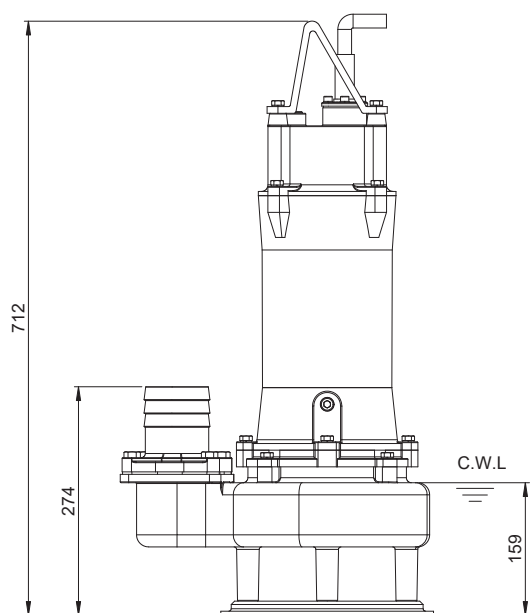
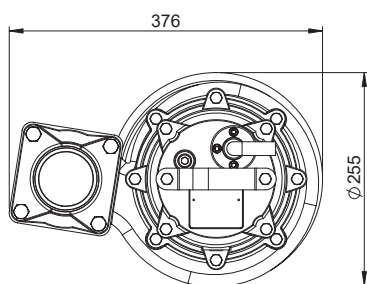
Shaft Speed : 2850 rpm

Solid Passage : 55 mm

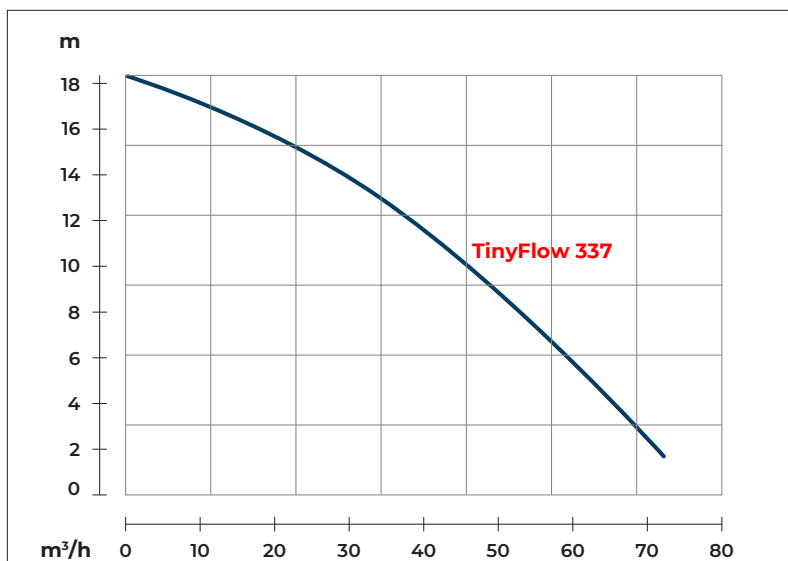
Outlet : 80mm, 3in

| OUTPUT | HEAD              | FLOW                    |
|--------|-------------------|-------------------------|
| 2.2 kW | Rated : 12m, 39ft | Rated : 6 l/s, 95 gpm   |
| 3 HP   | Max : 17m, 56ft   | Max : 14.2 l/s, 224 gpm |

|                         |             |                                            |
|-------------------------|-------------|--------------------------------------------|
| Pump Type               |             | Electric Submersible Pumps                 |
|                         |             | 3-Phase                                    |
| Motor                   | Type        | Induction Motor                            |
|                         | Poles       | 2 Pole                                     |
|                         | Insulation  | Class F                                    |
|                         | Protector   | Circle Thermal Protector                   |
|                         | Starter     | D.O.L.                                     |
| Lubricant               |             | Food Grade (ISO VG32)                      |
| Impeller Type           |             | Vortex                                     |
| Shaft Seal              |             | Double Mechanical Seal                     |
|                         |             | Silicon Carbide VS Ceramic / Carbon        |
| Bearings                |             | C3 Shielded ball bearings                  |
| Cable                   |             | H07RNF                                     |
|                         |             | Length: 10m (33ft) or longer upon request. |
| Materials               | Pump Casing | Gray Iron                                  |
|                         | Impeller    | Gray Iron                                  |
|                         | Motor Frame | Gray Iron                                  |
|                         | Motor Shaft | Stainless Steel                            |
| Max. Liquid Temperature |             | 104°F (40°C)                               |
| Max. Submersion Depth   |             | 66ft (20m)                                 |
| pH Range                |             | pH 5 - pH 8                                |



Weight : 49kg / 107.8 lbs



Shaft Speed : 2850 rpm

Solid Passage : 55 mm

Outlet : 80mm, 3in

| OUTPUT | HEAD              | FLOW                     |
|--------|-------------------|--------------------------|
| 3.7 kW | Rated : 15m, 49ft | Rated : 7.5 l/s, 119 gpm |
| 5 HP   | Max : 18m, 59ft   | Max : 20 l/s, 317 gpm    |

|                         |             |                                            |
|-------------------------|-------------|--------------------------------------------|
| Pump Type               |             | Electric Submersible Pumps                 |
|                         |             | 3-Phase                                    |
| Motor                   | Type        | Induction Motor                            |
|                         | Poles       | 2 Pole                                     |
|                         | Insulation  | Class F                                    |
|                         | Protector   | Circle Thermal Protector                   |
|                         | Starter     | D.O.L.                                     |
| Lubricant               |             | Food Grade (ISO VG32)                      |
| Impeller Type           |             | Vortex                                     |
| Shaft Seal              |             | Double Mechanical Seal                     |
|                         |             | Silicon Carbide VS Ceramic / Carbon        |
| Bearings                |             | C3 Shielded ball bearings                  |
| Cable                   |             | H07RNF                                     |
|                         |             | Length: 10m (33ft) or longer upon request. |
| Materials               | Pump Casing | Gray Iron                                  |
|                         | Impeller    | Gray Iron                                  |
|                         | Motor Frame | Gray Iron                                  |
|                         | Motor Shaft | Stainless Steel                            |
| Max. Liquid Temperature |             | 104°F (40°C)                               |
| Max. Submersion Depth   |             | 66ft (20m)                                 |
| pH Range                |             | pH 5 - pH 8                                |