

PRORIL

DEWATERING PUMPS

HIGH CHROME DEWATERING PUMPS

HEAVY DUTY DEWATERING PUMPS



50 Hz

A large, circular tunnel under construction. The interior is lined with concrete segments. In the center, a dewatering pump is visible, surrounded by various pipes and machinery. The scene is dimly lit, with bright spotlights illuminating the area. A blue diagonal graphic element is present in the bottom right corner.

DEWATERING PUMPS

Our dewatering pumps are engineered for professional use in tough dewatering applications in construction, industrial sites, and mines. With a compact, slim design and our patented ACrS technology, these wear-resistant portable dewatering pumps provide economical solutions. We are the source you will ever need to make your profits real.



TANK SERIES

HIGH CHROME DEWATERING PUMP

Designed for continuous operations, excellent performance and easy maintenance, PRORIL Tank series pumps have proven their reliability and durability in demanding areas like construction, mining, tunneling, quarries, industries and rental applications.

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 Multi-Direction Discharge Coupling

Discharge can be converted between vertical and horizontal directions. In pumps 7.5 HP and larger, a vertical discharge connection is supplied as standard.

3 Motor Protector

The motor incorporates a circle thermal protector which protects against overheating and dry-run.

4 Top Discharge and Double Housing Design

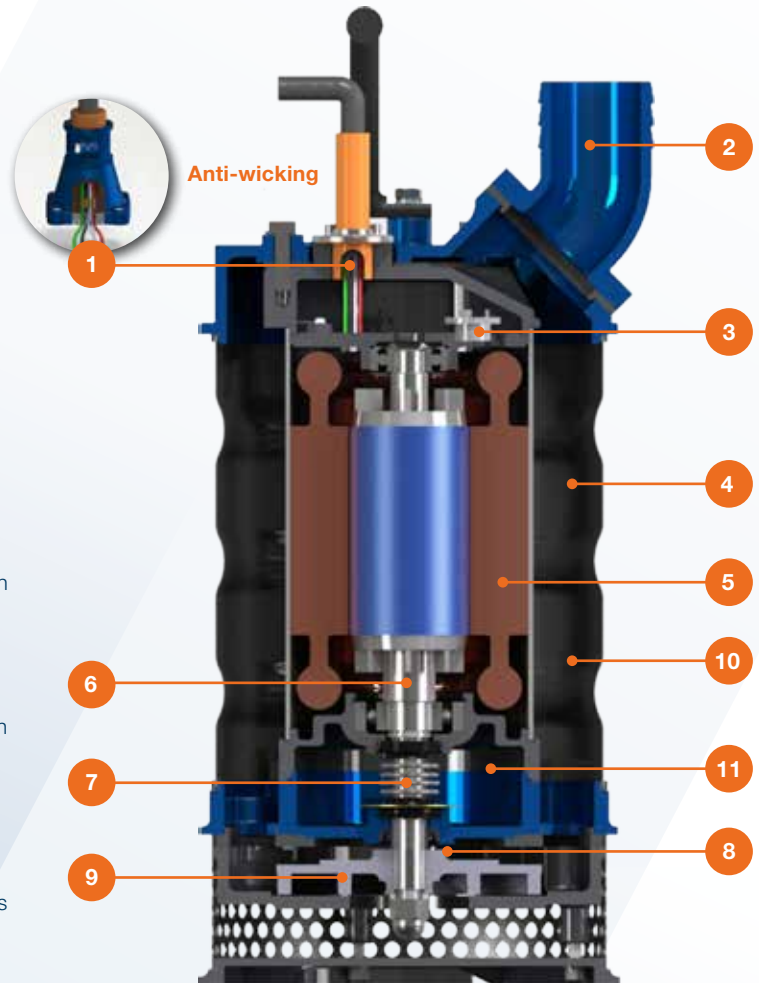
Designed to construct a water jacket that provides maximum motor cooling effect for continuous operation at low water level, this feature forms the cylindrical and slim shape of the pump and enables the pump to be installed in confined spaces.

5 Submersible Motor

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

6 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.

7 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.

8 Extra Protection for Mechanical Seals and Shaft

Lip seals and shaft sleeves are utilized for additional protection against wear.

9 High Chrome Iron Impeller

PRORIL patent formula, ACrS Tech is applied to all high chrome iron impellers. This technology increases wear resistance to particle abrasion.

10 Durable Outer Jacket and Strainer

Corrugated Outer Jacket and strainer made from 304 stainless steel provide impact resistance to harsh handling and conditions. In pumps 7.5 HP and larger, flat 304 stainless steel outer casing is provided as standard.

11 Food Grade Lubricant

PRORIL adopts eco-friendly lubricant to minimize environmental impacts.

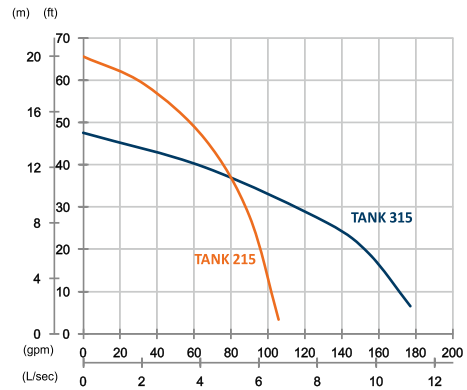


TANK

215 315



| TANK | 215 | 315 |
|---------------|-----------|-----------|
| Outlet | 2" (50mm) | 3" (80mm) |
| Rated Output | 1.5kW | 1.5kW |
| Shaft Speed | 2850 rpm | 2850 rpm |
| Solid Passage | 9mm | 9mm |
| Height | 568mm | 568mm |
| Diameter | Ø253mm | Ø267mm |
| Weight | 33kg | 33kg |

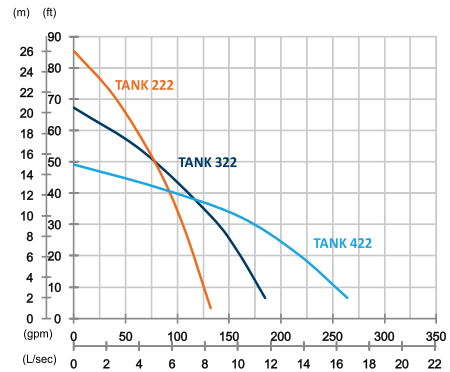


TANK

222 322 422



| TANK | 222 | 322 | 422 |
|---------------|-----------|-----------|------------|
| Outlet | 2" (50mm) | 3" (80mm) | 4" (100mm) |
| Rated Output | 2.2kW | 2.2kW | 2.2kW |
| Shaft Speed | 2850 rpm | 2850 rpm | 2850 rpm |
| Solid Passage | 9mm | 9mm | 9mm |
| Height | 598mm | 598mm | 630mm |
| Diameter | Ø253mm | Ø267mm | Ø284mm |
| Weight | 35kg | 35kg | 43kg |

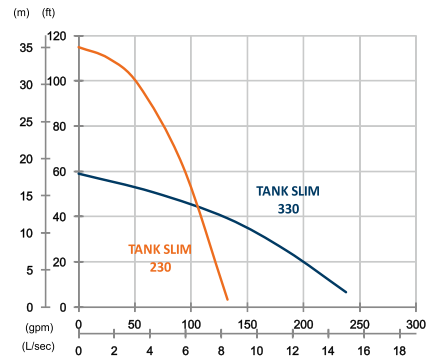


TANK SLIM

230 330



| TANK | 230 | 330 |
|---------------|-----------|-----------|
| Outlet | 2" (50mm) | 3" (80mm) |
| Rated Output | 3kW | 3kW |
| Shaft Speed | 2850 rpm | 2850 rpm |
| Solid Passage | 7mm | 7mm |
| Height | 659mm | 629mm |
| Diameter | Ø188mm | Ø188mm |
| Weight | 45kg | 38kg |

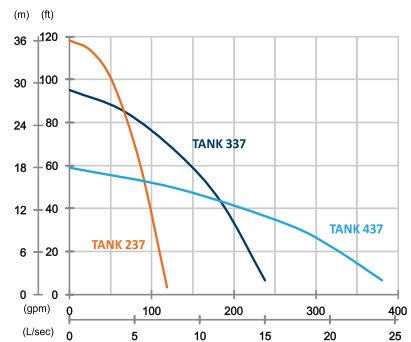


TANK

237 337 437



| TANK | 237 | 337 | 437 |
|---------------|-----------|-----------|------------|
| Outlet | 2" (50mm) | 3" (80mm) | 4" (100mm) |
| Rated Output | 3.7kW | 3.7kW | 3.7kW |
| Shaft Speed | 2850 rpm | 2850 rpm | 2850 rpm |
| Solid Passage | 10mm | 10mm | 10mm |
| Height | 625mm | 578mm | 607mm |
| Diameter | Ø291mm | Ø273mm | Ø288mm |
| Weight | 61kg | 42kg | 42kg |

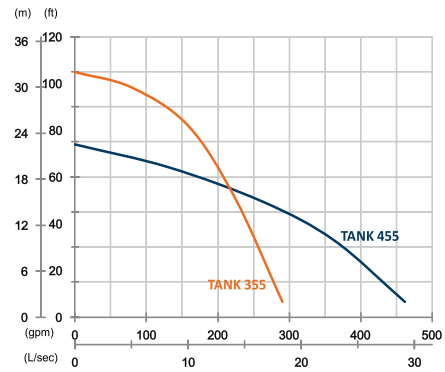


TANK

355 455



| TANK | 355 | 455 |
|---------------|-----------|------------|
| Outlet | 3" (80mm) | 4" (100mm) |
| Rated Output | 5.5kW | 5.5kW |
| Shaft Speed | 2850 rpm | 2850 rpm |
| Solid Passage | 10mm | 10mm |
| Height | 656mm | 656mm |
| Diameter | Ø306mm | Ø320mm |
| Weight | 60kg | 60kg |

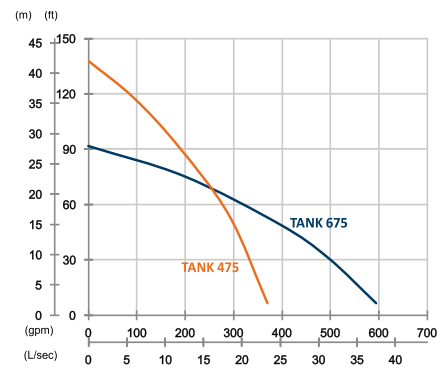


TANK

475 675



| TANK | 475 | 675 |
|---------------|------------|------------|
| Outlet | 4" (100mm) | 6" (150mm) |
| Rated Output | 7.5kW | 7.5kW |
| Shaft Speed | 2850 rpm | 2850 rpm |
| Solid Passage | 15mm | 15mm |
| Height | 801mm | 826mm |
| Diameter | Ø317mm | Ø317mm |
| Weight | 93kg | 97kg |

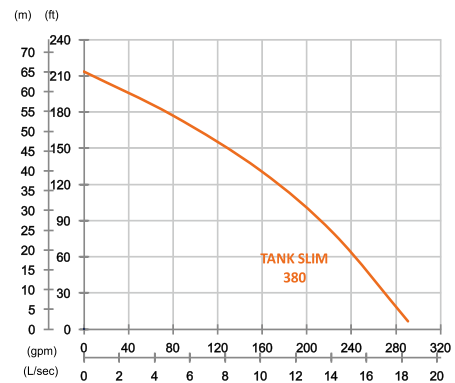


TANK SLIM

380



| TANK | 380 |
|---------------|-----------|
| Outlet | 3" (80mm) |
| Rated Output | 8kW |
| Shaft Speed | 2850 rpm |
| Solid Passage | 8mm |
| Height | 798mm |
| Diameter | Ø283mm |
| Weight | 92kg |

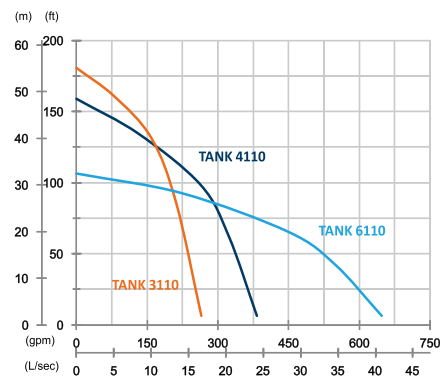


TANK

3110 4110 6110



| TANK | 3110 | 4110 | 6110 |
|---------------|-----------|------------|------------|
| Outlet | 3" (80mm) | 4" (100mm) | 6" (150mm) |
| Rated Output | 11kW | 11kW | 11kW |
| Shaft Speed | 2850 rpm | 2850 rpm | 2850 rpm |
| Solid Passage | 12mm | 15mm | 15mm |
| Height | 863mm | 858mm | 870mm |
| Diameter | Ø354mm | Ø354mm | Ø354mm |
| Weight | 135kg | 135kg | 137kg |

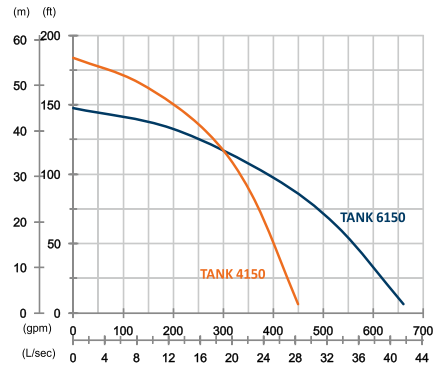


TANK

4150 6150



| TANK | 4150 | 6150 |
|---------------|------------|------------|
| Outlet | 4" (100mm) | 6" (150mm) |
| Rated Output | 15kW | 15kW |
| Shaft Speed | 2850 rpm | 2850 rpm |
| Solid Passage | 15mm | 15mm |
| Height | 887mm | 899mm |
| Diameter | Ø354mm | Ø354mm |
| Weight | 141kg | 142kg |

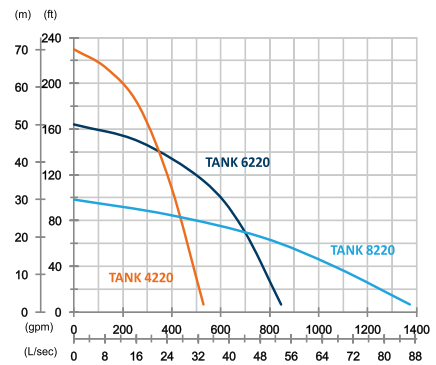


TANK

4220 6220 8220



| TANK | 4220 | 6220 | 8220 |
|---------------|------------|------------|------------|
| Outlet | 4" (100mm) | 6" (150mm) | 8" (200mm) |
| Rated Output | 22kW | 22kW | 22kW |
| Shaft Speed | 2850 rpm | 2850 rpm | 2850 rpm |
| Solid Passage | 15mm | 20mm | 20mm |
| Height | 1085mm | 1099mm | 1154mm |
| Diameter | Ø424mm | Ø424mm | Ø424mm |
| Weight | 256kg | 259kg | 264kg |

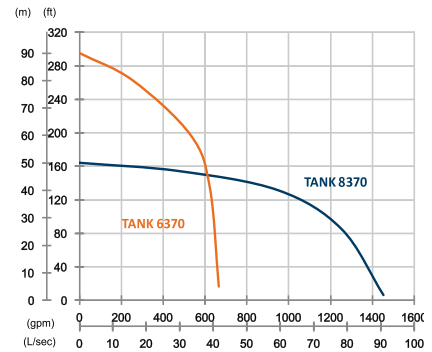


TANK

6370 8370



| TANK | 6370 | 8370 |
|---------------|------------|------------|
| Outlet | 6" (150mm) | 8" (150mm) |
| Rated Output | 37kW | 37kW |
| Shaft Speed | 2850 rpm | 2850 rpm |
| Solid Passage | 10mm | 20mm |
| Height | 1294mm | 1256mm |
| Diameter | Ø532mm | Ø532mm |
| Weight | 510kg | 510kg |

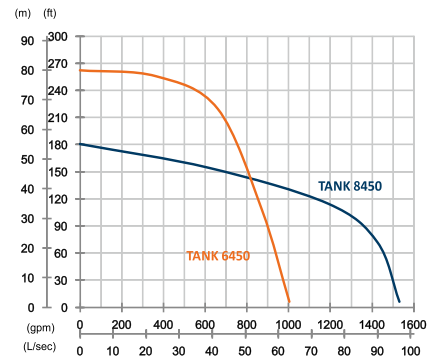


TANK

6450 8450



| TANK | 6450 | 8450 |
|---------------|------------|------------|
| Outlet | 6" (150mm) | 8" (200mm) |
| Rated Output | 45kW | 45kW |
| Shaft Speed | 2850 rpm | 2850 rpm |
| Solid Passage | 10mm | 20mm |
| Height | 1294mm | 1256mm |
| Diameter | Ø532mm | Ø532mm |
| Weight | 530kg | 530kg |



TITAN SERIES

HEAVY DUTY DEWATERING PUMP

Rugged, reliable and cost effective, the Titan series pumps deliver excellent performance and serve a wide range of tough dewatering applications like mines, construction site, rental applications and other demanding industries.

FEATURES

Anti-wicking

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 Top Discharge and Side Flow Design

Designed to cool the motor with pumped water even at low water level, this feature forms the cylindrical and slim shape of the pump and enables the pump to be installed in confined spaces.

3 Motor Protector

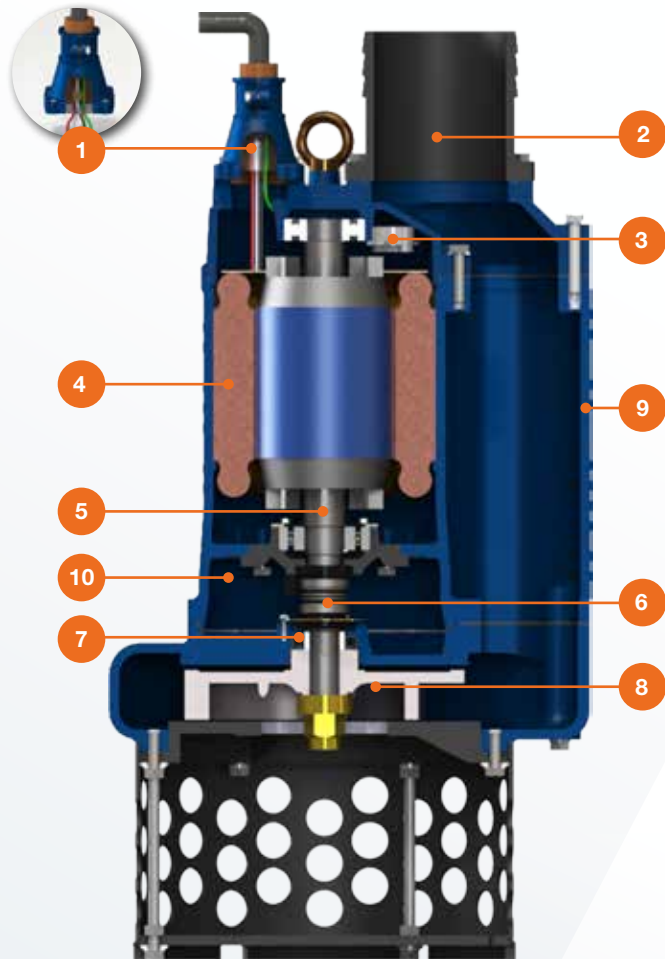
The motor incorporates a circle thermal protector which protects against overheating and dry-run.

4 Submersible 4-Pole Motor

Air filled motor, housed in a watertight casing, conforms to Class F insulation. The 4-pole motor helps reducing impeller wears.

5 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.

6 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.

7 Extra Protection for Mechanical Seals and Shaft

Lip seals and shaft sleeves are utilized for additional protection against wear.

8 High Chrome Iron Impeller

PRORIL patent formula, ACRS Tech is applied to all high chrome iron impellers. This technology increases wear resistance to particle abrasion.

9 Rugged Cast Iron Construction

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

10 Food Grade Lubricant

PRORIL adopts eco-friendly lubricant to minimize environmental impacts.

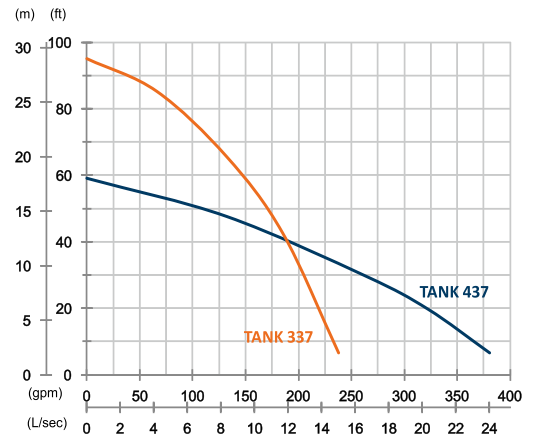


TITAN

337 437



| TITAN | 337 | 437 |
|---------------|-----------|------------|
| Outlet | 3" (80mm) | 4" (100mm) |
| Rated Output | 3.7kW | 3.7kW |
| Shaft Speed | 1450 rpm | 1450 rpm |
| Solid Passage | 25mm | 25mm |
| Height | 793mm | 814mm |
| Diameter | Ø382mm | Ø382mm |
| Weight | 113kg | 113kg |

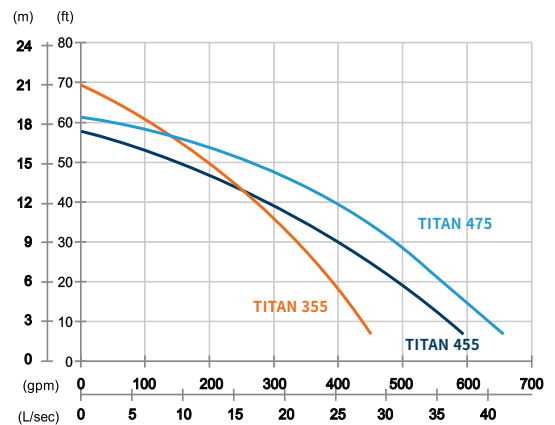


TITAN

355 455 475



| TITAN | 355 | 455 | 475 |
|---------------|-----------|------------|------------|
| Outlet | 3" (80mm) | 4" (100mm) | 4" (100mm) |
| Rated Output | 5.5kW | 5.5kW | 7.5kW |
| Shaft Speed | 1450 rpm | 1450 rpm | 1450 rpm |
| Solid Passage | 25mm | 25mm | 25mm |
| Height | 806mm | 826mm | 826mm |
| Diameter | Ø412mm | Ø412mm | Ø412mm |
| Weight | 128kg | 129kg | 129kg |

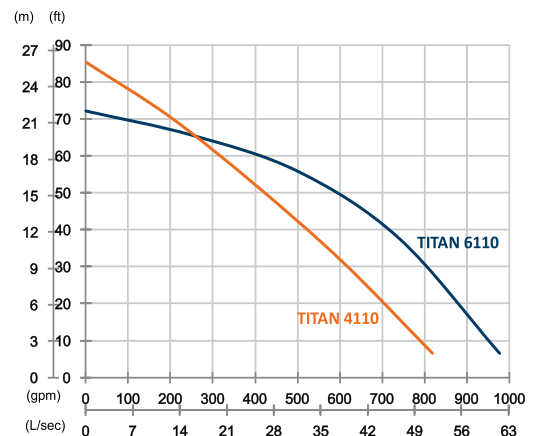


TITAN

4110 6110



| TITAN | 4110 | 6110 |
|---------------|------------|------------|
| Outlet | 4" (100mm) | 6" (150mm) |
| Rated Output | 11kW | 11kW |
| Shaft Speed | 1450 rpm | 1450 rpm |
| Solid Passage | 25mm | 35mm |
| Height | 910mm | 922mm |
| Diameter | Ø479mm | Ø479mm |
| Weight | 195kg | 196kg |





Advanced Chromium Steel Tech

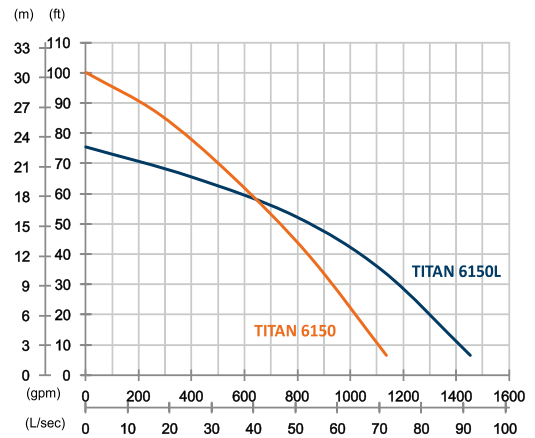
After years of testing and continuous improvement, PRORIL proudly presents our patented technology, Advanced Chromium Steel Tech, ACrS Tech. Designed for high wear resistance and superb corrosion resistance, ACrS Tech is applied to all our dewatering and slurry pump family to tackle tough challenging applications. The advantages of ACrS Tech can easily and dramatically reduce operational costs.

TITAN

6150 6150L



| TITAN | 6150 | 6150L |
|---------------|------------|------------|
| Outlet | 6" (150mm) | 6" (150mm) |
| Rated Output | 15kW | 15kW |
| Shaft Speed | 1450 rpm | 1450 rpm |
| Solid Passage | 35mm | 35mm |
| Height | 922mm | 922mm |
| Diameter | Ø479mm | Ø479mm |
| Weight | 204kg | 204kg |

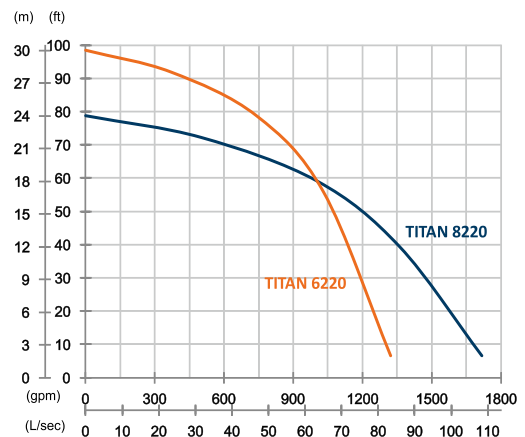


TITAN

6220 8220



| TITAN | 6220 | 8220 |
|---------------|------------|------------|
| Outlet | 6" (150mm) | 8" (200mm) |
| Rated Output | 22kW | 22kW |
| Shaft Speed | 1450 rpm | 1450 rpm |
| Solid Passage | 30mm | 38mm |
| Height | 922mm | 922mm |
| Diameter | Ø592mm | Ø592mm |
| Weight | 350kg | 204kg |



PRORIL

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.



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.

MORE PRODUCTS



SLURRY & SAND PUMPS



HANDY & RESIDUE PUMPS



SEWAGE PUMPS



STAINLESS STEEL PUMPS

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DW-50-107001

 **DESIGN
AWARD**