DAE Pumps
DESIGNED AND ENGINEERED PUMPING SOLUTIONS

Clifton 150
15kW / 20HP

Electric Submersible Pump

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Clifton 150

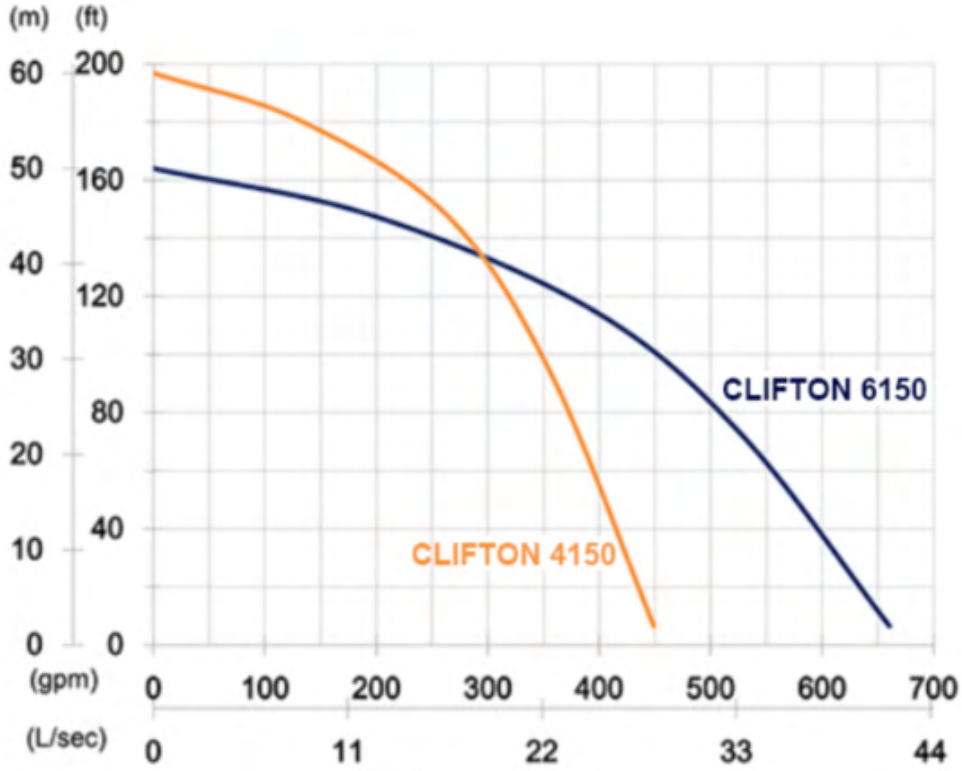
15kW / 20HP Electric SubmersiblePumps

The DAE Pumps Clifton 150 dewatering pump is designed for professionals demanding dewatering tasks in mining, construction, and industrial environments. The Clifton 150 is a durable and reliable pump that can handle even the most challenging dewatering tasks. With a powerful motor and sturdy construction, the Clifton 150 is built to last. The compact design of this portable dewatering pump is slim and features our ACrS technology. They are cost-effective solutions. Our company is the best resource for making your profits real.

Clifton pumps are designed for long-term operation, high performance, and simple maintenance. They have been proven reliable and durable in demanding applications such as construction, mining, and tunneling. In these challenging environments, Clifton pumps have excelled. Their versatility, maneuverability, and rugged construction have made them indispensable in various applications.

The compact design of this portable dewatering pump is slim, lightweight, and features the ACrS technology. This makes them reliable and cost-effective. The ACrS technology makes the pump more reliable by ensuring that the pump will start up quickly and easily. The technology also makes the pump more cost-effective and energy efficient.

60Hz



	CLIFTON 4150	CLIFTON 6150
Discharge Outlet	100mm (4")	150mm (6')
Shaft Speed	3450 rpm	3450 rpm
Rated Output	15kW (20HP)	15kW (20HP)
Rated Head	45m (148')	35m (115")
Rated Flow	16.7L/s (264gpm)	25L/s (396gpm)
Max Head	60m (197')	50m (164")
Max Flow	28.3L/s (449gpm)	41.7L/s (660gpm)
Solid Passage	15mm (0.6")	15mm (0.6")
Diameter	Ø354mm (13.9")	Ø354mm (13.9")
Height	887mm (35")	899mm (35.4")
Weight	141kg (311 lbs)	142kg (313 lbs)

Specifications

Type	Electric Submersible Pumps
Phase	3-Phase
Classification	IP 68
Motor	
• **Type**	Induction Motor
• **Poles**	2 Pole
• **Insulation**	Class F
• **Protector**	Circle Thermal Protector
• **Start Method**	D.O.L.
Lubricant	Food Grade (ISO VG32)
Shaft Seal	
• **Type**	Double Mechanical Seal
• **Desc.**	Silicon Carbide VS Ceramic / Carbon
Impeller Type	Opened
Bearings	C3 Shielded ball bearings
Cable	
• **Type**	PVC (CSA Certified) / H07BQ-F
• **Length**	10m (33') or longer upon request.
Materials	
• **Pump Casing**	Gray Iron
• **Impeller**	Chromium Iron
• **Motor Frame**	Stainless Steel
• **Motor Shaft**	Stainless Steel
• **Strainer**	Stainless Steel
Max. Liquid Temp.	40°C (104°F)
Max. Sub. Depth	20m (66")
pH Range	pH 5 - pH 8

Electric Submersible Pumps

With a compact, slim design and the patented ACrS technology, these wear-resistant, portable dewatering pumps provide reliable and economical solutions.

Waterlight Cable Entry

An anti-wicking block is used to prevent water from entering the cable. Each conductor is then stripped and sealed in epoxy. This block stops moisture from reaching the motor chamber when the cable's end is damaged or submerged.

Multi-Direction Discharge Coupling

The discharge can be switched between horizontal and vertical directions. A vertical discharge connection comes standard on pumps with 7.5 HP or more.

Motor Protector

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

Top Discharge and Double Housing Design

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

Submersible Motor

The air-filled motor, housed in a watertight casing, conforms to Class F insulation.

C3 Ball Bearings and Hardened SS Shaft

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

Double Mechanical Seals

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

Extra Protection for Mechanical Seals and Shaft

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

High Chrome Iron Impeller

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