

Subsea Tooling Services 8" Electric Piranha Dredger



Operational Specification

Rated Voltage	3 Phase x 440-460-480 V AC
Rated Power	26 Kw
Rated Current	38 Amps @ 50 Hz 49 Amps @ 60 Hz
Starting Current	530-580-630 %
Rated motor / pump speed	3450-3460-3480 rpm
Start Method	Direct Online / Soft Start
Service Factor	1.15
Mains Frequency	50 / 60 Hz
Removal Capacity Sand m ³ /h (Tons per hour)	82.2 m ³ /h (100 tons per hour)
Removal Capacity Rocks m ³ /h (Tons per hour)	55.2 m ³ /h (85 tons per hour)
Unrestricted Diameter of Dredger	200mm
Dimensions of Dredger L x H + Weight in Kg	2743mm x 542mm x 250 Kg (950 Kg on frame)
Safety Features	Emergency remote E-Stop / Hard Wired Umbilical / Motor Overload Detection / RCD Trip Device / 3 phase Isolation Transformer / Removable plug
Electrical Umbilical	4 CORES (10.0 mm ² , CLASS 5 TINNED COPPER, CROSS LINKED POLYETHYLENE INSULATION) 22mm Spiral Guarded overall total length c/w 63 AMP Plug
Rated Depth	Electric Motor - 600 MSW Operating Depth - (Determined by the length of the umbilical)
Lifting Height of Frame mm	2400mm to top of master links
Frame Dimensions LxWxH mm	Length 2616mm x Width 1800mm x Height 1485mm
Dimensions of Isolation Transformer	Length 760mm x 660mm x Height 745mm x Weight 240 Kgs
Lift Rigging	2 part 2 legged lifting bridle c/w master links
Shipping Weight Kgs	950 Kgs (Includes 150m of umbilical)
Suction Hose Connection	1 st Addition Model – Cam-Lock (All models after 2022 Tri-Lock)
Discharge Hose Connection	8" Cam-Lock – All Models
Input Connection	63 Amp Male 5 Pin Plug 3 Phases + Earth (Isolation Transformer)
Output Connection	63 Amp Female Socket 3 Phases + Earth
Subsea Connection	Hard wired potted joint

The Subsea Tooling Services 8" Electric dredge has no subsea connector and is hard wired, this avoids the risk & damage caused by electrical plugs not being done up correctly subsea.

The unit can come with 100m or 150m of 22mm subsea umbilical

All units are fitted with remote e-stop, RCD trip devices & isolation transformers as standard.



8" E-Dredge c/w 100 – 150m Umbilical



Isolation Transformer c/w 12m cable



8" E-Dredge Deck Control Box

