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<h3>1. GENERAL DESCRIPTION</h3>																		
<ul style="list-style-type: none"> <li>➤ Subscooter Floating Dock (SFD) allows the reception of 4 Subscooters (SC) with their crew (2 people) and up to 5 staff members.</li> <li>➤ The SFD has an electro-hydraulically powered mobile loading platform, allowing a controlled lower and lift of the SC in order to easily initiate the crews with the handling of the SC.</li> <li>➤ The SFD has a whole set of bottles buffer inflated during the night by compressors and a distribution ramp allowing a quick filling of the air bottles of the SC during day time.</li> <li>➤ The SFD has a whole set of chargers which can be connected to an electric source outside of the SFD and allows the charge of the batteries of the SC and of the batteries feeding the electro-hydraulic group operating the mobile loading platform.</li> <li>➤ The SFD is entirely dismountable for containerized freight.</li> </ul>																		
<h3>2. PRINCIPAL DIMENSIONS</h3>																		
<table border="1"> <tbody> <tr> <td data-bbox="256 920 847 969">Length with outboard engines</td> <td data-bbox="847 920 1378 969">8000 mm</td> </tr> <tr> <td data-bbox="256 969 847 1019">Overall width</td> <td data-bbox="847 969 1378 1019">7150 mm</td> </tr> <tr> <td data-bbox="256 1019 847 1068">Draft in load</td> <td data-bbox="847 1019 1378 1068">500 mm</td> </tr> <tr> <td data-bbox="256 1068 847 1117">Minimum Free-board in load</td> <td data-bbox="847 1068 1378 1117">450 mm</td> </tr> <tr> <td data-bbox="256 1117 847 1167">Draft immersed platform</td> <td data-bbox="847 1117 1378 1167">1900 mm</td> </tr> <tr> <td data-bbox="256 1167 847 1216">Light weight</td> <td data-bbox="847 1167 1378 1216">7000 kg</td> </tr> <tr> <td data-bbox="256 1216 847 1265">Fully loaded Displacement</td> <td data-bbox="847 1216 1378 1265">9500 kg</td> </tr> <tr> <td data-bbox="256 1265 847 1310">Buffer bottles (300 Bar 50ltrs)</td> <td data-bbox="847 1265 1378 1310">18</td> </tr> </tbody> </table>			Length with outboard engines	8000 mm	Overall width	7150 mm	Draft in load	500 mm	Minimum Free-board in load	450 mm	Draft immersed platform	1900 mm	Light weight	7000 kg	Fully loaded Displacement	9500 kg	Buffer bottles (300 Bar 50ltrs)	18
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<p><b>3. PONTOON BRIDGE</b></p> <ul style="list-style-type: none"> <li>➤ Pontoon bridges are made up of a structure in marine quality aluminum special section.</li> <li>➤ Their dimensions (8 X 2.3m) enables them to be put in container for transport</li> <li>➤ A 6mm thickness roto molded polyethylene floats (12 floats of 2m x 0.55m x 0.75m by pontoon) ensure buoyancy and a sufficient stability (see Stability paragraph).</li> <li>➤ A wood protection is included in the outer section.</li> <li>➤ The floor is made with a non slip aluminum section.</li> <li>➤ Cleats are set on the rail of the external profile.</li> <li>➤ Pontoon are connected by two bolted joining baulks on their structure which take again the inflection and torsion stresses during the operations of the mobile loading platform.</li> <li>➤ One of the pontoons is assigned to customer's reception.</li> <li>➤ The other pontoon is used as technical zone.</li> </ul> <p><b>4. MOBILE LOADING PLATFORM</b></p> <ul style="list-style-type: none"> <li>➤ The mobile loading platform has the same structure than pontoon bridges without the floats</li> <li>➤ Mooring points fixed on the floor make possible to secure the SC during the operations.</li> <li>➤ Four columns at the corners allow the guidance of the platform in the sleeves equipped with slide located in the joining baulks.</li> </ul>		
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<p><b>5. LIFTING SYSTEM</b></p> <ul style="list-style-type: none"> <li>➤ 8 Batteries 65AH12V connected in 24 V network (identical assembly than the batteries of the SC) feed a 3 KW electro Hydraulic Pump under 24 Vdc and set up on a 50liters tank.</li> <li>➤ These batteries can ensure more than 45 minutes of operation of the system that is more than one score of operations.</li> <li>➤ 1 electro distributor 4/3 double effect allows the lift/hoist of the mobile loading platform.</li> <li>➤ Four jacks D63 d45 stroke 2200 double effect synchronized allows the hoisting and the lower of the platform</li> <li>➤ The double-acting jacks are made with chrome stainless stem, bronze gasket support and a steel marine quality painted body.</li> <li>➤ The payload is 3 tons with a coefficient 2.</li> <li>➤ A flow divider 4/1 ensures the synchronization of the jacks.</li> <li>➤ Each jack is equipped with safety blocking valves.</li> <li>➤ The flexible devices are equipped with stainless steel connection.</li> <li>➤ In the event of failure of the system, two hoists can be set up to hoist the mobile platform manually</li> </ul> <p><b>6. AIR BOTTLE FILLING SYSTEM</b></p> <ul style="list-style-type: none"> <li>➤ Two 300 bar 12M3/h Electric driven Air compressors supply a buffer of bottles.</li> <li>➤ A HP flexible hose ensures the inflation of the 300 bar bottles buffers from two soundproofed compressor installed on the pontoon.</li> <li>➤ 18 Bottles plugs are installed.</li> <li>➤ The bottles are equipped with isolating tap in order to be able to optimize the filling of the bottles of the SC.</li> <li>➤ The bottles feed a collector equipped with a Pressure gauge 0/600 bar which outputs on a circuit made up of a filter, of a pressure reducer 350/230 bars, of a 235 bar safety valve and with a pressure gauge 0/400.</li> <li>➤ 4 Flexible devices equipped with clamp with purging and pressure gauge allow the inflation of the B18 bottles installed on the SC.</li> </ul>		
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<p><b>7. BATTERY CHARGE SYSTEM</b></p> <ul style="list-style-type: none"> <li>➤ Six chargers 24V 30A allow the batteries charge during the night of the sets of SC batteries and the set of the hydraulic system batteries.</li> </ul> <p><b>8. CUSTOMER RECEPTION</b></p> <ul style="list-style-type: none"> <li>➤ A bar reception is equipped with a cooler for fresh drink, and rack for the personal effects of the customers</li> <li>➤ 4 benches trunks allow the storage of the life jacket and diving gear.</li> <li>➤ A aluminum structure roof is available in option</li> </ul> <p><b>9. TOWING</b></p> <ul style="list-style-type: none"> <li>➤ The SFD can be towed at a speed of 5 Knots.</li> <li>➤ The mobile loading deck is put in high position and the SC are fastened with the flooring by a system of clamp.</li> </ul> <p><b>10. SELF PROPULSION</b></p> <ul style="list-style-type: none"> <li>➤ Aluminum Frame are installed on the ends of bridge pontoons to fix two outboard engines (maximum capacity 115 Hp not in the scope of this supply) and their tank of petrol</li> <li>➤ A control board is supplied that shelter the Electro Hydraulic Pump, the batteries and the chargers and the electric protection switch board. Steering wheel and Thrusters control of the Outboard engine (Not in the scope of this supply) are to be installed in this board as well as navigation equipment.</li> </ul>		
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