WATER COOLING TANK
Assists MTBM Drive Motor Cooling and Flushes Seals, With Large Capacity Supply
FA10030F

Features
Large capacity polyethylene Water Cooling Tank is universal to all Akkerman MTBM systems.

Provides cooling and jetting supply for Center Drive MTBMs and jetting supply for Periphery Drive MTBMs.

Assembly includes two cooling pumps for the main drive motor.
Water cooling supply; the small pump is for a 30-75 HP drive motor and the large pump is for a 125-250 HP drive motor.

Allows for reserve capacity for jetting water if the source water is not able to remain consistent with the discharge.

Water Cooling Tank is positioned on the project site at surface level near the control container.

Water is pumped through a valve on the jacking frame through hosing in the tunnel to the water strainer then to the electric drive motor water jacket.

Cooling hydraulic pump pressure is displayed on the Guidance System control console screen for operator monitoring.

Water Cooling Tank is encased in a fully transportable lift frame that includes lift eyes, fork pockets and hosing hooks; tank must be empty before lifting.

For use with clean filtered water only.

Specifications

<table>
<thead>
<tr>
<th>Dimensions l x w x h</th>
<th>14.5 x 6 x 6.5-ft (4.4 x 1.8 x 2 m)</th>
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</thead>
<tbody>
<tr>
<td>Weight (Empty)</td>
<td>2,200 lbs (998 kg)</td>
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<tr>
<td>Tank Capacity</td>
<td>1,685 gal (6,378 L)</td>
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</table>

Large Drive Motor Pump Assembly
(For Cooling and Jetting of Center Drive MTBMs and Jetting of Periphery Drive MTBMs Featuring 125 HP+ Drive Motor; Water Cooled Booster Pump or Gear Reduction Filtration)

Motor: 3 HP (2.2 kW)  
RPM: 1,740  
Pump: Max. GPM Capacity: 6 gpm (22.7 L/min)  
Delivery @ Max. Pressure: 292 revs/gal (78 rev/L)  
Max. Inlet Pressure: 250 psi (1,724 kPa)  
Oil Capacity: 1.1 US qt (1.05 L)

Smaller Drive Motor Pump Assembly
(For Center Drive MTBMs Featuring 30 and 75 HP Drive Motor)

Motor: 1/2 HP (0.37 kW)  
RPM: 1,725  
Pump: Max. GPM Capacity: 1.8 gpm (6.8 L/min)  
Delivery @ Max. Pressure: 972 revs/gal (258 rev/L)  
Max. Inlet Pressure: 250 psi (1,724 kPa)  
Oil Capacity: 1.0 US qt (0.95 L)

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