An amphibious excavator that can travel and work safely and effectively on soft terrain such as swamp, wet land and shallow water. The well designed amphibious hydraulic undercarriage has ultra-low ground pressure and unparalleled mobility to work on soft terrains and swamps area. We manufacture amphibious hydraulic undercarriages for excavator ranging from 5 to 40 ton excavators. Ultratrex Amphibious Excavator has well proven itself to work effectively on the following applications:

• Swamp land clearing at mining area, plantation and forest.
• Deepening of canal, river channel & river mouth.
• Building bund for flood prevention & land reclamation.
• Building bund wall for fish & shrimp ponds & salt making industry.
• Sludge clearing of lakes, ponds & water reservoir.
• Digging trenches for oil & gas piping installation.
• Transporting & clearing landslide & flood hit area.
• Swamps and wetlands construction.
• Road construction through wetlands.

Ultratrex AT 50ER / AT 50ERPS amphibious hydraulic undercarriage technical specification:
1. Amphibious undercarriage hydrostatic drive.
   Brand: DOOSAN.
   Type: Hydrostatic drive with integrated hydraulic 2 speed motors.
   Working pressure: 350kgf/cm².
   Output torque: 1250kgfm.

   Each amphibious undercarriage is equipped with 3 independent water tight compartments.
   The bottom of amphibious undercarriage is reinforced.

3. Track Chains
   Double strands track chain per amphibious undercarriage. Pitch: 152.4mm.
   The track chain rollers are running on Hardox 400, 10mm thickness wear plates.

4. Gradeability: 30 degree.

5. Operating weight
   14.04 tons. (Including hydraulic excavator upper body and 7.5 meter Long Reach Arm).

6. Warranty
   10,000 hours warranty on the UHMWPE (Ultra-High-Molecular-Weight Polyethylene) track plates against cracks.
**Technical Dimension**

**Dimension Are Based On 7.5m Long Reach Arm & 0.15m3 GP Bucket.**

**Specification Are Subject To Change Without Prior Noticed.**

Retracted position - Transportation purpose.

Extended position - Operating purpose.
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