



## **AT-50HD (HYDROSTATIC DRIVE)**





<b>Quick Specs.</b>	<b>AT-50HD</b>
<b>Payload:</b>	7,500 LBS.
<b>Dry Weight:</b>	10,500 LBS.
<b>Gross:</b>	18,000 LBS.
<b>Suspension:</b>	Rubber Torsion Axle
<b>Track Width:</b>	22" symmetric or 32" symmetric
<b>Speed:</b>	12 mph
<b>Drive:</b>	Hydrostatic
<b>Steering:</b>	Dual Hydraulic Pilot operated joystick
<b>Fuel:</b>	Diesel
<b>Horsepower:</b>	125 HP
<b>Width:</b>	78" with 22" track 101" with 32" track
<b>Length:</b>	180"
<b>Height:</b>	86"
<b>Cab Seating:</b>	2(crew cab or single cab available)
<b>Max Gradient:</b>	Side 40% Front 60%

**ALL-TRACK Inc.**  
**4281-23<sup>RD</sup> STREET N.E.**  
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## **MODEL**

**AT-50HD (HYDROSTATIC DRIVE)**

## **STANDARD FEATURES**

### **Vehicle Overall Dimensions**

**Length:** 180"

**Width:** 78" with 22" track, 98" with 32" track

**Height:** 86"

**Deck Height:** 36"

**Deck Area:** 100" x 76"

### **Weights**

**GVWR:** 18,000 LBS.

**Curb:** 10,500 LBS.

**Payload:** 7,500 LBS.

### **Ground Pressure**

**22" WIDE TRACKS:** (Measured at 6" Penetration)

**Unloaded:** 2.0 PSI

**Fully Loaded:** 3.4 PSI

**32" WIDE TRACKS:** (Measured at 6" Penetration)

**Unloaded:** 1.4 PSI

**Fully Loaded:** 2.4 PSI

### **Frame**

**Type:** Tub Type, Toboggan style frame with full removable skid plates

### **Performance**

**Travel Speed:** 12 MPH

**Gradeability @ G.V.W.R.:** 30 deg. uphill/downhill, 20 deg. side hill

**Fording Depth:** 40"

## **Engine**

**Make:** JCB

**Model:** TCAE-93 125HP

**Fuel:** Diesel

**Number of Cylinders:** 4

**Displacement:** 4.4 Liters

**HP @ RPM:** 125HP @ 2200 RPM

**Torque:** 404 LB.FT @ 1500 RPM

**Cold Starting Aid:** Intake Preheat

**Block Heater:** 120 volts/1,250 watts, min.

**Aftertreatment:** DOC and SCR only, no DPF

**Air Cleaner:** Dual Stage, safety element and dust unloader, Restrictor indicator

## **Cooling System**

**Radiator:** Heavy Duty, Tropical Rated, with protective grill

**Operating temperature at maximum load:** 204 deg. full open thermostat

**Coolant:** Protected from gelling up to -45deg. Celsius

**Intercooler:** Mounted alongside radiator

## **Engine Electrical**

**Ignition Switch:** Key Switch

**System Voltage:** 12 volt DC negative Ground

**Alternator Capacity:** 95 Amp.

**Battery:** Dual maintenance free battery

**Battery Capacity:** Min. 950 CCA

**Battery Disconnect Switch:** Master switch mounted inside cab

**Remote Battery Jumping Terminals:** Mounted within easy reach outside of cab

**Cable Size:** 2/0

## **Fuel Tank**

**Capacity:** 34 US. Gal.

**Location:** Mounted inside frame

**Features:** Drain plug, level indicator, fluid baffles

**Fuel Water separator:** Mounted in convenient location, includes manual drain

**Fuel Cap:** Lockable

## **Exhaust System**

**Muffler and Spark Arrester:** Integrated in aftertreatment. Vertical exhaust outlet behind cab.

**Rain Cap:** 90DEG. Slant cut elbow

## **Drive System**

**Drive location:** Rear

**Type:** Hydrostatic

**Pumps:** Linde HPV Heavy-duty Drive pumps

**Pump Drive:** Single pad tandem pump drive

**Motors:** Poclain MS-11 Two Speed HTLS (high torque low speed) wheel motors

**Steering Control:** Dual hyd. Pilot operated joysticks for reliability and ease of maintenance

**Parking Brake System:** Integral Disc Brake in Hydraulic Motor, Failsafe

**Drive Sprocket:** 12 tooth steel hub with molded urethane coating

## **Hydraulic Reservoir**

**Tank Capacity:** 17 Gal.

**Location:** Mounted on rack located behind cab

**Cooling Circuit:** Thermostatically controlled @ 160 deg. f.

**Cooler:** High capacity forced cooling, thermostatically controlled. Brushless Fan and pulse width modulated controller.

## **Filters**

**Charge filters:** Single filter for each circuit mounted in easy to reach location with bypass indicator

**Return Filter:** Mounted in tank, easy access

## **Suspension**

**Type:** Heavy-duty rubber torsion axles. Easily replaceable. Can be changed without removing track.

## **Wheels**

**Quantity:** 8

**Type:** Steel cores with solid bonded rubber tire

**Dimensions:** 22" x 6"

**Tires:** Smooth crawler tires

**Wheel Hubs:** Oil bath hubs with metal face duo-cone type seals. Heavy duty thread on cap with sight glass.

## **Tracks**

**Type:** Steel crosslinks with rubber belts

**Width:** 22" or 32"

**Grouser type, material and profile:** Formed high strength steel U-channel

**Belt:** Rubber, Nylon re-enforced 4-ply high strength belting

**Track Tensioner:** Automatic Hydraulic tensioning cylinder with pivoting crank

## **Towing Assembly**

**Type:** 2" Receiver

**Capacity:** 10-ton

## **Deck**

**Type:** Flat cargo deck with headache rack and tie downs

**Decking Material:** 3/16" steel checker plate

**Size:** 100" Long X 82" Wide

## **Recovery Winch**

Available to match customer specs.

Option for 16,000 lb. hydraulic recovery winch

## **Safety and Vandalism protection**

**Emergency Brake:** Integrated multi-disc brake in hydraulic motor. Spring applied when charge pressure is lost.

**Control Lock Out:** Safety interlock switch in driver seat.

**Locks:** All entry points into cab are locking type latches.

## **Cab**

**Type:** cab over, tilting all-weather cab. ROPS Certified

**Personnel capacity:** Two

**Glass:** Tinted tempered glass

**Doors:** Two lockable doors with sliding windows and screens

**Escape hatch:** Escape hatch over operator

**Seats:** Adjustable suspension driver seat and passenger seat

**Defroster:** Directional heated defrost circuit

**Heater:** 40 000BTU, two speed cab heater

**Windshield wipers:** Multi speed

**Interior lights:** Overhead Dome lights and instrument illumination

**Mirrors:** convex rearview mirrors

*Open cab available as option*

## **Cab protection**

**Bumper:** Heavy duty bumper and brush guard

**Brush guards:** Available

**Window guards:** Available

## **Instruments**

**Warning Lights (Hydrostatic):** oil temperature, low tank level, Clogged filters

**Gauges (Engine):** Full Diagnostic display showing all engine parameters.

## **Vehicle lighting and wiring**

**Wire protection:** All wires covered with protective loom.

**Interior lighting:** Dome light and illuminated instruments

**Exterior lighting:** Four LED flush mount head lights with brush guards, L.E.D. work lights, and deck lights

**Reflectors:** Reflective tape on deck, cab, and bumpers

**Circuit Breakers:** Automatic reset

**Switches:** IP65 Rated

## **Recovery Sling**

**Capacity:** 10-ton working load sling

**Location:** Mounted on front of frame on heavy duty steel lugs

## **Finish**

**Paint:** High quality industrial finish of customers corporate colors

**Badges:** polished stainless steel "ALL-TRACK" identifying badges

**Decals:** Factory installation of corporate decals, warning labels, and starting instructions

## **Warranty**

Alltrack Inc. offers a 1 year, 1000hr warranty on material and workmanship of the tracked vehicle. Engine warranty will be extended from the engine manufacturer.

## **Options**

The AT-50HD can be equipped with Drills, Water tanks, Fire fighting equipment, Plows, picker cranes, man lifts, dump boxes, and virtually any other truck mounted equipment. All-Track Inc. can also modify and alter machine design to accommodate any special needs or applications that your company may have.