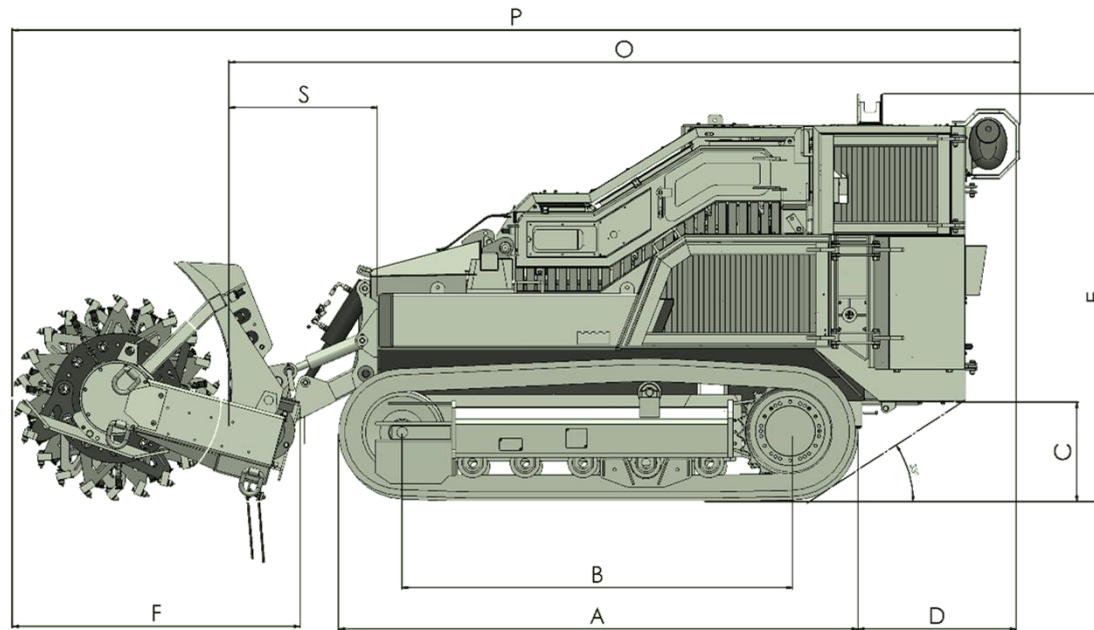


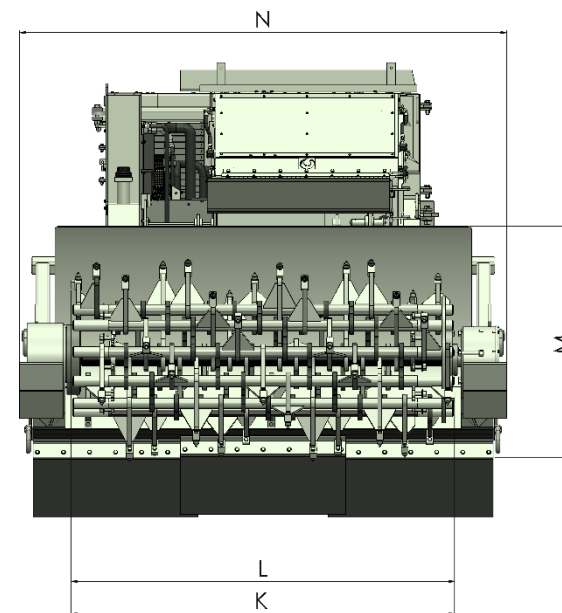
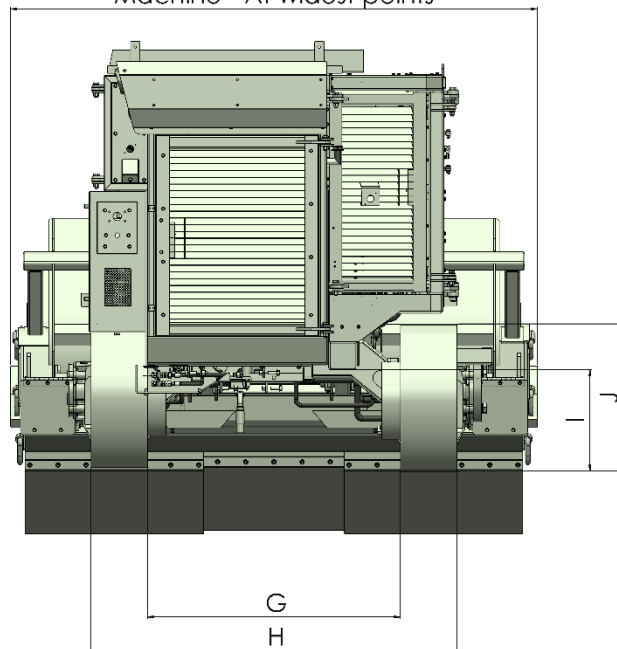


ARMTRAC 75T-230 CABLESS

SPECIFICATIONS



Machine - At widest points





STATIC DIMENSIONS

A	Track length (Diameter)	2905 mm
B	Track Footprint Length	2200 mm
C	Under Carriage Height	560 mm
D	Overhang (Rear) – Excl. lifting eye	669 mm
E	Overall Height	2300 mm
F	Header Length Tiller/Flail	1605/1512 mm
G	Track width – inside	1330 mm
S	Front Linkage	525 mm

H	Track width – outside	1947 mm
I	Ground clearance	540 mm
J	Track Height	787 mm
K	Tiller / Flail Width	2805/2805 mm
L	Tiller / Flail Clearance Width	2208/2100 mm
M	Header – Overall Height Tiller/Flail	1487/1250 mm
N	Header – Overall Width	2805 mm
O	Overall Machine Length (Excl. Tool)	4434 mm
P	Overall Machine Length (Incl. Tool)	5665 mm
	Overall Machine Width (at widest points excl. tool)	2080 mm

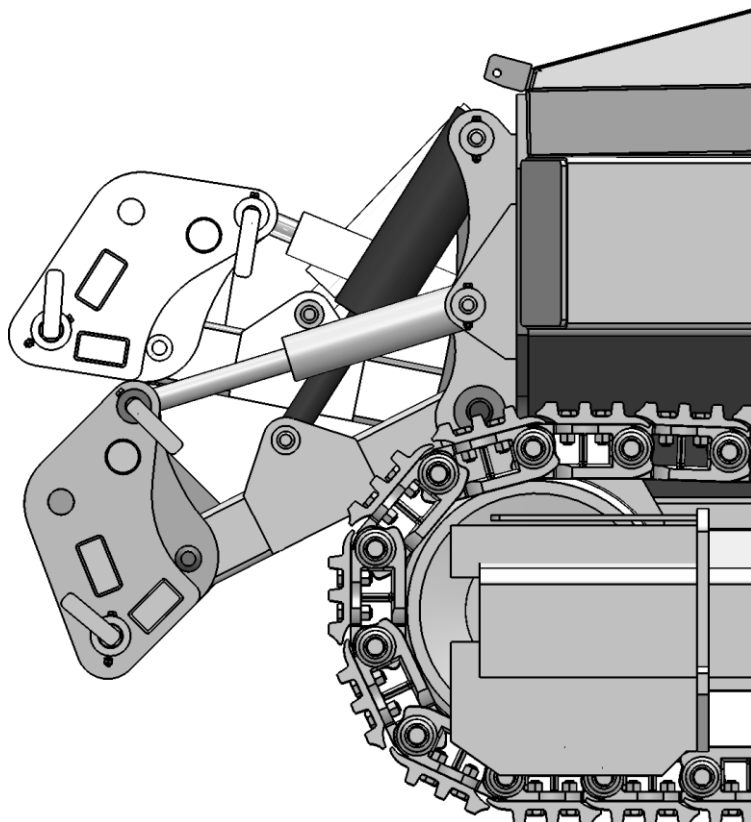
WEIGHTS & FLUID CAPACITIES

	WEIGHTS	
	Armtrac 75T Remote Controlled (Cableless)	7340 Kg
	Header (Tiller)	2800 kg
	Header (Flail)	1885 Kg
	Hydraulic Oil	325 litres
	Track Gearbox	5 litres
	Splitter Box	10 litres

	FLUID CAPACITIES	
	Fuel (Diesel)	286 litres*
	Engine Oil	26.5 litres
	Water Coolant (Deutz Power Pack cooler)	22.7 litres

* *At sea level.*

* Volumetric Calculation



LIFT PERFORMANCE 75T-230

Machine model	75T-230
Lift capacity at full height	2700kg
Lift capacity at full reach	1700kg
Lift height	444mm

ENGINE

Latest technology & advanced design provides low fuel consumption, reduced noise, high torque & power output with total reliability ensuring minimal maintenance.
 Two-stage dry type air filters with primary & safety elements.

Manufacturer	Deutz
Model	TCD2013L06 2V
Maximum torque	1050 N.m (ISO 14396)
No of cylinders	6
Maximum rating @2300 RPM	258 HP
Maximum RPM	2300
Aspiration	Turbo / intercooled
Power Rating	
Power @ 2000 RPM	250 HP
Fuel consumption	25 – 32 Ltrs / Hr
Water coolant operating temperature	45' (Ambient)

TRACK DRIVE

Type: Fully hydrostatic Two-speed
 Travel motors: Variable swash axial piston type, fully guarded within under-carriage frame
 Final drive: Planetary reduction, bolt-on sprockets.
 Travel speed: High – 10.34 km/h continuous.
 Travel effort: 55K/Newton.

BRAKES

Service brakes: Hydraulic counter balance valve, to prevent over-speed on gradients.
 Parking brake: Disc type, spring applied- hydraulic release.

ELECTRICS

24 Volt negative earth. 145 Amp Hr battery. 55 Amp alternator. Full road lighting.
 Reversing light. Horn. Reverse alarm. Fully remote controlled.

STEERING

One lever 4 position joystick control (hardwired & remote control) Forward Reverse left & Right.
 Left & Right position allows one track to turn in one direction while the other turns in the Opposite direction, allowing the machine to turn through 360 degrees while remaining on the Spot.



FRONT LIFT CARRIAGE

The Front Lift Carriage is manufactured of high tensile steel. It has a quick fit self-levelling carriage with a lever operated pin locking system. This allows the Armtrac 75T-230 to be a multi-function machine for de-mining as well as loading & lifting of heavy objects with standard fork-lift tines.

SAFETY CHECK VALVES

Fitted to carriage tilt, telescopic & boom lift rams.

HYDRAULICS

Operating @ 2000 RPM	Relief valve settings	Maximum Flow
Variable displacement pumps		
Flail / Tiller	350 bar	350 L/min
Track per track	350 bar	140 L/min
Gear pumps		
Auxiliary	250 bar	60 L/min
Oil cooler fan	100 bar	30 L/min
Water cooler fan	100 bar	30 L/min

FILTRATION

The hydraulic components are protected by the highest standard of filtration to ensure long fluid & component life.

Inside tank	90 micron suction strainer
Main return line	25 micron paper elements
Drive lines	10 micron pressure filter

CLEARANCE CAPACITY

	Tiller	Flail
Rotation speed (Nominal)	350RPM (Nominal)	350RPM
	400RPM (Max)	400RPM (Max)
Clearance Capacity (m2/hr)	Light soil/medium vegetation	1700m2 /hr
Demining/Clearance Speed		1 Km/hr
Maximum working depth	Medium soil/vegetation	35cm
	Heavy soil /vegetation	1500m2 /hr
		1200m2 /hr
Explosive charge tested to 8.0kg – replace some picks / chains.		
Slope gradient capability: 35 deg. vertical and horizontal		

UNDER CARRIAGE

Construction	Fully welded X frame type central belly guarding	
Upper & lower rollers	Heat treated sealed & lubricated	
Track adjustment	Grease cylinder type.	
Track idler	Sealed & lubricated with coil spring	
Cushioned recoil	Spring	2
Track shoe	450mm triple grouser	
Roller per side	Upper rollers	1
	Lower rollers	7
	Track shoes per side	34
Climbing	Lateral Slope	30 degrees
Capability(deg.)	Longitudinal slope	30 degrees
Remote Control	Distance	1km LOS
Operating Temperature (°C)	-19 ~ +43	

OPTIONS & ACCESSORIES

Options:
Multipurpose bucket / blade, fork-lift tines, back hoe, standard bucket, tool box, Armtrac sifter

HYDRAULIC CYLINDERS

Double acting type, with bolt up end caps & hardened steel bearing bushes.
Hose burst check valves & Accumulators fitted to carriage ram for cushioning against Anti-Tank mine blast pressure.



Remote Features

1	Antenna socket	SEE WARNING!
3	MODE 1:	Boom UP/DWN, Bucket CROWD/TIP
3	MODE 2 & 3:	Dipper UP/DWN, Bucket CROWD/TIP
5	Emergency STOP	Emergency stop button
7	Rotor	OFF / ON / START
9	Engine Speed (RPM)	INCREASE / DECREASE
11	LCD Display	Complies with IP-66 Icon on screen : Battery charge, oil pressure, level 12 Stop Engine hydraulic and engine oil, Fuel (%), Speed, RPM, Alerts and Temperatures.
13	MODE 1:	Aux 2
15	MODE 2 & 3:	Off Side Leg UP/DWN
17	Cruise Control	SET
17	Float	
19	Horn Sound	Safety Check Start Up
20	T.B.D.	(Mode 1/2/3)
22	MODE 1:	Boom IN/OUT
22	MODE 2 & 3:	Backhoe Boom UP/DWN Slew LEFT/RIGHT

2	MODE 1 & 3:	Tracks (LH & RH, FWD & REV)
3	MODE 2:	Dip 180, UP/DOWN, GRAB 360 CW/CCW
4	Tracks	TRIM
6	High Speed	ON / OFF
8	Rotor Speed	INCREASE/DECREASE
10	Engine Start	Press
12	Engine Stop	Press
14	MODE 1:	Aux 1
14	MODE 2 & 3:	Near Side Leg UP/DWN
16	Cruise Control	ON / OFF
18	Control Box:	ON / OFF
18	MODE 2 & 3:	Reverse Fan
21	XA	
23	Channels	Total 24 (4 groups of 6)

* 1 Press (20 & 16) Simultaneously for work light / camera - on / off

OTHER FEATURES		
Working range	1000m line of sight	
Frequency	434 MHz @ 100mW	
Battery	3.8 Volt, 750mAh, Ni-MH, Rechargeable	Battery Life: 7 - 10 Hours
		Battery Charging Time: 2 - 3 Hours
Proportional Joystick	Standard	
Remote Control Weight	≥500 grams	
Transport case	Exterior High Density Plastic and Interior Foam	





OPERATING TEMPERATURE OF A75T-230 AND ALL PARTS ASSOCIATED WITH IT

Operating temperature	-19° to +54° C
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STANDARDS

- | | |
|--|--|
| <ol style="list-style-type: none">1.2.3.4.5. | <p>Ambient Operating temperature in accordance with NATO STANAG 4370</p> <p>Uses diesel fuel F54 in accordance with NATO STANAG 4362</p> <p>Uses operating fluids in accordance with NATO STANAG 1135</p> <p>Incorporates fastening elements for transportation in accordance with NATO STANAG 4062 and 7213</p> <p>External Starting System in accordance with NATO STANAG 4074</p> |
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REMOTE VIDEO SYSTEM

NOTICE: Due to the details of *Armtrac's Remote Video System*, full specifications are contained within their *own Specification Sheet*.

Video System	Proprietary confidential.		Operator Station	Ruggedized Mil Spec tablet
Cameras	Up to 4 cameras – type, as per Customer & condition requirements. Fitted front & rear, and both sides as required		Standards	MIL-STD 810G, IP65, C1D2, MIL-STD- 461F
Range	1000 Meters LOS		Battery Life	7 Hours
Operating Frequency	5.10 - 5.85 GHz		Wireless	AC7260 802.11 a/b/g/n/AC & Bluetooth 4.0 Class 1
Display	11.6" FHD (1920 x 1080) 500 nits LCD Panel / Capacitive Multi-Touch / Optical Bonding Sunlight Readable LCD 500 nits / Ambient Light Sensor / Built-in G sensor / 9-axis Sensor			
Spread Spectrum	Bespoke Software Controlled. Changes channel by periodically hopping to a lesser used channel & tracks interference levels on each channel, hopping more frequently to those with less interference.			