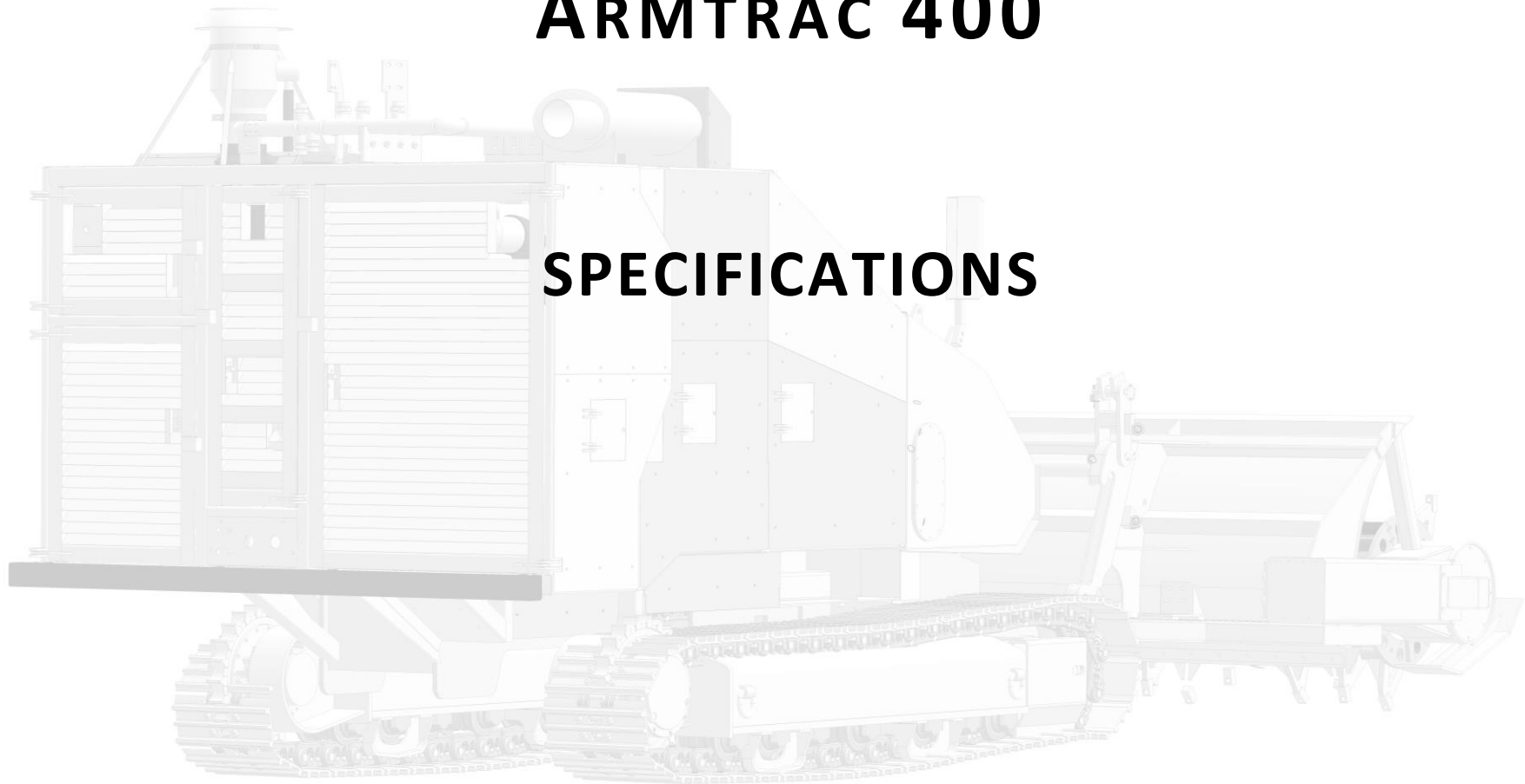
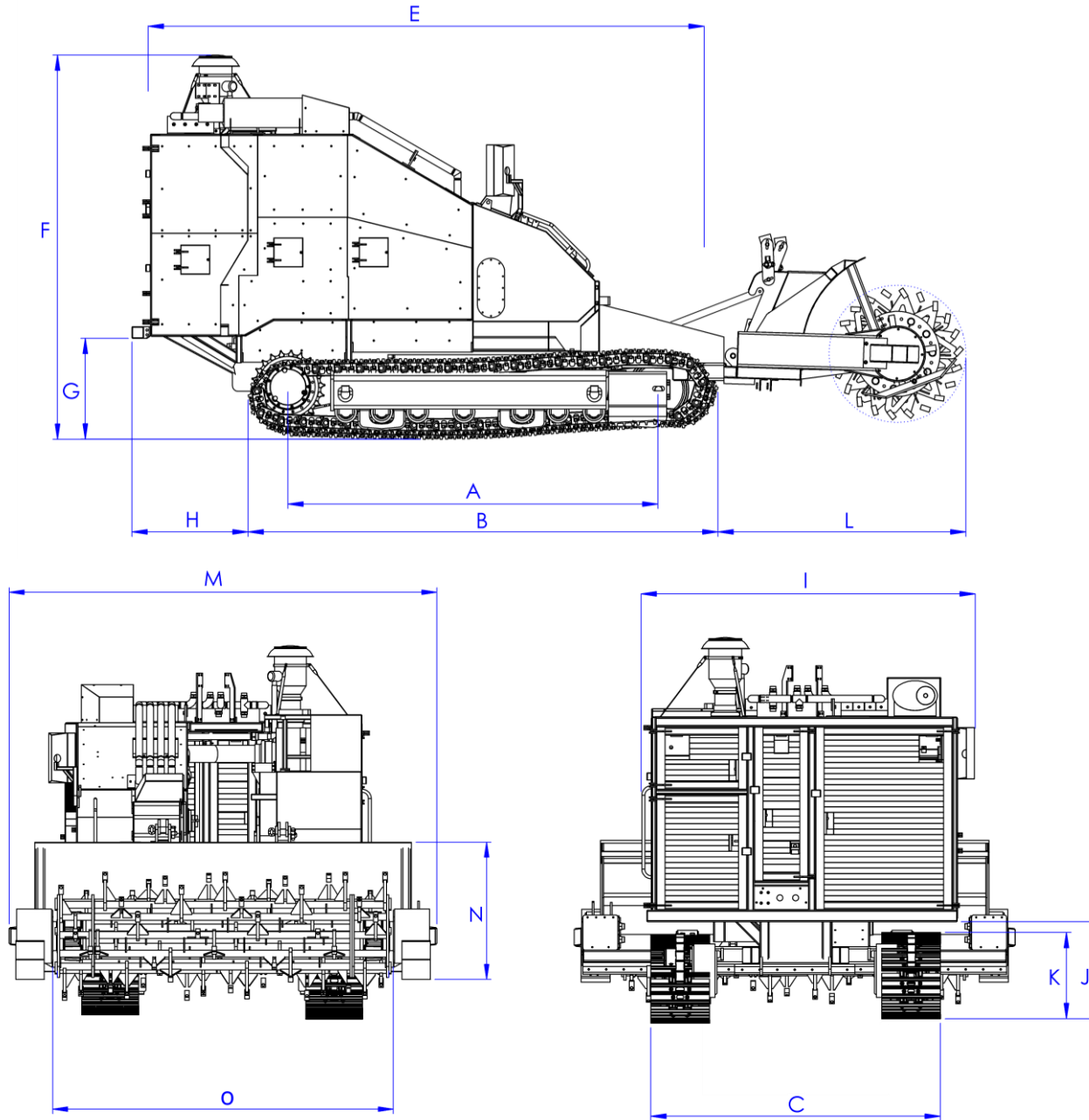


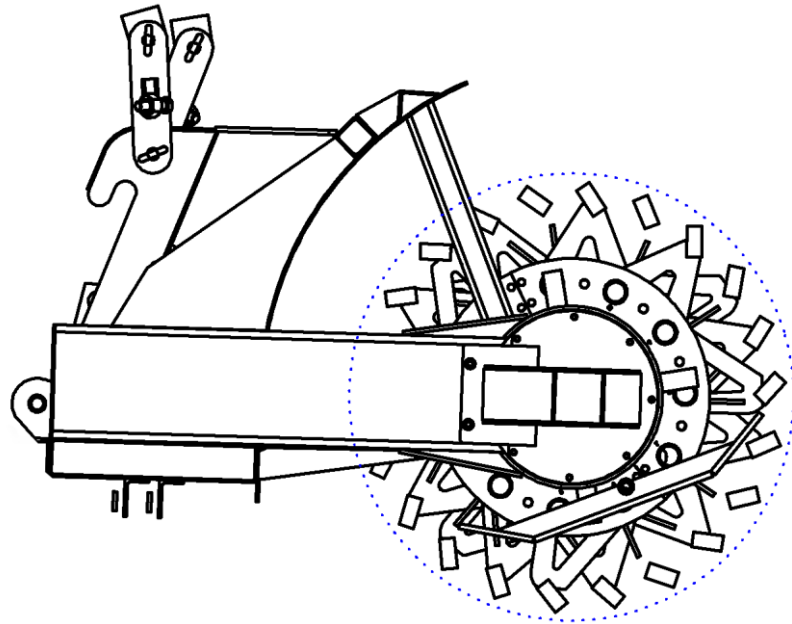


ARMTRAC 400

SPECIFICATIONS







WEIGHTS

MAX. OPERATING WEIGHT	18,000 kg
FLAIL HEADER	2,500 kg
TILLER HEADER	2,800 kg

STATIC DIMENSIONS

A	Track length on ground	3090 mm	I	Width of superstructure	2795 mm
B	Undercarriage overall length	3940 mm	J	Ground clearance	470 mm
C	Track width	2500 mm	K	Track height	880 mm
D	Width over tracks (500 mm track shoes)	2510 mm	L	Tiller length	1979 mm
E	Transport length – overall length to front of carriage	5550 mm	L	Flail length	1921 mm
F	Transport height	3395 mm	M	Tiller / Flail width	3781 mm
G	Undercarriage height	1000 mm	N	Tiller height	1389 mm
H	Undercarriage to rear chassis	500 mm	N	Flail height	1206 mm
			O	Tiller + Flail clearance path	2905 mm



ENGINE

Latest technology & advanced design provides low fuel consumption, reduced noise, high torque & power output, total reliability & minimal maintenance.

Two-stage, dry type air filter with primary & safety elements.

Manufacturer		Deutz
Model		BF6M
Displacement	cm³	11906
No. of cylinders		6
Bore size	Mm	132
Stroke	Mm	145
Aspiration		Turbo intercooler
Power rating		
Power @ 1900	kW (HP)	300 kW
Torque rating		
Torque @ 1300rpmNm (lb ft)		425 (313.5)532(392.4)
Fuel consumption		35 – 45 l/hr
Water cooled working temperature		55° ambient

CARRIAGE

The carriage is manufactured on high tensile steel that can extend & retract, with quick-fit self-Levelling carriage, with a lever operated pin locking system. This allows the Armtrac 400 to be A multi-function machine.

Carriage fitted with hard wearing low maintenance pads.

Auxiliary hydraulic service fitting as standard.

SAFETY CHECK VALVES

Fitted to carriage tilt, telescopic & lift rams.

TRACK DRIVE

Type: Fully hydrostatic, two speed.
 Travel motors: Variable swash axial piston type, fully guarded within undercarriage frame.
 Final drive: Planetary reduction, bolt-on sprockets.
 Travel speed: High 7.0 km/hr. continuous.
 Travel effort: 151 kN

BRAKES

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

ELECTRICS

24 V negative earth. 145 AH battery. 55 Amp alternator. Full load lighting. Reversing light. Horn. Reverse alarm optional.
 Remote controlled to 1000 meters.

STEERING

One lever 4 position joystick control (hard-wired & remote control) forward / reverse / left / right
 Left & right position allows one track to turn in one direction & the other track in the opposite direction.
 This allows the machine to rotate on the spot.

DELUX CAB

Quiet & comfortable cab constructed from 10 mm armoured steel & 37 mm Polycarbonate tinted. glass, conforming to 7.6 NATO ball, ROPS ISO 3471 & FOPS ISO 3449. Front window bars
 Screen wash / wipe & heater / screen demister. Opening roof escape hatch. Audio-visual warn system for coolant temp, water in fuel, engine oil press air cleaner, battery, transmission oil temp & pressure warnings. Adjustable steering column as well as adjustable suspension seat.



SERVICE CAPACITIES

Fuel Tank	Litres (UK gal)	470 (100)
Hydraulic Tank	Litres (UK gal)	800 (170)
Coolant	Litres (UK gal)	21 (4.5)
Track Gearbox	Litres (UK gal)	5 (1)
Splitter Box	Litres (UK gal)	10 (2)

HYDRAULICS (OPERATING @ 2000 RPM)

	<i>Relief Valve Setting</i>	<i>Maximum Flow</i>
Variable Displacement Pumps		
Flail / Tiller	350 bar	350 L/min
Track per track	343 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 Hydraulic fluid & component performance.

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

HYDRAULIC CYLINDERS

Double acting type with bolt up end caps & hardened steel bearing bushes. Hose burst check valves for carriage rams.

Accumulators fitted to carriage ram for cushioning against mine blast pressure.

CLEARANCE CAPABILITIES

Tiller		Flail	
Picks	62	Chains	76
Diameter	1136 mm	Diameter	2200 mm
Rotation	350 rpm	Rotation	350 rpm

Clearance Speeds :

Light soil / medium vegetation	30,000 m ² /Day.
Hard soil / heavy vegetation	18 – 20,000 m ² .Day.
Maximum working depth	35 cm

Explosive charge; Double stacked anti-tank mines & anti-fragmentation mines. Damage required replacement of chains & picks only.

UNDER CARRIAGE

Recovery point	Front & back
Upper & lower rollers	Heat treated, sealed & lubricated
Track adjustments	Grease cylinder type
Track idler	Sealed & lubricated
Recoil	Spring 2
Track shoe	500 mm
Roller & shoe (each side)	Upper rollers: 2
	Lower rollers: 7
	Track shoes: 43
	Track guides: 1

OPTIONS & ACCESSORIES

Options: Multi-purpose bucket / blade, fork lift tines, backhoe, standard bucket, tool box & Sifter.



***2 REMOTE VIDEO SYSTEM**

Video System	<i>Proprietary confidential.</i>	Operator Station	Ruggedized tablet (IP 68)
Cameras	Up to 4 cameras – type, as per Customer & condition requirements.	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.		