Dipperfox®

Dipperfox Stump Crusher 600

Dimension	metric	imperial
Cutting diameter	600 mm	23,62 in
Drilling depth (from the ground)	700mm	27,56 in
Working pressure	150-250bar	2175-3629 PSI
Hydraulic flow min-max	65-150 l/min	17-39 gpm
Weight	285 kg	628 LB
Reqirements for carrier		
Excavator (EXC)		
Excavator size	6-14 tons	6-14 tons
Excavator engine power	35-83 kW	47-111 hp
Backhoe Loader (BHL)		
BHL size	6-14 tons	6-14 tons
BHL engine power	50-80 kW	67-107 hp
Compact Track Loader (CTL)		
CTL size	2-6 tons	2-6 tons
CTL engine power	40-80 kW	54-107 hp
Skid Steer Loader (SSL)		
SSL size	2-6 tons	2-6 tons
SSL engine power	40-80 kW	54-107 hp
Gearbox	**2-speed planetary gearbox**	**2-speed planetary gearbox**
1st-gear torque Nm	16900 N	12465 ft lbf
1st-gear rotation speed	37 RPM*	37 RPM*
2nd-gear torque Nm	10800 N	7966 ft lbf
2nd-gear rotation speed	57 RPM*	57 RPM*
Performance		
Stumps per hour (<60cm)	up to 60*	up to 60*
Drilling speed per stump (<60cm)	ca 60 sec*	ca 60 sec*
Cutting step/chip thikness	5-15 mm	0,2-0,59 in
Consumables		
Boltable blades (2 side)	+	+
Replaceble center screw	+	+
Hydraulic outputs		
Oil forward and backflow	M 30 x 2	3/4"
Oil forward and backflow	M 30 x 2	3/4"
Anti-drain back valve	M 22 x 1,5	1/2"

*tested 230bar and 100 l/min

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Dipperfox Stump Crusher 850 Pro the ultimate stump removal tool

Dipperfox at the glance

- 10 times faster than other known stump removal methods

- No waste to utilize left behind (grinded stump will be used as fertilizer for the ground)

- Suitable for excavators between 14 to 30 tons

- Automatic speed/torque adjustment (built-in long lasting 2-speed planetary gearbox)

- No electricity, no cables to connect (fully hydraulic operation)

- Unit can be stored in outside conditions (no sensitive electronics, no corrosion on contacts)

- Boltable consumables (double-sided cutting blades)

- Easy to maintain - long (250 hour or 2 times a year) oil change cycle

- Light weight (575 kg/1267 lb) allows Dipperfox Stump Crusher 850 Pro to be transported on with pick-up truck or trailer

- Reduced noise pollution, compared with grinders – less strain on surrounding ears

- Unique in its class – patented technology

- Developed and engineered by an excavator entrepreneur, who has 20+ years of experience in excavator fleet management

- Optimal technical requirements for the best operating efficiency: oil flow 220L/min - 58gpm and 300bar/4351PSI pressure @2000rpm

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YouTube

Dipperfox Stump Crusher 850 Pro

Dimensions	metric	imperial
Cutting diameter	850 mm	33,5 in
Drilling depth (from the ground)	900 mm	35,4 in
Working pressure	180-350 bar	2610-5076 PSI
Hydraulic flow min-max	110-220 L/min	29-58 gpm
Weight	575 kg	1267 lb

Reqirements for carrier excavator		
Excavator size	14-30 tons	30 800-66 000 lb
Excavator engine power (hp)	74-130 kW	100-176 hp

Gearbox	2-speed planetary gearbox	
1st-gear torque Nm	43000 N	31700 ft lbf
1st-gear rotation speed	30 RPM*	30 RPM*
2nd-gear torque Nm	21000 N	15500 ft lbf
2nd-gear rotation speed	60 RPM*	60 RPM*

*Tested @ 230l/min and 280bar

Performance		
Stumps per hour	up to 180	up to 180
Drilling speed per stump	20 sec	20 sec
Cutting step/chip thickness	40-50 mm	1.57 - 1.96 in

Consumables		
Boltable blades (2 side)	+	+
Replaceable center screw	+	+

Hydraulic outputs		
Oil forward and backflow	M 36 x 2 (metric thread)	M 36 x 2 (metric thread)
Oil forward and backflow	M 36 x 2 (metric thread)	M 36 x 2 (metric thread)
Anti-drain back valve	M 22 x 1,5 (metric thread)	M 22 x 1,5 (metric thread)