

SAMSON 420/300/MINI

TECHNICAL DATA

	SAMSON 420	SAMSON 300	SAMSON -MINI
Demining tool	Flail unit and tiller	Flail unit and tiller	Flail unit and tiller
Engine power KW (HP)	DEUTZ TCD 2015 V06 330 (435HP)	DEUTZ BF6M 1013 FC 212 (288HP)	DEUTZ BF6M 1013 FC 212 (288HP)
Torque	2000 Nm/1300 rpm	1050 Nm/1400 rpm	1050 Nm/1400 rpm
Weight [kg]	14.800	11.400	8.700
Working length x width	8.400 x 3.700	7.800 x 3.400	6.900 x 2.700
Transportation length x width	10.200 x 2.300÷2.500	9.400 x 2.300	8.100 x 2.000
Transportation height	2900	2.900	2.000
Clearing width [mm]	2.520	2.520	2.000
Clearing depth, [mm]	100 – 350	100 – 350	100 - 350
Working speed	0-3 km/h	0-3 km/h	0-3 km/h
Transport speed [km/h]	0-25	0-25	0-20
Capacity of clearing [m ² /h] – with flail unit	2.400 to 3.600 Medium soil by depth 20cm	1.600 to 2.600 Medium soil by depth 20cm	1.600 to 2.600 Medium soil by depth 20cm
Capacity of clearing [m ² /h] – with tiller	3.200 to 4.700 Medium soil by depth 20cm	2.100 to 3.400 Medium soil by depth 20cm	2.100 to 3.400 Medium soil by depth 20cm
Hill climbing ability	100%	100%	100%
Drive	hydrostatic	hydrostatic	hydrostatic
Drive steering of the vehicle and flail unit	elektrohydraulic	elektrohydraulic	elektrohydraulic
Synhronization of the speed vehicle-flail unit	yes (automatic)	yes (automatic)	yes (automatic)
Fuel consumption (l/h)	55	30	25
Remote control	yes	yes	yes
Control from cabin	yes	yes	no
Mobility and maneuverability	chassis steering angle ±40° chassis oscilating angle ±16° flail/tiller oscilating angle ±10°		
Adaptation to terrain			
Safe against AT mines	yes	yes	yes