



DIECI



45.8



75.10

SAMSON

PERFORMANCE		
Machine model	SAMSON 45.8	SAMSON 75.10
Outriggers maximum capacity	-	7500 kg (16535 lb)
Wheels maximum capacity	4500 kg (9921 lb)	7200 kg (15873 lb)
Maximum lifting height on wheels	7,90 m (26 ft)	9,50 m (31 ft)
Maximum horizontal extension on wheels	4,45 m (15 ft)	5,40 m (18 ft)
Fork swiveling angle	134°	134°
Pull-out force	5700 daN (12814 lbf)	5700 daN (12814 lbf)
Towing force	7300 daN (16411 lbf)	7300 daN (16411 lbf)
Maximum climb angle	40%	40%
Unladen weight	8800 kg (19401 lb)	12100 kg (26676 lb)
Max speed (referred to wheels with maximum permitted diameter)	30 km/h (18,6 mph)	30 km/h (18,6 mph)
BOOM		
Machine model	SAMSON 45.8	SAMSON 75.10
Lifting	13,0 s	15,1 s
Getting off the basket	9,8 s	9,9 s
Extension	6,8 s	10,4 s
Retraction	3,8 s	4,1 s
Forward swiveling	3,3 s	4,6 s
Reverse swiveling	2,3 s	2,0 s
ENGINE		
Machine model	SAMSON 45.8	SAMSON 75.10
Brand	FPT	FPT
Nominal power	93 kW (125 HP)	93 kW (125 HP)
@rpm	2200 rpm	2200 rpm
Operation	4-stroke	4-stroke
Injection	Mechanical direct	Mechanical direct
Number and arrangement of cylinders	4, Vertical in line	4, Vertical in line
Displacement	4485 cm ³ (274 in ³)	4485 cm ³ (274 in ³)
Consumption	230 g/kWh (378,35 lb/Hp h)	230 g/kWh (378,35 lb/Hp h)
@rpm	2200 rpm	2200 rpm
Emission standards	Stage IIIA/Tier 3	Stage IIIA/Tier 3
Cooling system	Liquid	Liquid
Intake	Turbo compressor after-cooler	Turbo compressor after-cooler
DIFFERENTIAL AXLES		
Machine model	SAMSON 45.8	SAMSON 75.10
Axles type	2 steering, with 4 planetary reduction gears	2 steering, with 4 planetary reduction gears
Type of steering	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels
Front axle	Rigid (Levelling upon request)	Rigid (at Leveling request)
Rear axle	Swinging	Swinging
Service braking	Oil bath with servo brake on front and rear axle with double hydraulic system	Oil bath with servo brake on front and rear axle with double hydraulic system
Parking braking	Negative actuation with electrical control	Negative actuation with electrical control
HYDRAULIC SYSTEM		
Machine model	SAMSON 45.8	SAMSON 75.10
Hydraulic pump type	Gear pump for power steering and movements	Gear pump for power steering and movements
Hydraulic pump capacity	130 L/min (34,3 gal/min)	130 L/min (34,3 gal/min)
Max. operating pressure	25,0 MPa (3626 psi)	26,0 MPa (3771 psi)
Distributor control	4in1 proportional Joystick	4in1 proportional Joystick
REFUELING		
Machine model	SAMSON 45.8	SAMSON 75.10
Hydraulic system (total)	155,0 L (40,95 gal)	160,0 L (42,27 gal)
Diesel tank	105,0 L (27,74 gal)	105,0 L (27,74 gal)
TRANSMISSION		
Machine model	SAMSON 45.8	SAMSON 75.10
Transmission type	Hydrostatic with variable flow pump	Hydrostatic with variable flow pump
Hydraulic motor	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment
Reversal	Electro-Hydraulic	Electrohydraulic
Inching	With hydraulic pedal for controlled forward movement	With inching pedal for controlled forward movement
Transmission gearbox	Servocontrolled 2-speed	Servocontrolled 2-speed
TIRES		
Machine model	SAMSON 45.8	SAMSON 75.10
Standard tires	400/70x20"	18x22.5"
Optional tires	400/70x24"; 18x22.5"	-

DIMENSIONS

Machine model	SAMSON 45.8	SAMSON 75.10
A	440 mm (17,3 in)	440 mm (17,3 in)
B	1480 mm (58,3 in)	1480 mm (58,3 in)
C	2600 mm (102,4 in)	2950 mm (116,1 in)
D	860 mm (33,9 in)	1330 mm (52,4 in)
F	4000 mm (157,5 in)	4820 mm (189,8 in)
G	4940 mm (194,5 in)	5910 mm (232,7 in)
H	2460 mm (96,9 in)	2490 mm (98 in)
I	940 mm (37 in)	940 mm (37 in)
L	1910 mm (75,2 in)	1920 mm (75,6 in)
M	2310 mm (90,9 in)	2380 mm (93,7 in)
O	4080 mm (160,6 in)	4730 mm (186,2 in)
P	1260 mm (49,6 in)	1700 mm (66,9 in)
Q	3920 mm (154,3 in)	4400 mm (173,2 in)
T	125 mm (4,9 in)	100 mm (3,9 in)



