



# DIECI



45.8



75.10

# SAMSON

## PERFORMANCE

Vehicle model	SAMSON 45.8	SAMSON 75.10
Maximum capacity	4500 kg	7500 kg
Maximum lifting height	7,90 m	9,65 m
Maximum horizontal extension	4,45 m	5,40 m
Fork swiveling angle	134°	134°
Pull-out force	5700 daN	5700 daN
Towing force	7300 daN	7300 daN
Maximum climb angle	40%	40%
Unladen weight	8800 kg	12100 kg
Max speed (referred to wheels with maximum permitted diameter)	30 km/h	30 km/h

## BOOM

Vehicle model	SAMSON 45.8	SAMSON 75.10
Lifting	13,1 s	15,1 s
Descent	8,9 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	2,0 s	2,0 s

## ENGINE

Vehicle model	SAMSON 45.8	SAMSON 75.10
Brand	FPT	
Nominal power	93 kW (125 HP)	
@rpm	2200 rpm	
Operation	4-stroke	
Injection	Mechanical direct	
Number and arrangement of cylinders	4, Vertical in line	
Displacement	4485 cm <sup>3</sup> (274 in <sup>3</sup> )	
Consumption	230 g/kWh (378,35 lb/Hp h)	
@rpm	2200 rpm	
Emission standard	Stage IIIA/Tier 3	
Cooling system	Liquid	
Intake	Turbo compressor after-cooler	

## DIFFERENTIAL AXLES

Vehicle model	SAMSON 45.8	SAMSON 75.10
Type of axles	2 steering, with 4 planetary reduction gears	
Type of steering	4 wheels / transversal / 2 wheels	
Front axle	Rigid (at Leveling request)	
Rear axle	Swinging	
Service braking	Oil bath with servo brake on front and rear axle with double hydraulic system	
Parking braking	Negative actuation with electrical control	

## HYDRAULIC SYSTEM

Vehicle model	SAMSON 45.8	SAMSON 75.10
Hydraulic pump type	Gear pump for power steering and movements	
Hydraulic pump capacity	130 L/min (34,3 gal/min)	
Max. operating pressure	26,0 MPa (3771 psi)	
Distributor control	4in1 proportional Joystick	

## REFUELING

Vehicle model	SAMSON 45.8	SAMSON 75.10
Hydraulic system (total)	160,0 L (42,27 gal)	
Fuel tank	105,0 L (27,74 gal)	

## TRANSMISSION

Vehicle model	SAMSON 45.8	SAMSON 75.10
Transmission type	Hydrostatic with variable flow pump	
Hydraulic motor	Hydrostatic with continuous automatic adjustment	
Reversal	Electrohydraulic	
Inching	With inching pedal for controlled forward movement	
Transmission gearbox	Servocontrolled 2-speed	

## TIRES

Vehicle model	SAMSON 45.8	SAMSON 75.10
Standard tires	400/70x20"	18x22.5"

# DIMENSIONS

Vehicle 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 (116,1 in)	2950 mm (116,1 in)
D	860 mm (52,4 in)	1330 mm (52,4 in)
F	4000 mm (189,8 in)	4820 mm (189,8 in)
G	4940 mm (232,7 in)	5910 mm (232,7 in)
H	2460 mm (98 in)	2490 mm (98 in)
I	940 mm (37 in)	940 mm (37 in)
L	1910 mm (75,6 in)	1920 mm (75,6 in)
M	2310 mm (93,7 in)	2380 mm (93,7 in)
O	4080 mm (186,2 in)	4730 mm (186,2 in)
P	1260 mm (66,9 in)	1700 mm (66,9 in)
Q	3920 mm (173,2 in)	4400 mm (173,2 in)
T	100 mm (3,9 in)	100 mm (3,9 in)



