



# DIECI



**DIECI SAMSON 45.8**  
4500kg lifting capacity

**SAMSON**



## PERFORMANCE

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

## BOOM

Vehicle model	<b>SAMSON 45.8</b>
Lifting	13,1 s
Descent	8,9 s
Extension	6,8 s
Retraction	3,8 s
Forward swiveling	3,3 s
Reverse swiveling	2,0 s

## ENGINE

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

## TRANSMISSION

Vehicle model	<b>SAMSON 45.8</b>
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	<b>SAMSON 45.8</b>
Standard tires	400/70x20"

## STANDARD DEVICES AND EQUIPMENT

3-Year / 3000-Hour warranty | ROPS-FOPS approved operators cabin mounted on suspension silent-blocks | Sound proofing | Front and rear wiper with washer | Ventilation and heating | Openable rear glass | Door with electric window | Seat with safety belt | Adjustable steering wheel | Instrumentation: Load Indicator, Charging indicator, Tachometer, Water temperature gauge, Fuel level gauge, Engine water and oil temperature, LCD Display, Digital speedometer, Hour meter, Clock | Hazardous movements stopping in case of overload | Starting only with gear in Neutral | Driving only with driver on board | Automatic parking brake with the engine off | Reverse buzzer | Road ordinance lighting | Horn | Rear view mirror | SAHR negative actuation parking brake | Self cleaning air pre-filter

## 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)



