



DIECI



SAMSON



75.10

PERFORMANCE	
Vehicle model	SAMSON 75.10
Maximum capacity	7500 kg (16535 lb)
Maximum lifting height	9,65 m (31,7 ft)
Maximum horizontal extension	5,40 m (17,7 ft)
Fork swiveling angle	134°
Pull-out force	5700 daN (12814 lbf)
Towing force	7300 daN (16411 lbf)
Maximum climb angle	40%
Unladen weight	12100 kg (26676 lb)
Max speed (referred to wheels with maximum permitted diameter)	40 km/h (24,9 mph)

BOOM	
Vehicle model	SAMSON 75.10
Lifting	15,1 s
Descent	9,9 s
Extension	10,4 s
Retraction	4,1 s
Forward swiveling	4,6 s
Reverse swiveling	2,0 s

ENGINE	
Vehicle model	SAMSON 75.10
Brand	FPT
Nominal power	103 kW (138 HP)
@rpm	2200 rpm
Peak power	113 kW (152 HP)
@rpm	1900 rpm
Operation	4-stroke
Injection	Electronic, Common Rail
Number and arrangement of cylinders	4, Vertical in line
Displacement	4485 cm ³ (274 in ³)
Consumption	208 g/kWh (342,16 lb/Hp h)
@rpm	1900 rpm
Emission standard	Stage IIIB/Tier 4i
Exhaust gas treatment	SCR (AdBlue)
Cooling system	Liquid
Intake	16-valve turbo compressor, aftercooler

DIFFERENTIAL AXLES	
Vehicle model	SAMSON 75.10
Type of axles	2 steering, with 4 epicycloidal reduction gears
Type of steering	4 wheels / transversal / 2 wheels
Front axle	Rigid (Levelling upon 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

REFUELING	
Vehicle model	SAMSON 75.10
Hydraulic system (total)	160,0 L (42,27 gal)
Fuel tank	105,0 L (27,74 gal)
AdBlue tank	35,0 L (9,25 gal)

HYDRAULIC SYSTEM	
Vehicle model	SAMSON 75.10
Hydraulic pump type	Gear pump for power steering and movements
Hydraulic pump capacity	160 L/min (42,3 gal/min)
Max. operating pressure	26,0 MPa (3771 psi)
Distributor control	Proportional 4in1 Joystick

TRANSMISSION	
Vehicle model	SAMSON 75.10
Transmission type	Hydrostatic with variable displacement pump
Hydraulic motor	Hydrostatic with continuous automatic adjustment
Reversal	Electro-Hydraulic
Inching	With hydraulic pedal for controlled forward movement
Transmission gearbox	Servo-controlled 2-speed

TIRES	
Vehicle model	SAMSON 75.10
Standard tires	18x22.5"
Optional tires	-

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A	440 mm (17,3 in)
B	1480 mm (58,3 in)
C	2950 mm (116,1 in)
D	1330 mm (52,4 in)
F	4820 mm (189,8 in)
G	5910 mm (232,7 in)
H	2490 mm (98 in)
I	940 mm (37 in)
L	1920 mm (75,6 in)
M	2380 mm (93,7 in)
O	4730 mm (186,2 in)
P	1700 mm (66,9 in)
Q	4400 mm (173,2 in)
T	100 mm (3,9 in)



