



# **DIECI**



40.13

# **RUNNER**

PERFORMANCE	
Vehicle model	RUNNER 40.13
Maximum capacity	4000 kg (8818 lb)
Maximum lifting height	12,40 m (40,7 ft)
Maximum horizontal extension	8,75 m (28,7 ft)
Fork swiveling angle	134°
Pull-out force	7300 daN (16411 lbf)
Towing force	7300 daN (16411 lbf)
Maximum climb angle	40%
Unladen weight	10420 kg (22972 lb)
Max speed (referred to wheels with maximum permitted diameter)	40 km/h (24,9 mph)

BOOM	
Vehicle model	RUNNER 40.13
Lifting	10,0 s
Descent	5,9 s
Extension	18,6 s
Retraction	13,6 s
Forward swiveling	3,3 s
Reverse swiveling	2,1 s

ENGINE	
Vehicle model	RUNNER 40.13
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	RUNNER 40.13
Type of axles	2 steering, with 4 planetary 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

HYDRAULIC SYSTEM	
Vehicle model	RUNNER 40.13
Hydraulic pump type	Gear pump for power steering and movements
Hydraulic pump capacity	130 L/min (34,3 gal/min)
Max. operating pressure	25,0 MPa (3626 psi)
Distributor control	4in1 proportional Joystick

REFUELING	
Vehicle model	RUNNER 40.13
Hydraulic system (total)	168,0 L (44,38 gal)
Fuel tank	105,0 L (27,74 gal)

TRANSMISSION	
Vehicle model	RUNNER 40.13
Transmission type	Hydrostatic with variable flow pump
Hydraulic motor	Hydrostatic with continuous automatic adjustment
Reversal	Electro-Hydraulic
Inching	With hydraulic pedal for controlled forward movement
Transmission gearbox	Servocontrolled 2-speed

TIRES	
Vehicle model	RUNNER 40.13
Standard tires	400/70x20"
Optional tires	400/70x24"; 18x22.5"

DIMENSIONS

Vehicle model	RUNNER 40.13
A	440 mm (17,3 in)
B	2110 mm (83,1 in)
C	2600 mm (102,4 in)
D	880 mm (34,6 in)
F	4080 mm (160,6 in)
G	5590 mm (220,1 in)
H	2460 mm (96,9 in)
I	940 mm (37 in)
L	1910 mm (75,2 in)
M	2320 mm (91,3 in)
N	2480 mm (97,6 in)
O	4550 mm (179,1 in)
P	1260 mm (49,6 in)
Q	3920 mm (154,3 in)
S	-
T	110 mm (4,3 in)



