



# **DIECI**



40.13



# **RUNNER**

PERFORMANCE	
Machine model	RUNNER 40.13
Maximum capacity	4000 kg (8818 lb)
Maximum lifting height on wheels	12,20 m (40 ft)
Maximum horizontal extension on wheels	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	
Machine model	RUNNER 40.13
Lifting	10,0 s
Getting off the basket	5,9 s
Extension	18,6 s
Retraction	13,6 s
Forward swiveling	3,3 s
Reverse swiveling	2,1 s

ENGINE	
Machine model	RUNNER 40.13
Brand	Kubota
Nominal power	83,5 kW (112 HP)
@rpm	2600 rpm
Operation	4-stroke
Injection	Electronic, Common Rail
Number and arrangement of cylinders	4, Vertical in line
Displacement	3769 cm <sup>3</sup> (230 in <sup>3</sup> )
Consumption	231 g/kWh (380 lb/Hp h)
@rpm	2600 rpm
Emission standards	Stage IIIB/Tier 4i
Exhaust gas treatment	Particulate filter (DPF)
Cooling system	Liquid
Intake	Turbo compressor after-cooler

DIFFERENTIAL AXLES	
Machine model	RUNNER 40.13
Axles type	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	
Machine model	RUNNER 40.13
Hydraulic pump type	Gear pump for power steering and movements
Hydraulic pump capacity	170 L/min (44,9 gal/min)
Max. operating pressure	25,0 MPa (3626 psi)
Distributor control	4in1 proportional Joystick

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

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



