COMPACT EXCAVATOR

TB210R

TAKEUCHI

From World First to World Leader

Operating Weight: 1,150 kg

Product Features & Specifications

ENGINE

- EPA Tier 4 Emission Compliant
- Engine Driven Fan
- Double Element, Air Cleaner
- Automatic Fuel Bleed System
- Engine Preheat
- Extended Life Coolant
- High Capacity Fuel Filters

ELECTRICAL

- Multi-Informational Display
- Warning Lamps / Indicators
- 12 volt System with 40 amp Alternator
- 1 Working Light on Boom
- Hour Meter
- Travel Alarm (optional)

UNDERCARRIAGE AND FRAME

- Hydraulically Retractable Track Frame
- 2-Speed Travel
- Backfill Blade with Pin-on Extensions
- Protective Counterweight
- 180 mm Rubber Crawlers

OPERATOR'S STATION

- ROPS / TOPS Two Post Foldable Frame
- 2" Retractable Seat Belt

HYDRAULIC

- Hydraulic Joystick Controls
- Tandem Gear Pumps
- Auxiliary Hydraulic Circuit Plumbed to Arm
- Hydraulic Selector Valve (1-way / 2-way)
- Pilot Accumulator
- Hydraulic Tank with Fluid Level Sight Gauge
- Foot Pedal Control for Service Port 1
- Hydraulics with Detent for Hand Tools

WORKING EQUIPMENT

- Independent Mono Boom Swing
- Cushioned Boom Cylinder
- Top Mount Boom Cylinder
- 880 mm Arm
- Pattern Change Valve (ISO or G) (optional)

Halogen Work Lights

Wraparound Counterweight

TOUGH, POWERFUL, RELIABLE

Excellent Serviceability

Auxiliary Hydraulics

Foldable Foot Pedals

Two-Speed Travel

The TB210R features many upgrades that will enhance operator comfort, efficiency, and serviceability. To improve fine control and reduce fatigue, the TB210R now features pilot operated joystick controls that are low effort and responsive to operator input.

Additionally, an optional ISO/G pattern change valve has been added enabling the operator to choose their preferred operational pattern. The boom cylinder is now mounted on top of the boom for greater protection and improved routing of the hydraulic lines which are run through the boom and arm. A hydraulically retractable track frame and the addition of a foldable ROPS frame allow it to easily pass through a standard doorway.

To reduce the likelihood of rear swing impacts, the TB210R also features a short tail swing design. Despite its compact dimensions, service access is exceptional thanks to the tilt-up seat pedestal and access panels.

Spacious Operator's Station with New Pilot Operated Joysticks

OPERATING PERFORMANCE	
Operating Weight	1,150 kg
Bucket Capacity (Heaped)	0.022 m^3
Slew Speed	10.0 min-1
Travel Speed	
1st	2.0 km/h
2nd	3.7 km/h
Gradeability	15°
Ground Pressure	28.0 kPa
Maximum Bucket Breakout Force	11.2 kN
Maximum Arm Digging Force	6.4 kN
Traction Force	12.8 kN
Boom Swing Angle (Left/Right)	85° / 85°

ENGINE	
Model	Kubota / D722-E4B
Rated Output (ISO 14396)	8.8 kW/2,200 min-1
Maximum Torque	36.0 Nm/1,900 min-1
Displacement	719 ml
Alternator	12V - 0.48 kW
Battery (IEC 60095-1)	12V - 36 A/h

FLUID CAPACITY	
Engine Lubrication	2.8 L
Cooling System	4.0 L
Fuel Tank Capacity	12.0 L
Hydraulic Reservoir Capacity	9.0 L
Hydraulic System Capacity	15.0 L

HYDRAULIC SYSTEM	
P1, P2	Gear Pump
Flow Rate	11.1 L/min
Relief Pressure	18.2 MPa
P3	Gear Pump
Flow Rate	5.8 L/min
Relief Pressure	3.4 MPa
Service Port 1	
Flow Rate	22.0 L/min
Hydraulic Pressure	18.2 MPa

SAFETY and HEALTH	
Vibration Levels	
Hand / Arm	≦ 2.5 m/S^2
Body	≦ 0.5 m/S^2
Noise Level	
Sound Power Level	L_{WA} 91

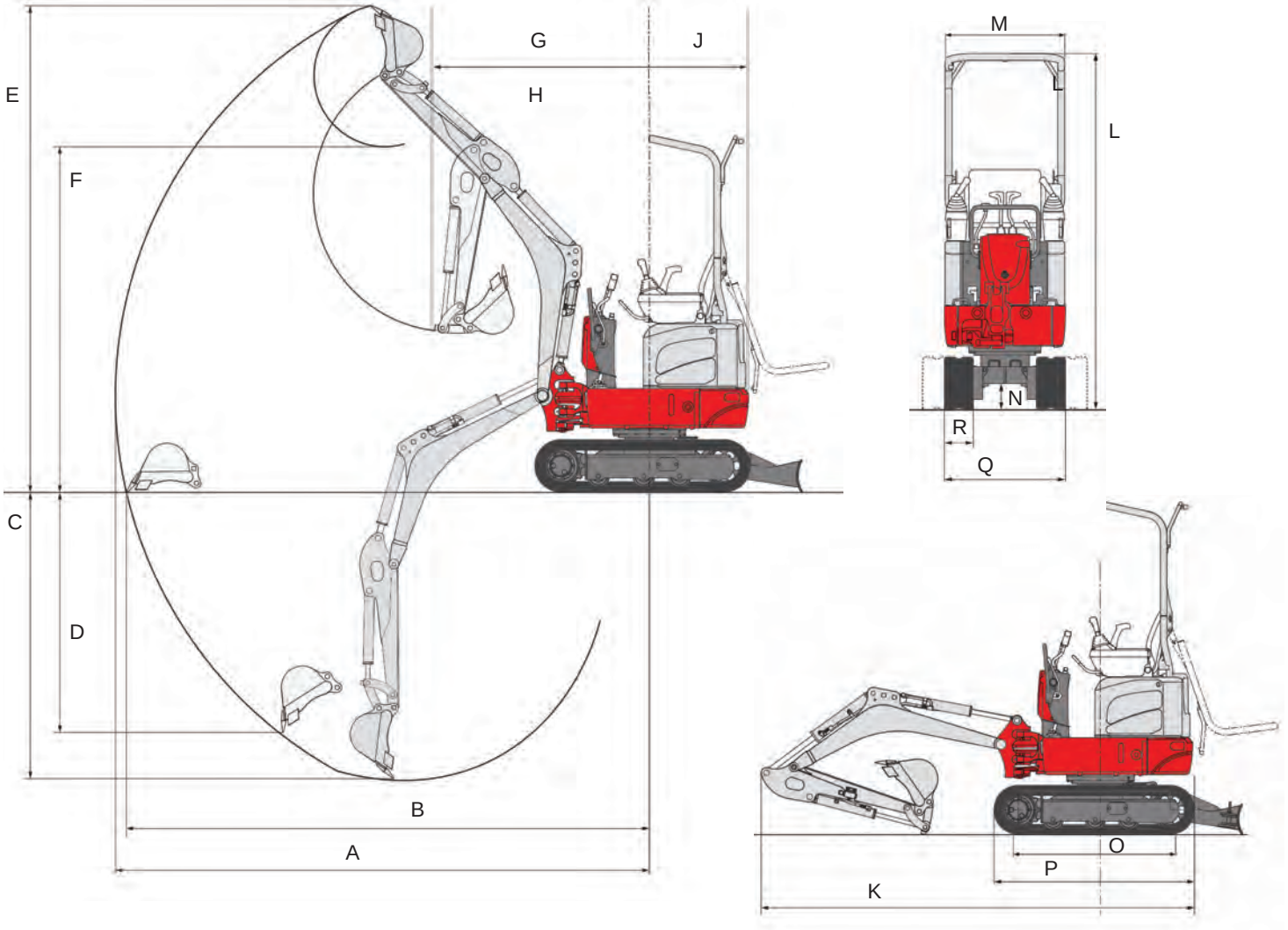
Dual side entry

Retractable Undercarriage

Minimal Tail Swing

Foldable ROPS

TB210R Compact Excavator



	MACHINE DIMENSIONS	880 mm Arm
A	Maximum Reach	3,285 mm
B	Maximum Reach at Ground Level	3,220 mm
C	Maximum Digging Depth	1,755 mm
D	Maximum Vertical Digging Depth	1,475 mm
E	Maximum Height of Cutting Edge	2,985 mm
F	Maximum Dumping Height	2,120 mm
G	Front Swing Radius	1,320 mm
H	Front Swing Radius with Boom Offset	980 mm
J	Slew Radius	610 mm
K	Overall Length	2,955 mm
K'	Overall Length (canopy folded)	3,415 mm
L	Overall Height	2,190 mm
L'	Overall Height (canopy folded)	1,475 mm
M	Upper Structure Overall Width	750 mm
N	Ground Clearance	160 mm
O	Crawler Base	1,005 mm
P	Crawler Overall Length	1,325 mm
Q	Crawler Overall Width - Crawler Retracted	750 mm
Q'	Crawler Overall Width - Crawler Extended	1,020 mm
R	Crawler Shoe Width	180 mm

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FORM: TB210R Compact Excavator Spec Sheet - Sept. 2017

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