HYDRAULIC EXCAVATOR

TB325R

TAKEUCHI

From World First to World Leader



Operating Weight: 2,440 kg

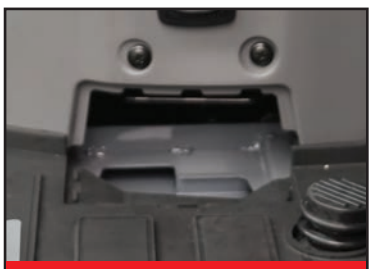
Product Specifications

OPERATING PERFORMANCE	
Operating Weight - Cab	2,440 kg
Operating Weight - Canopy	2,310 kg
Bucket Capacity (Heaped)	0.064 m^3
Slew Speed	8.9 min^{-1}
Travel Speed	
1st	2.5 km/h
2nd	4.3 km/h
Gradeability	25°
Ground Pressure - Cab	29.1 kPa
Ground Pressure - Canopy	27.6 kPa
Maximum Bucket Breakout Force	19.3 kN
Maximum Arm Digging Force (960 mm Arm)	13.2 kN
Maximum Arm Digging Force (1,210 mm Arm)	11.3 kN
Traction Force	27 kN
Boom Swing Angle (Left/Right)	70°/ 55°
ENGINE	
Model	Yanmar / 3TNV82A
Rated Output (ISO 14396)	16.5 kW/ 2,200 min^{-1}
Maximum Torque	85.1 Nm/ 1,320 min^{-1}
Displacement	1,330 ml
Alternator	12 V-0.48 kW
Battery (IEC 60095-1)	12 V - 58.0 A·h
FLUID CAPACITIES	
Engine Lubrication	3.6 L
Cooling System	4.7 L
Fuel Tank Capacity	31.2 L
Hydraulic Reservoir Capacity	25.0 L
Hydraulic System Capacity	48.0 L
SAFETY and HEALTH	
Vibration Levels	
Hand / Arm (ISO5349)	≦ 2.5 m/s^2
Body (ISO2631-1)	≦ 0.5 m/s^2
Noise Level	
Sound Power Level (ISO 6395)	LwA 93 dB

HYDRAULIC SYSTEM	
P1, P2	Variable Displacement Piston Pump
Flow Rate	25.3 L/min
Relief Pressure	21.0 MPa
P3	Gear Pump
Flow Rate	14.7 L/min
Relief Pressure	19.6 MPa
Service Port 1	
Flow Rate	40.0 L/min
Hydraulic Pressure	21.0 MPa
Service Port 2	
Flow Rate	14.7 L/min
Hydraulic Pressure	19.6 MPa
Service Port 3	
Hydraulic Pressure	19.6 MPa
Service Port 4	
Flow Rate	14.7 L/min
Hydraulic Pressure	19.6 MPa



Foldable Travel Pedal (optional)



Drain on the Floor



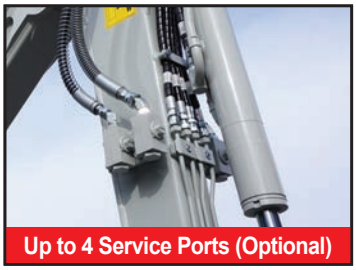
Wraparound Counterweight

TFM

TOUGH, POWERFUL, RELIABLE



Short Tail Swing


Up to 4 Service Ports (Optional)



3.5” Display


Hydraulic Joystick Controls

The TB325R is the newest addition to Takeuchi’s 300-Series excavator lineup. This new model features a short tail-swing design which decreases the amount of overhang from the counterweight resulting in improved maneuverability and increased productivity on confined job sites. Due to its compact size and light weight, the TB325R can be easily transported.

The TB325R features numerous upgrades and operator comfort features that now come standard on the new 300-Series excavator line-up. These features include a completely redesigned automotive styled interior with intuitive, hydraulic pilot controls for precise operation, a 3.5” display panel and a centralized rocker switch bank. The operator’s station size is increased from the previous model, the TB23R and it is very roomy in the short-tail industry. These new features provide the operator with unmatched comfort and visibility in a machine designed for optimum productivity, performance, and reliability.

Standard features on the TB325R include an automatic fuel bleeding system which eliminates the need to manually prime the fuel system, automatic engine deceleration which helps conserve fuel, drain on the floor provides easier clean out and a heavy-duty wraparound counterweight which helps protect vital machine components. Additional features available on the TB325R include an LED work light package, multiple auxiliary hydraulic circuits, and an optional Takeuchi Fleet Management (TFM) telematics system.



Spacious Operator’s Station with Easy to Reach Controls and Switches

Product Features

ENGINE

- EU Stage V Emission Compliant
- Engine Preheat Starting Aid
- Automatic Deceleration
- Double Element Air Cleaner (optional)
- Automatic Fuel Bleed System
- High Capacity Fuel Filters
- Engine Safety Start System

ELECTRICAL

- 3.5” Multi-informational Display
- 12 volt System with 40 amp Alternator
- Battery Switch
- 2 LED Canopy Lights
- 1 LED Working Light on Boom
- 1 LED Cab Front Light
- Additional LED Cab Front Light (optional)
- Beacon Socket and Lamp Switch (cab only)
- TSS (Takeuchi Security System; Immobilizer)* (optional)
- Hour Meter
- Travel Alarm (optional)

OPERATOR’S STATION

- ROPS / TOPS / OPG (Top Guard, Level I) Cab and Canopy
- Suspension Seat
- Cab with Heat, Defrost, Windshield Wiper and Washer, Skylight, AM / FM / Bluetooth Radio, 12v Power Outlet
- 2” Retractable Seat Belt
- Drain on the Floor
- Foldable Travel Pedal (optional)
- OPG Level I Front Guard (cab optional)

UNDERCARRIAGE AND FRAME

- Triple Flanged Track Rollers
- Heavy Duty Dozer Blade
- 2-Speed Travel with Automatic Shift
- Wraparound Protective Counterweight
- 250 mm Rubber Crawlers
- 250 mm Steel Crawlers (optional)
- Check Valve, Dozer Blade (optional)

TAKEUCHI FLEET MANAGEMENT

- TFM (Takeuchi Fleet Management; GPS)* (optional)
- Minimize Downtime
- Remote Diagnostics
- Utilization Tracking
- Proactive Maintenance
- Control Costs

HYDRAULIC

- Variable Displacement Piston Pump
- Hydraulic Joystick Controls
- Service Port 1 with Proportional Control
- Detent for Service Port 1
- Service Port 2 with Proportional Control (optional)
- Service Port 3 for Quick Hitch (optional)
- Service Port 4 with Proportional Control (optional)
- Service Port Plumbed to Arm
- Hydraulic Tank w/ Fluid Sight Gauge
- Hydraulic Selector Valve (1-way / 2-way)
- Pilot Accumulator (optional)
- Air Breather, Hydraulic Tank
- Auto Tank (The Tank Circuit is automatically opened (optional)
- Adjustable Hydraulic Flow for Service Port 1, 2 and 4

WORKING EQUIPMENT

- Mono Boom Swing
- Cushioned Boom and Swing Cylinders
- Boom Swing Stopper (optional)
- 960 mm Arm
- 1,210 mm Arm
- Arm Holding Valve (optional)
- Boom Holding Valve with Lift Alarm (optional)
- Pattern Change Valve (ISO or G) (optional)
- Lifting Point on Bucket Linkage (optional)



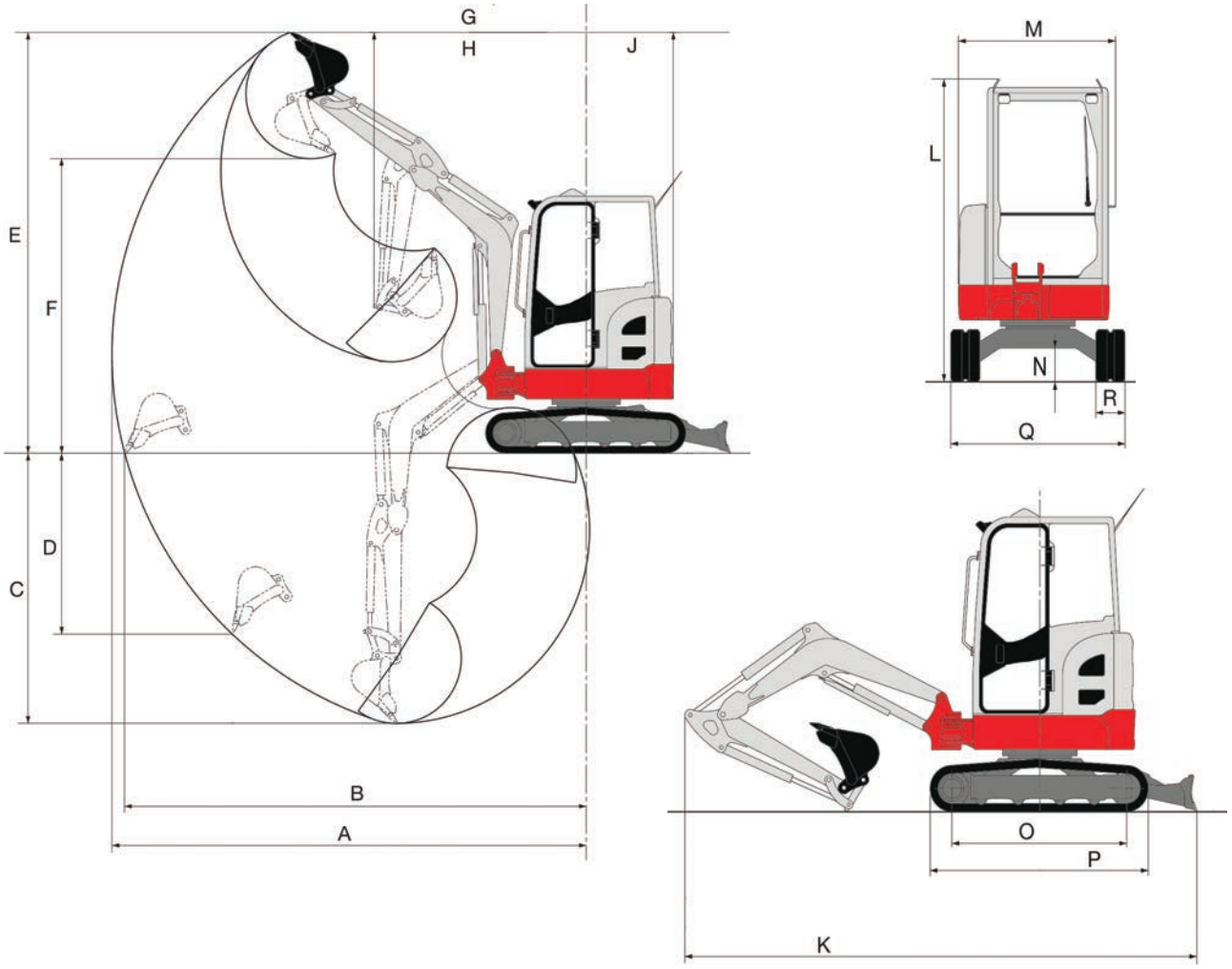
Large Lockable Service Hoods Provide Ground Level Access



Convenient Service and Maintenance Access

*Functions may not be available in all countries, so please consult your Takeuchi dealer for details.

TB325R Compact Excavator



MACHINE DIMENSIONS	960 mm Arm	1,210 mm Arm
A Maximum Reach	4,235 mm	4,475 mm
B Maximum Reach at Ground Level	4,105 mm	4,350 mm
C Maximum Digging Depth	2,290 mm	2,540 mm
D Maximum Vertical Digging Depth	1,800 mm	2,045 mm
E Maximum Height of Cutting Edge	3,815 mm	3,965 mm
F Maximum Dumping Height	2,625 mm	2,775 mm
G Front Swing Radius	1,960 mm	2,005 mm
H Front Swing Radius with Boom Offset	1,585 mm	1,625 mm
J Slew Radius	825 mm	
K Overall Length	3,985 mm	4,020 mm
L Overall Height (Cab / Canopy)	2,490 mm / 2,420 mm	
M Upper Structure Overall Width (Cab / Canopy)	1,355 mm / 1,300 mm	
N Ground Clearance	275 mm	
O Crawler Base	1,510 mm	
P Crawler Overall Length	1,890 mm	
Q Crawler Overall Width	1,500 mm	
R Crawler Shoe Width	250 mm	



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FORM: TB325R Compact Excavator Spec Sheet - Feb. 2021

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