

HYDRAULIC EXCAVATOR

TB235-2

takeuchi

From World First to World Leader



Product Features & Specifications

ENGINE

- U.S. EPA Final Tier 4
- Automatic Fuel Bleed System
- Dual Element Air Filter
- Automatic Idle

ELECTRICAL

- LCD Multi-Informational Display (Canopy)
- 5.7" Multi-Informational Display (Cab)
- Sealed Rocker Switches
- 12 volt System with 55 amp Alternator
- Halogen Work Lights: Two Forward Facing
- Engine Preheat
- Hour Meter
- Travel Alarm
- Horn

TAKEUCHI FLEET MANAGEMENT

- 2 Year Standard Service
- Minimize Downtime
- Remote Diagnostics
- Utilization Tracking
- Proactive Maintenance
- Control Costs

UNDERCARRIAGE AND FRAME

- Triple Flanged Track Rollers
- Automatic Load Sensing Two-Speed Travel
- Sloped Frame with Open Centers
- Large Wrap Around Counterweight
- 11.8" Rubber Tracks
- Heavy Duty Dozer Blade with Float
- Power Angle Blade with Float, and Bolt-on Cutting Edge (optional)

OPERATOR'S STATION

- ROPS / TOPS / OPG Four Post Canopy
- Deluxe High Back Suspension Seat
- Adjustable Arm Rests
- 2" Retractable Seat Belt
- 3" Retractable Seat Belt (optional)
- Cab with A/C, Heat, Defrost, Windshield Wiper and Washer, Skylight w/ Sunshade, AM / FM / MP3 Radio, 12v Power Outlet (optional)

HYDRAULIC & WORKING EQUIPMENT

- Variable Displacement, Open Center Hydraulics
- Cushioned Boom and Swing Cylinders
- Hydraulic Pilot Controls
- Proportional Auxiliary Controls with Detent
- Auxiliary Flow Adjustable from Operator's Seat
- Hydraulic Reservoir with Fluid Level Sight Gauge
- Primary Auxiliary Hydraulic Circuit Plumbed to Mid-Arm
- Multiple Attachment Presets
- Flow Selector Valve
- Pattern Change Valve (ISO or SAE)
- Pilot Accumulator
- Long Arm with Integrated Thumb Mount
- Main Boom Cylinder Guard
- Dual Pin Position Bucket (optional)
- Mechanical Bucket Quick Coupler (optional)
- Main Pin Hydraulic Thumb (optional)



Spacious Cabin



Automotive Styled Interior

TOUGH, POWERFUL, RELIABLE



Wraparound Counterweight



All Steel Construction



Cushioned Cylinders



Triple Flanged Track Rollers

Ease of transport and an excellent working range make the TB235-2 a great choice for owner operators, rental companies, utilities, and general contractors. The TB235-2 has all steel construction, a spacious operator station with available cab with air conditioner, an automotive styled interior, outstanding multi-function operation, pattern change valve and cushioned boom and swing cylinders for enhanced performance comfort, and durability. The TB235-2 has a U.S. EPA Final Tier

compliant engine that has no DPF for low maintenance operation. Additional features include an automatic fuel bleed system, dual element air filters, large wrap around counterweight, and exceptional serviceability due to the engine and side hood that open overhead for greater convenience. The operator is protected by a four post ROPS/TOPS/OPG Level 1 canopy or available cab for greater peace of mind and comfort.



Lockable service hoods lift overhead for outstanding maintenance access.

OPERATING PERFORMANCE

Operating Weight - Canopy	7,418 lb	(3,365 kg)
Operating Weight - Cab	7,639 lb	(3,465 kg)
Maximum Bucket Breakout Force	9,127 lb	(4,140 kg)
Maximum Arm Digging Force	3,889 lb	(1,764 kg)
Arm Length	4 ft 9.0 in	(1,445 mm)
Slew Speed	9.3 rpm	
Traction Force	9,112 lb	(4,130 kg)
Ground Pressure - Canopy	4.4 psi	(30.4 kPa)
Ground Pressure - Cab	4.6 psi	(31.4 kPa)
Max Travel Speed		
Low Range	1.7 mph	(2.8 km/h)
High Range	2.6 mph	(4.2 km/h)

HYDRAULIC SYSTEM

Total Hydraulic Flow	28.6 gpm	(108.4 Lpm)
Auxiliary Flow - Primary Circuit	15.8 gpm	(60.0 Lpm)
Hydraulic System Pressure	3,553 psi	(24.5 MPa)

ENGINE

Make / Model	Yanmar / 3TNV88F	
Displacement	100.0 cu in	(1.6 L)
Horsepower @ 2,400 rpm	24.4 hp	(18.2 kW)
Maximum Torque @ 1,440 rpm	68 ft-lb	(92.2 Nm)

FLUID CAPACITIES

Engine Lubrication	5.0 qt	(4.7 L)
Cooling System	4.2 qt	(4.0 L)
Fuel Tank Capacity	12.2 gal	(46.0 L)
Fuel Consumption (65% of Full Load)	.90 gal/hr	(3.4 L/hr)
Hydraulic Reservoir Capacity	9.2 gal	(35.0 L)
Hydraulic System Capacity	18.0 gal	(68.0 L)



Multi-Informational Display



Pilot Controls



Deluxe High Back Suspension Seat



Electronic Throttle Control

TB235-2 Lifting Capacities at Ground Level*

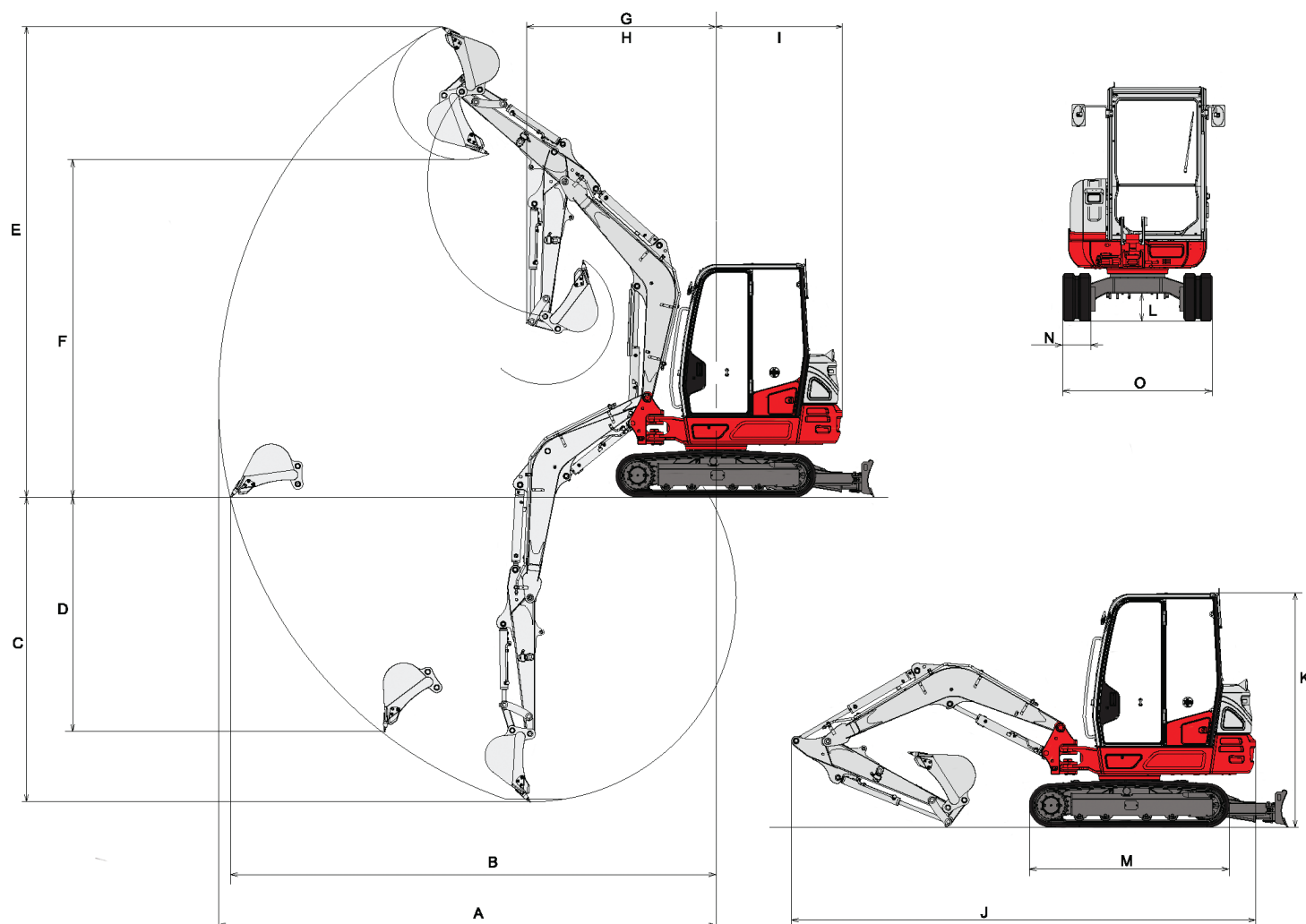
Lift Point Radius from Rotation Axis		9 ft (2,743 mm)		12 ft (3,657 mm)	
	Lifting Capacities Over Front, Blade Down	3,081 lb	(1,398 kg)	2,079 lb	(943 kg)
	Lifting Capacities Over Side	1,690 lb	(767 kg)	1,134 lb	(514 kg)

* Ratings based on ISO10567 and do not exceed 87% of hydraulic lift or 75% of tipping load.

ATTACHMENTS

Takeuchi now offers attachments for all of your Takeuchi equipment. See your authorized Takeuchi dealer for additional information and attachment options.

TB235-2 Compact Excavator



MACHINE DIMENSIONS

A	Maximum Reach	17 ft 2.9 in	(5,255 mm)
B	Maximum Reach at Ground Level	16 ft 10.0 in	(5,130 mm)
C	Maximum Digging Depth	10 ft 7.8 in	(3,245 mm)
D	Maximum Vertical Digging Depth	8 ft 2.2 in	(2,495 mm)
E	Maximum Dig Height	16 ft 5.2 in	(5,010 mm)
F	Maximum Dumping Height	11 ft 9.5 in	(3,595 mm)
G	Front Swing Radius	6 ft 6.9 in	(2,005 mm)
H	Front Swing Radius with Boom Offset	5 ft 5.4 in	(1,660 mm)
I	Tail Swing (Slew) Radius	4 ft 4.4 in	(1,330 mm)
J	Transport Length	16 ft 0.9 in	(4,900 mm)
K	Transport Height	8 ft 2.8 in	(2,510 mm)
L	Ground Clearance	11.6 in	(295 mm)
M	Undercarriage Length	6 ft 11.1 in	(2,110 mm)
N	Track Width (Rubber)	11.8 in	(300 mm)
O	Undercarriage Width	5 ft 2.2 in	(1,580 mm)



2 YEAR
2,000 HOUR
FULL MACHINE
WARRANTY



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In accordance with our established policy of continued improvement, specifications and
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standard equipment.
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