

# TAKEUCHI

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## OPERATING PERFORMANCE

Operating Weight	6,107 lbs (2,770 kg)
Maximum Digging Depth	9 ft 5 in (2,875 mm)
Maximum Dump Height	10 ft 5 in (3,190 mm)
Maximum Reach	15 ft 10 in (4,850 mm)
Maximum Bucket Digging Force	6,471 lbs (2,935 kg)
Maximum Arm Digging Force	2,900 lbs (1,325 kg)
Arm Length	4 ft 9 in (1,445 mm)
Slew Speed	10 rpm
Traction Force	6,334 lbs (2,873 kg)

## ENGINE

Make / Model	Yanmar / 3TNV82
Tier Rating	EPA Tier 4
Cylinders / Displacement	3 / 81 cu in (1.3 L)
Horsepower Gross (SAE J1995)	24.3 hp (18.1 Kw)
Horsepower Net (SAE 1349)	23.5 hp (17.5 Kw)
Rated Engine Speed	2,400 rpm
Maximum Torque	63 ft-lb @ 1,440 rpm (85.3 Nm)
Engine Lubrication	3.8 qt (3.6 L)
Cooling System	4.4 qt (4.2 L)
Fuel Tank Capacity	14.0 gal (53.0 L)
Fuel Consumption (65% of full load)	0.8 gal / hr (3.0 L / hr)
Electrical System	12 volts / 40 amps

## UNDERCARRIAGE

Traction Drive Type	Planetary Reduction and Auto Shift Down
Parking Brake	Spring Applied, Hydraulically Released, Multiple Wet Friction Disc
Track Roller Type	Permanently Sealed, Triple Flanged Rollers
Track Rollers (per side)	3 per side
Track Width	11.8 in (300 mm)
Track Ground Contact Length	4 ft 8.7 in (1,440 mm)
Ground Pressure	4.1 psi (28.3 kPa)
Maximum Travel Speed	
Low Range	1.7 mph (2.8 km / hr)
High Range	3.0 mph (4.9 km / hr)

## HYDRAULIC

Pump Type	Variable Displacement Piston Pumps with Two Gear Pumps
Total Hydraulic Flow	24.2 gal / min (91.6 L / min)
Auxiliary Hydraulic Flow	13.3 gal / min (50.6 L / min)
System Operating Pressure	3,045 psi (21 MPa)
Hydraulic Reservoir Capacity	9.2 gal (35.0 L)
Hydraulic System Capacity	14.8 gal (56.0 L)

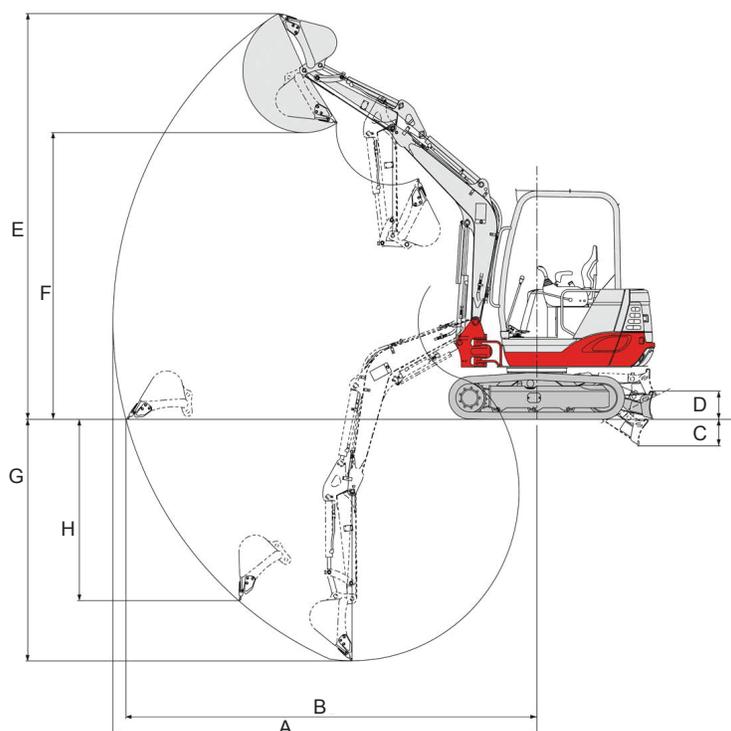
## LIFT CAPACITIES

	9 ft 10 in (3.0 m) Radius	
	Over Front, Blade Down	Over Side
+6.6 ft (2.0 m)	1,163 lbs (528 kg)	1,163 lbs (528 kg)
Ground Level	1,731 lbs (785 kg)	1,169 lbs (530 kg)
-3.3 ft (1.0 m)	1,599 lbs (725 kg)	1,161 lbs (527 kg)



## WORKING DIMENSIONS

A. Maximum Reach	15 ft 10 in (4,850 mm)
B. Maximum Reach Ground Level	15 ft 6 in (4,720 mm)
C. Blade Maximum Lower	11.1 in (280 mm)
D. Blade Maximum Lift	9.9 in (250 mm)
E. Maximum Dig Height	14 ft 7 in (4,450 mm)
F. Maximum Dump Height	10 ft 5 in (3,190 mm)
G. Maximum Dig Depth	9 ft 5 in (2,875 mm)
H. Maximum Vertical Dig Depth	7 ft 2 in (2,190 mm)



## Product Features

### ENGINE

- ◆ EPA Tier 4 Compliant
- ◆ Automatic Fuel Bleed System
- ◆ Extended Life Coolant
- ◆ Dual Element Air Cleaner
- ◆ Automatic Idle

### ELECTRICAL

- ◆ Coolant Temperature and Fuel Level Gauge
- ◆ Audible and/or Visual Indicators for Battery Voltage, Engine Oil Pressure, Engine Coolant Temperature, Air Filter Restriction Indicator, High Speed Travel, Engine Preheat, One-Touch Idle
- ◆ 12 volt System with 40 amp Alternator
- ◆ Work Lights: Boom, Side Cover
- ◆ Engine Preheat
- ◆ Hour Meter
- ◆ Travel Alarm

### UNDERCARRIAGE AND FRAME

- ◆ Triple Flanged Track Rollers
- ◆ Sloped Frame with Open Centers
- ◆ 2-Speed Travel with Automatic Shift
- ◆ Heavy Duty Dozer Blade with Float
- ◆ Cast Iron Wrap Around Protective Counterweight
- ◆ 11.8 in Rubber Tracks
- Power Angle Blade with Float

### HYDRAULIC

- ◆ Cushioned Boom and Swing Cylinders
- ◆ Precise and Responsive Pilot Controls
- ◆ Proportional Slide Switch Control for Auxiliary Circuit
- ◆ Auxiliary Hydraulic Circuit Plumbed to Arm
- ◆ Selectable One-Way and Two-Way Auxiliary Operation
- ◆ Auxiliary Detent (Primary Circuit)
- ◆ Pilot Accumulator
- ◆ Large Hydraulic Reservoir with Fluid Level Sight Gauge

### WORKING EQUIPMENT

- ◆ Main Boom Cylinder Guard
- ◆ Long Arm with Integrated Thumb Mount
- Dual Pin Position Bucket
- Mechanical Bucket Quick Coupler
- Main Pin Hydraulic Thumb

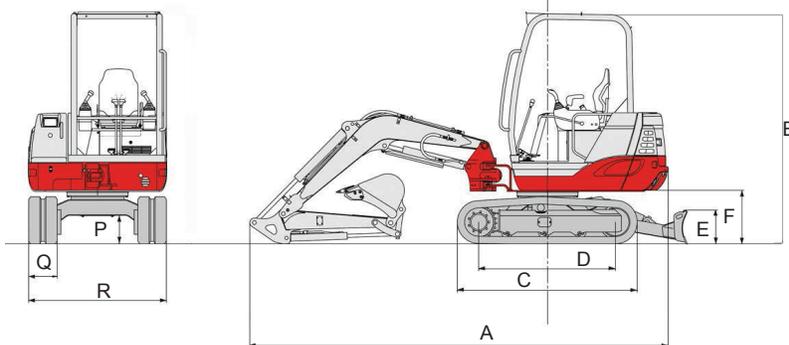
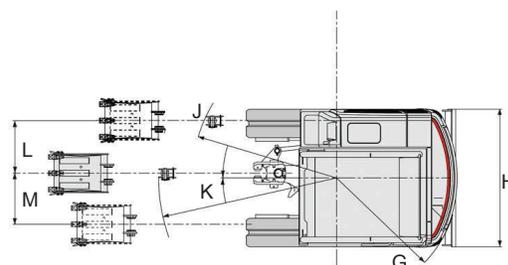
### OPERATOR'S STATION

- ◆ ROPS / TOPS / FOPS Four Post Canopy
- ◆ Tilt-up Operator Station
- ◆ Six-Way Adjustable Suspension Seat
- ◆ Adjustable Arm Rests
- ◆ Quick Change Control Pattern (ISO or SAE)
- ◆ 2 in Retractable Seat Belt
- 3 in Seat Belt

◆ - Standard    ○ - Optional

### MACHINE DIMENSIONS

A. Transport Length	14 ft 8 in (4,460 mm)
B. Transport Height	8 ft 0 in (2,445 mm)
C. Undercarriage Length	6 ft 2.6 in (1,895 mm)
D. Track Ground Contact Length	4 ft 8.7 in (1,440 mm)
E. Dozer Blade Height	11.8 in (300 mm)
F. Counter Weight Ground Clearance	1 ft 10.2 in (565 mm)
G. Tail Swing (Slew) Radius	4 ft 3 in (1,285 mm)
H. Dozer Blade Width	4 ft 9 in (1,450 mm)
J. Minimum Front Radius (Offset)	4 ft 10.8 in (1,495 mm)
K. Minimum Front Radius (Straight)	6 ft 2.2 in (1,885 mm)
L. Offset Working Distance (Right)	1 ft 10.0 in (560 mm) @ 60°
M. Offset Working Distance (Left)	1 ft 9.2 in (540 mm) @ 80°
P. Ground Clearance	11.8 in (300 mm)
Q. Track Width	11.8 in (300 mm)
R. Undercarriage Width	4 ft 9 in (1,495 mm)



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