

# TAKEUCHI

Those in the know, know Takeuchi

## OPERATING PERFORMANCE

Operating Weight	Canopy 8,289 lbs (3,760 kg)
Standard machine with bucket and rubber tracks	Cab 8,598 lbs (3,900 kg)
Maximum Digging Depth	11 ft 6 in (3,505 mm)
Maximum Dump Height	12 ft 6.7 in (3,828 mm)
Maximum Reach	18 ft 5 in (5,612 mm)
Maximum Bucket Breakout Force	9,959 lbs (4,517 kg)
Maximum Arm Digging Force	4,114 lbs (1,866 kg)
Arm Length	5 ft 3 in (1,600 mm)
Slew Speed	10.1 rpm
Traction Force	9,533 lbs (4,324 kg)

## ENGINE

Make / Model	Yanmar / 4TNV88C
Tier Rating	EPA Tier 4
Cylinders / Displacement	4 / 133.6 cu in (2.2 L)
Horsepower Gross (SAE J1995)	35.8 hp (26.7 Kw)
Horsepower Net (SAE 1349)	33.9 hp (25.3 Kw)
Rated Engine Speed	2,200 rpm
Maximum Torque	102.6 ft-lb @ 1,430 rpm (139.1 Nm)
Engine Lubrication	5.0 qt (4.7.0 L)
Cooling System	9.2 qt (8.7 L)
Fuel Tank Capacity	14.0 gal (53.0 L)
Fuel Consumption (65% of full load)	1.2 gal / hr (4.8 L / hr)
Electrical System	12 volts / 40 amps

## UNDERCARRIAGE

Traction Drive Type	Hydrostatic Drive System with Auto Shift
Parking Brake	Spring Applied, Hydraulically Released
Track Roller Type	Permanently Sealed, Triple Flanged
Track Rollers	4 per side
Track Width	13.8 in (350 mm)
Track Ground Contact Length	5 ft 5.1 in (1,653 mm)
Ground Pressure	Canopy 3.9 psi (26.2 kPa) Cab 4.0 psi (27.6 kPa)
Maximum Travel Speed	
Low Range	1.7 mph (2.7 km / hr)
High Range	3.0 mph (4.9 km / hr)

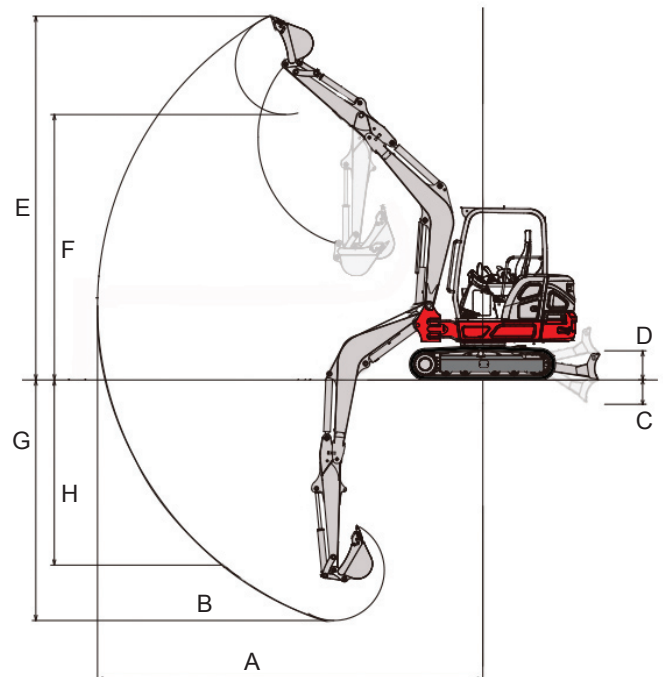
## HYDRAULIC

Pump Type	Twin Variable Displacement Piston Pumps with Two Gear Pumps
Total Hydraulic Flow	30.6 gal / min (115.8 L / min)
Auxiliary Hydraulic Flow	17.1 gal / min (64.9 L / min)
System Operating Pressure	3,481 psi (24.0 mpa)
Hydraulic Reservoir Capacity	9.2 gal (35.0 L)
Hydraulic System Capacity	17.7 gal (67.0 L)



## WORKING DIMENSIONS

A. Maximum Reach	18 ft 5 in (5,612 mm)
B. Maximum Reach Ground Level	18 ft 0 in (5,500 mm)
C. Blade Max Lower	1 ft 3.4 in (391 mm)
D. Blade Max Lift	1 ft 3.9 in (403 mm)
E. Maximum Dig Height	17 ft 2.5 in (5,244 mm)
F. Maximum Dump Height	12 ft 6.7 in (3,828 mm)
G. Maximum Dig Depth	11 ft 4.3 in (3,462 mm)
H. Maximum Vertical Dig Depth	8 ft 9.2 in (2,673 mm)



## Product Features

### ENGINE

- ◆ EPA Tier 4 Compliant with DPF
- ◆ Automatic Fuel Bleed System
- ◆ Extended Life Coolant
- ◆ Dual Element Air Cleaner
- ◆ Automatic Idle
- ◆ Engine Modes Include: Power, Eco, and High Altitude
- ◆ Engine Preheat Starting Aid
- ◆ High Capacity Radiator
- ◆ High Capacity Fuel Filters

### ELECTRICAL

- ◆ Multi-Information Display Includes Digital Gauges for Coolant Temperature, Fuel Level, Engine Speed, PM (Particulate Matter) Accumulation and Lift Load Percentage
- ◆ Audible and/or Visual Alerts for Battery Level, Engine Oil Pressure, Fuel / Water Sensor, High Engine Coolant Temperature, Engine Air Filter Restriction, Fuel Filter Restriction, Low Fuel Level, Automatic Idle, Regeneration Status, Engine Preheat, Travel Speed Indicator, Work Light Sensor
- ◆ 12 volt System with 40 amp Alternator
- ◆ Multi-Function Switch Bank
- ◆ Work Lights: Boom and Side Halogen
- ◆ Travel Alarm
- ◆ Horn

### UNDERCARRIAGE AND FRAME

- ◆ Triple Flanged Track Rollers
- ◆ 2-Speed Travel with Automatic Shift
- ◆ High Torque Planetary Final Drive
- ◆ Heavy Duty Dozer Blade with Float
- ◆ Large Wrap Around Counterweight
- ◆ 13.8" Rubber or Steel Tracks
- Power Angle Blade, Angles 25° Right and Left

### HYDRAULIC

- ◆ Variable Displacement, Pressure Compensating Pump
- ◆ Cushioned Boom, Arm, and Swing Cylinders
- ◆ Precise and Responsive Pilot Controls with Proportional Slide Switch for Auxiliary Circuit
- ◆ Large Hydraulic Reservoir with Fluid Level Sight Gauge
- ◆ Primary Auxiliary Hydraulic Circuit Plumbed to Arm
- ◆ Selectable One-Way and Two-Way Auxiliary Operation
- ◆ Auxiliary Detent
- ◆ Primary Auxiliary Circuit Features Multiple Attachment Settings and In Cab Flow Adjustments
- ◆ Pilot Accumulator
- ◆ High Capacity Hydraulic Oil Cooler

### WORKING EQUIPMENT

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

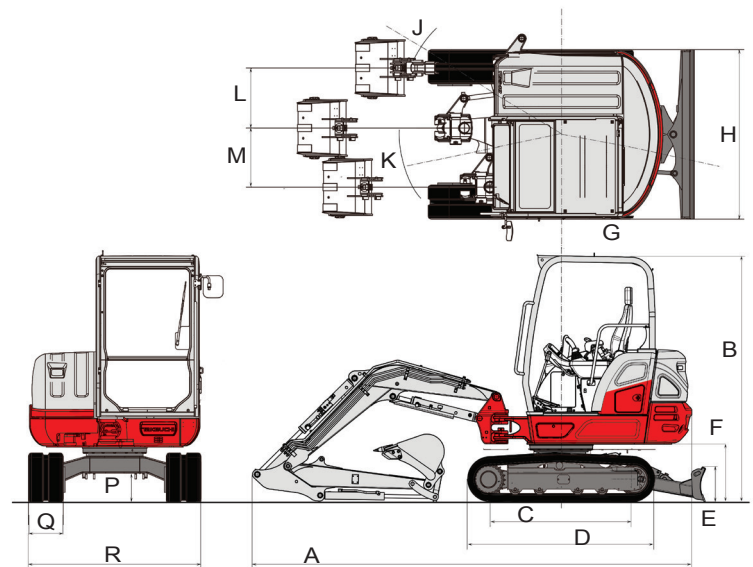
◆ - Standard    ○ - Optional

### OPERATOR'S STATION

- ◆ ROPS / TOPS / FOPS Four Post Canopy
- ◆ Deluxe High Back Suspension Seat with Adjustable Arm Rests
- ◆ Quick Change Control Pattern (ISO or SAE)
- ◆ Proportional Slide Switch for Auxiliary Hydraulics
- ◆ 2" Retractable Seat Belt
- 3" Seat Belt
- Cab with Air Conditioner, Heat, Defrost, Windshield Wiper and Washer, AM / FM / MP3 Radio

### MACHINE DIMENSIONS

A. Transport Length	16 ft 6 in (5,020 mm)
B. Transport Height	8 ft 0 in (2,445 mm)
C. Undercarriage Length	6 ft 11 in (2,110 mm)
D. Track Ground Contact Length	5 ft 5 in (1,665 mm)
E. Dozer Blade Height	1 ft 3.5 in (395 mm)
F. Counter Weight Ground Clearance	1 ft 10.4 in (570 mm)
G. Tail Swing (Slew) Radius	4 ft 5.1 in (1,350 mm)
H. Dozer Blade Width	5 ft 8.5 in (1,740 mm)
J. Min. Front Radius (Offset)	5 ft 4 in (1,626 mm)
K. Min. Front Radius (Straight)	6 ft 8.2 in (2,037 mm)
L. Offset Working Distance (Right)	2 ft 2 in (616 mm) @ 58°
M. Offset Working Distance (Left)	2 ft 0 in (613 mm) @ 76°
P. Ground Clearance	11.6 in (295 mm)
Q. Track Width	13.8 in (350 mm)
R. Undercarriage Width	5 ft 8.5 in (1,740 mm)



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