

OPERATING PERFORMANCE

Operating Weight

Cab Rubber 34,116 lbs (15,475 kg)

Cab Steel 34,700 lbs (15,740 kg)

Maximum Digging Depth 18 ft 0 in (5,485 mm)

Maximum Dump Height 20 ft 4 in (6,220 mm)

Maximum Reach 28 ft 9 in (8,755 mm)

Maximum Bucket Breakout Force 22,188 lbs (10,064 kg)

Maximum Arm Digging Force 12,634 lbs (5,730 kg)

Arm Length 8 ft 5 in (2,750 mm)

Slew Speed 13.4 rpm

Traction Force 32,555 lbs (14,767 kg)

ENGINE

Make / Model Isuzu / AM-4JJ1X Turbo-Intercooled

Tier Rating EPA Interim Tier 4

Cylinders / Displacement 4 / 183 cu in (3.0 L)

Horsepower 103.3 hp (77.0 kW)

Rated Engine Speed 2,000 rpm

Maximum Torque 284 ft-lb @ 1,600 rpm (385.0 Nm)

Engine Lubrication 18.0 qt (17.0 L)

Cooling System 19.5 qt (18.5 L)

Fuel Tank Capacity 61.5 gal (233 L)

Fuel Consumption (65% of full load) 3.32 gal / hr (12.6 L / hr)

Electrical System 24 volts / 50 amps

UNDERCARRIAGE

Traction Drive Type Planetary Drive Reduction and Auto Shift Down

Parking Brake Spring Applied, Hydraulically Released

Track Roller Type Permanently Sealed, Triple Flanged Rollers

Track Rollers 7 per side

Track Width Rubber 20 in (500 mm)

Steel 24 in (600 mm)

Track Ground Contact Length 9 ft 6 in (2,900 mm)

Ground Pressure Rubber 6.57 psi (45.3 kPa)

Steel 6.80 psi (46.9 kPa)

Maximum Travel Speed

Low Range 1.9 mph (3.0 km / hr)

High Range 3.3 mph (5.3 km / hr)

HYDRAULIC

Pump Type Twin Variable Displacement Piston Pumps with Two Gear Pumps

Total Hydraulic Flow 75.3 gal / min (285.0 L / min)

Primary Auxiliary Hydraulic Flow 59 gal / min (224.0 L / min)

Secondary Auxiliary Hydraulic Flow 14.5 gal / min (55.0 L / min)

System Operating Pressure 4,977 psi (34.3 MPa)

Hydraulic Reservoir Capacity 25.1 gal (95.0 L)

Hydraulic System Capacity 56.8 gal (215.0 L)



WORKING DIMENSIONS

A. Maximum Reach 28 ft 8.8 in (8,755 mm)

B. Maximum Reach Ground Level 28 ft 1.0 in (8,570 mm)

C. Blade Maximum Lower 1 ft 8.0 in (510 mm)

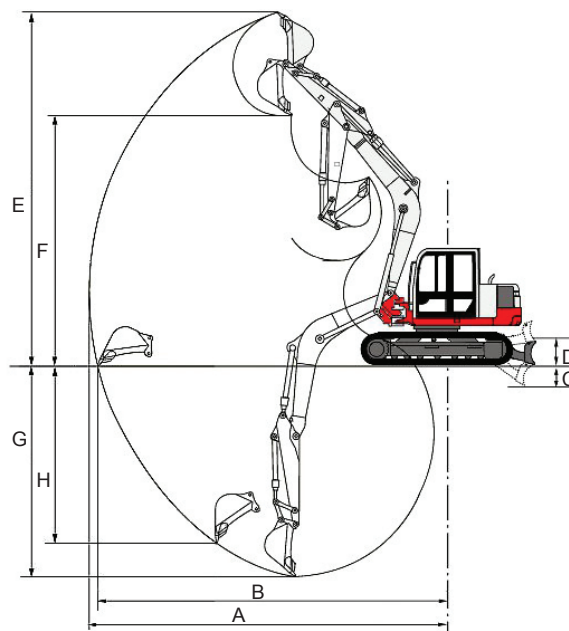
D. Blade Maximum Lift 1 ft 9.0 in (540 mm)

E. Maximum Dig Height 28 ft 5.0 in (8,670 mm)

F. Maximum Dump Height 20 ft 4.9 in (6,220 mm)

G. Maximum Dig Depth 18 ft 0 in (5,485 mm)

H. Maximum Vertical Dig Depth 15 ft 2.0 in (4,620 mm)



Product Features

ENGINE

- ◆ EPA Interim Tier 4 Compliant
- ◆ Turbocharged with Intercooler
- ◆ High Pressure Common Rail Fuel Injection
- ◆ DPF / DPD Exhaust Aftertreatment
- ◆ Automatic Idle
- ◆ Engine Modes Include: Power, Eco, High Altitude
- ◆ Automatic Fuel Bleed System
- ◆ High Capacity Fuel Filters
- ◆ Dual Element Air Filter
- ◆ Extended Life Coolant
- ◆ Large Capacity Radiator
- ◆ Automatic Preheat

ELECTRICAL

- ◆ Deluxe Instrumentation with: Hour Meter, Fuel Gauge, Coolant Temperature Gauge, Audible and Visual Indicators for Engine Oil Pressure, Coolant Temperature, Air Filter Restriction, Charging System Voltage
- ◆ Ergonomic Rocker Switches Controlling: Lights, Auxiliary Detent, Lift Alarm, Beacon Control, Auxiliary Mode Selection, Wiper, Eco Mode, Auto Idle
- ◆ 24 volts / 50 amp Alternator
- ◆ Work Lights: Front and Side Halogen
- ◆ Travel Alarm
- ◆ Horn
- ◆ 12 volt Outlet

UNDERCARRIAGE AND FRAME

- ◆ Triple Flanged Track Rollers
- ◆ Two-Speed Travel with Automatic Shift
- ◆ High Torque Planetary Final Drive
- ◆ Heavy Duty Dozer Blade with Float
- ◆ Large Wrap Around Counterweight
- ◆ 20" Rubber Tracks
- 24" Steel Tracks
- 20" Hybrid Road Liner Style Tracks

HYDRAULIC

- ◆ Cushioned Boom and Arm Cylinders
- ◆ Large Capacity Hydraulic Oil Cooler
- ◆ Precise and Responsive Pilot Controls with Proportional Slide Switches for Auxiliary Circuits
- ◆ Primary, Secondary, and Third Auxiliary Hydraulic Circuit Plumbed to Arm
- ◆ High Flow Primary Auxiliary Circuit with Adjustable Flow
- ◆ Primary Auxiliary Circuit Detent Mode
- ◆ Primary Auxiliary Circuit with Selectable One-Way and Two-Way Operation
- ◆ Secondary Auxiliary Circuit with Adjustable Flow
- ◆ High Pressure Third Auxiliary Circuit
- ◆ Pilot Accumulator

◆ - Standard ○ - Optional

WORKING EQUIPMENT

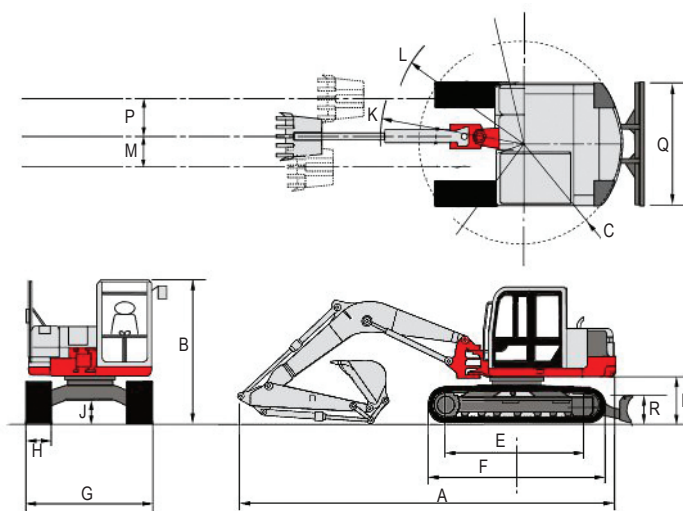
- ◆ Dual Boom Cylinders
- ◆ Heavy Duty Pivot Boom Swing Frame
- ◆ Long Arm
- ◆ Arm and Boom Holding Valve with Lift Alarm
- Pin Grabber Bucket Coupler
- Main Pin Hydraulic Thumb

OPERATOR'S STATION

- ◆ Cab with Certified ROPS / TOPS / FOPS Level 2 Protection
- ◆ Deluxe High Back Cloth Air Suspension Seat
- ◆ Quick Change Control Pattern (ISO or SAE)
- ◆ AM / FM / MP3 Radio
- ◆ Automatic Climate Control System for A/C, Heat and Defrost
- ◆ 2" Retractable Seat Belt
- Front Window Guard
- 3" Retractable Seat Belt

MACHINE DIMENSIONS

A. Transport Length	25 ft 8.0 in (7,815 mm)
B. Transport Height	9 ft 3.0 in (2,815 mm)
C. Tail Swing (Slew) Radius	6 ft 9.0 in (2,057 mm)
D. Counterweight Ground Clearance	3 ft 0 in (925 mm)
E. Track Ground Contact Length	9 ft 6.0 in (2,900 mm)
F. Undercarriage Length	11 ft 10.0 in (3,610 mm)
G. Overall Width (Rubber)	8 ft 2.0 in (2,490 mm)
G. Overall Width (Steel)	8 ft 6.0 in (2,590 mm)
H. Track Width (Rubber)	20.0 in (500 mm)
H. Track Width (Steel)	24.0 in (600 mm)
J. Ground Clearance	1 ft 6.7 in (465 mm)
K. Minimum Front Radius (Straight)	9 ft 11.0 in (3,015 mm)
L. Minimum Front Radius (Offset)	7 ft 10.0 in (2,405 mm)
M. Offset Working Distance (Left)	2 ft 0 in (625 mm) @ 77°
P. Offset Working Distance (Right)	2 ft 11.9 in (910 mm) @ 53°
Q. Dozer Blade Width	8 ft 6.0 in (2,600 mm)
R. Dozer Blade Height	21.6 in (550 mm)



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