

TAKEUCHI TB070

COMPACT EXCAVATOR



MACHINE SPECIFICATIONS

TB070

DIMENSIONS & WEIGHT

Operating Weight (lbs.)	16050
Length (transport)	21'8"
Width	7'6"
Height	8'5"
Ground Clearance	14.2"
Min. Front Swing Radius (80° boom swing)	5'4"
Tail Swing Radius	5'9"
Dozer Blade (w / h)	7'5" / 19.7"

ENGINE

Make / Model	Nissan / BD3004
Horsepower / RPM (SAE 1349 gross)	56 / 2300
Maximum Torque (ft.-lb. / rpm)	138 / 1600
Cylinders / CID	4 / 180
Fuel Consumption (65% of full load) gal. / hr.	2.1
Electrical System (volt / amp)	24 / 25

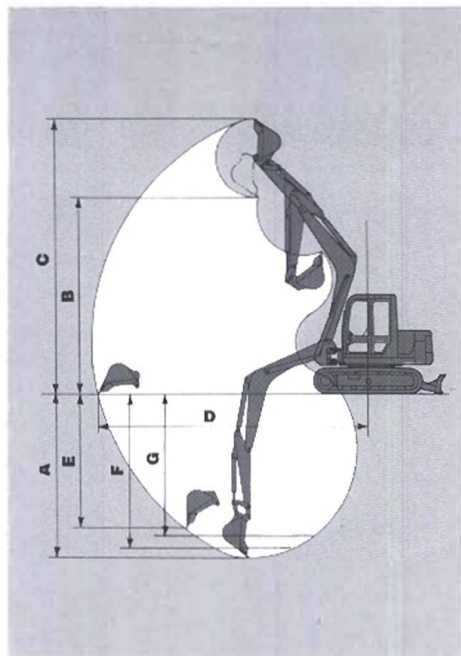
SWING SYSTEM

Independent Boom Swing Angle (L / R)	80° / 50°
Swing Speed (RPM)	5.5 / 10.7
Swing Motor	axial piston
Swing Reduction	planetary
Swing Brake	disc

LIFT CAPACITIES (lbs.) at 15 ft. RADIUS

	over front, blade down	over side
10 ft.	3786	3330
Ground level	5537	3001
-5 ft.	5149	2975

Specifications are for steel track cab version machines. In accordance with our established policy of continued improvement, specifications and features are subject to change without notice.



OPERATING INFORMATION

A Max. Dig Depth	14'0"
B Max. Dump Height	16'4"
C Max. Dig Height	23'0"
D Max. Reach at Ground Level	22'8"
E Max. Vertical Dig Depth	11'6"
F Max. Dig. Depth w / 2 ft. Flat Bottom	13'11"
G Max. Dig. Depth w / 8 ft. Flat Bottom	12'10"
Max. Bucket Dig Force (lbs.)	13825
Max. Arm Dig Force (lbs.)	7938

UNDERCARRIAGE

Traction Motor	axial piston
Traction Drive	planetary
Traction Force (lbs.)	8864 x 2
Traction Brake	disc
Track Rollers (per side)	5
Carrier Roller (per side)	1
Shoe Type	triple semi grouser
Shoe Width	21.7"
Ground Contact Length	7'2"
Ground Pressure (psi)	4.0
Travel Speed (mph)	1.9 / 3.4
Maximum Gradeability	35°

HYDRAULIC SYSTEM

System Operating Pressure (psi)	3982
Pump Type	one double variable displacement axial piston / 2 x gear
Hydraulic Flow (gpm)	18 x 2 / 11.4 x 1 / 3.1 x 1
Auxiliary Flow (gpm)	19.5

CAPACITIES

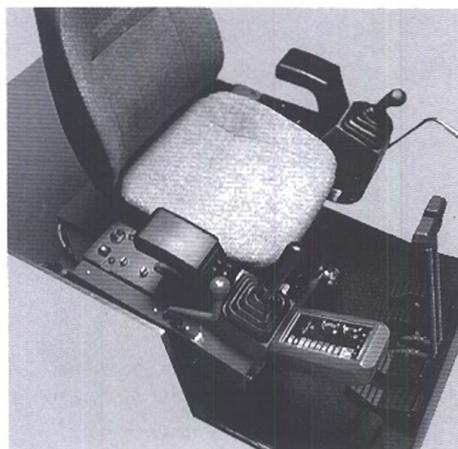
Hydraulic System (gal.)	34.9
Fuel Tank (gal.)	30.6
Engine Lubrication (qt.)	11.6
Cooling System (qt.)	12.7
Final Drives (qt.) each	1.8

BUCKET

Width	24"
Capacity SAE Heaped (cu. ft.)	9.23

MACHINE FEATURES

- Standard dozer blade
- Fully installed two-way auxiliary hydraulics
- Wide angle independent boom swing
- Automatic fuel bleed system
- Three hinged ground level maintenance access covers
- Simultaneous operations of digging and swing functions
- Straight travel with simultaneous hoe attachment and swing operation
- Automatic arm and boom / hoist acceleration
- One double variable displacement pressure compensating axial piston pump and two gear pumps
- Adjustable pilot operated joystick controls with safety lockout
- Foot / hand operated track drive controls
- Isolation mounted cab with heater, windshield wiper and washer, AM / FM cassette radio, dome light, front windshield with retractable upper section, removable lower section
- Sliding operator station with ten-way independently adjustable suspension seat, head rest, and arm rests



- Emergency engine shutdown / idle system
- Electronically controlled engine with three operating modes and engine control touch pad

- One touch engine decelerator
- Electronic engine monitoring system
- Interchangeable steel or half pitch rubber tracks
- Control pattern selector valve
- Three hole power dig bucket
- Optional extendible dipper arm
- Two speed axial piston track drive motors
- Self adjusting track tension system
- Spring applied hydraulically released disc type parking brakes with cushion counter balance valve
- Double reduction planetary final drives
- Sealed and lubricated track pins and double flanged track rollers
- Two speed cab rotation
- Axial piston swing motor with planetary reduction, disk brake, and cushion relief valve
- Two front work lights, side mounted swing lights, and rear flasher lights

TAKEUCHI

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