



# Coexisting of safety and o

## OPERATOR COMFORT

**OPERATOR'S STATION** provides the best-in-class entry/exit as well as outstanding visibility during operations.

**ZERO-TAIL SWING** enables operators to concentrate on task – reduced rear swing area gives operator peace of mind when working near walls, close to traffic and other confined or restricted areas.

**PILOT OPERATED JOYSTICK CONTROLS** gives the operator remarkable controllability and smooth, precise operation. Low and high range travel speeds are easily switchable for improved productivity.



## SAFETY



**RETRACTABLE SEAT BELT** is designed for operator comfort and convenience.

**CONSOLE SAFETY LOCKOUT LEVERS** disable travel and operating controls for safe entry and exit from the excavator.

**ROPS/FOPS** certified cabin/canopy provides operator protection from machine rollover and falling objects.

**ANTI DRIFT VALVE** hydraulically locks boom position that prevents boom from leaking down over time.

### EXCELLENT STABILITY.

Cast iron wrap-around counterweight provides the best-in-class stability for digging and craning applications.

**HALF-PITCH RUBBER TRACKS** provide a smooth, comfortable ride even on the roughest ground conditions. Track design provides long life and exceptional durability.

**LARGE FUEL TANK** is installed for longer working hours with less refueling.

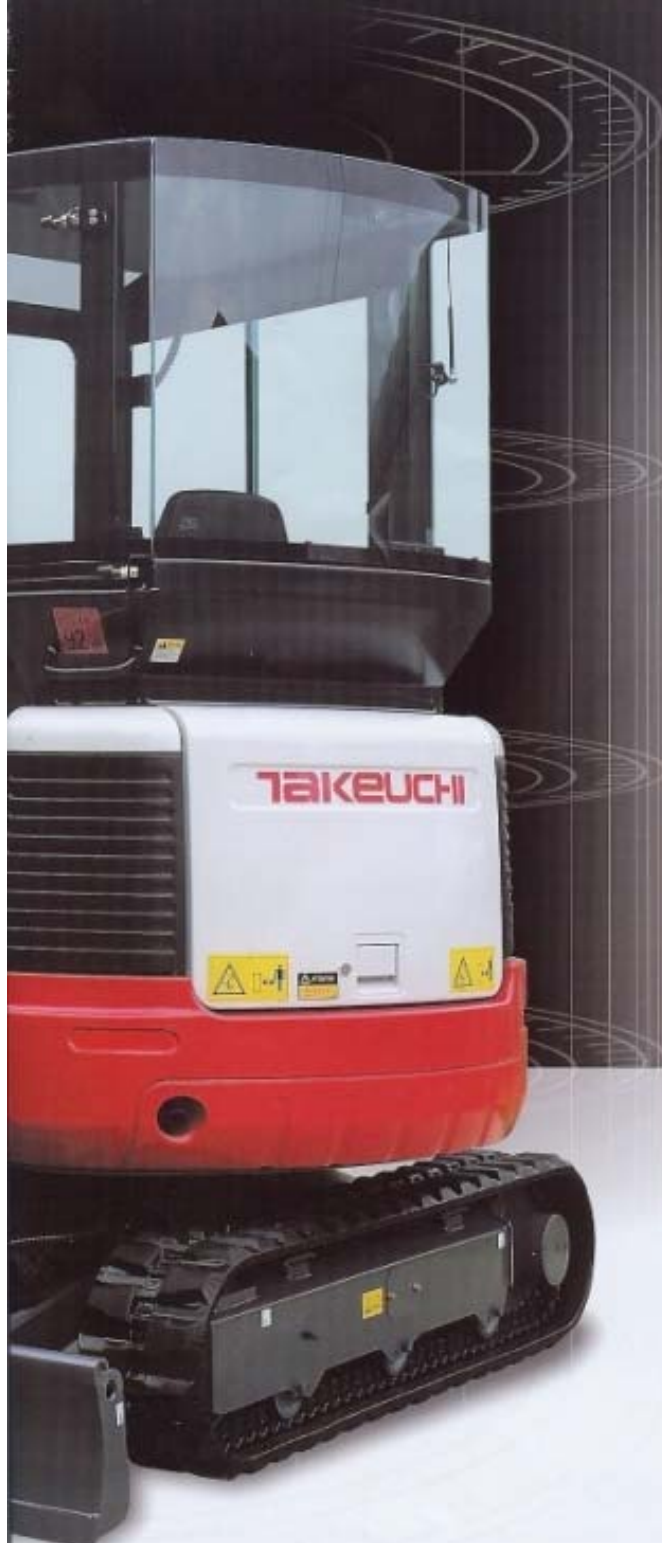


# operativeness

## SERVICEABILITY

**REAR ENGINE COMPARTMENT PLATFORM** and full opening rear engine compartment provide unmatched service access for servicing the engine and other components.

**TWO PIECE DOZER HOSES** permits easy replacement in the event of damage.



## ENVIRONMENTAL SENSITIVITY

**NEW ENGINE** is designed to meet the most stringent worldwide exhaust emission standards and the latest noise regulations effective in 2006.

The machine significantly reduces noise levels for minimal disturbance in urban areas.

## OPTIONS

**TKB71 HYDRAULIC BREAKER** properly matches to the machine's hydraulic flow, pressure and operating capacity, enabling the excavator to efficiently perform concrete breaking and demolition work.

**CONTROL PATTERN SELECTOR** provides quick change of operating patterns to accommodate operator preferences.

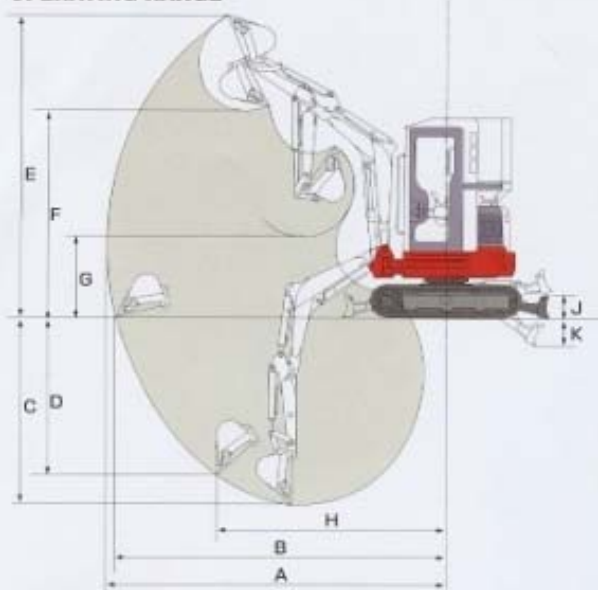
**TRAVEL ALARM** is available as an added safety feature to alert anyone in the machine work area that the excavator is moving.

## TB23R CANOPY

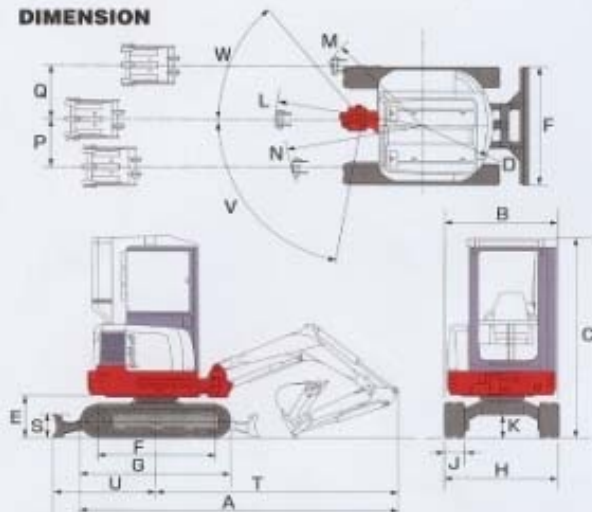


# TAKEUCHI

## OPERATING RANGE



## DIMENSION



## Equipped with Cab

Units:mm

Item	Long Arm		Standard Arm	
	Rubber Crawlers	Steel Crawlers	Rubber Crawlers	Steel Crawlers
A Max. Dig. radius	4430	←	4195	←
B Max. Floor Dig. radius	4330	←	4085	←
C Max. Dig. depth	2560	2555	2310	2305
D Max. Vertical Dig. Depth	2170	2165	1925	1920
E Max. Dig. Height	3820	3825	3680	3685
F Max. Dump. Height	2640	2645	2500	2505
G Min. Dump. Height	715	720	960	965
H Max. Vertical Dig. Radius	2800	←	2740	←
J Max. Raising Height	320	325	320	325
K Max. Lowering Depth	335	330	335	330

## Equipped with Canopy

Units:mm

Item	Long Arm		Standard Arm	
	Rubber Crawlers	Steel Crawlers	Rubber Crawlers	Steel Crawlers
A Max. Dig. Radius	4430	←	4195	←
B Max. Floor Dig. Radius	4330	←	4085	←
C Max. Dig. Depth	2560	2555	2310	2305
D Max. Vertical Dig. Depth	2170	2165	1925	1920
E Max. Dig. Height	4195	4200	4015	4020
F Max. Dump. Height	2980	2985	2805	2810
G Min. Dump. Height	905	910	1145	1150
H Max. Vertical Dig. Radius	2800	←	2740	←
J Max. Raising Height	320	325	320	325
K Max. Lowering Depth	335	330	335	330

## Cab

## Canopy

Units:mm

	Long Arm		Standard Arm		Long Arm		Standard Arm	
	Rubber Crawlers	Steel Crawlers	Rubber Crawlers	Steel Crawlers	Rubber Crawlers	Steel Crawlers	Rubber Crawlers	Steel Crawlers
A	3925	3930	3905	3910	3925	3930	3905	3910
B	1400	←	←	←	1400	←	←	←
C	2450	2455	2450	2455	2430	2435	2430	2435
D	840	←	←	←	840	←	←	←
E	500	505	500	505	500	505	500	505
F	1430	1425	1430	1425	1430	1425	1430	1425
G	1840	1835	1840	1835	1840	1835	1840	1835
H	1400	←	←	←	1400	←	←	←
J	250	←	←	←	250	←	←	←
K	265	270	265	270	265	270	265	270
L	1940	←	1920	←	1805	←	1735	←
M	1630	←	1610	←	1385	←	1325	←
N	1820	←	1800	←	1690	←	1625	←
P	565	←	←	←	565	←	←	←
Q	805	←	←	←	840	←	←	←
R	1400	←	←	←	1400	←	←	←
S	300	←	←	←	300	←	←	←
T	2995	←	2975	←	2995	←	2975	←
U	1250	←	←	←	1250	←	←	←
V	65°	←	←	←	80°	←	←	←
W	50°	←	←	←	50°	←	←	←

## SPECIFICATION TB23R (Cab, Rubber Tracked, Long Arm, ROPS/FOPS Certified)

WEIGHT		OVERALL DIMENSION : mm		DOZER BLADE : mm		Max. Dig. Radius			
Machine Weight	Kg	2600		Length (in transport)	8925	Width x Height	1400x300	Max. Floor Dig Radius	4330
BUCKET		Width		Operating Range UP/DOWN		Max. Slew Radius			
Bucket Capa.	m <sup>3</sup>	0.947 (Stack) / 0.994 (Heaped)	1400	320/335		1628			
Bucket Width	mm	500	Height	OFF-SET DIG FUNCTION		Max. Bucket Offset RH/LH			
DIESEL ENGINE (Water Cooled)		Min. Ground Clearance		Type		Boom Swing			
Model	3TNV76-XTB	265		Swing Angle RH/LH		50°/65°			
PERFORMANCE		TRACTION SYSTEM : mm		HYDRAULIC SYSTEM					
Type	3CYL 4CYCL	Crawler (Track)		Rubber/Steel		Pump Type			
Rated Output	kW	13.9/2300 min <sup>-1</sup>	Traction Speed		kWh		2.4/4.2	Variable (P1+P2) +Gear (P3+P4)	
Max. Torque	Nm	62.5-68.1	Upper Slew Speed		min <sup>-1</sup>		9.6	20.6x2+17.7+3.43	
Total Displacement	lit.	1.115	Gradeability		deg		30°	23.0x2+14.7+9.4	
Cool Water Capa.	lit.	3.5	Max. Dig. Power Bucket		kN		19.0	37.71	
Lub. Oil Capa.	lit.	3.4 (Max)	Max. Dig. Power Arm		kN		12.6	Axial Piston	
Fuel Tank Capa.	lit.	30	Ground Press.		kPa		33.3	Axial Piston	
				Max. Dig. Depth		2550		Hydraulic Tank Capa.	lit.
				Max. Vertical Dig. Depth		2170		25	
				Max. Dump. Height		2640			
				Max. Dig. Height		3819			

WORLD CREATOR OF COMPACT EXCAVATOR

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