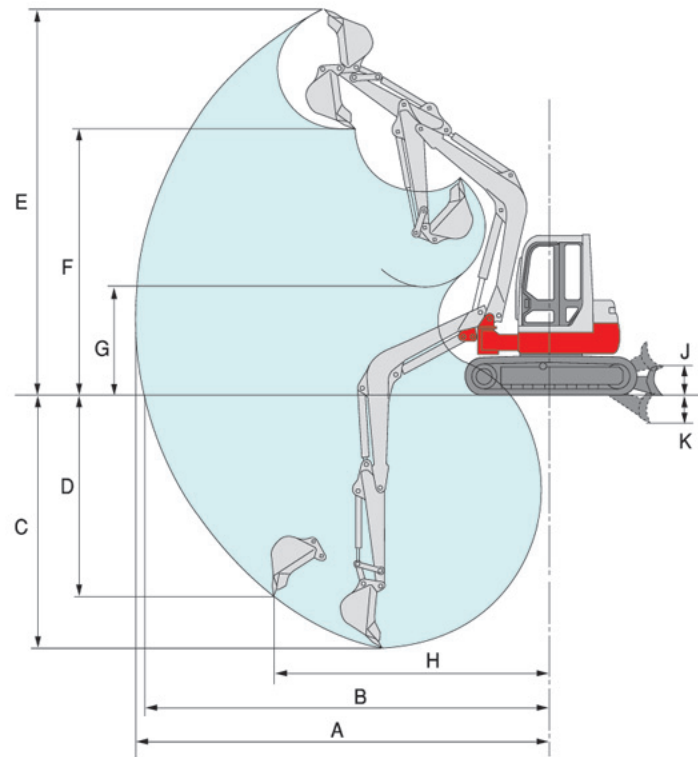
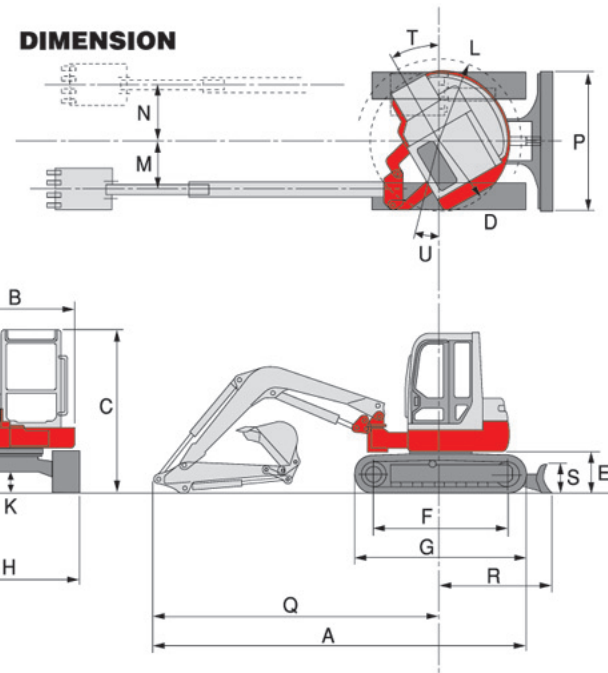


## OPERATING RANGE



## DIMENSION



Item	Units:mm	
	Standard Arm	Long Arm
A Max. digging radius	6870	7195
B Max. ground digging radius	6715	7045
C Max. digging depth	4195	4545
D Max. vertical digging depth	3160	3490
E Max. digging height	6285	6465
F Max. dumping height	4300	4480
G Min. dumping height	1760	1410
H Max. vertical digging radius	4700	4795
J Max. raising height	540	←
K Max. lowering depth	470	←

Item	Units:mm		:Canopy
	Standard Arm	Long Arm	
A	6150	←	L 1395
B	2140	←	M 800
C	2770	←	N 945
D	1255	←	P 2300
E	715	←	Q 4775
F	2210	←	R 1990
G	2855	←	S 500
H	2300	←	T 30°
J	450	←	U 15°
K	350	←	

## SPECIFICATIONS TB180FR Cab, Rubber Tracked, Breaker Piping Standard Long Dozer Blade (STEEL TRACKED)

<b>WEIGHT</b>	Machine Weight kg	8325 (8530)	Rear Slew Radius	1255	<b>OPERATING RANGE : mm</b>	Max. Digging Depth	4195
<b>BUCKET</b>	Bucket Capacity m <sup>3</sup>	0.245	Min. Ground Clearance	350		Max. Vertical Digging Depth	3160
	Bucket Width mm	750	<b>PERFORMANCE</b>			Max. Dumping Height	4300
<b>DIESEL ENGINE (WATER-COOLED)</b>			Traction Speed km/h	2.7 / 5.4 (2.5 / 5.0)		Max. Digging Height	6285
Model	4TNV98-STB1		Upper Slew Speed min <sup>-1</sup>	9.9		Max. Digging Radius	6870
Type	4CYCL,4CYL,Direct Injection		Gradeability deg/%	30° / 58%		Max. Ground Digging Radius	6715
Rated Output kW	45.2		Max Dig Power Bucket kN	53.2		Max. Bucket Offset RHLH	945 / 800
Max. Torque N·m	240		Max Dig Power Arm kN	34.0		<b>HYDRAULIC SYSTEM</b>	
Displacement mL	3318		Ground Pressure kPa	37.6 (38.5)		Pump Type	2xVariable (P1+P2) +2xGear (P3+P4)
Cooling Water Capacity L	9.5		<b>DOZER BLADE : mm</b>			Set Pressure MPa	27.5x2+23.5+3.4
Lubrication Oil Capacity L	10.2		Width x Height	2300X500		Discharge L/min	66.0x2+56.0+11.2
Fuel Tank Capacity L	110		Operating Range up/down	540 / 470		Breaker & Service Port L/min	66
<b>OVERALL DIMENSION:mm</b>			<b>OFF-SET DIG FUNCTION</b>			Slew Motor	Piston Motor
Length (in transport)	6150		Type	Boom Offset		Traction Motor	2-Speed Piston Motor
Width	2300		Swing Angle RH/LH	15° / 30°		Hydraulic Tank Capacity L	68 (Level) / 120 (System)
Height	2770		<b>TRACTION SYSTEM : mm</b>				
			Crawler (Track)	Rubber			
			Track Width RT (ST)	450 (450)			

WORLD CREATOR OF COMPACT EXCAVATOR  
**TAKEUCHI MFG.CO.,LTD.**

205, Uwadaira,Sakaki-machi, Hanisina-gun.  
 Nagano 389-0605,Japan  
 Phone (81)268-81-1112  
 Telefax (81)268-81-1121  
 URL <http://www.takeuchi-mfg.co.jp>  
 E-mail:marketing@takeuchi-mfg.co.jp

In accordance with our established policy of constant improvement, we reserve the right to amend this specification at any time without notice. Printed in Japan. TK 060950

# TB180FR

## ZERO-SWING EXCAVATOR

● Machine Weight : 8325kg



**TAKEUCHI**

# ADJUSTABLE ONE PIECE OFFSET BOOM SYSTEM



## Operator Comfort

**Spacious Compartment** decreases operator's fatigue during long days of productive operation.

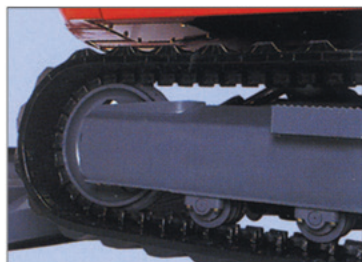
**Wide Entrance** provides the comfort entry/exit.

**Two-Speed Travel Switch** conveniently located on the right hand travel lever for ease of operation.

**Two-Speed Travel Shift-Down System** automatically shifts travel speed from high to low speed when ground conditions call for additional traction power.

**One Touch Engine Decelerator** installed on the right hand joystick reduces fuel consumption when the excavator is temporary idled.

**Automatic Decelerator** reduces fuel consumption automatically.



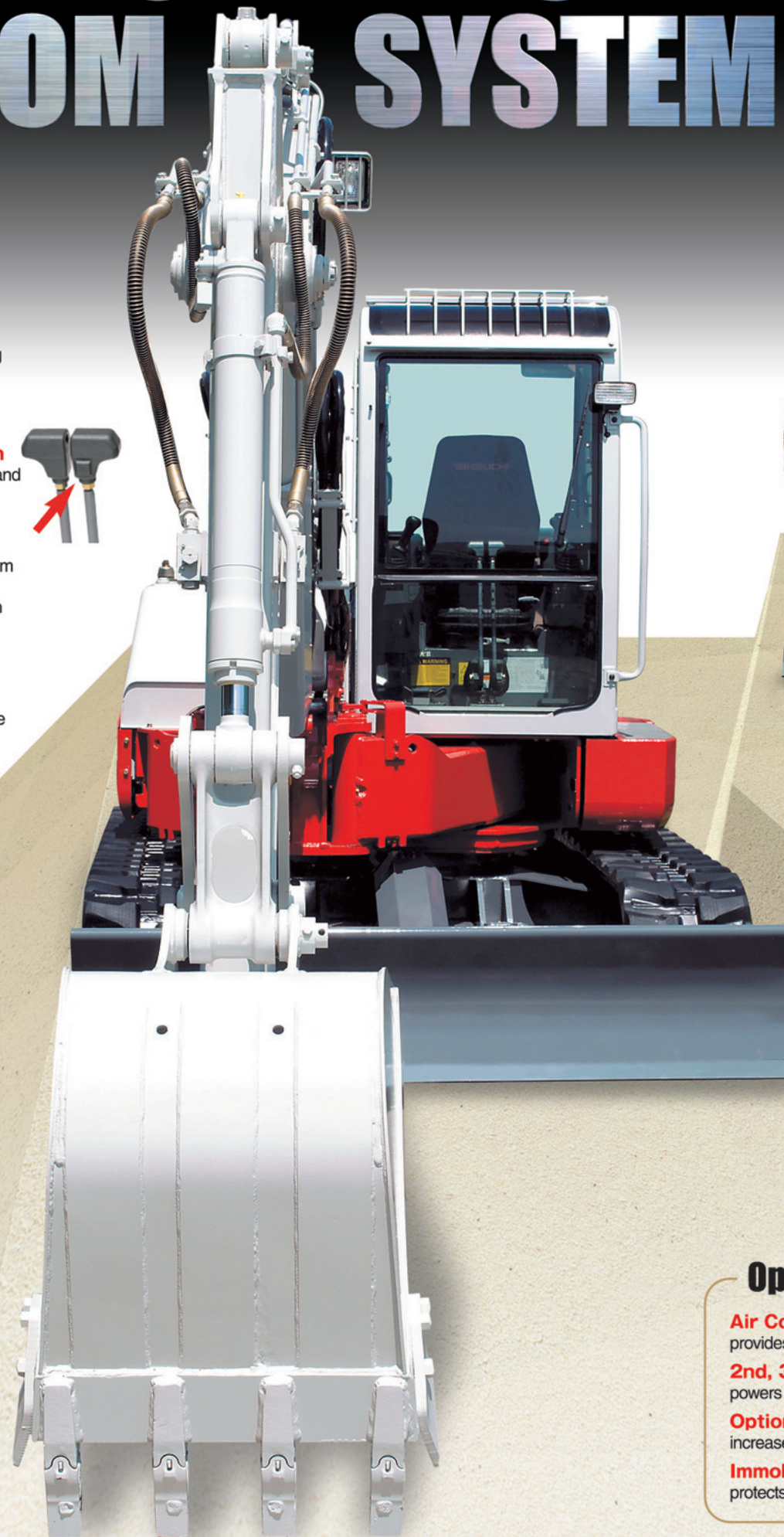
**Short Pitch Rubber Crawlers** provide vibration free travel even on the roughest ground conditions.

## Serviceability

**Tilt-Up Operator's Platform** provides excellent service access to the engine and other components.

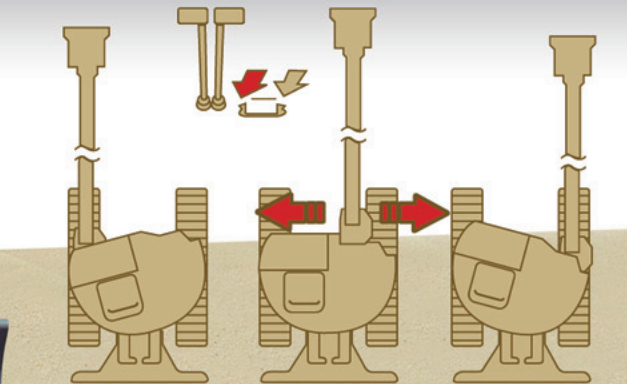
**Multiple Ground Level Access Panels** allow quick and easy maintenance servicing.

**Newly Radiator & Exhaust System** for releasing heat quickly / easy maintenance.



combined with zero-swing. A compact and innovative

## ZERO-SWING



enables the TB180FR to efficiently operate in confined areas.



## Ease of Operations

**Excellent Travel & Slew Speed** shorten operation cycle time.

**Hydraulic Attachment** are operated by momentary push button or proportionally controlled by the slider switch on the joystick.

**Proportional Auxiliary Hydraulic Switch** is controlled at your fingertips.



## Safety

**Well-Balanced Machine Weight** insures superior stability.

**Emergency engine shut down / return to idle system**

helps protect the engine from problems due to unobservant operators.

## Environmental Sensitivity

**New Series Engine** is designed to meet the most strict worldwide exhaust emission standards and also provides significantly reduced noise levels for minimal disturbance in urban areas.

## Options

**Air Conditioner** provides a comfortable operating environment in even the warmest climate.

**2nd, 3rd and 4th AUXILIARY HYDRAULIC SERVICE PORT** powers attachments that require multiple hydraulic actuation.

**Optional Long Arm** increases the excavators working range.

**Immobilizer System** protects the machine from theft by requiring an ID coded key to start the excavator.

