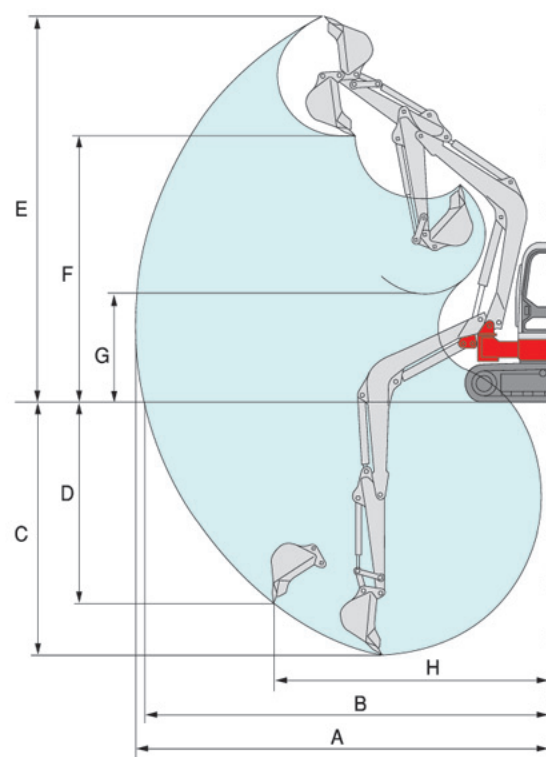
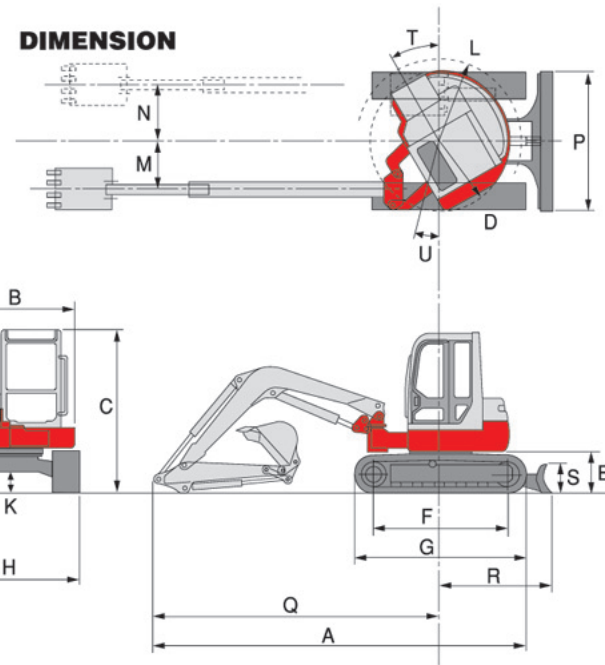


TAKEUCHI

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 Max. digging radius	6150	←	L 1395
B Max. ground digging radius	2140	←	M 800
C Max. digging depth	2770	←	N 945
D Max. vertical digging depth	1255	←	P 2300
E Max. digging height	715	←	Q 4775
F Max. dumping height	2210	←	R 1990
G Min. dumping height	2855	←	S 500
H Max. vertical digging radius	2300	←	T 30°
J Max. raising height	450	←	U 15°
K Max. lowering depth	350	←	

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

WEIGHT			Rear Slew Radius			1255			OPERATING RANGE : mm			
Machine Weight	kg	8325 (8530)	Min. Ground Clearance			350			Max. Digging Depth			4195
BUCKET			PERFORMANCE						Max. Vertical Digging Depth			3160
Bucket Capacity	m³	0.245	Traction Speed			km/h 2.7 / 5.4 (2.5 / 5.0)			Max. Dumping Height			4300
Bucket Width	mm	750	Upper Slew Speed			min⁻¹ 9.9			Max. Digging Height			6285
DIESEL ENGINE (WATER-COOLED)			Gradeability			deg/% 30° / 58%			Max. Digging Radius			6870
Model	4TNV98-STB1		Max Dig Power Bucket			kN 53.2			Max. Ground Digging Radius			6715
Type	4CYCL,4CYL,Direct Injection		Max Dig Power Arm			kN 34.0			Max. Bucket Offset RH/LH			945 / 800
Rated Output	kW	45.2	Ground Pressure			kPa 37.6 (38.5)						
Max. Torque	N·m	240	DOZER BLADE : mm						HYDRAULIC SYSTEM			
Displacement	mL	3318	Width x Height			2300X500			Pump Type			2xVariable (P1+P2) +2xGear (P3+P4)
Cooling Water Capacity	L	9.5	Operating Range up/down			540 / 470			Set Pressure			MPa 27.5x2+23.5+3.4
Lubrication Oil Capacity	L	10.2	OFF-SET DIG FUNCTION						Discharge			L/min 66.0x2+56.0+11.2
Fuel Tank Capacity	L	110	Type			Boom Offset			Breaker & Service Port			L/min 66
OVERALL DIMENSION:mm			Swing Angle RH/LH			15° / 30°			Slew Motor			Piston Motor
Length (in transport)	6150		TRACTION SYSTEM : mm						Traction Motor			2-Speed Piston Motor
Width	2300		Crawler (Track)			Rubber			Hydraulic Tank Capacity			L 68 (Level) / 120 (System)
Height	2770		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.

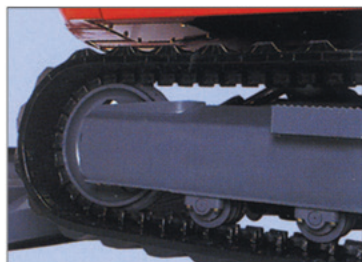
Wide Entrance
provides the comfort entry/exit.

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.



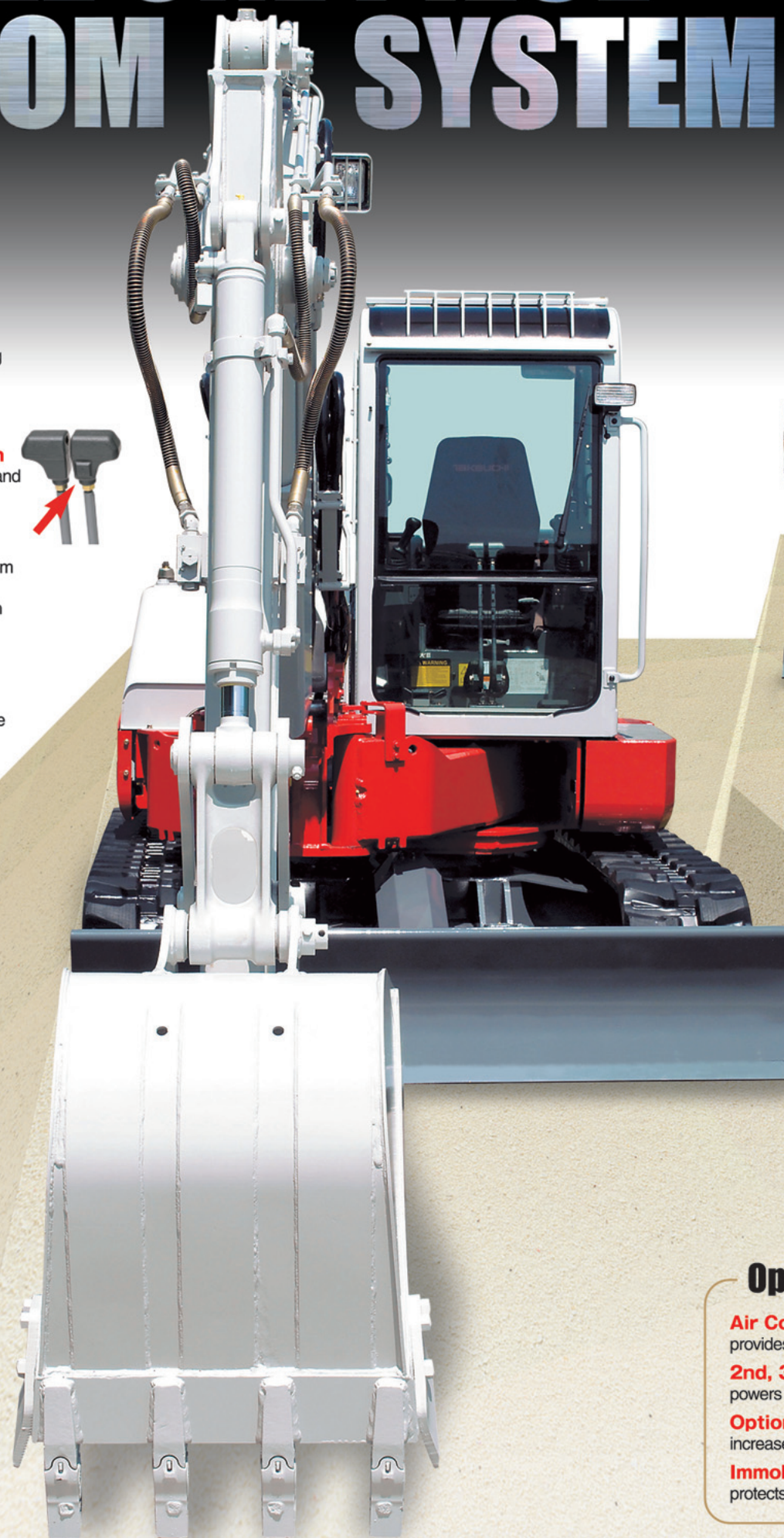
Short Pitch Rubber Crawlers
provide vibration free travel even on the roughest ground conditions.

Serviceability

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

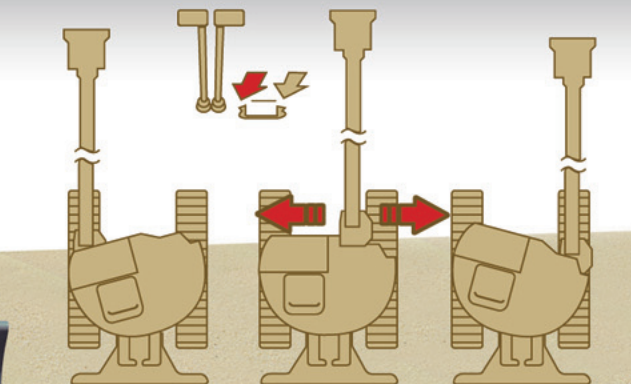
Multiple Ground Level Access Panels
allow quick and easy maintenance servicing.

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.

