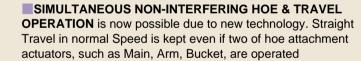


■VARIABLE DISPLACEMENT, AXIAL PISTON, HYDRAULIC PUMPS WITH POWER SHIFT enable system flows and pressures to vary according to the load placed on the hydraulic system. The hydraulic system puts to work all of the available engine horsepower for maximum operating efficiency.

The optimal combination of high digging forces and fast cycle times are continuously adjusted according to the variable digging loads encountered by the excavators.



Simultaneously. P1···Traction(LH)

P2···Traction(RH)

P3····Main, Bucket, Arm.

(P4··· Pilot)

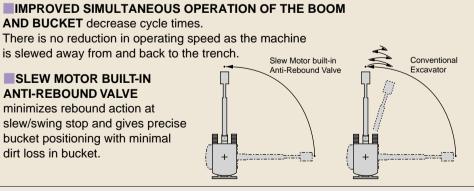
All Simutaneous Movements are operated smoothly in comfortable conditions.

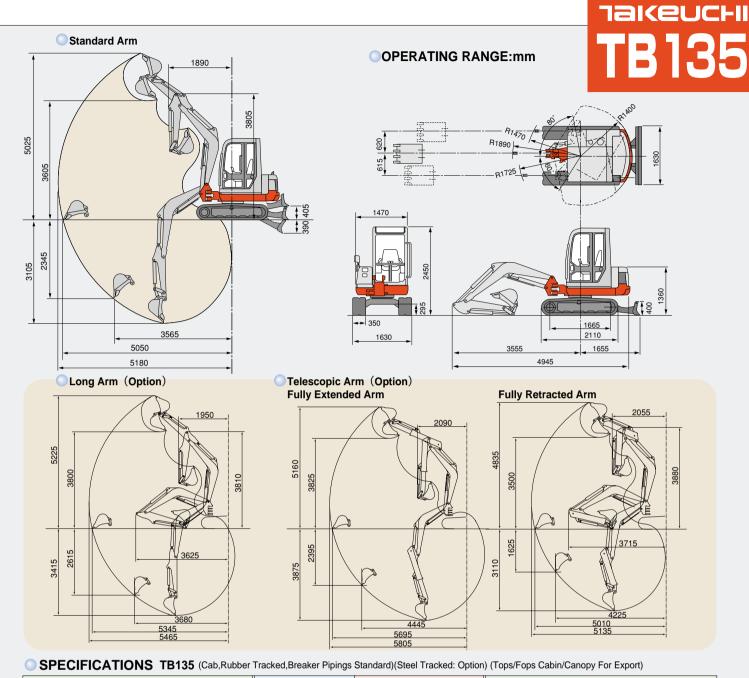
■ IMPROVED SIMULTANEOUS OPERATION OF THE BOOM AND BUCKET decrease cycle times.

There is no reduction in operating speed as the machine

SLEW MOTOR BUILT-IN ANTI-REBOUND VALVE

minimizes rebound action at slew/swing stop and gives precise bucket positioning with minimal dirt loss in bucket.





WEIGHT: kg			Rear Slew Radius	1,400	OPERATING RANGE: mm		
Machine Weight		3,430(3,530)	Min. Ground Clearance	295	Max. Dig. Depth		3,105
BUCKET			PERFORMANCES		Max. Vertical Dig. Depth		2,345
Bucket Capa.	m³	0.078(Struck)/0.105 (Heaped)	Traction Speed km/h	2.5/4.6(2.4/4.5)	Max. Dump Height		3,605
Bucket Width n	nm	540	Upper Slew Speed min-1	9.2	Max. Dig. Height		5,025
DIESEL ENGINE (WATER-COOLED)			Gradeability deg/%	30/58	Max. Dig. Radius		5,180
Model		3TNV88	Max. Dig. Power Bucket kN	26.5	Max. Floor Dig. Raidus		5,035
Туре		3CYL.4CYCL	Arm kN	18	Min. Slew Radius		1,470
Rated Output	kW	20.9/2,300min ⁻¹	Ground Press kPa	27.1(28.6)	Max. Bucket Offset RH/LH		620/615
Max. Torque	Nm	104.8	DOZER BLADE: mm		HYDRAULIC SYSTEM		
Displacement	ml	1,642	Width × Height	1,630×400	Pump	Туре	Variable(P1+P2)+Gear(P3+P4)
Cool Water Capa.	lit	4.9	Operating Range up/down	405/390		Set Press	$20.6 \times 2 + 19.6 \times 1 + 3.4 \times 1$
Lub. Oil Capa.	a. 4.7 OFF-SET DIG FUNCTION		ION	Discharge I/min		37.3×2+21.9×1+10.4×1	
Fuel Tank Capa.	lit	52	Type	Boom Swing	Breaker & S	envice Port I /min	50(LDM)

Traction Motor

Hydraulic Tank Capa. I

Axial Piston

Swing Angle RH/LH TRACTION SYSTEM: mm

Crawler (Track)
Track Width: RT (ST)

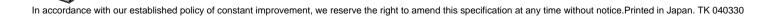
WORLD CREATOR OF COMPACT EXCAVATOR TAKEUCHI MFG.CO.,LTD. 205-3,Uwadaira,Sakaki-machi,Hanishina-gun, Nagano 389-0605, Japan Phone (81)268-81-1112 Telefax (81)268-81-1121
URL http://www.takeuchi-mfg.co.jp
E-mail:marketing@takeuchi-mfg.co.jp

1,630

2,450

OVERALL DIMENSIONS: mm





TAKEUCHI ··· Leading the Way in Compact Excavators

Operator Comfort

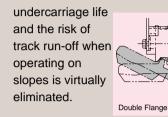
■ AN ISOLATION MOUNTED **PLATFORM** minimizes noise levels in the operators station for less operator fatigue and improved awareness of the machines operating functions.

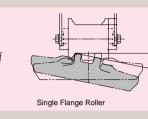
■ SHORT PITCH RUBBER TRACKS make for comfortable vibration free travel even on the roughest job sites.



ADJUSTABLE SUSPENSION SEAT provides for long days productive operation vith minimal operator

DOUBLE-FLANGED TRACK ROLLERS provide increased roller/rail contact. Stress on the rail is more evenly distributed for longer undercarriage life





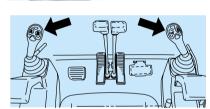


Ease of Operation

■ ELECTRO OVER HYDRAULIC CONTROL OF THE **AUXILIARY HYDRAULIC CIRCUIT** is located at the left

hand(LH) joystick control for convenient and comfortable operation of hydraulic attachments.





A ONE TOUCH ENGINE DECELERATOR WITH **RETURN TO PRESET ENGINE SPEED** is located on the right hand(RH) joystick control. It aids in reduced fuel consumption when the excavator is temporarily idle.

■ TRAVEL SPEED SWITCH

is located at the right hand(RH)travel lever for easy change to 2nd(high)speed.



Serviceability

The new model TB135 excavator is the end result of years of research, field testing,

for excavator performance, reliability, efficiency and ease of operation.

customer evaluation and product refinement. Designed and engineered from the "ground

up" with the latest in compact equipment technology, they firmly establish new standard

■ THE OPERATORS PLATFORM is quickly and easily raised for optimum machine serviceability. Maintenance and repair time are significantly reduced through quick and unencumbered access to the starter, alternator, battery, engine oil filter, slew motor and reduction unit, swivel joint, main

control valve and hoses. A GREASE GUN STORAGE **COMPARTMENT** is provided to help insure proper maintenance.



Environmental Sensitivity

■ NEW SERIES ENGINES

significantly reduce noise emission levels for minimal disturbance in urban areas and comply with the most stringent Worldwide exhaust emission standards.



Options

■ TKB101/201 HYDRAULIC BREAKERS

properly matched to the machine flow, pressure, and working capacity, enables the excavator to efficiently perform concrete breaking and demolition work.

■ EMERGENCY ALARM EQUIPPED BOOM **HOLDING VALVE**

provides for maximum safety when the excavator is used craning applications or working with men

■ TRAVEL ALARM

is available as an optional safety precaution to audibly alert anyone in the excavators work area of any machine movement.

■ EASY LEVER PATTERN CHANGE SELECTOR VALVE

provides for quick change of operation control patterns to accomodate operator preference.

LONGER STICK ARM

■ TELESCOPIC ARM

is available for the longest reach

to increase the working range.



SYSTEM automatically returns the engine to low idle speed in the event of an increase in engine coolant temperature and completely shuts down

Safety

AN EMERGENCY ENGINE SHUT DOWN

A CAST IRON WRAP AROUND

slewing (swinging) in confined areas.

COUNTERWEIGHT protects the engine

compartment born accidental damage when

the engine in the event

of abnormal decrease

in engine lubrication

feature which helps

eliminate catastrophic

engine failures due to

abusive or

operators.

unobservant

pressure. An important

Console safely lockouts disable the console mounted operating controls for safe entry and exit from the machine.

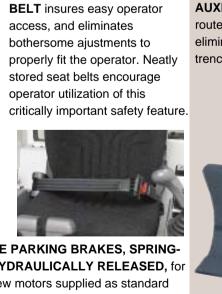


■ REAR MOUNTED WORK LIGHTS improve job site safety conditions by visually alerting anyone entering the excavators area.



■ DISC TYPE PARKING BRAKES, SPRING-APPLIED, HYDRAULICALLY RELEASED, for travel and slew motors supplied as standard equipment are automatically applied when motors are not in operation.

■ A RETRACTABLE SEAT



BUCKET CYLINDER AND



