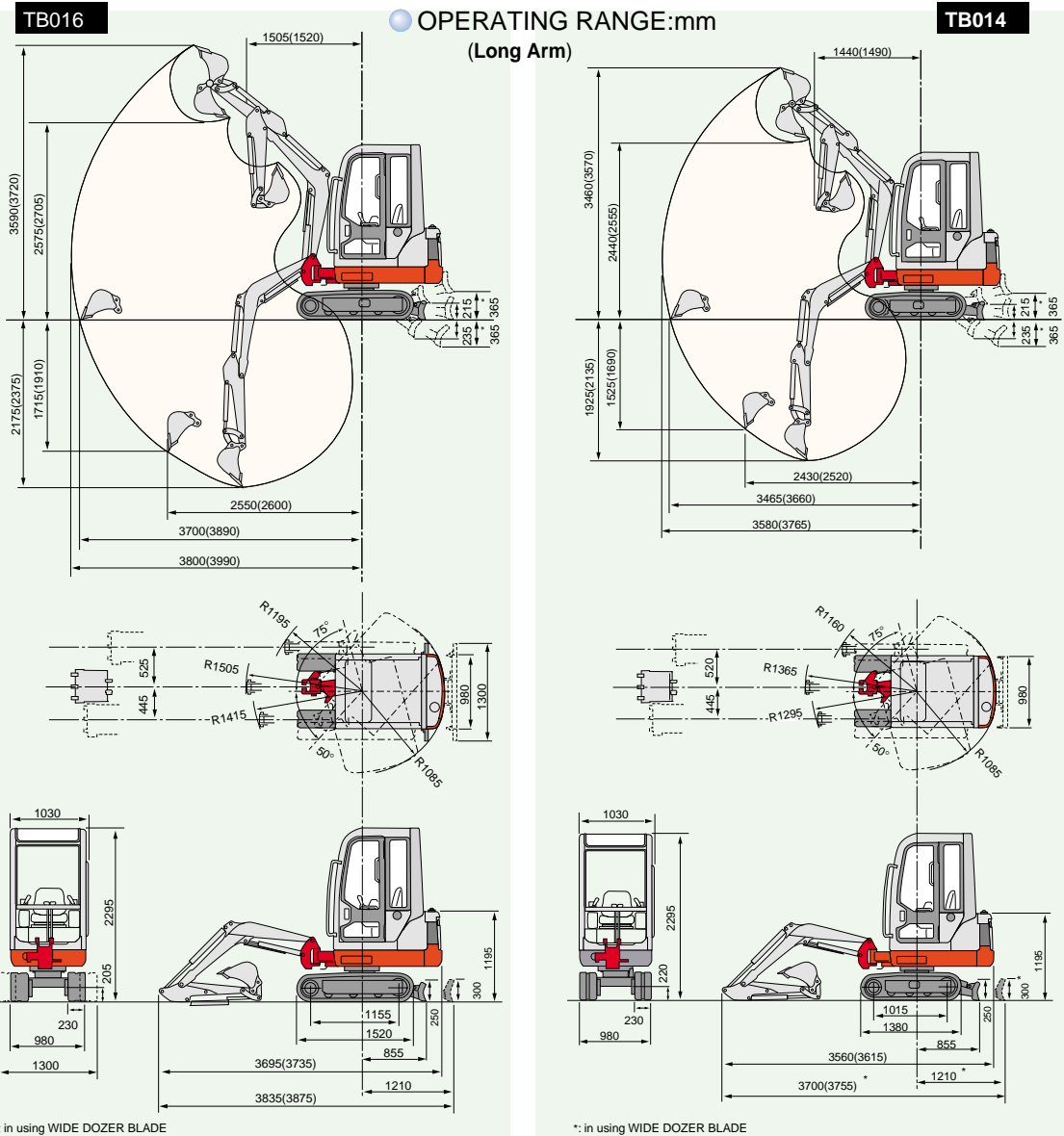


TB014 and TB016

Machine Weight:1410kg

Machine Weight:1500kg



TB014 and TB016



TB014

SPECIFICATIONS TB014/016 (Canopy/Cab, Rubber Tracked, Breaker Pippings Standard)(Steel Tracked: Option)

MODEL	TB014		TB016		MODEL	TB014		TB016	
WEIGHT: Kg	Canopy	Cab	Canopy	Cab	Height	2,260	2,295	2,260	2,295
Machine Weight	1,410	1,525	1,500	1,615	Rear Slew Radius	1,085	1,085	OPERATING RANGE: mm	
BUCKET					Min. Ground Clearance	220	205	Max. Dig. Depth	1,925
Bucket Capa. M ³	0.028(stuck) 0.038(heaped)		0.028(stuck) 0.038(heaped)		PERFORMANCES				
Bucket Width mm	440		440		Traction Speed Km/h	2.2	2.4/4.6	Max. Dump Height	2,545
DIESEL ENGINE (WATER-COOLED)					Upper Slew Speed rpm	9	9	Max. Dig. Height	3,580
Model	3TNE68-NTB		3TNE68-NTB		Gradeability deg/%	30/58	30/58	Max. Dig. Radius	3,580
Type	3CYL. 4CYCL		3CYL. 4CYCL		Max. Dig. Power: Bucket Kn	12.1	13.1	Max. Floor Dig. Radius	3,465
Rated Output Kw	9		9		Arm Kn	8.5	9	Min. Slew Radius Swing RH/LH	1,160/995
Max. Torque Nm	51		51		Ground Pressure Kpa	26.4	24.9	Max. Bucket Off-set RH/LH	525/445
Fuel Consumption l/h	1.7		1.7		DOZER BLADE: mm				
Displacement cc	784		784		Width x Height	980x250	1,300x250	HYDRAULIC SYSTEM	
Cool. Water Capa. l	2.9		2.9		Operating Range up/down	215/235	215/235	Pump Type	VariableP1+P2+GearP3
Lub Oil Capa. l	2.8		2.8		OFF-SET DIG. FUNCTION				
Fuel Tank Capa. l	21		21		Type	Boom Swing	Boom Swing	Discharge LPM	16.4x2+10.1x1
OVERALL DIMENSIONS: mm					Traction Angle RH/LH	50/90°	50/75°	Breaker & Service Port LPM	33
Length (in transport)	3,560		3,695		TRACTION SYSTEM: mm				
Width	980(Fixed)		980/1,300(Adjustable)		Crawler (Track)	Rubber/Steel	Rubber/Steel	Slew Motor	Orbit
					Traction Motor				
					Orbit				
					Axial Piston				
					Hydraulic Tank Capa. l				
					23				
					23				



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Excluding Tight Quarter and Electric Type Excavator





TB016

TAKEUCHI.....Leading the Way in Compact Excavators

TB014 and TB016

The new model TB014 and TB016 excavators are the end result of years of research, field testing, customer evaluation and product refinement. Designed and engineered from the "ground up" with the latest in compact equipment technology, they firmly establish new standards for excavator performance, reliability, efficiency and ease of operation.

Operator Comfort

- * **Streamlined design** for improved operator visibility and operation in the most confined areas.
- * **Fully adjustable suspension seat** provides for long days of productive work with minimal operator fatigue.



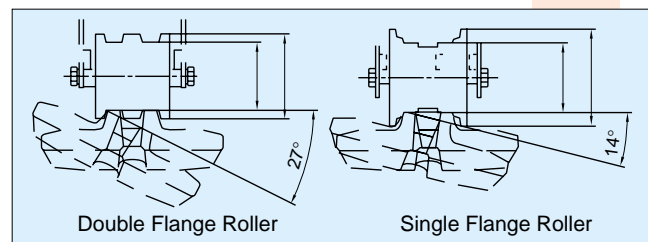
Safety

- * **Front attachment hoses** are routed through the boom bracket for improved operator visibility and reduced exposure to external damage.
- * **Bucket cylinder and auxiliary circuit hoses** are routed through the arm to virtually eliminate hose abrasion from narrow trench walls and debris.



Ease of Operation

* The new TB014 and TB016 excavators retain the standard features which have proven so popular on Takeuchi equipment in the past - features like auxiliary hydraulics, and servo controls. All of which are designed in a compact size for confined area operation.



* **Double-flanged track rollers** provide increased roller/rail contact. Stress on the rail is more evenly distributed for longer undercarriage life and the risk of track run-off is reduced when operating on slopes.



Environmental Sensitivity

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



980mm ↔ 1300mm

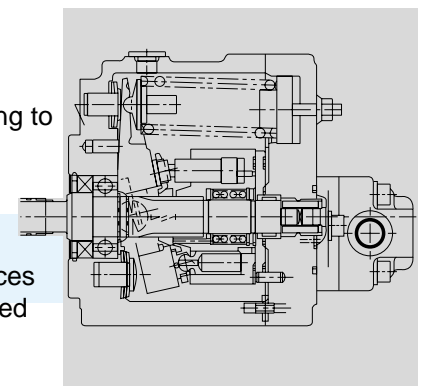
* **The TB016 hydraulically adjustable track frame** enables the excavator, when in the retracted position, to squeeze through narrow openings. In the wide position the excavator gains added stability for heavy excavating, over the side digging, attachment operation and work on uneven terrain. The advantages of two sizes of excavators in a single machine.

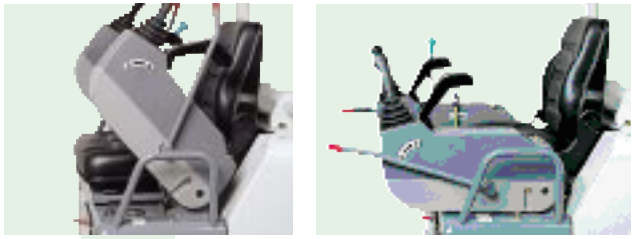


TB014

* **Improved simultaneous operation** of the boom and bucket decrease cycle times. There is no reduction in operating speed as the machine is slewed away from and back to the trench.

* **Variable displacement, axial piston, hydraulic pumps** 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.





Safety

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



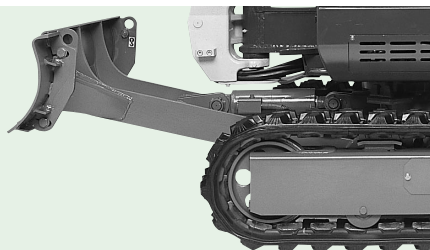
***Rear mounted work lights** improve job site safety by visually alerting anyone entering the excavators work area.



***An emergency engine shutdown system** on the model TB016 stops the engine in the event of an abnormal decrease in engine oil pressure. An important feature which helps eliminate catastrophic engine failures due to abusive or unobservant operators.



***The lengthened track frame on the model TB016** in combination with the hydraulically adjustable track frame width provides the most stable operating platform of any excavator in its class.



***HEAVY DUTY DOZER BLADE** provide for backfilling, machine stability and grading.



***A cast iron wrap around counterweight** protects the engine compartment from accidental damage when slewing in confined areas.

***Spring applied, hydraulically released disc type travel brakes** are not subject to leak off or failure due to a broken hose which may occur with hydraulic counter balance valve type travel brakes. An important safety feature when the excavator is resting on a slope.

Serviceability

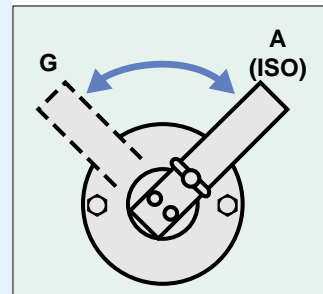
*The full opening engine hood, remote grease fitting and optimal layout of all filter and fluid check points provide quick ground level access to all maintenance items. What is easy to service will be serviced.



Options

***TKB71 HYDRAULIC BREAKER** properly matched to the machine flow, pressure, and working capacity, enables the excavator to efficiently perform concrete breaking and demolition work.

***A CONTROL PATTERN SELECTOR VALVE** provides for quick change of operating control patterns to accommodate operator preferences.



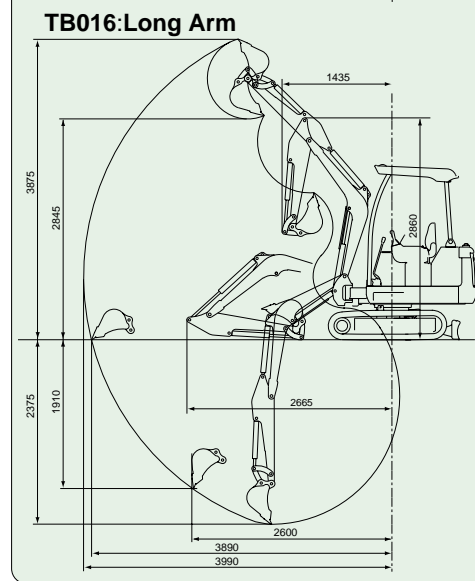
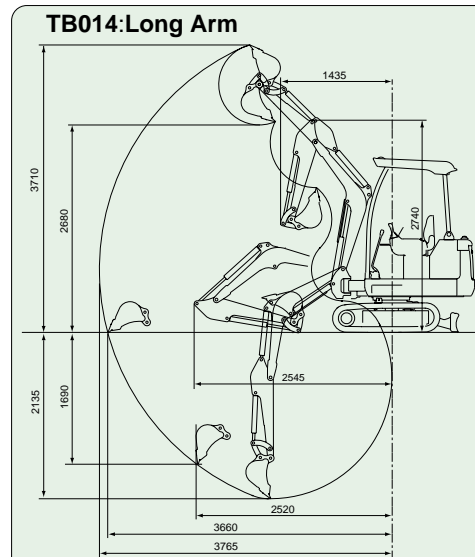
***OPTIONAL TRAVEL ALARM** is available as an added safety precaution to audibly alert anyone in the excavators work area of any machine travel.

***LONGER STICK ARM/TELESCOPIC ARM** provide longer digging reach according to working applications.



TB016 Canopy Long Arm

TB016 Cab Long Arm



OPERATING RANGE: mm

