



# TB235

**FULL HYDRAULIC COMPACT EXCAVATOR**

Machine Weight : 3530kg

**TAKEUCHI**



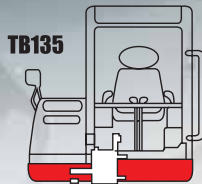


# TB235 FULL HYDRAULIC COMPACT EXCAVATOR



## OPERATOR COMFORT

EVOLUTION OF TECHNOLOGY

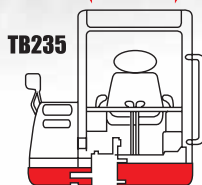


TB135

- **6-WAY MULTI-ADJUSTABLE SUSPENSION SEAT** and retractable seat belt

- **ROLL UP FRONT WINDOW** with gas spring lift assist cylinder

← WIDE →



TB235

- **INTERIOR IMPROVEMENTS** include cup holders, and storage compartments.

- **RADIO WITH AUXILIARY JACK** for Mp3 player (CABIN)

- **CABIN COMES STANDARD WITH HEATER** with an option for air conditioner

- **UPDATED AND EASY TO READ MONITOR** that is equipped with audible and visual warnings in the event of an abnormal decreases in engine lubrication pressure or excessive engine coolant temperature.

- **LARGE, ADJUSTABLE ARM RESTS**



- **SHORT PITCH RUBBER TRACKS**

- **DOUBLE FLANGED TRACK ROLLERS** provide increased roller / rail contact

- **ISOLATION MOUNTED PLATFORM** minimizes noise and vibration

- **SPACIOUS AND COMFORTABLE** operator's compartment with a clear, panoramic view. Cabin is 12% larger than previous models

- **TWO REAR VIEW MIRRORS** (CABIN)



## SERVICEABILITY

EVOLUTION OF TECHNOLOGY



## ENVIRONMENTAL SENSITIVITY

New emissions compliant engines are designed to meet the most strict exhaust emission standards worldwide

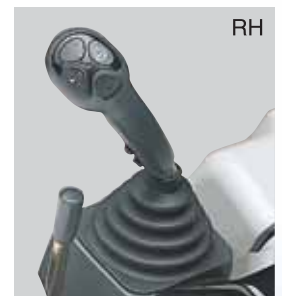
- **TILT FORWARD OPERATOR PLATFORM** is quickly and easily raised for optimum machine serviceability. Maintenance and repair time are significantly reduced through quick and unencumbered access to the inside of the machine.
- **BATTERY, WATER SEPARATOR AND MAIN FUSES** are easily replaced
- **GREASE GUN** storage compartment
- **SIDE-BY-SIDE RADIATOR** and hydraulic oil cooler with tilt up side cover
- **NEW TYPE FUEL FILTERS** have longer service interval times
- **INTEGRATED TIE DOWN POINTS**
- **BULKHEAD STYLE HYDRAULIC FITTINGS** for the boom and dozer blade for quick and easy hose changes.
- **CUSHIONED BOOM SWING** cylinders



## EASE OF OPERATION

EVOLUTION OF TECHNOLOGY

- **PROPORTIONAL AUXILIARY HYDRAULIC CONTROL** (Please refer to the "OPTION")
- **PUSH BUTTON DECEL SYSTEM** with optional auto decel
- **TWO-SPEED TRAVEL SWITCH** is conveniently located on the right hand travel lever
- **TWO SPEED TRAVEL WITH AUTOMATIC STEP DOWN TRAVEL MOTORS**



## SAFETY

EVOLUTION OF TECHNOLOGY

- **ROPS/FOPS**  
Certified cab/canopy
- **CAST IRON WRAP-AROUND COUNTERWEIGHT** protects the engine compartment from damage when working in confined areas
- **FRONT AND REAR MOUNTED LIGHTS** improve job site safety conditions
- **SPRING APPLIED, HYDRAULICALLY RELEASED** wet disk brake for travel and slew motors
- **AUDIBLE AND VISUAL WARNINGS** in the event of an abnormal decreases in engine lubrication pressure or excessive engine coolant temperature.



- **SAFETY LOCKOUT LEVER** for travel and operating controls

- **BUCKET CYLINDER AND AUXILIARY CIRCUIT HOSES** are routed through the arm for increased protection against abrasion and damage
- **PILOT CIRCUIT FILTER**
- **BOOM CIRCUIT LOCK-VALVE**



# OPTIONS

EVOLUTION OF TECHNOLOGY

## SERVICE PORT

- STANDARD : SERVICE PORT 1
- OPTION : SERVICE PORT 2
- OPTION : SERVICE PORT 3 (NORMAL / HI-PRESSURE TYPE)

## SERVICEABILITY

- DUAL AIR FILTER ELEMENT

## HOLDING VALVE

- BOOM HOLDING VALVE
- ARM HOLDING VALVE

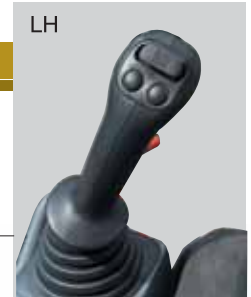
## OPERATOR COMFORT

- AIR CONDITIONER (CABIN)
- ASH TRAY (CABIN)
- WORK LIGHT FRONT X 2
- WORK LIGHT REAR X 1 (CABIN)
- AUTO DECEL SYSTEM (STANDARD : BUTTON / OPTION : AUTO)



# OTHER OPTIONS

- AUXILIARY HYDRAULIC CONTROL FOR SERVICE PORT 1
- STANDARD : BY BUTTON ON LEFT LEVER
- OPTION(1) : BY FOOT SWITCH (ON / OFF)
- OPTION(2) : BY PROPORTIONAL Slide CONTROL ON LEFT LEVER
- CONTROL PATTERN SELECTOR VALVE



- LONG ARM / MIDDLE ARM
- STEEL CRAWLER
- RUBBER PAD CRAWLER
- ACCUMULATOR
- AIR BREATHER FOR HYDRAULIC OIL
- BATTERY DISCONNECT SWITCH
- TRAVEL ALARM
- ARM-IN RESTRICTION SYSTEM

- BREAKER (TKB301)



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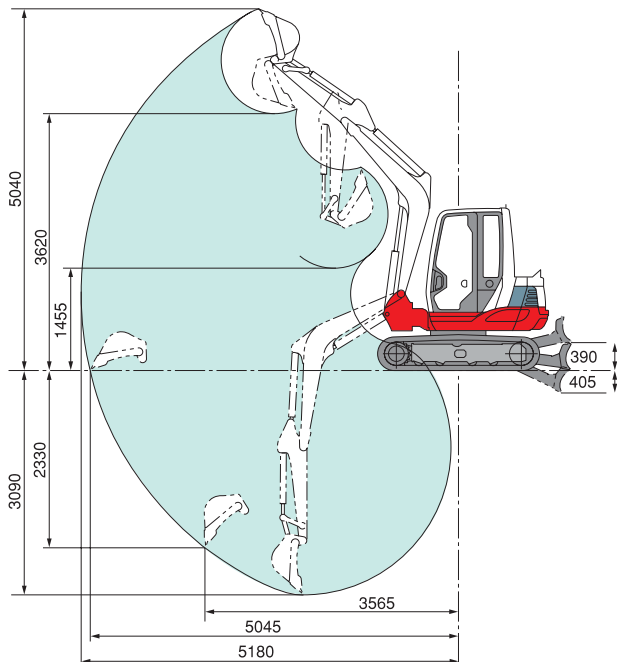
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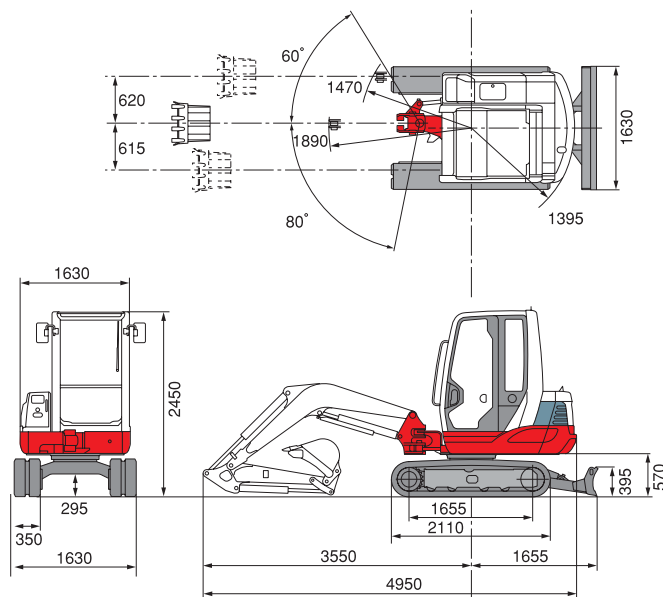


# TAKEUCHI FULL HYDRAULIC COMPACT EXCAVATOR **TB235**

## OPERATING RANGES: mm



## MACHINE DIMENSIONS: mm



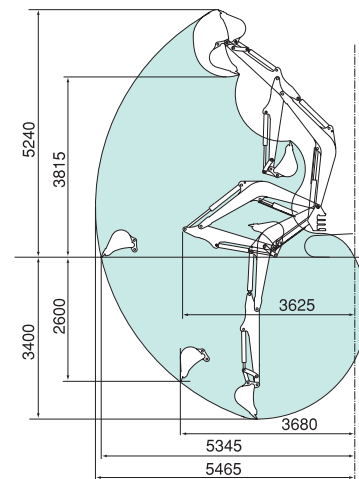
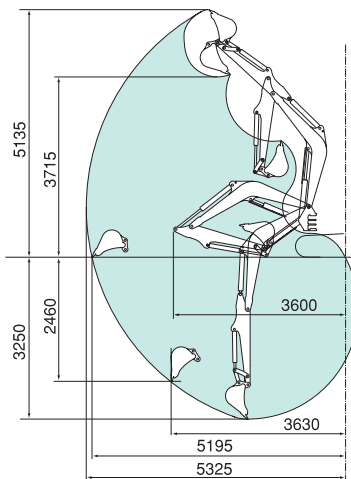
## MIDDLE ARM

## LONG ARM



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FULL HYDRAULIC COMPACT EXCAVATOR



## SPECIFICATIONS TB235 (Cab, Rubber Tracked, Standard Arm, Breaker Piping Standard)

Weight			Fuel Tank	L		52.5		HYDRAULIC SYSTEM					
Machine Weight	kg	Canopy 3390	Cabin 3530	Electric System	12V/40A			Pump type	Variable x 2 + Gear x 2				
Bucket			PERFORMANCE										
Bucket Capacity (Heaped)	m <sup>3</sup>	0.105 (Heaped)		Traction Speed	km/h		2.6 / 5.0		Set Pressure	MPa	21.0 x 2 + 19.6 x 1 + 3.4 x 1		
Bucket Width	mm	540		Upper Slew Speed	min <sup>-1</sup>		10		Discharge	L/min	38.9 x 2 + 22.8 x 1 + 10.8 x 1		
Diesel Engine (Water-Cooled)			Max Dig power Bucket							kN		27	
Model	3TNV88		Max Dig power Arm							kN		SSA: 18.3 MSA: 17.1 LSA: 16.0	
Cylinders / Type	3/4CYCL		Ground Pressure							kPa		Canopy 26.8	Cabin 27.9
Rated Power	kW	21.5/2,400 min <sup>-1</sup>		OFF-SET DIG FUNCTION									
Maximum Torque	N·m	98.6-107.4		Type							Boom Swing		
Displacement	mL	1642		TRACTION SYSTEM : mm									
Engine Coolant.	L	8.7		Type							Rubber / Stee		
Engine Oil	L	4.7		SAFETY									
			ROPS / FOPS (CABIN / CANOPY)							ROPS / FOPS			
			Option & Equipments										
			Service Port 1 L/min/MPa							61.7 / 21.0			
			Service Port 2 L/min/MPa							22.8 / 19.6 (Option)			
			Service Port 3 L/min/MPa							10.8 / 3.4 (Option)			

# TAKEUCHI

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