



**TAKEUCHI**

# **TB325R**

Short-tail excavator with cabin /canopy

The **TB325R** with its minimal rear swing radius is the ideal mini excavator for renovation work or conversions in **confined spaces**. This short-tail excavator is your perfect partner, especially in urban areas, as it unfolds its potential even on narrow construction sites.



- » 1<sup>st</sup> hydraulic circuit, with proportional control with 40,0 l/min
- » Available in 2 versions: with closed cabin or with canopy
- » 3 LED worklights for optimum illumination of working area



For three hours, two days or a whole year - if you need it for your construction site, you can **buy and rent** your TB325R from us.

[www.huppenkothen.com](http://www.huppenkothen.com)



# Huppenkothen added-value equipment:

**There is additional equipment that everyone wants.**

You therefore get all as standard from Huppenkothen. This makes your excavator more effective, faster and more comfortable.

**Put simply - added value.**



Exclusive additional equipment



Powerful



Minimum slewing radius



Adjustable flow rates

## **COMFORT EQUIPMENT**

Comfort cab ROPS / FOPS with radio (only cabin version)

3.5 " LCD display - incl. tank and temperature indicator

Heating (only cabin version)

Rear window heating with wiper (only cabin version)

Mechanically cushioned comfort seat

HFM (HUPPIFleetManagement) - telematics system with 4 year term of use  
- extended for additional charge

Automatic idle - r.p.m. deceleration

Optional additional equipment and services

## **HUPPLub**

Huppenkothen central lubrication system to ensure everything runs even more smoothly.

## **HUPPTronic**

Digital assistance for excavator operators - economical, comfortable and intuitive to use.

## **HUPPIWarranty**

Extended premium warranty package with all-round protection.

## **HUPPIFleetManagement**

An eye on every machine at all times with fleet management. First 4 years included in purchase price.

## **HYDRAULICS**

4 hydraulic auxiliary circuits, 3 of which have proportional control

Flow rates adjustable on the display

1<sup>st</sup> circuit: 3 memories, 2<sup>nd</sup>/4<sup>th</sup> circuit: 1 memory

1<sup>st</sup> hydraulic auxiliary circuit, with proportional control - max. 40 l / min

2<sup>nd</sup> hydraulic auxiliary circuit, with proportional control - max. 14,7 l / min

3<sup>rd</sup> hydraulic auxiliary circuit, for hydraulic quick change plate HUPPPlate H

4<sup>th</sup> hydraulic auxiliary circuit, with proportional control - max. 14,7 l / min

Detent Mode - breaker line continuous operation

Auto-Tank - depressurised return flow for breaker operation

Hydraulik tank ventilation

Pilot-opened load-holding valve on boom cylinder and arm cylinder

## **TECHNICAL AND SAFETY EQUIPMENT**

Double air filter - additional protection for the engine

Spring-loaded accumulator on parking brake

Spring-loaded accumulator on slew brake

Pressure accumulator for pressure relief of hydraulic circuits and emergency boom lowering

Central roof loading hook

Storage compartment with on-board toolkit

Acoustic overload warning device (EN474-5)

LED worklights

cabin: 2 x cab at front, 1 x boom

canopy: 2 x canopy at front, 1 x boom

Socket on cab roof for rotary beacon

Sun shield (only cabin version)



## MAIN DIMENSIONS

Service weight*(kg)	Canopy: 2.440 / Cabin: 2.580
Total width (mm)	1.500
Overall height (mm)	Canopy: 2.420 / Cabin: 2.490
Transport length - dozer blade at the rear (mm)	4.435
Digging depth (mm)	2.540
Reach (mm)	4.475
Arm length (mm)	1.210
Tail swing radius (mm)	825
Tracks	Rubber
Track width (mm)	250
Ground contact (mm)	1.510
Ground pressure (kg/cm <sup>2</sup> )	Canopy: 0,283 / Cabin: 0,297
Ground clearance (mm)	275
Dozer blade dimensions (mm)	1.500 x 300

\* Machine weight + PT + quick change plate + medium size bucket + half a tank of diesel

## ENGINE

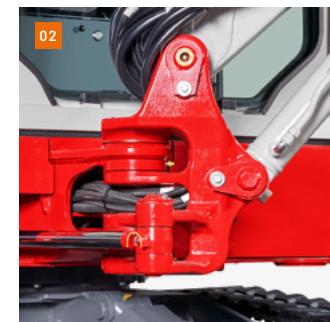
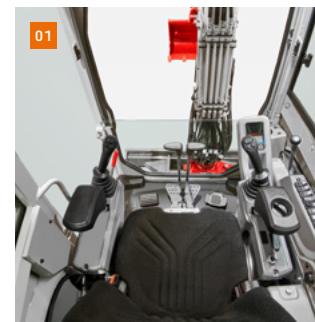
Type	YANMAR 3TNV82A 3-cylinder diesel engine Stage V emission level
Rated output ISO14396 (kW)	16,5 kW @ 2.200 rpm
Displacement (cm <sup>3</sup> )	1.330
Fuel tank (l)	31,2

## WORK PERFORMANCE

Travel speed (km/h)	2,5 (1 <sup>st</sup> gear) / 4,3 (2 <sup>nd</sup> gear)
Slew speed (rpm)	8,9
Gradeability (degrees/%)	25 / 47
Boom swing angle l / r (°)	70 / 55
Digging force bucket (kN)	19,3
Digging force arm (kN)	11,3
Digging force boom (kN)	13,2

## HYDRAULIC SYSTEM

Hydraulic pumps	Double axial piston pump + 2 gear pumps
Pump pressure (bar)	210 x 210 x 196 x 34
Flow rate (l/min)	25,3 x 25,3 x 14,7 x 9,9
Hydraulic tank (l)	25 (Tank) / 48 (total)
Slew motor type	Axial piston motor, rigid
Travel motor type	Axial piston motor, variable

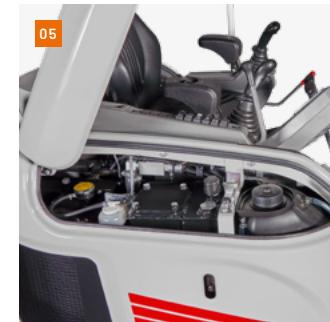
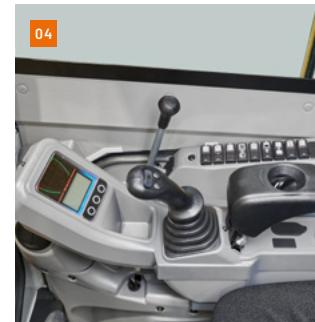


## AUXILIARY CONTROL CIRCUITS

1 <sup>st</sup> control circuit hydraulic breaker (l/min)	40
adjustable flow rate 3 memories for the flow rates	

2 <sup>nd</sup> /4 <sup>th</sup> control circuit Powertilt/grab (l/min)	14,7
adjustable flow rate 1 memory for the flow rate	



01 Sound-damped, low-vibration comfort cab with mechanically suspended, ergonomic comfort seat for fatigue-free working.

02 Robust boom swing assy with specially protected hose guide; lifting and swing cylinder with end position damping.

03 Generous maintenance hatch guarantees optimum accessibility for checking fluid levels, cleaning the radiator and carrying out maintenance work on the diesel engine.

04 Optimally positioned controls with new, scratch-resistant display made of tarnish-resistant laminated glass.

05 Additional opening flap for optimum access to the diesel tank, hydraulic tank and coolant reservoir.

06 Long stick arm with 4 control circuits as standard, 3 of which have proportional control, for a wide range of implements; load-holding valves on boom and arm cylinders.





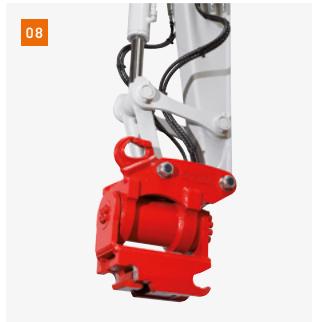
## 07 Hydraulic quick change plate HUPPPlate

## 08 Tilt device HUPPTilt with HUPPPlate H

## 09 Hydraulic breaker HUPPBreak 40

## 10 Universal grabber HUPPGRIP 40 with HUPPTilt tilt device

## 11 HUPPTilt wit HUPPPlate H, digging bucket mounted as high bucket



A close-up photograph of the rear wheel and suspension system of a red toy tractor. The wheel is black with a red hub, and the suspension arm is also red. The background is a plain, light color.

## 08 Tilt device HUPPTilt with HUPPPlate H

## 09 Hydraulic breaker HUPPBREAK 40

## 10 Universal grabber HUPPGRIP 40 w

tilt device

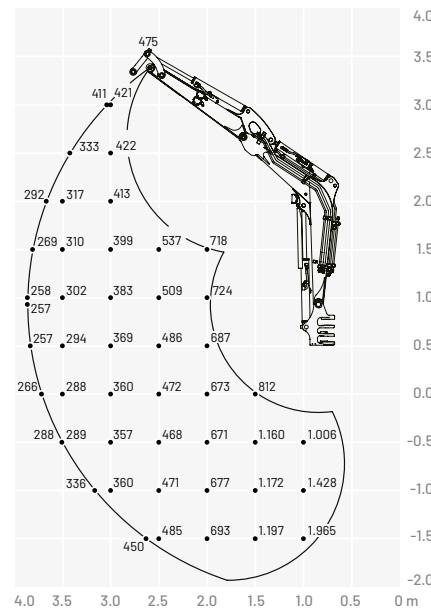
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## 11 HUPPTilt wit HUPPPlate H, digging bucket mounted as high bucket

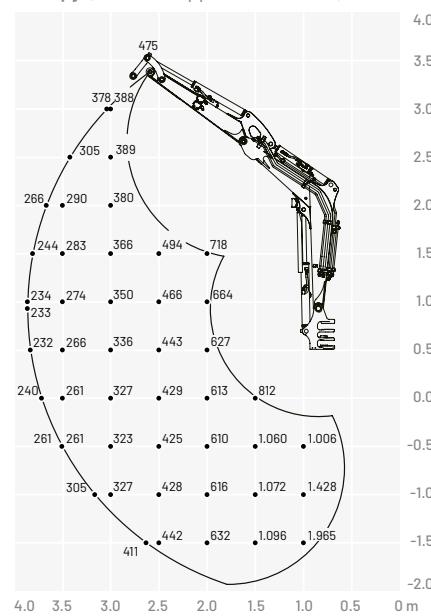


### Lifting load (kg)

### **Cabin (forward, upper dozer blade)**



### Canopy (forward, upper dozer blade)

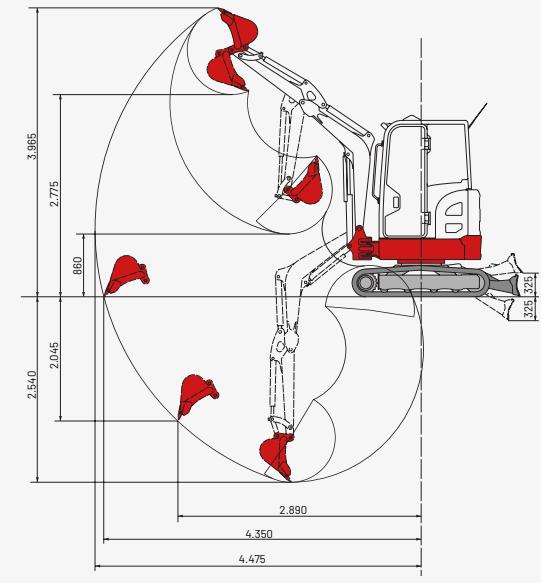
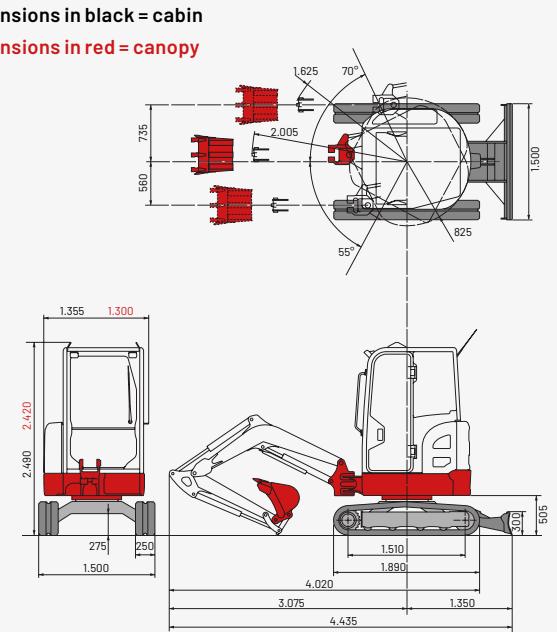


The loads in the diagram are within 87% of the hydraulic lifting load and within 75% of the tipping load.

### Dimensions (mm)

Dimensions in black = cabin

Dimensions in red = canopy



## Huppenkothen – your construction site, your partner, your success!

If you're looking to buy or rent a construction machine, if quality is important to you and you have no time to lose, then you've come to the right place with Huppenkothen. We provide all you need for your construction site. If you have any questions:

**We are always available.**

**42**

Locations

**410**

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Machines

**100 %**

Service

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