



**TAKEUCHI**

# **TB280FR**

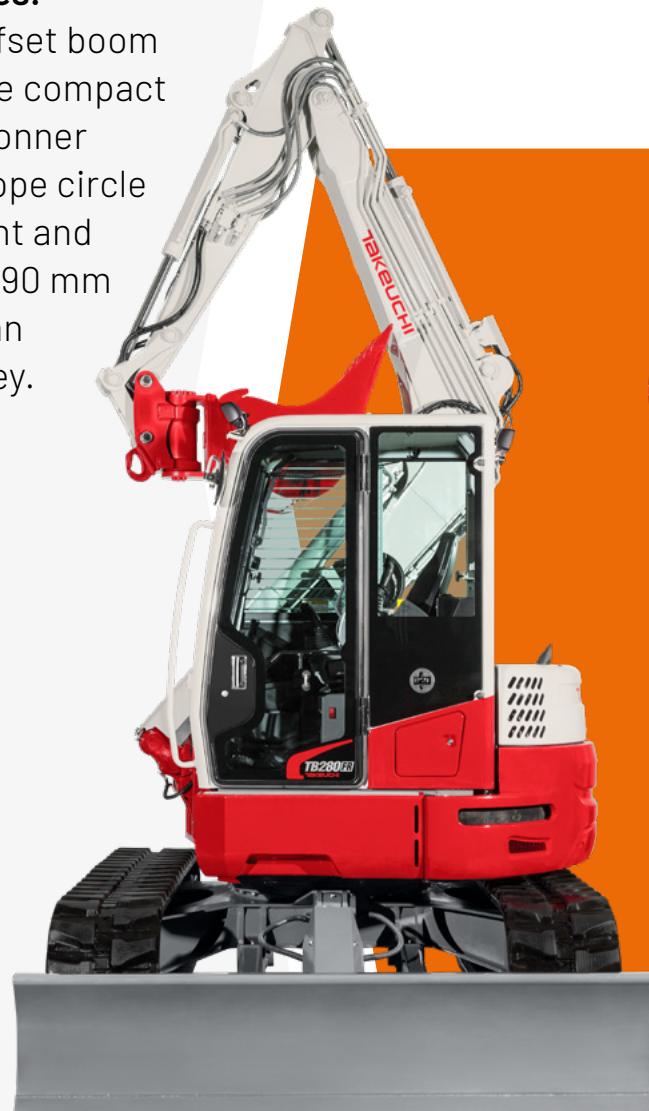
Zero tail midi-excavator

**The Takeuchi midi excavator TB280FR is specifically designed for unrestricted working on very confined construction sites.**

The patented side-to-side (STS) offset boom makes this zero tail excavator more compact than a short tail excavator. Our 9-tonner manages a 360° turn with an envelope circle of only 3.220 mm. To dig at the front and load a dumper at the rear, even 2.890 mm are enough and so the TB280FR can work perfectly even in a narrow alley.



- » 1<sup>st</sup> hydraulic circuit, with proportional control with 148 l/min High Flow
- » Electric refuelling pump
- » 5 LED worklights for optimum illumination of working area
- » Tilt-up cab for service-friendly access to engine and hydraulic components



**For three hours, two days or a whole year** - if you need it for your construction site, you can **buy and rent** your TB280FR 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.**

### 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. 148 l/min

2<sup>nd</sup> hydraulic auxiliary circuit, with proportional control - max. 59 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. 59 l/min

**Detent Mode** - breaker line continuous operation

**Auto-Tank** - depressurised return flow for breaker operation

**Automatic pressure relief of control circuits** when quick change plate is actuated

Hydraulic tank ventilation

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

End position damping at boom, arm and boom-offset cylinder



Exclusive additional equipment



Minimal envelope circle  
3.220 mm



Efficient



Adjustable powerhouse

### CAB WITH COMFORT EQUIPMENT

Comfort cabin including roof guard ROPS (ISO12117-2) / OPG (ISO10262 Level I) / TOP GUARD (ISO10262 Level II)

5,7" multifunction colour display

Electronically controlled air conditioning with 4 outlet nozzles

Heating and radio

Suspended comfort seat

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

ECO mode - to increase economic efficiency

Automatic idle speed control - optimised fuel consumption

Sun shield and rain guard

### TECHNICAL AND SAFETY EQUIPMENT

Double air filter - additional protection for the engine

Automatic hydraulic track tensioning

Spring-loaded accumulator on parking brake

Spring-loaded accumulator on slew brake

Electric refuelling pump

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

Storage compartment with on-board toolkit

Acoustic overload warning device (EN474-5)

### LED worklights

2 x cab at front, 2 x cab at rear, 1 x boom

Socket on cab roof for rotary beacon



### 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.



MAIN DIMENSIONS	
Service weight*(kg)	8.950
Total width(mm)	2.300
Overall height(mm)	2.725
Transport length - dozer blade at the rear (mm)	6.860
Digging depth(mm)	4.375
Reach(mm)	7.035
Arm length(mm)	1.830
Tail swing radius (mm)	1.280
Tracks	Rubber
Track width (mm)	450
Ground contact (mm)	2.210
Ground pressure (kg/cm <sup>2</sup> )	0,38
Ground clearance (mm)	315
Dozer blade dimensions (mm)	2.300 x 500

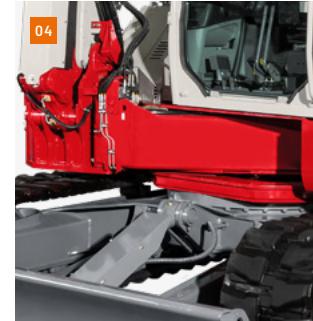
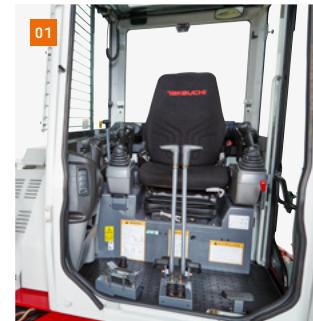
\* Machine weight + PT + quick change plate + medium size bucket + half a tank of diesel

ENGINE	
Type	YANMAR 4TNV98CT 4-cylinder Commonrail diesel engine, turbocharger, Stage V emission level
Exhaust aftertreatment	DPF and DOC
Rated output ISO14396 (kW)	51,6 kW @ 2.000 r.p.m.
Displacement(cm <sup>3</sup> )	3.318
Fuel tank (l)	100

WORK PERFORMANCE	
Travel speed(km/h)	2,7 (1 <sup>st</sup> gear) / 5,2 (2 <sup>nd</sup> gear)
Slew speed (rpm)	10
Gradeability (degrees/%)	30 / 58
Boom swing angle l/r (°)	30 / 15
Digging force bucket (kN)	46,7
Digging force arm (kN)	32,9
Digging force boom (kN)	23,3

HYDRAULIC SYSTEM	
Hydraulic pumps	Double axial piston pump + 2 gear pumps
Pump pressure (bar)	275 x 275 x 240 x 35
Flow rate (l/min)	74 x 74 x 59 x 15
Hydraulic tank (l)	71 (tank) / 147 (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) 3 memories for the flow rates	148
2 <sup>nd</sup> /4 <sup>th</sup> control circuit Powertilt / grab (l / min) 1 memory for the flow rate	59



01 Sound-damped, low-vibration comfort cab with suspension comfort seat.

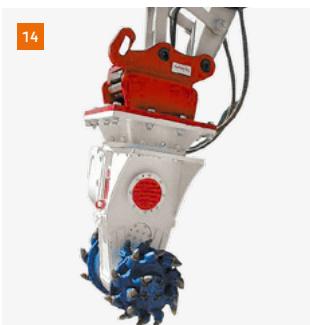
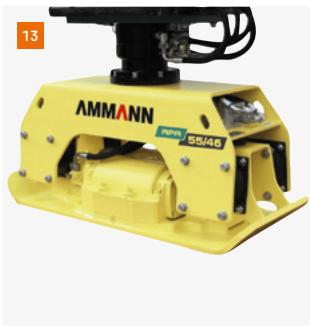
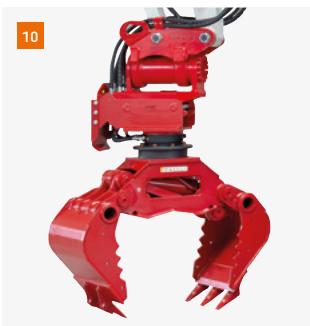
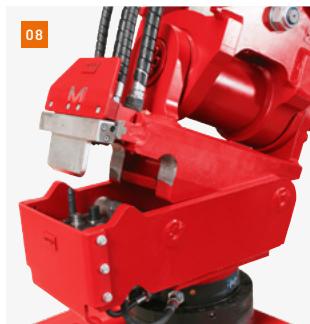
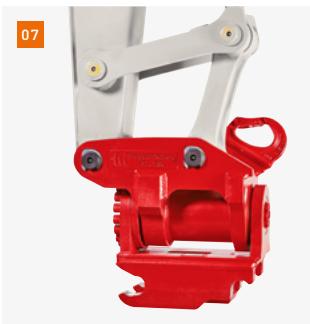
02 Large, clear and user-friendly display with visual and acoustic monitoring units.

03 Optimally arranged controls.

04 TAKEUCHI-patented, extremely robust lateral boom offset. Pictured with HUPPLub central lubrication system.

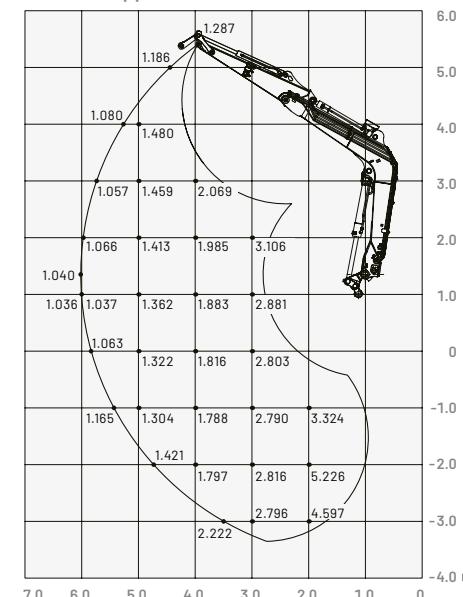
05 Tilt-up cab for service-friendly access to engine and hydraulic components.

06 Spacious engine compartment, providing convenient access for daily checks and routine maintenance points. Massive counterweight.

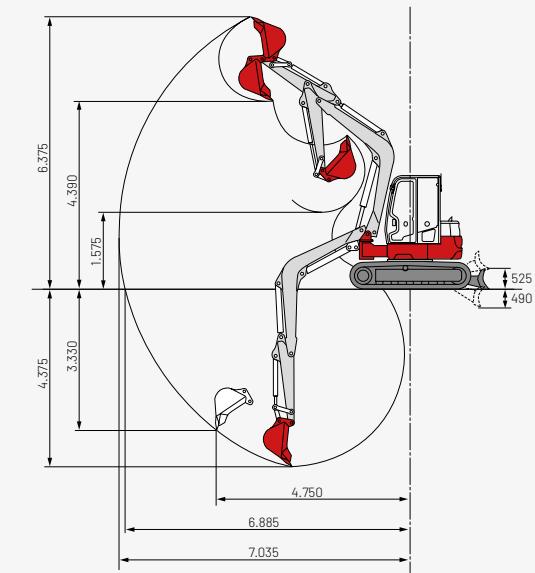
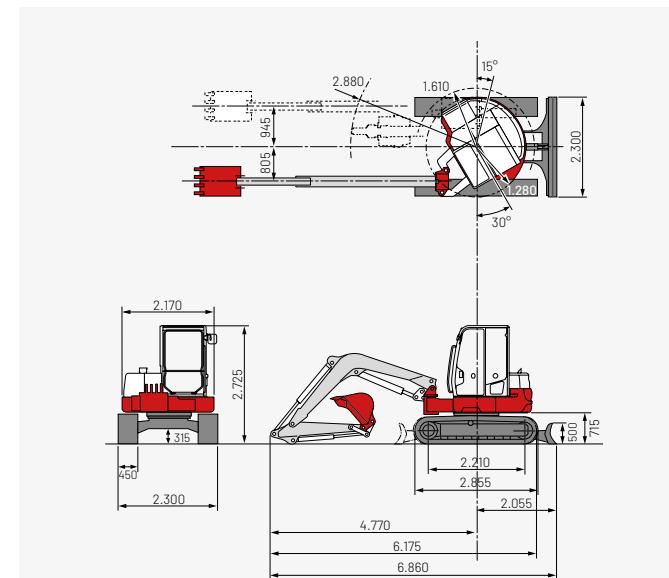


## Lifting load (kg)

### Forward, upper dozer blade



## Dimensions (mm)



The loads in the diagrams (on the left) are within 87% of the hydraulic lifting load and within 75% of the tipping load.

More accessories at  
[huppenkothen.com/excavator-accessories](http://huppenkothen.com/excavator-accessories)

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**We are always available.**

**42**

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Service

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product range

