

# EXCAVATOR

## WE45



### Specifications

#### Travel System

Travel motors	<b>KYB, Japan;</b>
Support roller quantities	<b>2×5</b>
Carrier roller quantities	<b>2×1</b>
Travel shoes	<b>2×35</b>
Travel speed	<b>2.7/4.4(km/h)</b>
Drawbar pulling force	<b>35kN</b>
Grade ability	<b>58%(30°)</b>
Track shoes thickness	<b>6mm</b>

#### Engine

Model	<b>YANMAR 4TNV88</b>
Type	<b>Direct injection, water cooled, natural intake</b>
No. of cylinder	<b>4</b>
Displacement	<b>2.19L</b>
Power output	<b>25.2kw/2200rpm</b>
Max. torque	<b>142N.m/1200rpm</b>

#### Hydraulic System

Pump	<b>KYB, Japan</b>
Type	<b>axial piston pump+ gear pump</b>
Max. discharge flow	<b>128 (L/min)</b>

# Specifications

## Max. discharge pressure

Boom, arm and bucket **24.5 MPa**

Travel circuit **15.7 MPa**

Swing circuit **15.7 MPa**

Control circuit **3.9 MPa**

Pilot control pump **Gear type**

Main control valves **KYB, Japan**

Oil cooler **Air cooled type**

## Cab & Electrical System

Cab **All-weather, sound-suppressed Cab and equipped with a heavy, insulated Floor Mat, Front Window can be opened and slided; adjustable Seat; LED display, Automatic monitoring, display**

Voltage **12V**

Batteries **1x12V**

Battery capacity **80Ah**

## Boom, Arm & Bucket

Boom cylinder **Φ90×Φ50×S552-L915**

Arm cylinder **Φ85×Φ50×S580-L920**

Bucket cylinder **Φ70×Φ45×S443-L745**

## Swing System

Swing motor **KYB, Japan**

Swing motor type **Axial-piston motor**

Brake **Hydraulic oil released**

Parking brake **Hydraulic disc brake**

Swing speed **12 r/min**

## Refilling Capacity & lubrication

Fuel tank **82 L**

Cooling system **12 L**

Engine oil **6L**

Hydraulic oil tank **59L Tank Oil Level / 85L Hydraulic System**

## Bucket

Bucket capacity **0.17m<sup>3</sup> (SAE)**

Bucket Capacity scope **0.069-0.24m<sup>3</sup>**

Number of bucket teeth **4**

Bucket width **640 mm**

## Working ranges

Boom length **2650mm**

Max. digging height **5030mm**

Max. dumping height **3390mm**

Max. digging depth **3390mm**

Max. vertical digging depth **2545mm**

Max. digging distance **5523mm**

Max. digging radius at ground level **5413mm**

Min swing radius of work equipment **2406mm**

## Digging Force (ISO6015)

Arm length **1450mm**

Bucket digging force **23.7 KN**

Arm digging force **21.6 KN**

## Overall Dimensions

Overall length **5385mm**

Ground contact length **3512mm**

Overall height(to top of boom) **1783mm**

Overall width **1750mm**

Overall height(to top of cab) **2455mm**

Counter weight ground clearance **600mm**

Min Ground clearance **350mm**

Tail swing radius **1561mm**

Track grounding length **1710mm**

Track length **2190mm**

Track gauge **1400mm**

Track width **1750mm**

Track Shoe width **350mm**

Counter weight height **850mm**

Revolving frame width **1600mm**

Distance from swing center to tail **1561mm**

## Operating Weight and Ground Pressure

Operating weight **4200 Kg**

Ground pressure **36 KPa**