

# EXCAVATOR

## WE20



## Specifications

### Travel System

Travel motors	Eaton
Support roller quantities	2×3
Carrier roller quantities	2×1
Travel shoes	No
Travel speed	2.2/4.2(km/h)
Drawbar pulling force	11.7kN
Grade ability	58%(30°)
Track shoes thickness	5mm

### Engine

Model	Yanmar 3TNV76
Type	Direct injection, water cooled, natural intake
No. of cylinder	3
Bore and stroke	70x74(mm)
Displacement	0.854L
Power output	15kw/2400rpm
Max. torque	50N.m/2000rpm

### Hydraulic System

Pump	CASAPPA
Type	Axial-piston pump+gear pump
Max. discharge flow	54 (L/min)

# Specifications

## Max. discharge pressure

Boom, arm and bucket **21 MPa**

Travel circuit **12 MPa**

Swing circuit **9 MPa**

Control circuit **3.9 MPa**

Pilot control pump **Gear type**

Main control valves **Hydro Control**

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**

Voltage **12V**

Batteries **1X12V**

Battery capacity **60Ah**

## Boom, Arm & Bucket

Boom cylinder **Φ60xΦ35xS440-L770**

Arm cylinder **Φ60xΦ35xS330-L600**

Bucket cylinder **Φ55xΦ30xS300-L560**

## Swing System

Swing motor **Eaton**

Swing motor type **Axial-piston motor**

Brake **No**

Swing speed **8.8 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

Fuel tank **32L**

Cooling system **8L**

Engine oil **4.4L**

Hydraulic oil tank **18L Tank Oil Level  
21L Hydraulic System**

## Bucket

Bucket capacity **0.04m<sup>3</sup> (SAE)**

Bucket Capacity scope **0.028-0.095m<sup>3</sup>**

Number of bucket teeth **4**

Bucket width **450 mm**

## Working ranges

Boom length **1830mm**

Max. digging height **3327mm**

Max. dumping height **2361mm**

Max. digging depth **2110mm**

Max. vertical digging depth **1600mm**

Max. digging distance **3947mm**

Max. digging radius at ground level **3889mm**

## Digging Force (ISO6015)

Arm length **950mm**

Bucket digging force **14.8 KN**

Arm digging force **10.2 KN**

## Overall Dimensions

Overall length **3867mm**

Overall width **1000mm**

Overall height(to top of boom) **1185mm**

Overall height(to top of cab) **2313mm**

Counter weight ground clearance **484mm**

Min. Ground clearance **175mm**

Tail swing radius **1072mm**

Track grounding length **1210mm**

Track length **1588mm**

Track gauge(extension 1090mm) **760mm**

Track Shoe width **230mm**

Revolving frame width **1000mm**

## Operating Weight and Ground Pressure

Operating weight includes basic machine

Operating weight **1800kg(with canopy) / 1900 Kg (with cab)**

Ground pressure **28 KPa**