

**SAMTRAC**inc.



CE

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

# EXCAVATOR

## WE20



### Specifications

#### Travel System

Travel motors	Eaton
Support roller quantities	2x3
Carrier roller quantities	2x1
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	<b>21 MPa</b>
Travel circuit	<b>12 MPa</b>
Swing circuit	<b>9 MPa</b>
Control circuit	<b>3.9 MPa</b>
Pilot control pump	<b>Gear type</b>
Main control valves	<b>Hydro Control</b>
Oil cooler	<b>Air cooled type</b>

## 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
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Voltage	<b>12V</b>
Batteries	<b>1X12V</b>
Battery capacity	<b>60Ah</b>

## Boom, Arm & Bucket

Boom cylinder	<b>Φ60xΦ35xS440-L770</b>
Arm cylinder	<b>Φ60xΦ35xS330-L600</b>
Bucket cylinder	<b>Φ55xΦ30xS300-L560</b>

## Swing System

Swing motor	<b>Eaton</b>
Swing motor type	<b>Axial-piston motor</b>
Brake	<b>No</b>
Swing speed	<b>8.8 r/min</b>

## Refilling Capacity & lubrication

Fuel tank	<b>82 L</b>
Cooling system	<b>12 L</b>
Engine oil	<b>6L</b>
Hydraulic oil tank	<b>59L Tank Oil Level / 85L Hydraulic System</b>

## Bucket

Fuel tank	<b>32L</b>
Cooling system	<b>8L</b>
Engine oil	<b>4.4L</b>
Hydraulic oil tank	<b>18L Tank Oil Level 21L Hydraulic System</b>

## Bucket

Bucket capacity	<b>0.04m<sup>3</sup> (SAE)</b>
Bucket Capacity scope	<b>0.028-0.095m<sup>3</sup></b>
Number of bucket teeth	<b>4</b>
Bucket width	<b>450 mm</b>

## Working ranges

Boom length	<b>1830mm</b>
Max. digging height	<b>3327mm</b>
Max. dumping height	<b>2361mm</b>
Max. digging depth	<b>2110mm</b>
Max. vertical digging depth	<b>1600mm</b>
Max. digging distance	<b>3947mm</b>
Max. digging radius at ground level	<b>3889mm</b>

## Digging Force (ISO6015)

Arm length	<b>950mm</b>
Bucket digging force	<b>14.8 KN</b>
Arm digging force	<b>10.2 KN</b>

## Overall Dimensions

Overall length	<b>3867mm</b>
Overall width	<b>1000mm</b>
Overall height(to top of boom)	<b>1185mm</b>
Overall height(to top of cab)	<b>2313mm</b>
Counter weight ground clearance	<b>484mm</b>
Min. Ground clearance	<b>175mm</b>
Tail swing radius	<b>1072mm</b>
Track grounding length	<b>1210mm</b>
Track length	<b>1588mm</b>
Track gauge(extension 1090mm)	<b>760mm</b>
Track Shoe width	<b>230mm</b>
Revolving frame width	<b>1000mm</b>

## Operating Weight and Ground Pressure

Operating weight includes basic machine	
Operating weight	<b>1800kg(with canopy) / 1900 Kg (with cab)</b>
Ground pressure	<b>28 KPa</b>

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Phone: 01222285782 - 01222100310  
Email : [wolf@samtracinc.com](mailto:wolf@samtracinc.com)  
75 Al Teroli Street, El-Salam City, Cairo, Egypt

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