

SAMTRACinc.



CE

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EXCAVATOR

WE45



Specifications

Travel System

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

Engine

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

Hydraulic System

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

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 **0.17m³ (SAE)**

Bucket Capacity scope **0.069-0.24m³**

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**

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