

EXCAVATOR

WE80



Specifications

Travel System

Travel motors	Eaton
Support roller quantities	2×6
Carrier roller quantities	2×1
Travel shoes	2×39
Travel speed	3.6/5.3(km/h)
Drawbar pulling force	63.5kN
Grade ability	70%(35°)
Track shoes thickness	8.5mm

Engine

Model	Yanmar 4TNV98T
Type	turbocharged; 4 stroke, direct injection, water cooled
No. of cylinder	4
Displacement	3.319L;
Power output	54.3kw/2200rpm
Max. torque	277 ~ 301N.m/1650±100 rpm

Hydraulic System

Pump	KPM
Type	variable double-piston pump
Max. discharge flow	2X79.2(L/min)

Specifications

Max. discharge pressure

Boom, arm and bucket	27.5 MPa
Travel circuit	23.5 MPa
Swing circuit	23.5 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	Cab installed with silicon oil rubber, adjustable luxurious seat, cold and warm air-conditioning system plus flexible pilot control system
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Voltage	12V
Batteries	1X12V
Battery capacity	120Ah

Boom, Arm & Bucket

Boom cylinder	Φ110×Φ75×S1000-L1480
Arm cylinder	Φ100×Φ65×S870-L1335
Bucket cylinder	Φ55×Φ90×S710-L1115

Swing System

Swing motor	KYB
Swing motor type	Axial-piston motor
Brake	Hydraulic oil released
Parking brake	Hydraulic disc brake
Swing speed	11 r/min

Refilling Capacity & lubrication

Fuel tank	135 L
Cooling system	18 L
Engine oil	10.5 L
Hydraulic oil tank	92 L Tank Oil Level / 128 L Hydraulic System

Bucket

Bucket capacity	0.34m ³ (SAE)
Bucket Capacity scope	0.105-0.51m ³
Number of bucket teeth	5
Bucket width	824 mm

Working ranges

Boom length	3905mm
Max. digging height	7280mm
Max. dumping height	4970mm
Max. digging depth	4265mm
Max. vertical digging depth	3200mm
Max. digging distance	6800mm
Max. digging reach at ground level	6665mm
Min swing radius of work equipment	2160mm

Digging Force (ISO6015)

Arm length	1750mm
Bucket digging force	60.8 KN
Arm digging force	47.1 KN

Overall Dimensions

Overall length	6470mm
Ground contact length	3400mm
Overall height(to top of boom)	2545mm
Overall width	2250mm
Overall height(to top of cab)	2600mm
Counter weight ground clearance	820mm
Min Ground clearance	403mm
Tail swing radius	1870mm
Track grounding length	2200mm
Track length	2785mm
Track gauge	1800mm
Track width	2250mm
Track Shoe width	450mm
Counter weight height	1785mm
Revolving frame width	2195mm
Distance from swing center to tail	1870mm

Operating Weight and Ground Pressure

Operating weight	8080 Kg
Ground pressure	39 KPa