



WOLF



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WOLF **EXCAVATOR**



EXCAVATOR USAGE SCENARIOS



COMMITTED TO EFFICIENCY

Designed to last, WOLF Excavators are manufactured with high international standards that are built to withstand harsh working conditions. Years of experience in components integration has given us the capability to architect our range of WOLF Excavators to comply with different operation requirements.

Upon careful selection of premium parts and components from all over the world, this powerful workhorse is engineered to maximize the capacity of every mechanism for optimal performance with high efficiency.



EXCAVATOR WE08



Specifications

Operating Weight	880kg
Digging bucket capacity	0.025cbm
Digging bucket width	400mm
Engine	KD192F-1 E5
Rated power	7kw
Displacement	6.8ml/r
Bore stroke	single cylinder, fan cool
Main pump	JINXING
Pump flow	16L/min
Hydraulic oil tank capacity	16.5L
Engine oil tank capacity	2.8(1.3)L
Diesel tank capacity	7 L
Working pressure	16Mpa
Valve	BEIFANG
Swing motor	KEERSEN
Traveling motor	USA EATON
Hydraulic oil tank	16.5L
Diesel oil tank	7L
Arm digging force	5.0Kn
Bucket digging force	9.5Kn
Electric pressure	12V
Electrick power	5W

MAIN DIMENSIONS

Overall dimension(LxWxH)	2770×896×1490 mm
Wheelbase	910 mm
Total length of track on land	1230mm
Platform ground clearance	380 mm
Platform back turning radius	784 mm
Chassis width	896 mm
Track width	180 mm
Chassis ground clearance	132 mm
Track height	320 mm

OPERATING RANGE

Max. Digging depth	1650 mm
Max. Vertical digging depth	1375 mm
Max. Digging height	2610 mm
Max. Dumping height	1850 mm
Max. Digging radius on ground	2850 mm
Min. Rotation radius	1330 mm
Max. Upgrade height of bulldozer blade	345 mm
Max. Digging depth of bulldozer blade	255 mm



EXCAVATOR WE10



Specifications

Engine	KD192F-1 E5
Rated power	7kw
Displacement	6.8ml/r
Bore stroke	single cylinder, fan cool

Main Performance

Swing Speed (r/min)	0-13
Traveling Speed (km/H)	2
Grade ability (%)	30°
Traveling Tracking Force (kN)	8.3
Bucket Digging Force (kN)	7.2
Arm Digging Force (kN)	4.6

Hydraulic System

Hydraulic system working pressure (Mpa)	16
Hydraulic Pump (Gear Pump)	Gear Pump
Hydraulic pump flow (L/min)	18
Fuel Tank Capacity (L)	26
Hydraulic Tank Capacity (L)	14.5 in Hydraulic tank 21.5 in Hydraulic system

Overall Dimensions

Overall Length (mm)	2840
Overall Width (mm)	880
Overall Height (mm)	2200
Counterweight Ground clearance (mm)	385
Axle Base (mm)	900
Track width (mm)	180
Undercarriage width (mm)	840
Undercarriage ground clearance (mm)	132

Operation parameters

Operation Weight (KG)	950
Bucket Capacity (m3)	0.023
Max. Digging Radius (mm)	3065
Max. Digging Depth (mm)	1715
Max. Digging Height (mm)	2600
Max. Dumping Height (mm)	1830
Tail Swing Radius(mm)	800

Advantages

1. Small size and easy to transport, could be loaded onto light truck or small trailer, six sets could be loaded into one 20GP container to save freight cost.
2. Famous brand hydraulic system parts ensure the stable quality.
3. Boom deflection design meet narrow work condition, reinforced rubber track to protect road
4. Extend hydraulic line for various attachments.
5. Comfort seat make operator easy to work.
6. Could be widely used in gardening, orchard, farming, basement reconstruction, waste residue carrying in coal washing factory, papermaking factory etc. and could replace 4~5 manpower.



EXCAVATOR WE16



Specifications

Operating Weight	1600kg
Digging bucket capacity	0.045cbm/400kg
Digging bucket width	400mm, can add narrow bucket is 200mm
Engine	Yanmar 3TNV70
Rated power	10kw/2200/r/min
Displacement	0.854L
Bore stroke	three cylinder, water cool
Main pump	PERMCO
Valve	PERMCO
Displacement	6.8ml/r
Swing motor	EATON
Traveling motor	KERSEN

MAIN DIMENSIONS

Overall dimension(LxWxH)	3290×1050×2400mm
Total length of track on land	1670mm
Platform ground clearance	460 mm
Platform back turning radius	740 mm
Chassis width	1050 mm
Track width	180 mm
Chassis ground clearance	460 mm
Track height	410 mm

OPERATING RANGE

Max. Digging depth	2150 mm
Max. Vertical digging depth	1740 mm
Max. Digging height	2275 mm
Max. Dumping height	2310 mm
Max. Digging radius on ground	3470 mm
Min. Rotation radius	1440 mm
Max. Upgrade height of bulldozer blade	285 mm
Max. Digging depth of bulldozer blade	195 mm



EXCAVATOR WE18



Specifications

Engine

Model	Laidong KM385B 18.1kW/2200rpm KUBOTA D1105 14.2kw/2200rpm
Type	Direct injection, water cooled, natural intake
No. of cylinder	3

Main Performance

Swing Speed (r/min)	10-12
Traveling Speed (km/H)	2.8
Grade ability (%)	70(35°)
Traveling Tracking Force (kN)	15
Bucket Digging Force (kN)	11.5
Arm Digging Force (kN)	9.3

Hydraulic System

Hydraulic system working pressure (Mpa)	16
Hydraulic Pump (Gear Pump)	TJHD
Hydraulic pump flow (L/min)	2×22+8.8
Swing Motor	Eaton
Traveling Motor	Eaton
Fuel Tank Capacity (L)	26
Hydraulic Tank Capacity (L)	27

Overall Dimensions

Overall Length (mm)	3800
Overall Width (mm)	1050
Overall Height (mm)	2280
Ground clearance (mm)	485
Track length (mm)	1630
Track width (mm)	230
Undercarriage width (mm)	1050
Undercarriage ground clearance (mm)	235
Dozer Blade (mm)	1050×240

Operation parameters

Operation Weight (KG)	1800
Bucket Capacity (m3)	0.1
Max. Digging Radius (mm)	3860
Max. Digging Depth (mm)	2050
Max. Digging Height (mm)	3370
Max. Dumping Height (mm)	2390
Max. Dozer Cutting (mm)	270
Max. Dozer Lifting (mm)	235
Boom Deflexion (Left/Right) (°)	75/45
Tail Swing Radius (mm)	1125
Front Min. Swing Radius (mm)	1720

Advantages

1.Small size and easy to transport, could be loaded onto light truck or small trailer, four sets could be loaded into one 20GP container to save freight cost.

2.Special design on separating engine and radiation space, using enhanced cooling fan to increase cooling efficiency

3.Famous brand hydraulic system parts ensure the stable quality.

4.Equipped with double fuel filter to guarantee fuel purity to protect engine

5.Boom deflexion design meet narrow work condition, reinforced rubber track to protect road

6.Extend hydraulic line for various attachments.

7.Comfort seat make operator easy to work.

8.Cabin with heater is optional.

9.Could be widely used in gardening, orchard, farming, basement reconstruction, waste residue carrying in coal washing factory, papermaking factory etc. and could replace 4~5 manpower.

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 **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 **0.04m³ (SAE)**

Bucket Capacity scope **0.028-0.095m³**

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**

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**

EXCAVATOR

WE60



Specifications

Travel System

Travel motors	KYB, Japan;
Support roller quantities	2×5
Carrier roller quantities	2×1
Travel shoes	2×37
Travel speed	2.5/4.0(km/h)
Drawbar pulling force	50.4kN
Grade ability	70%(30°)
Track shoes thickness	6mm

Engine

Model	Yanmar 4TNV94L
Type	Direct injection, 4 stroke, water cooled, natural intake
No. of cylinder	4
Displacement	3.054L
Power output	36.2kw/2100rpm
Max. torque	193.2 ~ 210.6N.m/1260±100 rpm

Hydraulic System

Pump	KYB, Japan
Type	axial piston pump+ gear pump
Max. discharge flow	160 (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	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	80Ah

Boom, Arm & Bucket

Boom cylinder	Φ110×Φ65×S720-L1095
Arm cylinder	Φ85×Φ55×S880-L1280
Bucket cylinder	Φ80×Φ50×S600-L925

Swing System

Swing motor	KYB, Japan
Swing motor type	Axial-piston motor
Brake	Hydraulic oil released
Parking brake	Hydraulic disc brake
Swing speed	10 r/min

Refilling Capacity & lubrication

Fuel tank	125 L
Cooling system	15 L
Engine oil	10.5 L
Hydraulic oil tank	78 L Tank Oil Level / 100 L Hydraulic System

Bucket

Bucket capacity	0.22m³ (SAE)
Bucket Capacity scope	0.072-0.25m³
Number of bucket teeth	5
Bucket width	750 mm

Working ranges

Boom length	3050mm
Max. digging height	5889mm
Max. dumping height	4201mm
Max. digging depth	3812mm
Max. vertical digging depth	3008mm
Max. digging distance	6257mm
Max. digging radius at ground level	6102mm
Min swing radius of work equipment	2585mm

Digging Force (ISO6015)

Arm length	1580mm
Bucket digging force	36.7 KN
Arm digging force	26.1 KN

Overall Dimensions

Overall length	5943mm
Ground contact length	3375mm
Overall height(to top of boom)	1995mm
Overall width	2000mm
Overall height(to top of cab)	2619mm
Counter weight ground clearance	740mm
Min Ground clearance	360mm
Tail swing radius	1745mm
Track grounding length	2000mm
Track length	2665mm
Track gauge	1600mm
Track width	2000mm
Track Shoe width	400mm
Counter weight height	1062mm
Revolving frame width	1790mm
Distance from swing center to tail	1745mm

Operating Weight and Ground Pressure

Operating weight	5820 Kg
Ground pressure	34 KPa

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**

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 **0.34m³ (SAE)**

Bucket Capacity scope **0.105-0.51m³**

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**



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