



R17Z-9A SPECIFICATIONS

Net Power 15.8 hp
(11.8 kW) at
2,300 rpm

Operating Weight
1,780 kg (3,920 lb)

Bucket Breakout Force
(ISO) 1,580 kgf /
3,490 lbf

Arm Digging Force
(ISO) 870 kgf /
1,920 lbf

ENGINE

| | | | |
|---------------------|--------------------------------------|---------------|------------------------------|
| MODEL | KUBOTA D902 | | |
| Type | T4 final, 3 cylinder diesel | | |
| Rated flywheel | SAE | J1995 (gross) | 16.8 hp (12.5kw) @ 2,300 rpm |
| | | J1349 (net) | 15.8 hp (11.8kw) @ 2,300 rpm |
| Max. torque | 5.6 kgf-m (40.5 lbf-ft) at 1,900 rpm | | |
| Bore X stroke | 72 mm (2.83") x 73.6 mm (2.90") | | |
| Piston displacement | 898 cc (54.79 in ³) | | |
| Battery | 1 x 12 V x 45 Ah | | |
| Starting motor | 12 V – 1.2 kW | | |
| Alternator | 12 V – 40 Amp | | |

HYDRAULIC SYSTEM

| | |
|----------------------------|--|
| MAIN PUMP | |
| Type | Variable displacement piston pumps + gear pump |
| Max. flow | 2 x 18.8 ℓ/min (5 gpm) + 11.3 ℓ/min (3 gpm) + 6.8 ℓ/min (1.8 gpm) at 2,500 rpm |
| Sub-pump for pilot circuit | Gear pump |

CROSS-SENSING AND FUEL-SAVING PUMP SYSTEM

| | |
|------------------|---|
| HYDRAULIC MOTORS | |
| Travel | Two-speed axial piston motor with counter balance valve and parking brake |
| Swing | Axial piston motor with automatic brake |

RELIEF VALVE SETTING

| | |
|--------------------|-------------------------------------|
| Implement circuits | 210 kgf/cm ² (2,990 psi) |
| Travel circuit | 210 kgf/cm ² (2,990 psi) |
| Swing circuit | 135 kgf/cm ² (1,920 psi) |
| Pilot circuit | 30 kgf/cm ² (430 psi) |
| Service valve | Installed |

HYDRAULIC CYLINDERS

| | |
|--|--|
| No. of cylinders bore X stroke | Boom: 60 x 440 mm (2.3" x 17.3") |
| | Arm: 60 x 353 mm (2.3" x 13.8") |
| | Bucket: 55 x 320 mm (2.16" x 12.59") |
| | Boom swing: 55 x 355 mm (2.16" x 13.97") |
| | Dozer blade: 65 x 115 mm (2.6" x 4.5") |
| Extension: 55 x 310 mm (2.16" x 12.2") | |

TRAVEL SYSTEM

| | |
|----------------------------------|---|
| Drive method | Full hydrostatic type |
| Drive motor | Axial piston motor, in-shoe design |
| Reduction system | Planetary reduction gear |
| Max. drawbar pull | 1,420 kgf (3,130 lbf) |
| Max. travel speed (high) / (low) | 2.2 km/hr (1.4 mph) / 4.1 km/hr (2.5 mph) |
| Gradeability | 30° (58%) |
| Parking brake | Multi-wet disc |

CONTROLS

Pilot-pressure-operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

| | |
|-----------------|---|
| Pilot control | Two joysticks with one safety lever (LH): Arm swing, boom swing (RH): Boom and bucket (ISO) |
| Engine throttle | Mechanical, cable type |

SWING SYSTEM

| | |
|---------------------------|-----------------------|
| Swing motor | Orbit motor |
| Swing bearing lubrication | Lubricated with drain |
| Swing speed | 9.5 rpm |

COOLANT AND LUBRICANT CAPACITY

| (Refilling) | liter | gal |
|------------------|-------|-----|
| Fuel tank | 20 | 5.3 |
| Engine coolant | 3.5 | 0.9 |
| Engine oil | 3.7 | 1.0 |
| Hydraulic tank | 13 | 3.4 |
| Hydraulic system | 23 | 6.1 |

WEIGHT (APPROXIMATE)

Operating weight, including 1,800 mm (5' 11") boom, 960 mm (3' 2") arm, SAE heaped 0.04 m³ (0.05 yd³) excavator bucket, 230 mm (9") rubber track, lubricant, coolant, full fuel tank, hydraulic tank, 268 kg (590 lb) counterweight and the standard equipment.

| | |
|---------------------------|------------------------------------|
| Operating weight (canopy) | 1,780 kg (3,920 lb) |
| Ground pressure (canopy) | 0.26 kg/cm ² (3.70 psi) |

UNDERCARRIAGE













Center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, track adjusters with shock absorbing springs and sprockets, and rubber shoes.

| | |
|----------------------------------|------------------------|
| Track frame | Variable undercarriage |
| No. of track roller on each side | 3 |

R17Z-9A Lifting Capacity ISO Condition 2

 Rating over front  Rating over side or 360 degrees

Boom: 1.80 m (5' 11") / Arm: 0.96 m (3' 2") / Bucket: 0.04 m³ (0.05 yd³) SAE heaped / Dozer down / Rubber track 230 mm (9") / Counterweight 268 kg (590 lb)

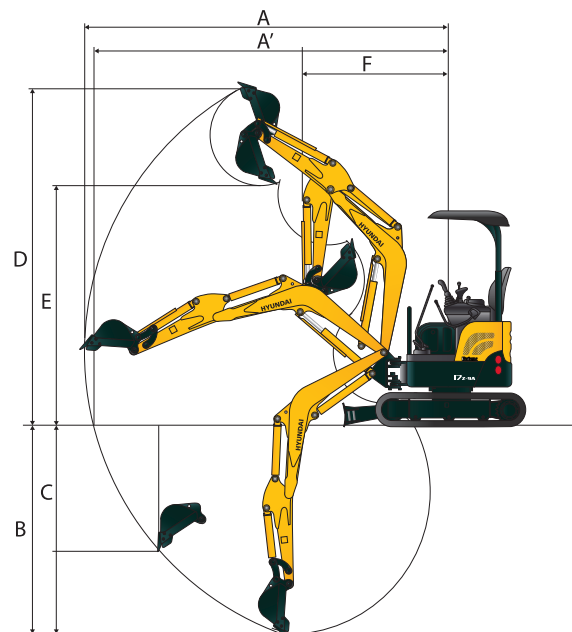
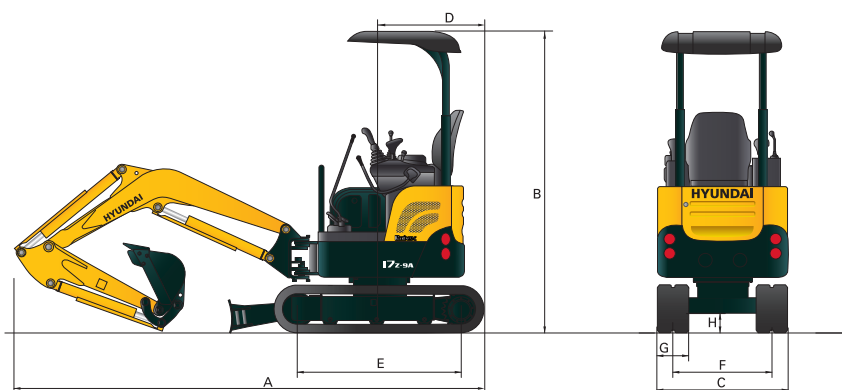
| Lift-point height m (ft) | | Lift-point radius | | | | | | | | | | At max. reach | | | |
|--------------------------|----|---|---|---|---|---|---|---|---|---|---|---|---|-------|--------|
| | | 1.0 m (3.3 ft) | | 1.5 m (4.9 ft) | | 2.0 m (6.6 ft) | | 2.5 m (8.2 ft) | | 3.0 m (9.8 ft) | | Capacity | | Reach | |
| | |  |  |  |  |  |  |  |  |  |  |  |  | m(ft) | |
| 2.5 m | kg | | | | | | | *360 | *360 | | | | *340 | *340 | 2.70 |
| 8.2 ft | lb | | | | | | | *800 | *800 | | | | *740 | *740 | (8.9) |
| 2.0 m | kg | | | | | | | *370 | *370 | *370 | 290 | | *320 | 280 | 3.04 |
| 6.6 ft | lb | | | | | | | *830 | *830 | *830 | 640 | | *700 | 620 | (10.0) |
| 1.5 m | kg | | | *730 | *730 | *510 | *510 | *430 | 380 | *390 | 290 | | *320 | 250 | 3.25 |
| 4.9 ft | lb | | | *1,610 | *1,610 | *1,130 | *1,130 | *940 | 840 | *860 | 630 | | *700 | 550 | (10.6) |
| 1.0 m | kg | | | | | *680 | 510 | *500 | 370 | *420 | 280 | | *330 | 240 | 3.34 |
| 3.3 ft | lb | | | | | *1,500 | 1,130 | *1,100 | 810 | *920 | 620 | | *730 | 520 | (11.0) |
| 0.5 m | kg | | | | | *800 | 490 | *560 | 360 | *450 | 270 | | *360 | 230 | 3.34 |
| 1.6 ft | lb | | | | | *1,770 | 1,080 | *1,240 | 780 | *990 | 600 | | *790 | 520 | (10.9) |
| 0.0 m | kg | | | *580 | *580 | *830 | 480 | *590 | 350 | *460 | 270 | | *410 | 240 | 3.24 |
| 0.0 ft | lb | | | *1,290 | *1,290 | *1,830 | 1,060 | *1,310 | 770 | *1,010 | 590 | | *900 | 530 | (10.6) |
| -0.5 m | kg | *720 | *720 | *1,000 | 770 | *790 | 480 | *570 | 350 | *430 | 270 | | *420 | 270 | 3.03 |
| -1.6 ft | lb | *1,580 | *1,580 | *2,210 | 1,700 | *1,740 | 1,060 | *1,260 | 760 | *940 | 590 | | *920 | 590 | (9.9) |
| -1.0 m | kg | *1,110 | *1,110 | *970 | 780 | *680 | 480 | *490 | 350 | | | | *420 | 320 | 2.68 |
| -3.3 ft | lb | *2,440 | *2,440 | *2,140 | 1,720 | *1,500 | 1,070 | *1,070 | 770 | | | | *930 | 700 | (8.8) |
| -1.5 m | kg | | | *630 | *630 | *430 | *430 | | | | | | *400 | *400 | 2.08 |
| -4.9 ft | lb | | | *1,390 | *1,390 | *950 | *950 | | | | | | *870 | *870 | (6.8) |

Notes: 1. Lifting capacities are based on ISO 10567.
2. Lifting capacities of the 9A Series do not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The lift-point is a hook (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.

DIMENSIONS & WORKING RANGE

R17Z-9A DIMENSIONS



R17Z-9A DIMENSIONS

| | mm (ft-in) | | mm (ft-in) |
|----------------------------|---|---------------------------|-----------------------|
| A Overall length | 3,480 (11'4") | E Tumbler distance | 1,230 (4'0") |
| B Overall height | 2,320 (7'7") | F Track gauge | 760~1,070 (2'6"~3'5") |
| C Overall width | 990~1,300 (3'2" - 4'2") | G Track shoe width | 230 (0'9") |
| D Tail swing radius | 645 (2'11") 720 (2'3") (With additional counterweight) | H Ground clearance | 440 mm (1'5") |

R17Z-9A WORKING RANGE

| | mm (ft-in) | mm (ft-in) |
|---|---------------|---------------|
| Boom length | 1,800 (5'11") | |
| Arm length | 960 (3'2") | 1,120 (3'8") |
| A Max. digging reach | 3,900 (12'7") | 4,030 (13'2") |
| A' Max. digging reach on ground | 3,800 (12'4") | 3,940 (12'9") |
| B Max. digging depth | 2,200 (7'2") | 2,350 (7'7") |
| C Max. vertical wall digging depth | 1,320 (4'3") | 1,460 (6'3") |
| D Max. digging height | 3,580 (11'7") | 3,680 (12'0") |
| E Max. dumping height | 2,570 (8'4") | 2,670 (8'7") |
| F Min. swing radius | 1,570 (5'1") | 1,600 (5'2") |

STANDARD EQUIPMENT

Canopy TOPS ISO 12117
(ROPS ISO 12117-2)
FOG ISO 10262 Level I
(FOPS ISO 3449 Level I)

Centralized monitoring

Gauges
Fuel-level gauge
Engine coolant temperature gauge

Proportional control switch

Warning indicator

Quick clamp
Engine oil pressure
Engine coolant temperature
Preheat
Low battery
Fuel level

One key

Mechanical suspension seat with seat belt
Console box tilting system (LH)
One front working light
Electric horn

Battery (1 x 12 V x 45 AH)

Battery master switch
Removable reservoir tank
Water separator, fuel line
Mono boom (1.80 m / 5' 11")
Arm (0.96 m / 3' 2")
Rubber track shoes (230 mm / 9")
Double-acting piping
Travel alarm
Pattern-change lever
Quick coupler and piping
Additional counterweight (414 kg / 177 lbs)
Hyundai bucket (0.04 m³ / 0.05 yd³)

OPTIONAL EQUIPMENT

Accumulator

Long arm (1.12 m / 3' 8")

Specifications and features are subject to change without notice.
Pictures may show options other than standard equipment.

building a
comfortable
tomorrow



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