U27-4 OPTIONS

# STANDARD EQUIPMENT

**Safety system**

* Travel lock system
* Fully locked hydraulic system
* Swivel motor with disc brake
* Travel alarm

### Working equipment

* 2 working lights on canopy and 1 light on the boom
* Auxiliary hydraulic circuit 1 and 2 with proportional control and oil flow adjust dial

### Operator’s space

* Weight-adjustable suspension seat (PVC seat)
* Retractable seat belt
* Hydraulic pilot control levers with wrist rests
* Digital panel with diagnosis function
* ROPS/OPG (Top Guard Level I) canopy
* Switch and harness for beacon light
* 12V power outlet
* Two pattern selection system
* Cup holder
* Horn

### Engine/Fuel system

* KUBOTA original engine
* Double-element air cleaner
* Fuel level indication buzzer
* Electric fuel feeding pump

### Undercarriage

* 2-speed travel
* Double flange track roller
* Short pitched rubber crawler
* Auto down shift

### Hydraulic system

* Variable displacement pump
* Auxiliary hydraulic circuit piping to the arm's end
* AUX 1 &2 proportional flow control of auxiliary circuit
* AUX oil flow adjust dial
* Third line hydraulic direct return for AUX 1
* Straight travel circuit
* Hydraulic pressure checking ports

### Others

* Tool storage space

# OPTIONAL EQUIPMENT

* + Safety valve for boom and arm
	+ Battery isolator support kit
	+ Foot pedal

 G H

E F

## WORkINg RANgE

 C A

 D B

|  |  |
| --- | --- |
| Model | U27-4 |
| A | Max. digging height | mm | 4370 |
| B | Max. dumping height | mm | 3100 |
| C | Max. digging depth | mm | 2820 |
| D | Max. vertical digging depth | mm | 2580 |
| E | Max. digging radius at ground | mm | 4630 |
| F | Max. digging radius | mm | 4740 |
| G | Min. turning radius | W/O swing | mm | 1970 |
| W swing | mm | 1539 |
| H | Min. tail turning radius | mm | 790 |

**LIFTINg CAPACITY**

|  |  |  |
| --- | --- | --- |
| LIFT POINT HEIGHT(m) | LIFTING CAPACITY OVER-FRONT BLADE DOWNunit = kg | LIFTING CAPACITY OVER-SIDEunit = kg |
| LIFT POINT RADIUS (m) | LIFT POINT RADIUS (m) |
| 2.5 | 3.5 | MAX | 2.5 | 3.5 | MAX |
| GL | 2.5 | – | 400 | – | – | 300 | – |
| 1.5 | 560 | 440 | 420 | 480 | 290 | 230 |
| 0.5 | 800 | 510 | 440 | 440 | 280 | 230 |
| 0 | 850 | 530 | – | 440 | 270 | – |

 Lift Point Radius

Lift Point

Lift Point Height

Axis of Rotation

Machine with canopy and rubber crawler, without bucket

## SPECIFICATIONS

|  |  |
| --- | --- |
| Model | U27 |
| Type of ROPS / FOPS | Canopy |
| Type of tracks | Rubber |
| Engine | Model | Kubota D1105-BH |
| Output (SAE J1995 gross) | HP (kW)/rpm | 20.8 (15.5) / 2400 |
| Output (SAE J1349 net) | HP (kW)/rpm | 20.0 (14.9) / 2400 |
| Displacement | cc | 1123 |
| Dimensions | Overall length | mm | 4100 |
| Overall height | mm | 2420 |
| Overall width | mm | 1500 |
| Min. ground clearance | mm | 307 |
| Hydraulic system | Pump capacity | /min. | 28.8 variable  2 / 19.2 gear  1 |
| Auxiliary hydraulic flow AUX1 / AUX2 | /min. | 48.0 / 19.2 |
| Max. breakout force Bucket / Arm | kgf | 2645 / 1260 |
| Drive system | Travel speed Low / High | km/h | 2.6 / 4.3 |
| Max. traction force | kgf | 3069 |
| Tumbler distance | mm | 1560 |
| Crawler length | mm | 1990 |
| Shoe width | mm | 300 |
| Ground contact pressure | kPa (kgf/cm2) | 22.9 (0.23) |
| Swing system | Unit swing speed | rpm | 9.9 |
| Boom swing angle Left / Right | degree | 75 / 55 |
| Blade | Dimensions Width / Height | mm | 1500 / 300 |
| Max. lift above ground | mm | 360 |
| Max. drop below ground | mm | 320 |
| Hydraulic oil (reservoir/system) | 22 / 37 |
| Fuel reservoir | 33 |
| Operating weight (Including operator’s weight @ 75 kgs) | kgs | 2570 |

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. Please contact your local Kubota dealer for warranty infomation. For your safety, Kubota strongly recommends the use of a Rollover Protective structure (ROPS) and seat belt in almost all applications.

## DIMENSIONS

 1560

4100

2420

Unit: mm

615 600

1500

1350

1500

320 360