



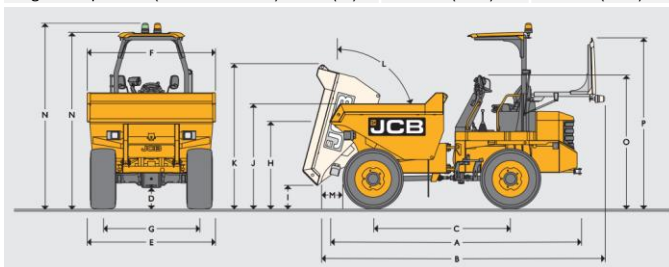
# 6T & 9T

## QUICK REFERENCE GUIDE

This Quick Reference Guide DOES NOT replace the Operators Manual. You MUST read ALL the disclaimers and safety and other instructions in the Operators Manual before initially operating this product. Accordingly, no legal claims can be entertained based on the data, illustrations or descriptions in this Quick Reference Guide.

### Static Dimensions

|                                          |           | 6T-I Swivel Tip | 9T-I Front Tip |
|------------------------------------------|-----------|-----------------|----------------|
| Overall length                           | ft-in (m) | 16-7 (5.05)     | 16-1 (4.91)    |
| Overall length (ROPS or FOPS folded)     | ft-in (m) | 17-4 (5.28)     | 16-10 (5.14)   |
| Wheelbase                                | ft-in (m) | 8-2 (2.48)      | 8-10 (2.68)    |
| Minimum ground clearance                 | ft-in (m) | 1-0 (0.31)      | 1-2 (0.36)     |
| Total width (normal/thin tires)          | ft-in (m) | 7-5 (2.26)      | 7-10 (2.38)    |
| Bucket width                             | ft-in (m) | 6-7 (2.02)      | 8-2 (2.50)     |
| Track width (Standard/Narrow tires)      | ft-in (m) | 6-1 (1.85)      | 6-2 (1.88)     |
| Height to front lip of bucket (untipped) | ft-in (m) | 5-8 (1.72)      | 5-8 (1.73)     |
| Height to front lip of bucket (tipped)   | ft-in (m) | 3-8 (1.12)      | 1-4 (0.42)     |
| Load over height                         | ft-in (m) | 6-8 (2.03)      | 6-7 (2.00)     |
| Height over bucket (tipped)              | ft-in (m) | 12-1 (3.67)     | 8-10 (2.68)    |
| Bucket tip angle                         | degrees   | 70              | 80             |
| Discharge distance (front)               | ft-in (m) | I-II (0.58)     | 1-9 (0.53)     |
| Discharge distance (side)                | ft-in (m) | 0-9 (0.24)      |                |
| Turning radius to outside of bucket      | ft-in (m) | 18-11 (5.78)    | 20-11 (6.37)   |
| Turning radius to outside of tires       | ft-in (m) | 18-10 (5.74)    | 20-5 (6.22)    |
| Steering angle (+/-)                     | degrees   | 30              | 30             |
| Oscillation                              | degrees   | 10              | 10             |
| Height to top of ROPS no beacon          | ft-in (m) | 10-3 (3.13)     | 10-12 (3.35)   |
| Height - top of ROPS/FOPS no beacon      | ft-in (m) | 10-5 (3.17)     | 11-1 (3.39)    |
| Height with folded ROPS                  | ft-in (m) | 7-1 (2.17)      | 7-7 (2.32)     |
| Height with folded ROPS/FOPS             | ft-in (m) | 9-8 (2.94)      | 10-4 (3.15)    |
| Height to top of cab (without beacon)    | ft-in (m) | 9-11 (3.01)     | 10-7 (3.23)    |

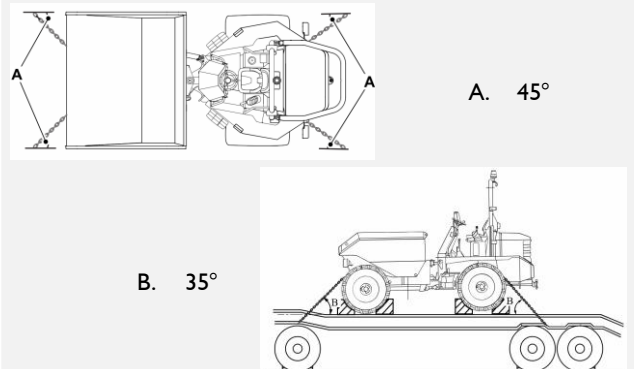
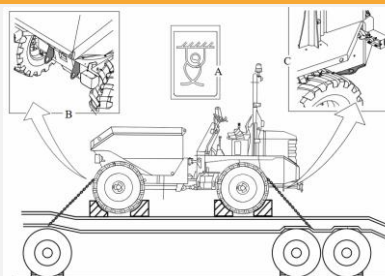


### Capacities

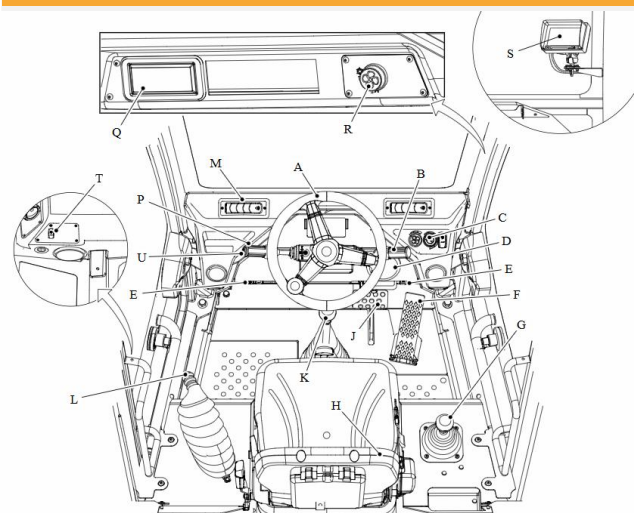
|                                                              |                   | 6T-I Swivel Tip | 9T-I Front Tip |
|--------------------------------------------------------------|-------------------|-----------------|----------------|
| Payload                                                      | lb (kg)           | 13228 (6000)    | 19842 (9000)   |
| Operating weight - ISO6016 full tank of fuel & 75kg operator |                   |                 |                |
|                                                              | ROPS lb (kg)      | 11310 (5130)    | 12037 (5460)   |
|                                                              | ROPS/FOPS lb (kg) | 11486 (5210)    | 12214 (5540)   |
|                                                              | CAB lb (kg)       | 12059 (5470)    | 12787 (5800)   |
| Tipping type                                                 |                   | Swivel tip      | Front tip      |
| Bucket capacity (fluid)                                      | gal (L)           | 427 (1615)      | 643 (2435)     |
| Bucket capacity (struck)                                     | yd3 (m3)          | 3.3 (2.51)      | 4.9 (3.74)     |
| Bucket capacity (heaped)                                     | yd3 (m3)          | 4.1 (3.15)      | 5.9 (4.53)     |

### Tie Down Points

- A Tie-down decal
- B Front tie down point
- C Rear tie-down point

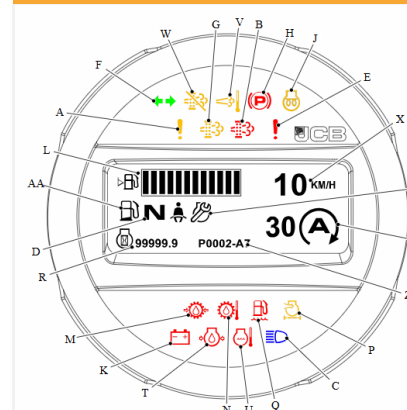


### Cab and Switch Panel



- A Steering wheel
- B Multi purpose switch
- C Heating, air cooling and ventilation
- D Instrument panel
- E Console switches/Auxiliary power socket/Ignition switch
- F Accelerator pedal
- G Skip lever and transmission dump switch
- H Operator seat
- J Service brake pedal
- K Gear lever
- L Park brake
- M Ventilation vent
- P Forward/Neutral/Reverse lever
- Q Cab interior light
- R Air cooling controls
- S Camera display screen
- T Rear wiper switch
- U Horn

### Instrument Panel



- A Yellow MIL (Malfunction Indicator Lamp)
- B After treatment critical warning
- C Main beam lights
- D Neutral
- E Red MIL (Engine diagnostics)

- F Direction indicators
- G After treatment warning
- H Park brake
- J Engine pre-heat
- K Battery no charge
- L Fuel level indicator
- M Transmission oil pressure
- N Transmission oil temperature
- P Air intake filter blockage
- Q Water in fuel
- R Hour meter
- S Service due warning icon
- T Low engine oil pressure
- U High engine coolant temperature
- V HEST (High Exhaust System Temperature)
- W Exhaust regeneration inhibit
- X Speedometer
- Y Auto-stop status
- Z Text display
- AA Low fuel warning

### Start Up Sequence

**1 ROPS upright**

Make sure the ROPS (Roll-Over Protective Structure) is in the upright position.

**2 Battery isolator on**

Make sure the battery isolator key is installed and switched on.

**3 Fasten lap belt**

The operator should be seated with the lap belt engaged.

**4 Drive selection**

Make sure the drive lever is in the neutral/park position.

**5 Engine pre-heat**

Turn and hold the ignition key to position 2 and wait for the pre-heat light to go off.

**6 Machine start**

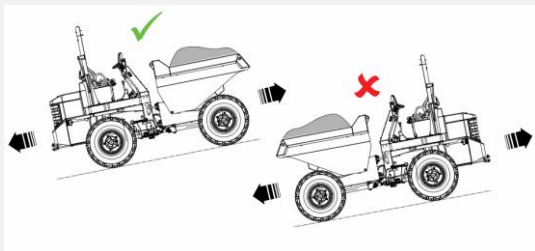
Turn ignition key to position 3 to crank the engine.

Access additional information  
[www.servicepro.jcb.com](http://www.servicepro.jcb.com)

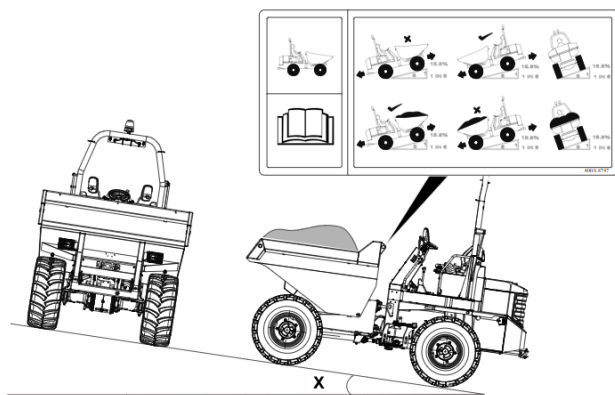
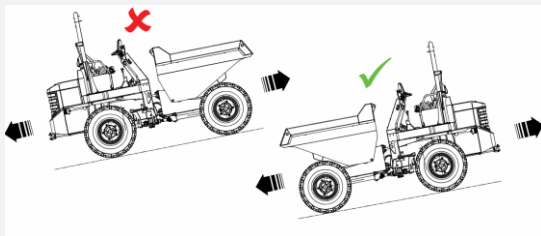


## Working on Slopes

### Laden Machine



### Unladen Machine



X Maximum operating slope

Table 2. Maximum Operating Slope

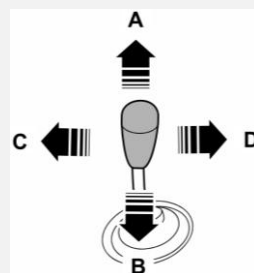
| Machine | Operator Station | Percentage Slope | Degree |
|---------|------------------|------------------|--------|
| 6T ST   | ROPS frame       | 23.5%            | 13.2°  |
|         | Cab              | 21.6%            | 12.2°  |
| 9T FT   | ROPS frame       | 16.7%            | 9.5°   |
|         | Cab              | 21.2%            | 11.8°  |

## Operating Levers/Pedals - Skip Controls

### To Tip (& Rotate) the Skip

1. Position machine where load is to be discharged.
2. Make sure the area is clear
3. Push the control lever forwards towards the front of the machine to raise the skip the specified distance to enable the catch to clear the skip swivel lock. - Distance: 30mm
4. Move the control lever to the right or left to rotate the skip. Refer to
5. Push the control lever forwards to tip the skip and the load will be discharged.

- A. Tip skip lever
- B. Lower the skip
- C. Swivel left
- D. Swivel right

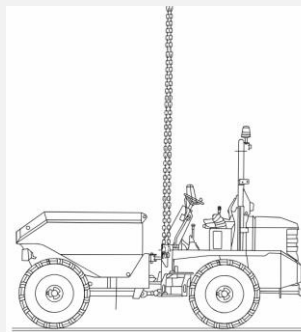
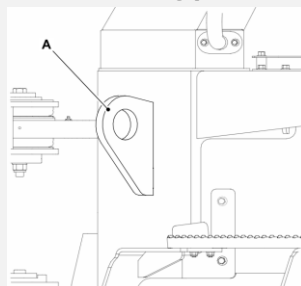


### To Return the Skip to the Ahead (Travel) Position

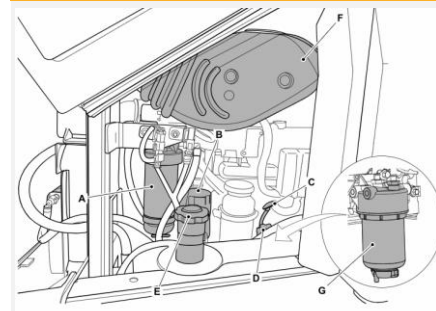
1. If necessary, raise the skip to clear the swivel lock.
2. Rotate the skip to the ahead position.
3. Pull the control lever towards the back of the machine to lower the skip.
4. Make sure that the skip is locked in the ahead position.

## Lifting Procedures

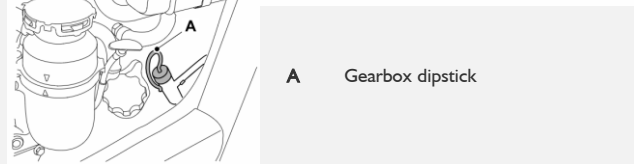
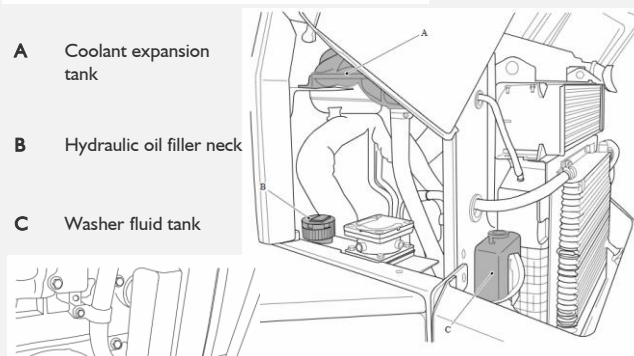
### A. Lifting points



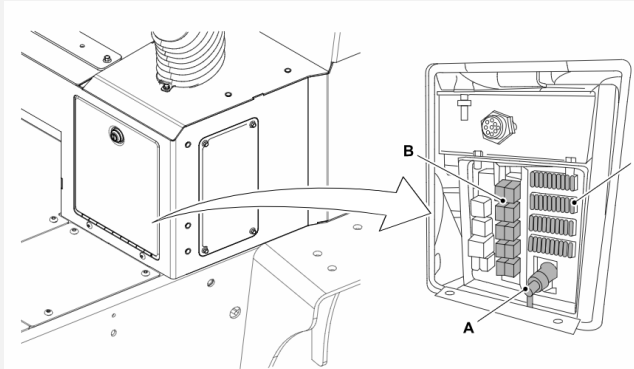
## Service Points



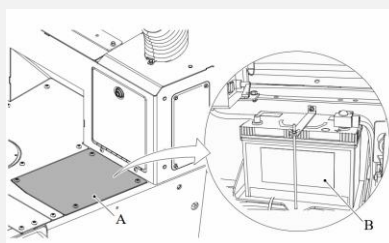
- A Fuel filter (Separator)
- B Engine oil filter
- C Engine oil dipstick
- D Engine oil filler cap
- E Fuel filler cap
- F Air filter
- G Engine fuel filter



- A Gearbox dipstick



- A Battery isolator
- B Relays
- C Fuses



- A Floor plate battery access cover
- B Battery