

EXCAVATOR RATED LIFT CAPACITY TABLES



WARNING

AVOID DEATH OR SERIOUS INJURY

Let everybody be away from the boom cylinder. While lifting operation, boom, arm, bucket hoses might burst and then high-pressure oil will be ejected at high-speed.

If that failure mode takes place, handling weight or front structure might fall by its gravity to the ground to cause fatal injury to the person.

When changing the hoses record the part numbers of the hoses to factory log book.

Do the service job under the company's serviceman.

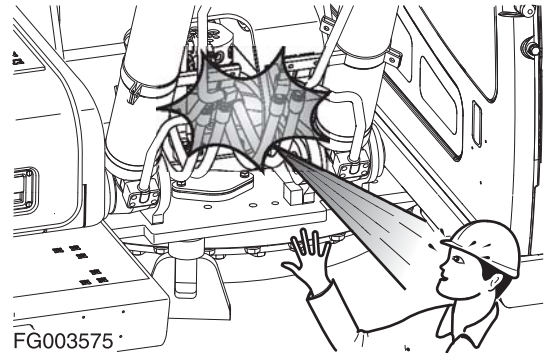


Figure 50



WARNING

AVOID DEATH OR SERIOUS INJURY

All rated lift capacities are based on the machine and the load both remaining level at all times. **DO NOT EXCEED THE RATED LIFT CAPACITY.** Lifting loads greater than those shown in the rated capacity tables can cause catastrophic equipment failure and/or structural collapse of the machine.

To operate safely the excavator must be on a firm, level and uniformly supporting surface. The operator is expected to make due allowance for all specific work site and lift related conditions, and respond to changes in those conditions that could pose a hazard. The following could all cause hazardous conditions and accidents or injuries:

- Soft or uneven ground.
- Unlevel terrain.
- Side loads.
- Modifications or poor maintenance of the excavator.
- Failure to lift squarely over the end or over the side of the machine.

When a load is in the air, the operator must remain alert.

- Avoid side loads that may be caused by uneven slings, traveling with the load or swinging too quickly.
- The load can become unbalanced if the hook line is twisted and starts to rotate. If the surface area of the load is large enough, wind gusts can create side loads.

- Keep the bucket hook point directly over the load. Tag lines on opposite sides of the load can help maintain greater stability against side loads and wind gusts.

Avoid traveling with a suspended load. Before swinging (or if required, traveling), bring the load into an arm position (radius and height) that has a safer weight capacity rating and adequate movement clearance. The operator and all work site personnel must be thoroughly familiar with safety instructions and procedures within this Operation and Maintenance Manual.

The following weight loads are in compliance with ISO 10567 and ISO applicable, recommended standards for hydraulic excavators performing lifting operation on a firm supporting surface. An asterisk (*) next to the lift rating indicates rated load does not exceed 87% of hydraulic capacity. All other ratings have been determined not to exceed 75% of tipping capacity.

Do not attempt to lift or hold any load that exceeds rated load capacity at the specified distances (from the machine's rotation centerline and height - see "lift radius" and "lift height" in the reference drawing, Figure 51).

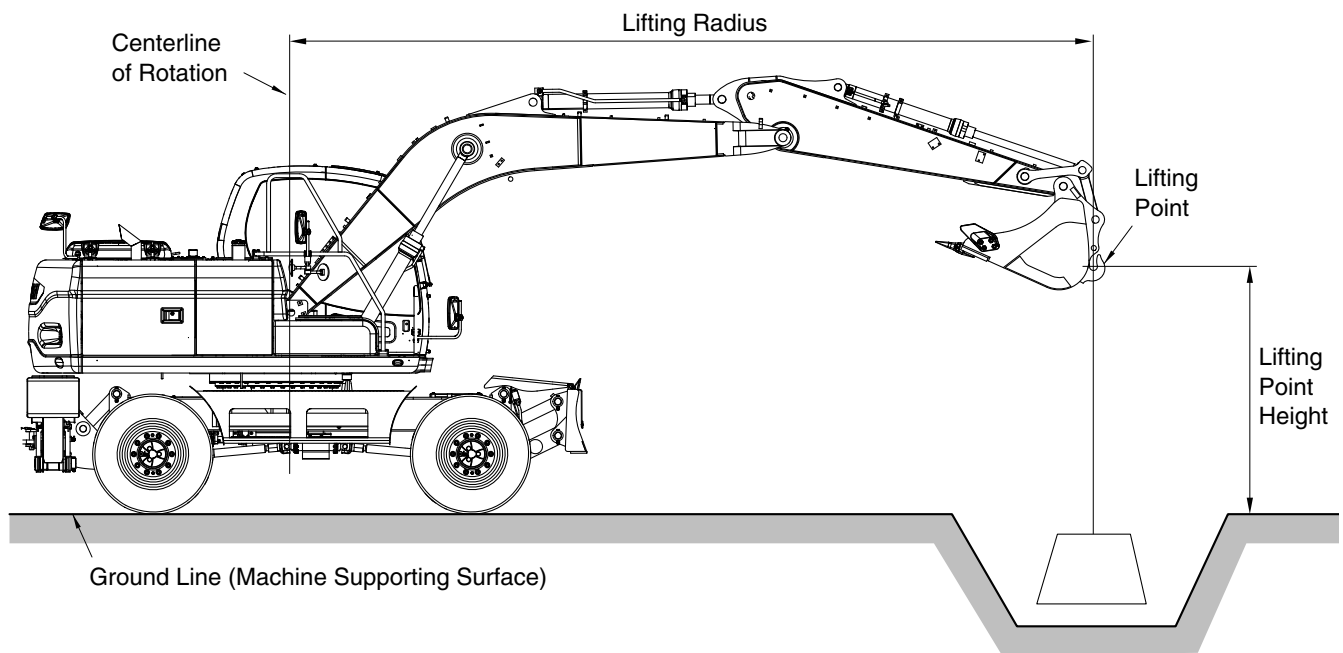
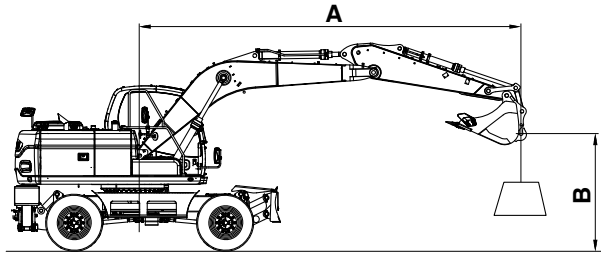




Figure 51

The weight of slings and any auxiliary lifting device (and/or the weight difference of any attachment heavier than standard configuration) must be deducted from the rated lift capacity to determine allowable net lifting load. The lift point must be on the back of the bucket, as shown in Figure 51.

IMPORTANT

Select the Digging Mode switch on the Instrument Panel before using the excavator for lifting work. Engine and hydraulic oil should both be fully warmed up to operating temperature before starting a lift.























- Boom : 4.3 m (14' 1") One-Piece Boom
- Arm : 2.1 m (6' 11")
- Bucket : Without Bucket
- C/WEIGHT : 2,200 kg
- UNIT : 1000 kg (1000 lb)
-  : Rated lift capacity - over front
-  : Rated lift capacity - over side

FG006398









Figure 52

METRIC (4.3 m One-Piece Boom, 2.1 m Arm)

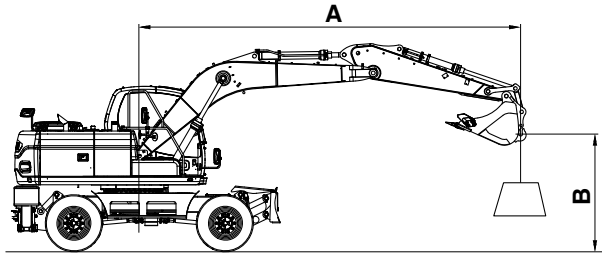
| A(M) B(M) | Chassis Frame Attachment | 3 | | 4 | | 5 | | 6 | | MAX. REACH | | A(M) |
|--------------|----------------------------|---|---|---|---|---|--|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  | |
| 6 | R-Rear Dozer Only Up | | | *4.43 | 4.24 | | | | | *2.97 | *2.97 | 4.59 |
| | R-Rear Dozer Only Down | | | *4.43 | *4.43 | | | | | *2.97 | *2.97 | |
| | R-Outrigger Only Down | | | *4.43 | *4.43 | | | | | *2.97 | *2.97 | |
| | F-Dozer + R-Outrigger Down | | | *4.43 | *4.43 | | | | | *2.97 | *2.97 | |
| 5 | R-Rear Dozer Only Up | | | *5.26 | 4.22 | *4.18 | 3.02 | | | *2.87 | 2.72 | 5.36 |
| | R-Rear Dozer Only Down | | | *5.26 | *5.26 | *4.18 | 3.97 | | | *2.87 | *2.87 | |
| | R-Outrigger Only Down | | | *5.26 | *5.26 | *4.18 | *4.18 | | | *2.87 | *2.87 | |
| | F-Dozer + R-Outrigger Down | | | *5.26 | *5.26 | *4.18 | *4.18 | | | *2.87 | *2.87 | |
| 4 | R-Rear Dozer Only Up | *7.12 | 6.42 | *6.10 | 4.15 | *5.51 | 2.99 | | | *2.87 | 2.37 | 5.86 |
| | R-Rear Dozer Only Down | *7.12 | *7.12 | *6.10 | 5.55 | *5.51 | 3.94 | | | *2.87 | *2.87 | |
| | R-Outrigger Only Down | *7.12 | *7.12 | *6.10 | *6.10 | *5.51 | *5.51 | | | *2.87 | *2.87 | |
| | F-Dozer + R-Outrigger Down | *7.12 | *7.12 | *6.10 | *6.10 | *5.51 | *5.51 | | | *2.87 | *2.87 | |
| 3 | R-Rear Dozer Only Up | *9.01 | 6.16 | *6.96 | 4.03 | 5.85 | 2.94 | *3.91 | 2.27 | *2.96 | 2.19 | 6.15 |
| | R-Rear Dozer Only Down | *9.01 | 8.69 | *6.96 | 5.43 | 5.85 | 3.88 | *3.91 | 2.97 | *2.96 | 2.86 | |
| | R-Outrigger Only Down | *9.01 | *9.01 | *6.96 | *6.96 | *5.92 | 5.89 | *3.91 | *3.91 | *2.96 | *2.96 | |
| | F-Dozer + R-Outrigger Down | *9.01 | *9.01 | *6.96 | *6.96 | *5.92 | *5.92 | *3.91 | *3.91 | *2.96 | *2.96 | |
| 2 | R-Rear Dozer Only Up | | | *7.82 | 3.92 | 5.78 | 2.88 | 4.36 | 2.24 | *3.13 | 2.11 | 6.28 |
| | R-Rear Dozer Only Down | | | *7.82 | 5.30 | 5.78 | 3.82 | 4.36 | 2.95 | *3.13 | 2.76 | |
| | R-Outrigger Only Down | | | *7.82 | *7.82 | 6.06 | 5.82 | 4.57 | 4.39 | *3.13 | *3.13 | |
| | F-Dozer + R-Outrigger Down | | | *7.82 | *7.82 | *6.35 | 6.04 | *4.97 | 4.56 | *3.13 | *3.13 | |
| 1 | R-Rear Dozer Only Up | *9.08 | 5.76 | 8.28 | 3.82 | 5.71 | 2.83 | 4.33 | 2.22 | *3.40 | 2.11 | 6.24 |
| | R-Rear Dozer Only Down | *9.08 | 8.21 | 8.28 | 5.20 | 5.71 | 3.76 | 4.33 | 2.92 | *3.40 | 2.77 | |
| | R-Outrigger Only Down | *9.08 | *9.08 | *8.37 | 8.34 | 6.00 | 5.76 | 4.54 | 4.36 | *3.40 | *3.40 | |
| | F-Dozer + R-Outrigger Down | *9.08 | *9.08 | *8.37 | *8.37 | *6.64 | 5.98 | *5.36 | 4.53 | *3.40 | *3.40 | |
| 0 | R-Rear Dozer Only Up | *10.23 | 5.71 | 8.21 | 3.77 | 5.67 | 2.80 | *4.13 | 2.20 | *3.84 | 2.19 | 6.03 |
| | R-Rear Dozer Only Down | *10.23 | 8.16 | 8.21 | 5.14 | 5.67 | 3.73 | *4.13 | 2.90 | *3.84 | 2.89 | |
| | R-Outrigger Only Down | *10.23 | *10.23 | *8.44 | 8.27 | 5.96 | 5.72 | *4.13 | *4.13 | *3.84 | *3.84 | |
| | F-Dozer + R-Outrigger Down | *10.23 | *10.23 | *8.44 | *8.44 | *6.66 | 5.94 | *4.13 | *4.13 | *3.84 | *3.84 | |
| -1 | R-Rear Dozer Only Up | *10.36 | 5.71 | *8.00 | 3.76 | 5.66 | 2.79 | | | *4.57 | 2.39 | 5.63 |
| | R-Rear Dozer Only Down | *10.36 | 8.16 | *8.00 | 5.13 | 5.66 | 3.72 | | | *4.57 | 3.17 | |
| | R-Outrigger Only Down | *10.36 | *10.36 | *8.00 | *8.00 | 5.95 | 5.71 | | | *4.57 | *4.57 | |
| | F-Dozer + R-Outrigger Down | *10.36 | *10.36 | *8.00 | *8.00 | *6.28 | 5.93 | | | *4.57 | *4.57 | |



| A(M) B(M) | Chassis Frame Attachment | 3 | | 4 | | 5 | | 6 | | MAX. REACH | | A(M) |
|--------------|----------------------------|---|---|---|---|---|---|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  | |
| -2 | R-Rear Dozer Only Up | *8.87 | 5.76 | *6.93 | 3.79 | *5.12 | 2.82 | | | *5.11 | 2.81 | 5.01 |
| | R-Rear Dozer Only Down | *8.87 | 8.21 | *6.93 | 5.16 | *5.12 | 3.75 | | | *5.11 | 3.75 | |
| | R-Outrigger Only Down | *8.87 | *8.87 | *6.93 | *6.93 | *5.12 | *5.12 | | | *5.11 | *5.11 | |
| | F-Dozer + R-Outrigger Down | *8.87 | *8.87 | *6.93 | *6.93 | *5.12 | *5.12 | | | *5.11 | *5.11 | |
| -3 | R-Rear Dozer Only Up | *6.38 | 5.85 | *4.63 | 3.87 | | | | | *4.54 | 3.82 | 4.04 |
| | R-Rear Dozer Only Down | *6.38 | *6.38 | *4.63 | *4.63 | | | | | *4.54 | *4.54 | |
| | R-Outrigger Only Down | *6.38 | *6.38 | *4.63 | *4.63 | | | | | *4.54 | *4.54 | |
| | F-Dozer + R-Outrigger Down | *6.38 | *6.38 | *4.63 | *4.63 | | | | | *4.54 | *4.54 | |

FEET (14' 1" One-Piece Boom, 6' 11" Arm)

| A(ft) B(ft) | Chassis Frame Attachment | 10 | | 15 | | 20 | | MAX. REACH | | A(ft) |
|----------------|----------------------------|---|---|---|---|---|---|---|---|-------|
| | |  |  |  |  |  |  |  |  | |
| 20 | R-Rear Dozer Only Up | | | | | | | | | 18.37 |
| | R-Rear Dozer Only Down | | | | | | | | | |
| | R-Outrigger Only Down | | | | | | | | | |
| | F-Dozer + R-Outrigger Down | | | | | | | | | |
| 15 | R-Rear Dozer Only Up | | | *11.76 | 7.59 | | | *6.30 | 5.60 | 20.16 |
| | R-Rear Dozer Only Down | | | *11.76 | 10.02 | | | *6.30 | *6.30 | |
| | R-Outrigger Only Down | | | *11.76 | *11.76 | | | *6.30 | *6.30 | |
| | F-Dozer + R-Outrigger Down | | | *11.76 | *11.76 | | | *6.30 | *6.30 | |
| 10 | R-Rear Dozer Only Up | *19.35 | 13.29 | *13.81 | 7.36 | *7.25 | 4.89 | *6.51 | 4.83 | 20.59 |
| | R-Rear Dozer Only Down | *19.35 | 18.66 | *13.81 | 9.78 | *7.25 | 6.41 | *6.51 | 6.33 | |
| | R-Outrigger Only Down | *19.35 | *19.35 | *13.81 | *13.81 | *7.25 | *7.25 | *6.51 | *6.51 | |
| | F-Dozer + R-Outrigger Down | *19.35 | *19.35 | *13.81 | *13.81 | *7.25 | *7.25 | *6.51 | *6.51 | |
| 5 | R-Rear Dozer Only Up | *24.32 | 12.53 | 14.63 | 7.10 | 9.35 | 4.81 | *7.15 | 4.62 | 19.77 |
| | R-Rear Dozer Only Down | *24.32 | 17.78 | 14.63 | 9.50 | 9.35 | 6.32 | *7.15 | 6.07 | |
| | R-Outrigger Only Down | *24.32 | *24.32 | 15.35 | 14.74 | 9.81 | 9.42 | *7.15 | *7.15 | |
| | F-Dozer + R-Outrigger Down | *24.32 | *24.32 | *15.65 | 15.30 | *10.24 | 9.79 | *7.15 | *7.15 | |
| 0 | R-Rear Dozer Only Up | *23.70 | 12.28 | 14.43 | 6.94 | | | *8.46 | 4.83 | 17.51 |
| | R-Rear Dozer Only Down | *23.70 | 17.49 | 14.43 | 9.33 | | | *8.46 | 6.37 | |
| | R-Outrigger Only Down | *23.70 | *23.70 | 15.15 | 14.54 | | | *8.46 | *8.46 | |
| | F-Dozer + R-Outrigger Down | *23.70 | *23.70 | *16.17 | 15.10 | | | *8.46 | *8.46 | |
| -5 | R-Rear Dozer Only Up | *21.06 | 12.33 | *14.39 | 6.94 | | | 11.34 | 5.68 | 13.06 |
| | R-Rear Dozer Only Down | *21.06 | 17.55 | *14.39 | 9.32 | | | 11.34 | 7.53 | |
| | R-Outrigger Only Down | *21.06 | *21.06 | *14.39 | *14.39 | | | *11.44 | 11.42 | |
| | F-Dozer + R-Outrigger Down | *21.06 | *21.06 | *14.39 | *14.39 | | | *11.44 | *11.44 | |
| -10 | R-Rear Dozer Only Up | *13.55 | 12.60 | | | | | *9.89 | 8.60 | |
| | R-Rear Dozer Only Down | *13.55 | *13.55 | | | | | *9.89 | *9.89 | |
| | R-Outrigger Only Down | *13.55 | *13.55 | | | | | *9.89 | *9.89 | |
| | F-Dozer + R-Outrigger Down | *13.55 | *13.55 | | | | | *9.89 | *9.89 | |

1. Ratings are based on ISO 10567.
2. Load point is the end of arm.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hyd. Capacity or 75% of tipping capacity.























- Boom : 4.6 m (15' 1") One-Piece Boom
- Arm : 2.1 m (6' 11")
- Bucket : Without Bucket
- C/WEIGHT : 2,200 kg
- UNIT : 1000 kg (1000 lb)
-  : Rated lift capacity - over front
-  : Rated lift capacity - over side

FG006399









Figure 53

METRIC (4.6 m One-Piece Boom, 2.1 m Arm)

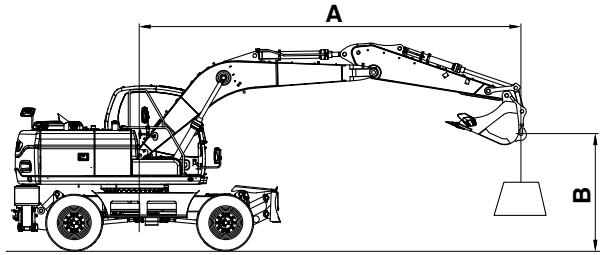
| A(M) B(M) | Chassis Frame Attachment | 3 | | 4 | | 5 | | 6 | | MAX. REACH | | A(M) |
|--------------|----------------------------|---|---|---|---|---|---|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  | |
| 6 | R-Rear Dozer Only Up | | | *4.86 | 4.25 | *3.10 | 3.01 | | | *2.98 | *2.98 | 5.02 |
| | R-Rear Dozer Only Down | | | *4.86 | *4.86 | *3.10 | *3.10 | | | *2.98 | *2.98 | |
| | R-Outrigger Only Down | | | *4.86 | *4.86 | *3.10 | *3.10 | | | *2.98 | *2.98 | |
| | F-Dozer + R-Outrigger Down | | | *4.86 | *4.86 | *3.10 | *3.10 | | | *2.98 | *2.98 | |
| 5 | R-Rear Dozer Only Up | | | *5.48 | 4.21 | *4.93 | 3.02 | | | *2.90 | 2.45 | 5.74 |
| | R-Rear Dozer Only Down | | | *5.48 | *5.48 | *4.93 | 3.97 | | | *2.90 | *2.90 | |
| | R-Outrigger Only Down | | | *5.48 | *5.48 | *4.93 | *4.93 | | | *2.90 | *2.90 | |
| | F-Dozer + R-Outrigger Down | | | *5.48 | *5.48 | *4.93 | *4.93 | | | *2.90 | *2.90 | |
| 4 | R-Rear Dozer Only Up | *7.45 | 6.36 | *6.14 | 4.11 | *5.42 | 2.97 | *3.97 | 2.28 | *2.90 | 2.16 | 6.2 |
| | R-Rear Dozer Only Down | *7.45 | *7.45 | *6.14 | 5.52 | *5.42 | 3.92 | *3.97 | 2.98 | *2.90 | 2.83 | |
| | R-Outrigger Only Down | *7.45 | *7.45 | *6.14 | *6.14 | *5.42 | *5.42 | *3.97 | *3.97 | *2.90 | *2.90 | |
| | F-Dozer + R-Outrigger Down | *7.45 | *7.45 | *6.14 | *6.14 | *5.42 | *5.42 | *3.97 | *3.97 | *2.90 | *2.90 | |
| 3 | R-Rear Dozer Only Up | | | *7.03 | 3.98 | 5.82 | 2.91 | 4.37 | 2.25 | *2.99 | 2.01 | 6.49 |
| | R-Rear Dozer Only Down | | | *7.03 | 5.37 | 5.82 | 3.85 | 4.37 | 2.95 | *2.99 | 2.64 | |
| | R-Outrigger Only Down | | | *7.03 | *7.03 | *5.86 | *5.86 | 4.59 | 4.41 | *2.99 | *2.99 | |
| | F-Dozer + R-Outrigger Down | | | *7.03 | *7.03 | *5.86 | *5.86 | *5.18 | 4.58 | *2.99 | *2.99 | |
| 2 | R-Rear Dozer Only Up | | | *7.86 | 3.85 | 5.74 | 2.84 | 4.33 | 2.21 | *3.14 | 1.94 | 6.6 |
| | R-Rear Dozer Only Down | | | *7.86 | 5.23 | 5.74 | 3.78 | 4.33 | 2.92 | *3.14 | 2.55 | |
| | R-Outrigger Only Down | | | *7.86 | *7.86 | 6.02 | 5.78 | 4.55 | 4.37 | *3.14 | *3.14 | |
| | F-Dozer + R-Outrigger Down | | | *7.86 | *7.86 | *6.30 | 6.00 | *5.37 | 4.54 | *3.14 | *3.14 | |
| 1 | R-Rear Dozer Only Up | | | 8.20 | 3.75 | 5.67 | 2.78 | 4.29 | 2.18 | *3.39 | 1.93 | 6.56 |
| | R-Rear Dozer Only Down | | | 8.20 | 5.12 | 5.67 | 3.71 | 4.29 | 2.88 | *3.39 | 2.55 | |
| | R-Outrigger Only Down | | | *8.33 | 8.26 | 5.95 | 5.71 | 4.51 | 4.33 | *3.39 | *3.39 | |
| | F-Dozer + R-Outrigger Down | | | *8.33 | *8.33 | *6.58 | 5.93 | *5.47 | 4.50 | *3.39 | *3.39 | |
| 0 | R-Rear Dozer Only Up | *7.26 | 5.60 | 8.14 | 3.70 | 5.62 | 2.74 | 4.27 | 2.16 | *3.77 | 2.00 | 6.36 |
| | R-Rear Dozer Only Down | *7.26 | *7.26 | 8.14 | 5.07 | 5.62 | 3.68 | 4.27 | 2.86 | *3.77 | 2.65 | |
| | R-Outrigger Only Down | *7.26 | *7.26 | *8.34 | 8.19 | 5.91 | 5.67 | 4.49 | 4.31 | *3.77 | *3.77 | |
| | F-Dozer + R-Outrigger Down | *7.26 | *7.26 | *8.34 | *8.34 | *6.61 | 5.89 | *5.38 | 4.48 | *3.77 | *3.77 | |
| -1 | R-Rear Dozer Only Up | *10.06 | 5.61 | *7.90 | 3.69 | 5.61 | 2.73 | | | 4.28 | 2.17 | 5.99 |
| | R-Rear Dozer Only Down | *10.06 | 8.06 | *7.90 | 5.06 | 5.61 | 3.66 | | | 4.28 | 2.87 | |
| | R-Outrigger Only Down | *10.06 | *10.06 | *7.90 | *7.90 | 5.89 | 5.65 | | | *4.40 | 4.32 | |
| | F-Dozer + R-Outrigger Down | *10.06 | *10.06 | *7.90 | *7.90 | *6.28 | 5.88 | | | *4.40 | *4.40 | |



| A(M) B(M) | Chassis Frame Attachment | 3 | | 4 | | 5 | | 6 | | MAX. REACH | | A(M) |
|--------------|----------------------------|---|---|---|---|---|---|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  | |
| -2 | R-Rear Dozer Only Up | *8.71 | 5.66 | *6.96 | 3.72 | *5.43 | 2.75 | | | *4.74 | 2.50 | 5.41 |
| | R-Rear Dozer Only Down | *8.71 | 8.11 | *6.96 | 5.08 | *5.43 | 3.69 | | | *4.74 | 3.32 | |
| | R-Outrigger Only Down | *8.71 | *8.71 | *6.96 | *6.96 | *5.43 | *5.43 | | | *4.74 | *4.74 | |
| | F-Dozer + R-Outrigger Down | *8.71 | *8.71 | *6.96 | *6.96 | *5.43 | *5.43 | | | *4.74 | *4.74 | |
| -3 | R-Rear Dozer Only Up | *6.62 | 5.75 | *5.21 | 3.78 | | | | | *4.28 | 3.20 | 4.53 |
| | R-Rear Dozer Only Down | *6.62 | *6.62 | *5.21 | 5.15 | | | | | *4.28 | *4.28 | |
| | R-Outrigger Only Down | *6.62 | *6.62 | *5.21 | *5.21 | | | | | *4.28 | *4.28 | |
| | F-Dozer + R-Outrigger Down | *6.62 | *6.62 | *5.21 | *5.21 | | | | | *4.28 | *4.28 | |

FEET (15' 1" One-Piece Boom, 6' 11" Arm)

| A(ft) B(ft) | Chassis Frame Attachment | 10 | | 15 | | 20 | | MAX. REACH | | A(ft) |
|----------------|----------------------------|---|---|---|---|---|---|---|---|-------|
| | |  |  |  |  |  |  |  |  | |
| 20 | R-Rear Dozer Only Up | | | *9.14 | 7.64 | | | *6.61 | *6.61 | 16.2 |
| | R-Rear Dozer Only Down | | | *9.14 | *9.14 | | | *6.61 | *6.61 | |
| | R-Outrigger Only Down | | | *9.14 | *9.14 | | | *6.61 | *6.61 | |
| | F-Dozer + R-Outrigger Down | | | *9.14 | *9.14 | | | *6.61 | *6.61 | |
| 15 | R-Rear Dozer Only Up | | | *11.93 | 7.55 | | | *6.37 | 5.08 | 19.56 |
| | R-Rear Dozer Only Down | | | *11.93 | 10 | | | *6.37 | *6.37 | |
| | R-Outrigger Only Down | | | *11.93 | *11.93 | | | *6.37 | *6.37 | |
| | F-Dozer + R-Outrigger Down | | | *11.93 | *11.93 | | | *6.37 | *6.37 | |
| 10 | R-Rear Dozer Only Up | | | *13.78 | 7.28 | 9.41 | 4.85 | *6.57 | 4.44 | 21.25 |
| | R-Rear Dozer Only Down | | | *13.78 | 9.7 | 9.41 | 6.37 | *6.57 | 5.82 | |
| | R-Outrigger Only Down | | | *13.78 | *13.78 | 9.88 | 9.49 | *6.57 | *6.57 | |
| | F-Dozer + R-Outrigger Down | | | *13.78 | *13.78 | *10.95 | 9.86 | *6.57 | *6.57 | |
| 5 | R-Rear Dozer Only Up | | | 14.51 | 6.98 | 9.29 | 4.74 | *7.16 | 4.25 | 21.66 |
| | R-Rear Dozer Only Down | | | 14.51 | 9.38 | 9.29 | 6.25 | *7.16 | 5.59 | |
| | R-Outrigger Only Down | | | 15.23 | 14.62 | 9.75 | 9.36 | *7.16 | *7.16 | |
| | F-Dozer + R-Outrigger Down | | | *15.58 | 15.18 | *11.81 | 9.73 | *7.16 | *7.16 | |
| 0 | R-Rear Dozer Only Up | *16.79 | 12.05 | 14.30 | 6.81 | 9.20 | 4.67 | *8.32 | 4.42 | 20.88 |
| | R-Rear Dozer Only Down | *16.79 | *16.79 | 14.30 | 9.19 | 9.20 | 6.18 | *8.32 | 5.84 | |
| | R-Outrigger Only Down | *16.79 | *16.79 | 15.01 | 14.41 | 9.67 | 9.28 | *8.32 | *8.32 | |
| | F-Dozer + R-Outrigger Down | *16.79 | *16.79 | *16.01 | 14.97 | *11.62 | 9.65 | *8.32 | *8.32 | |
| -5 | R-Rear Dozer Only Up | *20.54 | 12.12 | 14.28 | 6.80 | | | 10.14 | 5.10 | 18.75 |
| | R-Rear Dozer Only Down | *20.54 | 17.32 | 14.28 | 9.18 | | | 10.14 | 6.76 | |
| | R-Outrigger Only Down | *20.54 | *20.54 | *14.45 | 14.39 | | | 10.65 | 10.22 | |
| | F-Dozer + R-Outrigger Down | *20.54 | *20.54 | *14.45 | *14.45 | | | *10.66 | 10.62 | |
| -10 | R-Rear Dozer Only Up | *14.17 | 12.38 | | | | | *9.34 | 7.18 | 14.69 |
| | R-Rear Dozer Only Down | *14.17 | *14.17 | | | | | *9.34 | *9.34 | |
| | R-Outrigger Only Down | *14.17 | *14.17 | | | | | *9.34 | *9.34 | |
| | F-Dozer + R-Outrigger Down | *14.17 | *14.17 | | | | | *9.34 | *9.34 | |

1. Ratings are based on ISO 10567.
2. Load point is the end of arm.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hyd. Capacity or 75% of tipping capacity.























Boom : 4.6 m (15' 1") One-Piece Boom
 Arm : 2.5 m (8' 2")
 Bucket : Without Bucket
 C/WEIGHT : 2,200 kg
 UNIT : 1000 kg (1000 lb)
 : Rated lift capacity - over front
 : Rated lift capacity - over side

FG006400









Figure 54

METRIC (4.6 m One-Piece Boom, 2.5 m Arm)

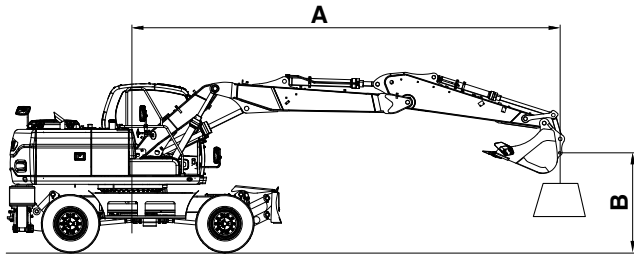
| A(M) B(M) | Chassis Frame Attachment | 3 | | 4 | | 5 | | 6 | | MAX. REACH | | A(M) |
|--------------|----------------------------|---|---|---|---|---|--|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  | |
| 6 | R-Rear Dozer Only Up | | | | | *3.56 | 3.05 | | | *2.10 | *2.10 | 5.62 |
| | R-Rear Dozer Only Down | | | | | *3.56 | *3.56 | | | *2.10 | *2.10 | |
| | R-Outrigger Only Down | | | | | *3.56 | *3.56 | | | *2.10 | *2.10 | |
| | F-Dozer + R-Outrigger Down | | | | | *3.56 | *3.56 | | | *2.10 | *2.10 | |
| 5 | R-Rear Dozer Only Up | | | *4.27 | 4.25 | *4.19 | 3.04 | *3.02 | 2.30 | *2.02 | *2.02 | 6.26 |
| | R-Rear Dozer Only Down | | | *4.27 | *4.27 | *4.19 | 4 | *3.02 | 3.01 | *2.02 | *2.02 | |
| | R-Outrigger Only Down | | | *4.27 | *4.27 | *4.19 | *4.19 | *3.02 | *3.02 | *2.02 | *2.02 | |
| | F-Dozer + R-Outrigger Down | | | *4.27 | *4.27 | *4.19 | *4.19 | *3.02 | *3.02 | *2.02 | *2.02 | |
| 4 | R-Rear Dozer Only Up | | | *5.25 | 4.15 | *4.93 | 2.99 | *4.05 | 2.28 | *2.01 | 1.93 | 6.69 |
| | R-Rear Dozer Only Down | | | *5.25 | *5.25 | *4.93 | 3.94 | *4.05 | 3 | *2.01 | *2.01 | |
| | R-Outrigger Only Down | | | *5.25 | *5.25 | *4.93 | *4.93 | *4.05 | *4.05 | *2.01 | *2.01 | |
| | F-Dozer + R-Outrigger Down | | | *5.25 | *5.25 | *4.93 | *4.93 | *4.05 | *4.05 | *2.01 | *2.01 | |
| 3 | R-Rear Dozer Only Up | *8.55 | 6.14 | *6.59 | 4.01 | *5.57 | 2.92 | 4.38 | 2.25 | *2.04 | 1.81 | 6.95 |
| | R-Rear Dozer Only Down | *8.55 | *8.55 | *6.59 | 5.41 | *5.57 | 3.86 | 4.38 | 2.96 | *2.04 | *2.04 | |
| | R-Outrigger Only Down | *8.55 | *8.55 | *6.59 | *6.59 | *5.57 | *5.57 | 4.60 | 4.41 | *2.04 | *2.04 | |
| | F-Dozer + R-Outrigger Down | *8.55 | *8.55 | *6.59 | *6.59 | *5.57 | *5.57 | *4.92 | 4.58 | *2.04 | *2.04 | |
| 2 | R-Rear Dozer Only Up | | | *7.52 | 3.86 | 5.74 | 2.84 | 4.33 | 2.20 | *2.11 | 1.75 | 7.06 |
| | R-Rear Dozer Only Down | | | *7.52 | 5.25 | 5.74 | 3.78 | 4.33 | 2.91 | *2.11 | *2.11 | |
| | R-Outrigger Only Down | | | *7.52 | *7.52 | 6.03 | 5.79 | 4.54 | 4.36 | *2.11 | *2.11 | |
| | F-Dozer + R-Outrigger Down | | | *7.52 | *7.52 | *6.08 | 6.01 | *5.22 | 4.53 | *2.11 | *2.11 | |
| 1 | R-Rear Dozer Only Up | | | *8.15 | 3.75 | 5.66 | 2.77 | 4.28 | 2.16 | *2.23 | 1.75 | 7.02 |
| | R-Rear Dozer Only Down | | | *8.15 | 5.12 | 5.66 | 3.70 | 4.28 | 2.87 | *2.23 | *2.23 | |
| | R-Outrigger Only Down | | | *8.15 | *8.15 | 5.94 | 5.70 | 4.50 | 4.32 | *2.23 | *2.23 | |
| | F-Dozer + R-Outrigger Down | | | *8.15 | *8.15 | *6.45 | 5.93 | *5.40 | 4.49 | *2.23 | *2.23 | |
| 0 | R-Rear Dozer Only Up | *6.95 | 5.56 | 8.11 | 3.68 | 5.60 | 2.72 | 4.25 | 2.14 | *2.42 | 1.80 | 6.84 |
| | R-Rear Dozer Only Down | *6.95 | *6.95 | 8.11 | 5.04 | 5.60 | 3.65 | 4.25 | 2.84 | *2.42 | 2.38 | |
| | R-Outrigger Only Down | *6.95 | *6.95 | *8.35 | 8.17 | 5.88 | 5.65 | 4.47 | 4.28 | *2.42 | *2.42 | |
| | F-Dozer + R-Outrigger Down | *6.95 | *6.95 | *8.35 | *8.35 | *6.60 | 5.87 | *5.42 | 4.45 | *2.42 | *2.42 | |
| -1 | R-Rear Dozer Only Up | *9.04 | 5.55 | 8.08 | 3.65 | 5.58 | 2.70 | 4.24 | 2.13 | *2.71 | 1.93 | 6.5 |
| | R-Rear Dozer Only Down | *9.04 | 7.99 | 8.08 | 5.02 | 5.58 | 3.63 | 4.24 | 2.83 | *2.71 | 2.55 | |
| | R-Outrigger Only Down | *9.04 | *9.04 | *8.09 | *8.09 | 5.86 | 5.62 | 4.46 | 4.27 | *2.71 | *2.71 | |
| | F-Dozer + R-Outrigger Down | *9.04 | *9.04 | *8.09 | *8.09 | *6.42 | 5.84 | *5.17 | 4.44 | *2.71 | *2.71 | |



| A(M) B(M) | Chassis Frame Attachment | 3 | | 4 | | 5 | | 6 | | MAX. REACH | | A(M) |
|--------------|----------------------------|---|---|---|---|---|--|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  | |
| -2 | R-Rear Dozer Only Up | *9.41 | 5.58 | *7.37 | 3.66 | 5.59 | 2.71 | | | *3.19 | 2.17 | 5.96 |
| | R-Rear Dozer Only Down | *9.41 | 8.03 | *7.37 | 5.03 | 5.59 | 3.64 | | | *3.19 | 2.88 | |
| | R-Outrigger Only Down | *9.41 | *9.41 | *7.37 | *7.37 | *5.83 | 5.63 | | | *3.19 | *3.19 | |
| | F-Dozer + R-Outrigger Down | *9.41 | *9.41 | *7.37 | *7.37 | *5.83 | *5.83 | | | *3.19 | *3.19 | |
| -3 | R-Rear Dozer Only Up | *7.62 | 5.66 | *6.01 | 3.71 | *4.43 | 2.76 | | | *4.03 | 2.64 | 5.18 |
| | R-Rear Dozer Only Down | *7.62 | *7.62 | *6.01 | 5.08 | *4.43 | 3.69 | | | *4.03 | 3.52 | |
| | R-Outrigger Only Down | *7.62 | *7.62 | *6.01 | *6.01 | *4.43 | *4.43 | | | *4.03 | *4.03 | |
| | F-Dozer + R-Outrigger Down | *7.62 | *7.62 | *6.01 | *6.01 | *4.43 | *4.43 | | | *4.03 | *4.03 | |

FEET (15' 1" One-Piece Boom, 8' 2" Arm)

| A(ft) B(ft) | Chassis Frame Attachment | 10 | | 15 | | 20 | | MAX. REACH | | A(ft) |
|----------------|----------------------------|---|---|---|---|---|--|---|---|-------|
| | |  |  |  |  |  |  |  |  | |
| 20 | R-Rear Dozer Only Up | | | *8.43 | 7.72 | | | *4.65 | *4.65 | 18.18 |
| | R-Rear Dozer Only Down | | | *8.43 | *8.43 | | | *4.65 | *4.65 | |
| | R-Outrigger Only Down | | | *8.43 | *8.43 | | | *4.65 | *4.65 | |
| | F-Dozer + R-Outrigger Down | | | *8.43 | *8.43 | | | *4.65 | *4.65 | |
| 15 | R-Rear Dozer Only Up | | | *10.04 | 7.61 | *7.36 | 4.94 | *4.44 | *4.44 | 21.22 |
| | R-Rear Dozer Only Down | | | *10.04 | *10.04 | *7.36 | 6.47 | *4.44 | *4.44 | |
| | R-Outrigger Only Down | | | *10.04 | *10.04 | *7.36 | *7.36 | *4.44 | *4.44 | |
| | F-Dozer + R-Outrigger Down | | | *10.04 | *10.04 | *7.36 | *7.36 | *4.44 | *4.44 | |
| 10 | R-Rear Dozer Only Up | *18.35 | 13.25 | *13.03 | 7.31 | 9.42 | 4.85 | *4.50 | 3.99 | 22.78 |
| | R-Rear Dozer Only Down | *18.35 | *18.35 | *13.03 | 9.74 | 9.42 | 6.37 | *4.50 | *4.50 | |
| | R-Outrigger Only Down | *18.35 | *18.35 | *13.03 | *13.03 | 9.89 | 9.5 | *4.50 | *4.50 | |
| | F-Dozer + R-Outrigger Down | *18.35 | *18.35 | *13.03 | *13.03 | *10.39 | 9.87 | *4.50 | *4.50 | |
| 5 | R-Rear Dozer Only Up | | | 14.53 | 6.98 | 9.27 | 4.71 | *4.77 | 3.84 | 23.17 |
| | R-Rear Dozer Only Down | | | 14.53 | 9.38 | 9.27 | 6.23 | *4.77 | *4.77 | |
| | R-Outrigger Only Down | | | *15.10 | 14.63 | 9.73 | 9.34 | *4.77 | *4.77 | |
| | F-Dozer + R-Outrigger Down | | | *15.10 | *15.10 | *11.56 | 9.71 | *4.77 | *4.77 | |
| 0 | R-Rear Dozer Only Up | *16.06 | 11.96 | 14.25 | 6.76 | 9.15 | 4.61 | *5.34 | 3.97 | 22.44 |
| | R-Rear Dozer Only Down | *16.06 | *16.06 | 14.25 | 9.14 | 9.15 | 6.13 | *5.34 | 5.25 | |
| | R-Outrigger Only Down | *16.06 | *16.06 | 14.97 | 14.36 | 9.62 | 9.23 | *5.34 | *5.34 | |
| | F-Dozer + R-Outrigger Down | *16.06 | *16.06 | *15.98 | 14.93 | *11.74 | 9.60 | *5.34 | *5.34 | |
| -5 | R-Rear Dozer Only Up | *21.81 | 11.96 | 14.19 | 6.71 | 9.15 | 4.61 | *6.46 | 4.48 | 20.48 |
| | R-Rear Dozer Only Down | *21.81 | 17.16 | 14.19 | 9.09 | 9.15 | 6.12 | *6.46 | 5.94 | |
| | R-Outrigger Only Down | *21.81 | *21.81 | 14.90 | 14.29 | 9.62 | 9.22 | *6.46 | *6.46 | |
| | F-Dozer + R-Outrigger Down | *21.81 | *21.81 | *15.00 | 14.86 | *9.81 | 9.59 | *6.46 | *6.46 | |
| -10 | R-Rear Dozer Only Up | *16.38 | 12.18 | *11.15 | 6.83 | | | *8.84 | 5.89 | 16.85 |
| | R-Rear Dozer Only Down | *16.38 | *16.38 | *11.15 | 9.22 | | | *8.84 | 7.87 | |
| | R-Outrigger Only Down | *16.38 | *16.38 | *11.15 | *11.15 | | | *8.84 | *8.84 | |
| | F-Dozer + R-Outrigger Down | *16.38 | *16.38 | *11.15 | *11.15 | | | *8.84 | *8.84 | |

1. Ratings are based on ISO 10567.
2. Load point is the end of arm.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hyd. Capacity or 75% of tipping capacity.























Boom : 4.988 m (16' 4") Two-Piece Boom
 Arm : 2.1 m (6' 11")
 Bucket : Without Bucket
 C/WEIGHT : 2,200 kg
 UNIT : 1000 kg (1000 lb)
 : Rated lift capacity - over front
 : Rated lift capacity - over side

FG008129









Figure 55

METRIC (4.988 m Two-Piece Boom, 2.1 m Arm)

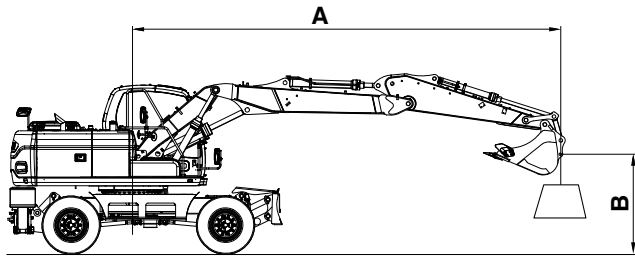
| A(M) B(M) | Chassis Frame Attachment | 3 | | 4 | | 5 | | 6 | | MAX. REACH | | A(M) |
|--------------|----------------------------|---|---|---|---|---|---|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  | |
| 8 | R-Rear Dozer Only Up | *4.52 | *4.52 | | | | | | | *3.10 | *3.10 | 3.34 |
| | R-Rear Dozer Only Down | *4.52 | *4.52 | | | | | | | *3.10 | *3.10 | |
| | R-Outrigger Only Down | *4.52 | *4.52 | | | | | | | *3.10 | *3.10 | |
| | F-Dozer + R-Outrigger Down | *4.52 | *4.52 | | | | | | | *3.10 | *3.10 | |
| 7 | R-Rear Dozer Only Up | *4.21 | *4.21 | *4.31 | 4.30 | | | | | *2.52 | *2.52 | 4.8 |
| | R-Rear Dozer Only Down | *4.21 | *4.21 | *4.31 | *4.31 | | | | | *2.52 | *2.52 | |
| | R-Outrigger Only Down | *4.21 | *4.21 | *4.31 | *4.31 | | | | | *2.52 | *2.52 | |
| | F-Dozer + R-Outrigger Down | *4.21 | *4.21 | *4.31 | *4.31 | | | | | *2.52 | *2.52 | |
| 6 | R-Rear Dozer Only Up | *4.33 | *4.33 | *4.24 | *4.24 | *4.22 | 3.05 | | | *2.30 | *2.30 | 5.72 |
| | R-Rear Dozer Only Down | *4.33 | *4.33 | *4.24 | *4.24 | *4.22 | 4.02 | | | *2.30 | *2.30 | |
| | R-Outrigger Only Down | *4.33 | *4.33 | *4.24 | *4.24 | *4.22 | *4.22 | | | *2.30 | *2.30 | |
| | F-Dozer + R-Outrigger Down | *4.33 | *4.33 | *4.24 | *4.24 | *4.22 | *4.22 | | | *2.30 | *2.30 | |
| 5 | R-Rear Dozer Only Up | *5.18 | *5.18 | *4.66 | 4.22 | *4.36 | 3.02 | *4.22 | 2.28 | *2.20 | 2.06 | 6.35 |
| | R-Rear Dozer Only Down | *5.18 | *5.18 | *4.66 | *4.66 | *4.36 | 3.99 | *4.22 | 3.00 | *2.20 | *2.20 | |
| | R-Outrigger Only Down | *5.18 | *5.18 | *4.66 | *4.66 | *4.36 | *4.36 | *4.22 | *4.22 | *2.20 | *2.20 | |
| | F-Dozer + R-Outrigger Down | *5.18 | *5.18 | *4.66 | *4.66 | *4.36 | *4.36 | *4.22 | *4.22 | *2.20 | *2.20 | |
| 4 | R-Rear Dozer Only Up | | | *5.44 | 4.08 | *4.75 | 2.95 | *4.39 | 2.25 | *2.16 | 1.85 | 6.78 |
| | R-Rear Dozer Only Down | | | *5.44 | *5.44 | *4.75 | 3.92 | *4.39 | 2.98 | *2.16 | *2.16 | |
| | R-Outrigger Only Down | | | *5.44 | *5.44 | *4.75 | *4.75 | *4.39 | *4.39 | *2.16 | *2.16 | |
| | F-Dozer + R-Outrigger Down | | | *5.44 | *5.44 | *4.75 | *4.75 | *4.39 | *4.39 | *2.16 | *2.16 | |
| 3 | R-Rear Dozer Only Up | | | *6.45 | 3.89 | *5.28 | 2.85 | 4.38 | 2.21 | *2.16 | 1.74 | 7.04 |
| | R-Rear Dozer Only Down | | | *6.45 | 5.31 | *5.28 | 3.82 | 4.38 | 2.93 | *2.16 | *2.16 | |
| | R-Outrigger Only Down | | | *6.45 | *6.45 | *5.28 | *5.28 | 4.59 | 4.41 | *2.16 | *2.16 | |
| | F-Dozer + R-Outrigger Down | | | *6.45 | *6.45 | *5.28 | *5.28 | *4.66 | 4.58 | *2.16 | *2.16 | |
| 2 | R-Rear Dozer Only Up | | | | | 5.71 | 2.76 | 4.32 | 2.15 | *2.21 | 1.68 | 7.14 |
| | R-Rear Dozer Only Down | | | | | 5.71 | 3.72 | 4.32 | 2.87 | *2.21 | *2.21 | |
| | R-Outrigger Only Down | | | | | *5.82 | 5.76 | 4.53 | 4.35 | *2.21 | *2.21 | |
| | F-Dozer + R-Outrigger Down | | | | | *5.82 | *5.82 | *4.96 | 4.52 | *2.21 | *2.21 | |
| 1 | R-Rear Dozer Only Up | | | | | 5.62 | 2.69 | 4.27 | 2.11 | *2.30 | 1.68 | 7.11 |
| | R-Rear Dozer Only Down | | | | | 5.62 | 3.64 | 4.27 | 2.83 | *2.30 | 2.24 | |
| | R-Outrigger Only Down | | | | | 5.91 | 5.67 | 4.48 | 4.30 | *2.30 | *2.30 | |
| | F-Dozer + R-Outrigger Down | | | | | *6.23 | 5.89 | *5.20 | 4.47 | *2.30 | *2.30 | |



| A(M) | Chassis Frame Attachment | 3 | | 4 | | 5 | | 6 | | MAX. REACH | | A(M) |
|------|----------------------------|---|---|---|---|---|---|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  | |
| 0 | R-Rear Dozer Only Up | | | 8.05 | 3.56 | 5.57 | 2.64 | 4.23 | 2.08 | *2.44 | 1.73 | 6.92 |
| | R-Rear Dozer Only Down | | | 8.05 | 4.95 | 5.57 | 3.59 | 4.23 | 2.80 | *2.44 | 2.31 | |
| | R-Outrigger Only Down | | | *8.17 | 8.11 | 5.85 | 5.61 | 4.45 | 4.27 | *2.44 | *2.44 | |
| | F-Dozer + R-Outrigger Down | | | *8.17 | *8.17 | *6.44 | 5.84 | *5.32 | 4.44 | *2.44 | *2.44 | |
| -1 | R-Rear Dozer Only Up | | | *8.02 | 3.56 | 5.55 | 2.63 | 4.23 | 2.08 | *2.67 | 1.85 | 6.58 |
| | R-Rear Dozer Only Down | | | *8.02 | 4.94 | 5.55 | 3.58 | 4.23 | 2.79 | *2.67 | 2.48 | |
| | R-Outrigger Only Down | | | *8.02 | *8.02 | 5.84 | 5.6 | 4.44 | 4.26 | *2.67 | *2.67 | |
| | F-Dozer + R-Outrigger Down | | | *8.02 | *8.02 | *6.40 | 5.82 | *5.24 | 4.43 | *2.67 | *2.67 | |

FEET (16' 4" Two-Piece Boom, 6' 11" Arm)

| A(ft) | Chassis Frame Attachment | 10 | | 15 | | 20 | | MAX. REACH | | A(ft) |
|-------|----------------------------|---|---|---|---|---|---|---|---|-------|
| | |  |  |  |  |  |  |  |  | |
| 25 | R-Rear Dozer Only Up | *10.05 | *10.05 | | | | | *6.17 | *6.17 | 13.09 |
| | R-Rear Dozer Only Down | *10.05 | *10.05 | | | | | *6.17 | *6.17 | |
| | R-Outrigger Only Down | *10.05 | *10.05 | | | | | *6.17 | *6.17 | |
| | F-Dozer + R-Outrigger Down | *10.05 | *10.05 | | | | | *6.17 | *6.17 | |
| 20 | R-Rear Dozer Only Up | *9.44 | *9.44 | *9.28 | 7.72 | | | *5.10 | *5.10 | 18.52 |
| | R-Rear Dozer Only Down | *9.44 | *9.44 | *9.28 | *9.28 | | | *5.10 | *5.10 | |
| | R-Outrigger Only Down | *9.44 | *9.44 | *9.28 | *9.28 | | | *5.10 | *5.10 | |
| | F-Dozer + R-Outrigger Down | *9.44 | *9.44 | *9.28 | *9.28 | | | *5.10 | *5.10 | |
| 15 | R-Rear Dozer Only Up | *12.64 | *12.64 | *10.28 | 7.53 | *9.43 | 4.88 | *4.79 | 4.32 | 21.52 |
| | R-Rear Dozer Only Down | *12.64 | *12.64 | *10.28 | 10.03 | *9.43 | 6.45 | *4.79 | *4.79 | |
| | R-Outrigger Only Down | *12.64 | *12.64 | *10.28 | *10.28 | *9.43 | *9.43 | *4.79 | *4.79 | |
| | F-Dozer + R-Outrigger Down | *12.64 | *12.64 | *10.28 | *10.28 | *9.43 | *9.43 | *4.79 | *4.79 | |
| 10 | R-Rear Dozer Only Up | | | *12.46 | 7.14 | 9.42 | 4.76 | *4.76 | 3.83 | 23.06 |
| | R-Rear Dozer Only Down | | | *12.46 | 9.61 | 9.42 | 6.31 | *4.76 | *4.76 | |
| | R-Outrigger Only Down | | | *12.46 | *12.46 | 9.89 | 9.49 | *4.76 | *4.76 | |
| | F-Dozer + R-Outrigger Down | | | *12.46 | *12.46 | *10.14 | 9.86 | *4.76 | *4.76 | |
| 5 | R-Rear Dozer Only Up | | | 14.41 | 6.76 | 9.24 | 4.60 | *4.95 | 3.69 | 23.44 |
| | R-Rear Dozer Only Down | | | 14.41 | 9.19 | 9.24 | 6.15 | *4.95 | 4.92 | |
| | R-Outrigger Only Down | | | *14.61 | 14.52 | 9.70 | 9.31 | *4.95 | *4.95 | |
| | F-Dozer + R-Outrigger Down | | | *14.61 | *14.61 | *11.06 | 9.68 | *4.95 | *4.95 | |
| 0 | R-Rear Dozer Only Up | | | 14.16 | 6.56 | 9.12 | 4.50 | *5.38 | 3.81 | 22.72 |
| | R-Rear Dozer Only Down | | | 14.16 | 8.98 | 9.12 | 6.04 | *5.38 | 5.10 | |
| | R-Outrigger Only Down | | | 14.87 | 14.27 | 9.58 | 9.19 | *5.38 | *5.38 | |
| | F-Dozer + R-Outrigger Down | | | *15.62 | 14.83 | *11.55 | 9.56 | *5.38 | *5.38 | |
| -5 | R-Rear Dozer Only Up | | | 14.14 | 6.54 | 9.13 | 4.51 | 9.10 | 4.49 | 20.06 |
| | R-Rear Dozer Only Down | | | 14.14 | 8.96 | 9.13 | 6.05 | 9.10 | 6.03 | |
| | R-Outrigger Only Down | | | 14.85 | 14.24 | 9.60 | 9.20 | 9.56 | 9.17 | |
| | F-Dozer + R-Outrigger Down | | | *15.13 | 14.81 | *10.86 | 9.57 | *10.81 | 9.54 | |

1. Ratings are based on ISO 10567.
2. Load point is the end of arm.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hyd. Capacity or 75% of tipping capacity.























- Boom : 4.988 m (16' 4") Two-Piece Boom
- Arm : 2.5 m (8' 2")
- Bucket : Without Bucket
- C/WEIGHT : 2,200 kg
- UNIT : 1000 kg (1000 lb)
-  : Rated lift capacity - over front
-  : Rated lift capacity - over side

FG008130









Figure 56

METRIC (4.988 m Two-Piece Boom, 2.5 m Arm)

| A(M) B(M) | Chassis Frame Attachment | 3 | | 4 | | 5 | | 6 | | MAX. REACH | | A(M) |
|--------------|----------------------------|---|---|---|---|---|--|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  | |
| 7 | R-Rear Dozer Only Up | *3.54 | *3.54 | *3.76 | *3.76 | *3.42 | 3.06 | | | *1.37 | *1.37 | 5.45 |
| | R-Rear Dozer Only Down | *3.54 | *3.54 | *3.76 | *3.76 | *3.42 | *3.42 | | | *1.37 | *1.37 | |
| | R-Outrigger Only Down | *3.54 | *3.54 | *3.76 | *3.76 | *3.42 | *3.42 | | | *1.37 | *1.37 | |
| | F-Dozer + R-Outrigger Down | *3.54 | *3.54 | *3.76 | *3.76 | *3.42 | *3.42 | | | *1.37 | *1.37 | |
| 6 | R-Rear Dozer Only Up | *3.61 | *3.61 | *3.77 | *3.77 | *3.82 | 3.08 | *3.00 | 2.30 | *1.25 | *1.25 | 6.28 |
| | R-Rear Dozer Only Down | *3.61 | *3.61 | *3.77 | *3.77 | *3.82 | *3.82 | *3.00 | *3.00 | *1.25 | *1.25 | |
| | R-Outrigger Only Down | *3.61 | *3.61 | *3.77 | *3.77 | *3.82 | *3.82 | *3.00 | *3.00 | *1.25 | *1.25 | |
| | F-Dozer + R-Outrigger Down | *3.61 | *3.61 | *3.77 | *3.77 | *3.82 | *3.82 | *3.00 | *3.00 | *1.25 | *1.25 | |
| 5 | R-Rear Dozer Only Up | *3.81 | *3.81 | *4.20 | *4.20 | *4.01 | 3.05 | *3.93 | 2.30 | *1.18 | *1.18 | 6.86 |
| | R-Rear Dozer Only Down | *3.81 | *3.81 | *4.20 | *4.20 | *4.01 | *4.01 | *3.93 | 3.03 | *1.18 | *1.18 | |
| | R-Outrigger Only Down | *3.81 | *3.81 | *4.20 | *4.20 | *4.01 | *4.01 | *3.93 | *3.93 | *1.18 | *1.18 | |
| | F-Dozer + R-Outrigger Down | *3.81 | *3.81 | *4.20 | *4.20 | *4.01 | *4.01 | *3.93 | *3.93 | *1.18 | *1.18 | |
| 4 | R-Rear Dozer Only Up | | | *4.97 | 4.13 | *4.43 | 2.97 | *4.12 | 2.26 | *1.15 | *1.15 | 7.25 |
| | R-Rear Dozer Only Down | | | *4.97 | *4.97 | *4.43 | 3.94 | *4.12 | 2.99 | *1.15 | *1.15 | |
| | R-Outrigger Only Down | | | *4.97 | *4.97 | *4.43 | *4.43 | *4.12 | *4.12 | *1.15 | *1.15 | |
| | F-Dozer + R-Outrigger Down | | | *4.97 | *4.97 | *4.43 | *4.43 | *4.12 | *4.12 | *1.15 | *1.15 | |
| 3 | R-Rear Dozer Only Up | | | *5.98 | 3.94 | *4.98 | 2.87 | 4.39 | 2.21 | *1.13 | *1.13 | 7.49 |
| | R-Rear Dozer Only Down | | | *5.98 | 5.36 | *4.98 | 3.83 | 4.39 | 2.93 | *1.13 | *1.13 | |
| | R-Outrigger Only Down | | | *5.98 | *5.98 | *4.98 | *4.98 | *4.43 | 4.42 | *1.13 | *1.13 | |
| | F-Dozer + R-Outrigger Down | | | *5.98 | *5.98 | *4.98 | *4.98 | *4.43 | *4.43 | *1.13 | *1.13 | |
| 2 | R-Rear Dozer Only Up | | | | | *5.56 | 2.77 | 4.32 | 2.15 | *1.14 | *1.14 | 7.59 |
| | R-Rear Dozer Only Down | | | | | *5.56 | 3.72 | 4.32 | 2.87 | *1.14 | *1.14 | |
| | R-Outrigger Only Down | | | | | *5.56 | *5.56 | 4.53 | 4.35 | *1.14 | *1.14 | |
| | F-Dozer + R-Outrigger Down | | | | | *5.56 | *5.56 | *4.77 | 4.52 | *1.14 | *1.14 | |
| 1 | R-Rear Dozer Only Up | | | *7.73 | 3.61 | 5.62 | 2.68 | 4.26 | 2.10 | *1.16 | *1.16 | 7.56 |
| | R-Rear Dozer Only Down | | | *7.73 | 5.00 | 5.62 | 3.63 | 4.26 | 2.82 | *1.16 | *1.16 | |
| | R-Outrigger Only Down | | | *7.73 | *7.73 | 5.90 | 5.66 | 4.47 | 4.29 | *1.16 | *1.16 | |
| | F-Dozer + R-Outrigger Down | | | *7.73 | *7.73 | *6.04 | 5.89 | *5.06 | 4.46 | *1.16 | *1.16 | |
| 0 | R-Rear Dozer Only Up | | | 8.03 | 3.54 | 5.55 | 2.62 | 4.21 | 2.06 | *1.20 | *1.20 | 7.39 |
| | R-Rear Dozer Only Down | | | 8.03 | 4.92 | 5.55 | 3.57 | 4.21 | 2.78 | *1.20 | *1.20 | |
| | R-Outrigger Only Down | | | *8.08 | *8.08 | 5.83 | 5.59 | 4.43 | 4.25 | *1.20 | *1.20 | |
| | F-Dozer + R-Outrigger Down | | | *8.08 | *8.08 | *6.34 | 5.82 | *5.25 | 4.42 | *1.20 | *1.20 | |

| A(M) B(M) | Chassis Frame Attachment | 3 | | 4 | | 5 | | 6 | | MAX. REACH | | A(M) |
|--------------|----------------------------|---|---|---|---|---|---|---|---|---|---|------|
| | |  |  |  |  |  |  |  |  |  |  | |
| -1 | R-Rear Dozer Only Up | *6.00 | 5.35 | 8.00 | 3.51 | 5.52 | 2.60 | 4.19 | 2.04 | *1.31 | *1.31 | 7.07 |
| | R-Rear Dozer Only Down | *6.00 | *6.00 | 8.00 | 4.89 | 5.52 | 3.54 | 4.19 | 2.76 | *1.31 | *1.31 | |
| | R-Outrigger Only Down | *6.00 | *6.00 | *8.08 | 8.05 | 5.80 | 5.56 | 4.41 | 4.23 | *1.31 | *1.31 | |
| | F-Dozer + R-Outrigger Down | *6.00 | *6.00 | *8.08 | *8.08 | *6.41 | 5.78 | *5.27 | 4.40 | *1.31 | *1.31 | |
| -2 | R-Rear Dozer Only Up | | | *7.75 | 3.53 | 5.52 | 2.60 | 4.20 | 2.05 | 4.09 | 2.00 | 6.12 |
| | R-Rear Dozer Only Down | | | *7.75 | 4.91 | 5.52 | 3.55 | 4.2 | 2.77 | 4.09 | 2.7 | |
| | R-Outrigger Only Down | | | *7.75 | *7.75 | 5.81 | 5.57 | 4.42 | 4.24 | 4.3 | 4.12 | |
| | F-Dozer + R-Outrigger Down | | | *7.75 | *7.75 | *6.19 | 5.79 | *5.00 | 4.41 | *4.86 | 4.29 | |

FEET (16' 4" Two-Piece Boom, 8' 2" Arm)

| A(ft) B(ft) | Chassis Frame Attachment | 10 | | 15 | | 20 | | MAX. REACH | | A(ft) |
|----------------|----------------------------|---|---|---|---|---|---|---|---|-------|
| | |  |  |  |  |  |  |  |  | |
| 25 | R-Rear Dozer Only Up | *8.38 | *8.38 | *6.30 | *6.30 | | | *3.34 | *3.34 | 15.61 |
| | R-Rear Dozer Only Down | *8.38 | *8.38 | *6.30 | *6.30 | | | *3.34 | *3.34 | |
| | R-Outrigger Only Down | *8.38 | *8.38 | *6.30 | *6.30 | | | *3.34 | *3.34 | |
| | F-Dozer + R-Outrigger Down | *8.38 | *8.38 | *6.30 | *6.30 | | | *3.34 | *3.34 | |
| 20 | R-Rear Dozer Only Up | *8.03 | *8.03 | *8.35 | 7.82 | *5.14 | 4.90 | *2.77 | *2.77 | 20.37 |
| | R-Rear Dozer Only Down | *8.03 | *8.03 | *8.35 | *8.35 | *5.14 | *5.14 | *2.77 | *2.77 | |
| | R-Outrigger Only Down | *8.03 | *8.03 | *8.35 | *8.35 | *5.14 | *5.14 | *2.77 | *2.77 | |
| | F-Dozer + R-Outrigger Down | *8.03 | *8.03 | *8.35 | *8.35 | *5.14 | *5.14 | *2.77 | *2.77 | |
| 15 | R-Rear Dozer Only Up | *9.54 | *9.54 | *9.45 | 7.61 | *8.78 | 4.92 | *2.56 | *2.56 | 23.12 |
| | R-Rear Dozer Only Down | *9.54 | *9.54 | *9.45 | *9.45 | *8.78 | 6.49 | *2.56 | *2.56 | |
| | R-Outrigger Only Down | *9.54 | *9.54 | *9.45 | *9.45 | *8.78 | *8.78 | *2.56 | *2.56 | |
| | F-Dozer + R-Outrigger Down | *9.54 | *9.54 | *9.45 | *9.45 | *8.78 | *8.78 | *2.56 | *2.56 | |
| 10 | R-Rear Dozer Only Up | | | *11.69 | 7.19 | 9.44 | 4.76 | *2.50 | *2.50 | 24.55 |
| | R-Rear Dozer Only Down | | | *11.69 | 9.67 | 9.44 | 6.32 | *2.50 | *2.50 | |
| | R-Outrigger Only Down | | | *11.69 | *11.69 | *9.64 | 9.51 | *2.50 | *2.50 | |
| | F-Dozer + R-Outrigger Down | | | *11.69 | *11.69 | *9.64 | *9.64 | *2.50 | *2.50 | |
| 5 | R-Rear Dozer Only Up | | | *14.04 | 6.77 | 9.23 | 4.58 | *2.52 | *2.52 | 24.91 |
| | R-Rear Dozer Only Down | | | *14.04 | 9.21 | 9.23 | 6.13 | *2.52 | *2.52 | |
| | R-Outrigger Only Down | | | *14.04 | *14.04 | 9.69 | 9.30 | *2.52 | *2.52 | |
| | F-Dozer + R-Outrigger Down | | | *14.04 | *14.04 | *10.70 | 9.67 | *2.52 | *2.52 | |
| 0 | R-Rear Dozer Only Up | | | 14.11 | 6.51 | 9.07 | 4.45 | *2.65 | *2.65 | 24.24 |
| | R-Rear Dozer Only Down | | | 14.11 | 8.93 | 9.07 | 5.99 | *2.65 | *2.65 | |
| | R-Outrigger Only Down | | | 14.83 | 14.22 | 9.54 | 9.14 | *2.65 | *2.65 | |
| | F-Dozer + R-Outrigger Down | | | *15.39 | 14.79 | *11.40 | 9.51 | *2.65 | *2.65 | |
| -5 | R-Rear Dozer Only Up | *16.78 | 11.55 | 14.04 | 6.45 | 9.04 | 4.42 | *7.37 | 3.93 | 22 |
| | R-Rear Dozer Only Down | *16.78 | *16.78 | 14.04 | 8.86 | 9.04 | 5.96 | *7.37 | 5.27 | |
| | R-Outrigger Only Down | *16.78 | *16.78 | 14.75 | 14.14 | 9.50 | 9.11 | *7.37 | *7.37 | |
| | F-Dozer + R-Outrigger Down | *16.78 | *16.78 | *15.33 | 14.71 | *11.20 | 9.48 | *7.37 | *7.37 | |

1. Ratings are based on ISO 10567.
2. Load point is the end of arm.
3. * Rated loads are based on hydraulic capacity.
4. Rated loads do not exceed 87% of hyd. Capacity or 75% of tipping capacity.