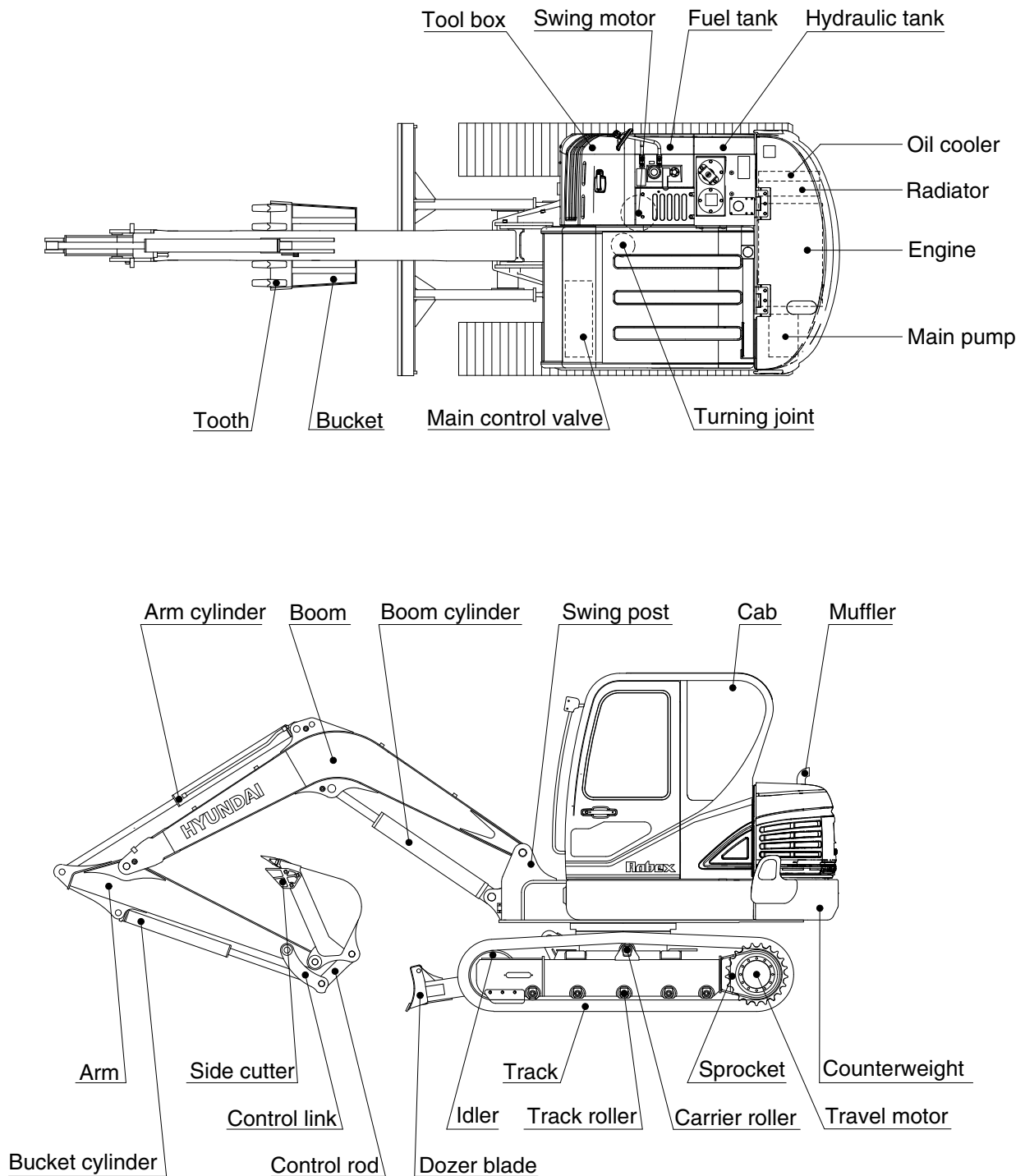


# SPECIFICATIONS

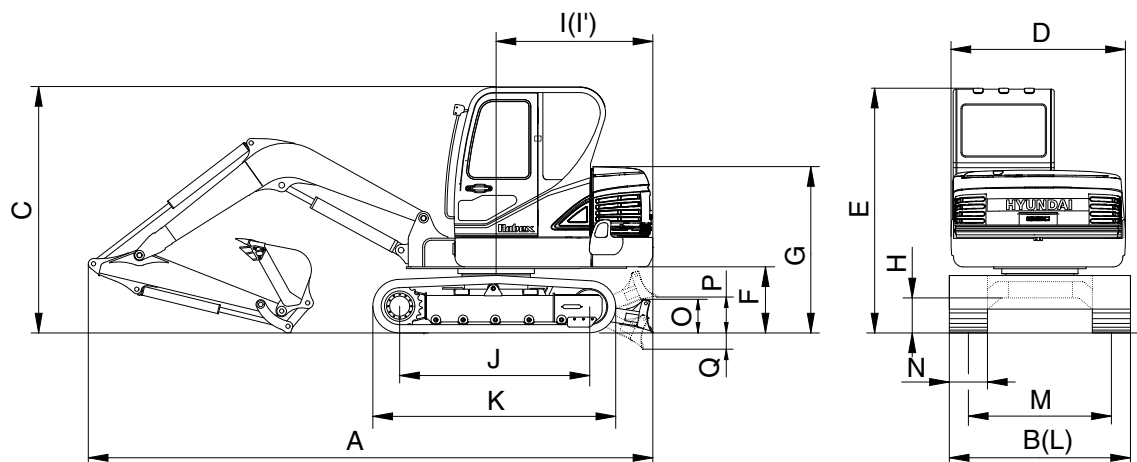
## 1. MAJOR COMPONENT



559A2SP01

## 2. SPECIFICATIONS

### 1) 3.0 m ( 9' 10") MONO BOOM, 1.6 m ( 5' 3") ARM, WITH BOOM SWING SYSTEM



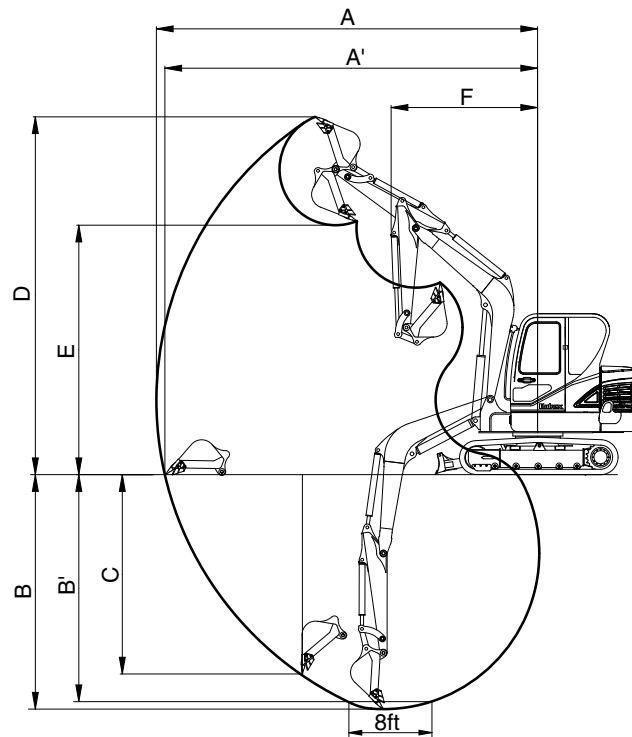
559A2SP02

| Description                            |    | Unit                              | Specification                |
|----------------------------------------|----|-----------------------------------|------------------------------|
| Operating weight                       |    | kg (lb)                           | 5650 (12460) / ★5805 (12800) |
| Bucket capacity (SAE heaped), standard |    | m <sup>3</sup> (yd <sup>3</sup> ) | 0.18 (0.24)                  |
| Overall length                         | A  | mm (ft-in)                        | 5900 (19' 4")                |
| Overall width, with 380 mm shoe        | B  |                                   | 1920 (6' 4")                 |
| Overall height                         | C  |                                   | 2550 (8' 4")                 |
| Superstructure width                   | D  |                                   | 1850 (6' 1")                 |
| Overall height of cab                  | E  |                                   | 2550 (8' 4")                 |
| Ground clearance of counterweight      | F  |                                   | 690 (2' 3")                  |
| Engine cover height                    | G  |                                   | 1690 (5' 7")                 |
| Minimum ground clearance               | H  |                                   | 380 (1' 3")                  |
| Rear-end distance                      | I  |                                   | 1650 (5' 5")                 |
| Rear-end swing radius                  | I' |                                   | 1650 (5' 5")                 |
| Distance between tumblers              | J  |                                   | 1990 (6' 6")                 |
| Undercarriage length                   | K  |                                   | 2530 (8' 4")                 |
| Undercarriage width                    | L  |                                   | 1880 (6' 2")                 |
| Track gauge                            | M  |                                   | 1500 (4' 11")                |
| Track shoe width, standard             | N  |                                   | 380 (15")                    |
| Height of blade                        | O  |                                   | 350 (1' 2") / ★403 (1' 4")   |
| Ground clearance of blade up           | P  |                                   | 390 (1' 3") / ★398 (1' 4")   |
| Depth of blade down                    | Q  |                                   | 590 (1' 11") / ★682 (2' 3")  |
| Travel speed (low/high)                |    | km/hr (mph)                       | 2.2/4.2 (1.4/2.6)            |
| Swing speed                            |    | rpm                               | 9.1                          |
| Gradeability                           |    | Degree (%)                        | 35 (70)                      |
| Ground pressure (380 mm shoe)          |    | kgf/cm <sup>2</sup> (psi)         | 0.34 (4.83)                  |
| Max traction force                     |    | kg (lb)                           | 5300 (11680)                 |

★ : Angle dozer blade (25 degree left and right angle)

### 3. WORKING RANGE

#### 1) 3.0 m (9' 10") MONO BOOM WITH BOOM SWING SYSTEM



559A2SP03

| Description                     |     | 1.6 m (5' 3") Arm |
|---------------------------------|-----|-------------------|
| Max digging reach               | A   | 6150 mm (20' 2")  |
| Max digging reach on ground     | A'  | 6010 mm (19' 9")  |
| Max digging depth               | B   | 3820 mm (12' 6")  |
| Max digging depth (8ft level)   | B'  | 3420 mm (11' 3")  |
| Max vertical wall digging depth | C   | 3200 mm (10' 6")  |
| Max digging height              | D   | 5780 mm (19' 0")  |
| Max dumping height              | E   | 4050 mm (13' 3")  |
| Min swing radius                | F   | 2350 mm ( 7' 9")  |
| Boom swing radius (left/right)  |     | 80°/50°           |
| Bucket digging force            | SAE | 37.7 kN           |
|                                 |     | 3850 kgf          |
|                                 |     | 8490 lbf          |
|                                 | ISO | 42.4 kN           |
|                                 |     | 4330 kgf          |
|                                 |     | 9550 lbf          |
| Arm crowd force                 | SAE | 28.4 kN           |
|                                 |     | 2900 kgf          |
|                                 |     | 6390 lbf          |
|                                 | ISO | 31.9 kN           |
|                                 |     | 3260 kgf          |
|                                 |     | 7190 lbf          |

## 4. WEIGHT

| Item                                                                                     | kg   | lb   |
|------------------------------------------------------------------------------------------|------|------|
| Upperstructure assembly                                                                  | 2710 | 5970 |
| Main frame weld assembly                                                                 | 600  | 1320 |
| Engine assembly                                                                          | 270  | 595  |
| Main pump assembly                                                                       | 30   | 70   |
| Main control valve assembly                                                              | 45   | 100  |
| Swing motor assembly                                                                     | 75   | 165  |
| Hydraulic oil tank assembly                                                              | 90   | 200  |
| Fuel tank assembly                                                                       | 60   | 130  |
| Boom swing post                                                                          | 110  | 240  |
| Counterweight                                                                            | 235  | 520  |
| Cab assembly                                                                             | 350  | 770  |
| Lower chassis assembly                                                                   | 2150 | 4740 |
| Track frame weld assembly                                                                | 700  | 1540 |
| Swing bearing                                                                            | 90   | 200  |
| Travel motor assembly                                                                    | 80   | 180  |
| Turning joint                                                                            | 30   | 70   |
| Track recoil spring                                                                      | 20   | 45   |
| Idler & tension body                                                                     | 60   | 130  |
| Carrier roller                                                                           | 12   | 26   |
| Track roller                                                                             | 12   | 26   |
| Sprocket                                                                                 | 20   | 40   |
| Track-chain assembly (380 mm standard triple grouser shoe)                               | 320  | 710  |
| Dozer blade assembly                                                                     | 210  | 460  |
| Front attachment assembly (3.0 m boom, 1.6 m arm, 0.18 m <sup>3</sup> SAE heaped bucket) | 790  | 1740 |
| 3.0 m boom assembly                                                                      | 240  | 530  |
| 1.6 m arm assembly                                                                       | 114  | 251  |
| 0.18 m <sup>3</sup> SAE heaped bucket                                                    | 170  | 370  |
| Boom cylinder assembly                                                                   | 78   | 172  |
| Arm cylinder assembly                                                                    | 65   | 143  |
| Bucket cylinder assembly                                                                 | 37   | 82   |
| Bucket control link assembly                                                             | 40   | 90   |
| Dozer cylinder assembly                                                                  | 40   | 90   |
| Boom swing cylinder assembly                                                             | 40   | 90   |

## 5. LIFTING CAPACITIES

| Type         | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outrigger |      |
|--------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO<br>BOOM | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|              | 3000        | 1600        | 235           | 380        | -          | Down  | -    | -         | -    |

·  : Rating over-front

·  : Rating over-side or 360 degree

| Load point<br>height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|----------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                      |          | 2.0 m (7 ft)                                                                      |                                                                                   | 3.0 m (10 ft)                                                                     |                                                                                   | 4.0 m (13 ft)                                                                     |                                                                                   | 5.0 m (16 ft)                                                                     |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                      |          |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 5.0 m<br>(16 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *950<br>*2090                                                                       | *950<br>*2090                                                                       | 4.12<br>(13.5) |
| 4.0 m<br>(13 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1020<br>*2250                                                                    | *1020<br>*2250                                                                    |                                                                                   |                                                                                     | *980<br>*2160                                                                       | 780<br>1720                                                                         | 5.08<br>(16.7) |
| 3.0 m<br>(10 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1090<br>*2400                                                                    | *1090<br>*2400                                                                    |                                                                                   |                                                                                     | *1010<br>*2230                                                                      | 650<br>1430                                                                         | 5.60<br>(18.4) |
| 2.0 m<br>(7 ft)      | kg<br>lb | *3050<br>*6720                                                                    | *3050<br>*6720                                                                    | *1690<br>*3730                                                                    | *1690<br>*3730                                                                    | *1320<br>*2910                                                                    | 1100<br>2430                                                                      | *1170<br>*2580                                                                    | 760<br>1680                                                                         | *1050<br>*2310                                                                      | 590<br>1300                                                                         | 5.84<br>(19.2) |
| 1.0 m<br>(3 ft)      | kg<br>lb |                                                                                   |                                                                                   | *2360<br>*5200                                                                    | 1610<br>3550                                                                      | *1600<br>*3530                                                                    | 1040<br>2290                                                                      | *1280<br>*2820                                                                    | 740<br>1630                                                                         | *1100<br>*2430                                                                      | 580<br>1280                                                                         | 5.85<br>(19.2) |
| Ground<br>Line       | kg<br>lb | *2350<br>*5180                                                                    | *2350<br>*5180                                                                    | *2700<br>*5950                                                                    | 1540<br>3400                                                                      | *1790<br>*3950                                                                    | 1000<br>2200                                                                      | *1350<br>*2980                                                                    | 720<br>1590                                                                         | *1140<br>*2510                                                                      | 610<br>1340                                                                         | 5.63<br>(18.5) |
| -1.0 m<br>(-3 ft)    | kg<br>lb | *3600<br>*7940                                                                    | 3020<br>6660                                                                      | *2670<br>*5890                                                                    | 1530<br>3370                                                                      | *1800<br>*3970                                                                    | 990<br>2180                                                                       |                                                                                   |                                                                                     | *1180<br>*2600                                                                      | 700<br>1540                                                                         | 5.13<br>(16.8) |
| -2.0 m<br>(-7 ft)    | kg<br>lb | *3770<br>*8310                                                                    | 3060<br>6750                                                                      | *2300<br>*5070                                                                    | 1540<br>3400                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *1140<br>*2510                                                                      | 960<br>2120                                                                         | 4.23<br>(13.9) |
| -3.0 m<br>(-10 ft)   | kg<br>lb | *2040<br>*4500                                                                    | *2040<br>*4500                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |

### ※ Note

1. Lifting capacity are based on SAE J1097 and ISO 10567.
2. Lifting capacity of the ROBEX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. \*indicates load limited by hydraulic capacity.

### ※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

Consult your Hyundai dealer regarding the lifting capacities for specific work tools and attachments.

**▲** Failure to comply to the rated load can cause possible personal injury or property damage.

Make adjustments to the rated load as necessary for non-standard configurations.

| Type         | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outtriger |      |
|--------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO<br>BOOM | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|              | 3000        | 1600        | 235           | 380        | -          | Up    | -    | -         | -    |

·  : Rating over-front

·  : Rating over-side or 360 degree

| Load point<br>height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|----------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                      |          | 2.0 m (7 ft)                                                                      |                                                                                   | 3.0 m (10 ft)                                                                     |                                                                                   | 4.0 m (13 ft)                                                                     |                                                                                   | 5.0 m (16 ft)                                                                     |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                      |          |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 5.0 m<br>(16 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *950<br>*2090                                                                       | *950<br>*2090                                                                       | 4.12<br>(13.5) |
| 4.0 m<br>(13 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1020<br>*2250                                                                    | *1020<br>*2250                                                                    |                                                                                   |                                                                                     | *980<br>*2160                                                                       | 740<br>1630                                                                         | 5.08<br>(16.7) |
| 3.0 m<br>(10 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1090<br>*2400                                                                    | *1080<br>*2380                                                                    |                                                                                   |                                                                                     | 890<br>1960                                                                         | 610<br>1340                                                                         | 5.60<br>(18.4) |
| 2.0 m<br>(7 ft)      | kg<br>lb | *3050<br>*6720                                                                    | *3050<br>*6720                                                                    | *1690<br>*3730                                                                    | 1630<br>3590                                                                      | *1320<br>*2910                                                                    | 1030<br>2270                                                                      | 1040<br>2290                                                                      | 710<br>1570                                                                         | 810<br>1790                                                                         | 550<br>1210                                                                         | 5.84<br>(19.2) |
| 1.0 m<br>(3 ft)      | kg<br>lb |                                                                                   |                                                                                   | 2250<br>4960                                                                      | 1510<br>3330                                                                      | 1430<br>3150                                                                      | 980<br>2160                                                                       | 1010<br>2230                                                                      | 690<br>1520                                                                         | 800<br>1760                                                                         | 540<br>1190                                                                         | 5.85<br>(19.2) |
| Ground<br>Line       | kg<br>lb | *2350<br>*5180                                                                    | *2350<br>*5180                                                                    | 2170<br>4780                                                                      | 1440<br>3170                                                                      | 1390<br>3060                                                                      | 940<br>2070                                                                       | 990<br>3180                                                                       | 670<br>1480                                                                         | 840<br>1850                                                                         | 570<br>1260                                                                         | 5.63<br>(18.5) |
| -1.0 m<br>(-3 ft)    | kg<br>lb | *3600<br>*7940                                                                    | 2780<br>6130                                                                      | 2150<br>4740                                                                      | 1420<br>3130                                                                      | 1370<br>3020                                                                      | 930<br>2050                                                                       |                                                                                   |                                                                                     | 970<br>2140                                                                         | 600<br>1460                                                                         | 5.13<br>(16.8) |
| -2.0 m<br>(-7 ft)    | kg<br>lb | *3770<br>*8310                                                                    | 2830<br>6240                                                                      | 2170<br>4780                                                                      | 1440<br>3170                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *1140<br>*2510                                                                      | 900<br>1980                                                                         | 4.23<br>(13.9) |
| -3.0 m<br>(-10 ft)   | kg<br>lb | *2040<br>*4500                                                                    | *2040<br>*4500                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |

| Type      |                   | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outtriger |      |
|-----------|-------------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO BOOM | ANGLE DOZER BLADE | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|           |                   | 3000        | 1600        | 235           | 380        | -          | Down  | -    | -         | -    |

·  : Rating over-front

·  : Rating over-side or 360 degree

| Load point height  |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|--------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                    |          | 2.0 m (6.6 ft)                                                                    |                                                                                   | 3.0 m (9.8 ft)                                                                    |                                                                                   | 4.0 m (13.1 ft)                                                                   |                                                                                   | 5.0 m (16.4 ft)                                                                   |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                    |          |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 5.0 m<br>(16 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |
| 4.0 m<br>(13 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1240<br>*2730                                                                    | 1140<br>2510                                                                      |                                                                                   |                                                                                     | *1290<br>*2840                                                                      | 1020<br>2250                                                                        | 4.26<br>(14.0) |
| 3.0 m<br>(10 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1290<br>*2840                                                                    | 1120<br>2470                                                                      |                                                                                   |                                                                                     | *1260<br>*2780                                                                      | 810<br>1790                                                                         | 4.87<br>(16.0) |
| 2.0 m<br>(7 ft)    | kg<br>lb |                                                                                   |                                                                                   | *1980<br>*4370                                                                    | 1660<br>3660                                                                      | *1510<br>*3330                                                                    | 1080<br>2380                                                                      | *1340<br>*2950                                                                    | 770<br>1700                                                                         | *1270<br>*2800                                                                      | 720<br>1590                                                                         | 5.17<br>(17.0) |
| 1.0 m<br>(3 ft)    | kg<br>lb |                                                                                   |                                                                                   | *2620<br>*5780                                                                    | 1550<br>3420                                                                      | *1780<br>*3920                                                                    | 1030<br>2270                                                                      | *1430<br>*3150                                                                    | 750<br>1650                                                                         | *1360<br>*3000                                                                      | 700<br>1540                                                                         | 5.24<br>(17.2) |
| Ground<br>Line     | kg<br>lb |                                                                                   |                                                                                   | *2880<br>*6350                                                                    | 1490<br>3280                                                                      | *1940<br>*4280                                                                    | 1000<br>2200                                                                      | *1470<br>*3240                                                                    | 730<br>1610                                                                         | *1440<br>*3170                                                                      | 720<br>1590                                                                         | 5.08<br>(16.7) |
| -1.0 m<br>(-3 ft)  | kg<br>lb | *3100<br>*6830                                                                    | 2880<br>6350                                                                      | *2780<br>*6130                                                                    | 1480<br>3260                                                                      | *1910<br>*4210                                                                    | 990<br>2180                                                                       |                                                                                   |                                                                                     | *1500<br>*3310                                                                      | 800<br>1760                                                                         | 4.66<br>(15.3) |
| -2.0 m<br>(-7 ft)  | kg<br>lb | *3640<br>*8020                                                                    | 2940<br>6480                                                                      | *2310<br>*5090                                                                    | 1510<br>3330                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *1550<br>*3420                                                                      | 1050<br>2310                                                                        | 3.89<br>(12.8) |
| -3.0 m<br>(-10 ft) | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |

| Type         |                      | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outrigger |      |
|--------------|----------------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO<br>BOOM | ANGLE DOZER<br>BLADE | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|              |                      | 3000        | 1600        | 235           | 380        | -          | Up    | -    | -         | -    |

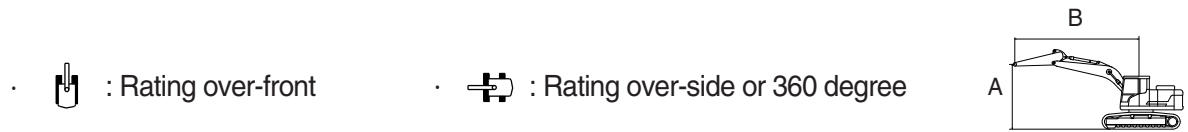
·  : Rating over-front

·  : Rating over-side or 360 degree

| Load point<br>height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|----------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                      |          | 2.0 m (6.6 ft)                                                                    |                                                                                   | 3.0 m (9.8 ft)                                                                    |                                                                                   | 4.0 m (13.1 ft)                                                                   |                                                                                   | 5.0 m (16.4 ft)                                                                   |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                      |          |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 5.0 m<br>(16 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |
| 4.0 m<br>(13 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 1210<br>2670                                                                      | 1050<br>2310                                                                      |                                                                                   |                                                                                     | 1080<br>2380                                                                        | 940<br>2070                                                                         | 4.26<br>(14.0) |
| 3.0 m<br>(10 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 1190<br>2620                                                                      | 1030<br>2270                                                                      |                                                                                   |                                                                                     | 860<br>1900                                                                         | 750<br>1650                                                                         | 4.87<br>(16.0) |
| 2.0 m<br>(7 ft)      | kg<br>lb |                                                                                   |                                                                                   | 1800<br>3970                                                                      | 1520<br>3350                                                                      | 1150<br>2540                                                                      | 990<br>2180                                                                       | 810<br>1790                                                                       | 700<br>1540                                                                         | 760<br>1680                                                                         | 660<br>1460                                                                         | 5.17<br>(17.0) |
| 1.0 m<br>(3 ft)      | kg<br>lb |                                                                                   |                                                                                   | 1680<br>3700                                                                      | 1410<br>3110                                                                      | 1100<br>2430                                                                      | 940<br>2070                                                                       | 790<br>1740                                                                       | 680<br>1500                                                                         | 730<br>1610                                                                         | 640<br>1410                                                                         | 5.24<br>(17.2) |
| Ground<br>Line       | kg<br>lb |                                                                                   |                                                                                   | 1620<br>3570                                                                      | 1350<br>2980                                                                      | 1060<br>2340                                                                      | 910<br>2010                                                                       | 770<br>1700                                                                       | 670<br>1480                                                                         | 760<br>1680                                                                         | 650<br>1430                                                                         | 5.08<br>(16.7) |
| -1.0 m<br>(-3 ft)    | kg<br>lb | *3100<br>*6830                                                                    | 2570<br>5670                                                                      | 1610<br>3550                                                                      | 1340<br>2950                                                                      | 1050<br>2310                                                                      | 900<br>1980                                                                       |                                                                                   |                                                                                     | 850<br>1870                                                                         | 730<br>1610                                                                         | 4.66<br>(15.3) |
| -2.0 m<br>(-7 ft)    | kg<br>lb | 3350<br>7390                                                                      | 2620<br>5780                                                                      | 1630<br>3590                                                                      | 1370<br>3020                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 1120<br>2470                                                                        | 960<br>2120                                                                         | 3.89<br>(12.8) |
| -3.0 m<br>(-10 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |

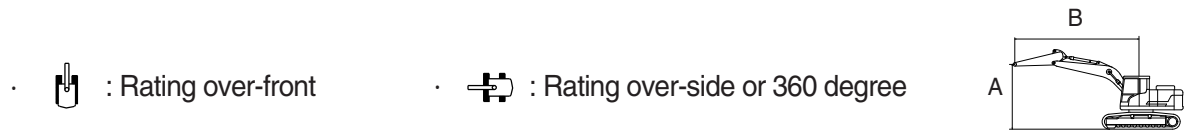


| Type         | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outtriger |      |
|--------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO<br>BOOM | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|              | 3000        | 1600        | 285           | 400        | -          | Down  | -    | -         | -    |



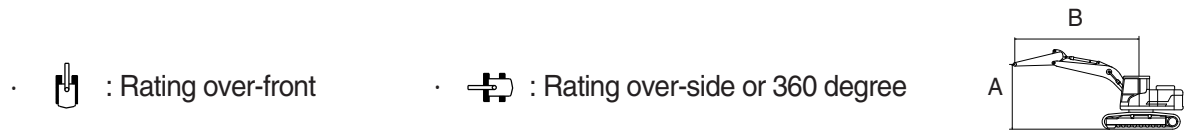
| Load point<br>height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|----------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                      |          | 2.0 m (6.6 ft)                                                                    |                                                                                   | 3.0 m (9.8 ft)                                                                    |                                                                                   | 4.0 m (13.1 ft)                                                                   |                                                                                   | 5.0 m (16.4 ft)                                                                   |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                      |          |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 4.0 m<br>(13.1 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1240<br>*2730                                                                    | 1130<br>2490                                                                      |                                                                                   |                                                                                     | *1290<br>*2840                                                                      | 1010<br>2230                                                                        | 4.26<br>(14.0) |
| 3.0 m<br>(9.8 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1290<br>*2840                                                                    | 1110<br>2450                                                                      |                                                                                   |                                                                                     | *1260<br>*2780                                                                      | 810<br>1790                                                                         | 4.87<br>(16.0) |
| 2.0 m<br>(6.6 ft)    | kg<br>lb |                                                                                   |                                                                                   | *1980<br>*4370                                                                    | 1650<br>3640                                                                      | *1510<br>*3330                                                                    | 1070<br>2360                                                                      | *1340<br>*2950                                                                    | 760<br>1680                                                                         | *1270<br>*2800                                                                      | 720<br>1590                                                                         | 5.17<br>(17.0) |
| 1.0 m<br>(3.3 ft)    | kg<br>lb |                                                                                   |                                                                                   | *2620<br>*5780                                                                    | 1530<br>3370                                                                      | *1780<br>*3920                                                                    | 1020<br>2250                                                                      | *1430<br>*3150                                                                    | 740<br>1630                                                                         | *1360<br>*3000                                                                      | 690<br>1520                                                                         | 5.24<br>(17.2) |
| Ground<br>Line       | kg<br>lb |                                                                                   |                                                                                   | *2880<br>*6350                                                                    | 1480<br>3260                                                                      | *1940<br>*4280                                                                    | 990<br>2180                                                                       | *1470<br>*3240                                                                    | 730<br>1610                                                                         | *1440<br>*3170                                                                      | 710<br>1570                                                                         | 5.08<br>(16.7) |
| -1.0 m<br>(-3.3 ft)  | kg<br>lb | *3100<br>*6830                                                                    | 2860<br>6310                                                                      | *2780<br>*6130                                                                    | 1470<br>3240                                                                      | *1910<br>*4210                                                                    | 980<br>2160                                                                       |                                                                                   |                                                                                     | *1500<br>*3310                                                                      | 800<br>1760                                                                         | 4.66<br>(15.3) |
| -2.0 m<br>(-6.6 ft)  | kg<br>lb | *3640<br>*8020                                                                    | 2920<br>6440                                                                      | *2310<br>*5090                                                                    | 1490<br>3280                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *1550<br>*3420                                                                      | 1040<br>2290                                                                        | 3.89<br>(12.8) |
| -3.0 m<br>(-9.8 ft)  | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |

| Type         | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outtriger |      |
|--------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO<br>BOOM | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|              | 3000        | 1600        | 285           | 400        | -          | Up    | -    | -         | -    |



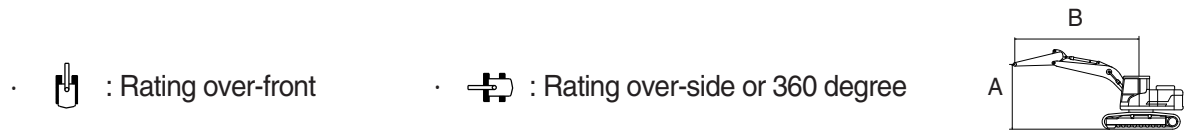
| Load point<br>height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|----------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                      |          | 2.0 m (6.6 ft)                                                                    |                                                                                   | 3.0 m (9.8 ft)                                                                    |                                                                                   | 4.0 m (13.1 ft)                                                                   |                                                                                   | 5.0 m (16.4 ft)                                                                   |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                      |          |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 4.0 m<br>(13.1 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1240<br>*2730                                                                    | 1030<br>2270                                                                      |                                                                                   |                                                                                     | 1140<br>2510                                                                        | 930<br>2050                                                                         | 4.26<br>(14.0) |
| 3.0 m<br>(9.8 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 1260<br>2780                                                                      | 1020<br>2250                                                                      |                                                                                   |                                                                                     | 910<br>2010                                                                         | 740<br>1630                                                                         | 4.87<br>(16.0) |
| 2.0 m<br>(6.6 ft)    | kg<br>lb |                                                                                   |                                                                                   | 1910<br>4210                                                                      | 1500<br>3310                                                                      | 1220<br>2690                                                                      | 980<br>2160                                                                       | 860<br>1900                                                                       | 690<br>1520                                                                         | 810<br>1790                                                                         | 650<br>1430                                                                         | 5.17<br>(17.0) |
| 1.0 m<br>(3.3 ft)    | kg<br>lb |                                                                                   |                                                                                   | 1780<br>3920                                                                      | 1380<br>3040                                                                      | 1170<br>2580                                                                      | 930<br>2050                                                                       | 840<br>1850                                                                       | 670<br>1480                                                                         | 780<br>1720                                                                         | 630<br>1390                                                                         | 5.24<br>(17.2) |
| Ground<br>Line       | kg<br>lb |                                                                                   |                                                                                   | 1730<br>3810                                                                      | 1330<br>2930                                                                      | 1130<br>2490                                                                      | 890<br>1960                                                                       | 820<br>1810                                                                       | 660<br>1460                                                                         | 810<br>1790                                                                         | 640<br>1410                                                                         | 5.08<br>(16.7) |
| -1.0 m<br>(-3.3 ft)  | kg<br>lb | *3100<br>*6830                                                                    | 2530<br>5580                                                                      | 1720<br>3790                                                                      | 1320<br>2910                                                                      | 1120<br>2470                                                                      | 880<br>1940                                                                       |                                                                                   |                                                                                     | 910<br>2010                                                                         | 720<br>1590                                                                         | 4.66<br>(15.3) |
| -2.0 m<br>(-6.6 ft)  | kg<br>lb | 3600<br>7940                                                                      | 2580<br>5690                                                                      | 1740<br>3840                                                                      | 1350<br>2980                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 1190<br>2620                                                                        | 940<br>2070                                                                         | 3.89<br>(12.8) |
| -3.0 m<br>(-9.8 ft)  | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |

| Type         | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outtriger |      |
|--------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO<br>BOOM | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|              | 3000        | 1900        | 285           | 400        | -          | Down  | -    | -         | -    |



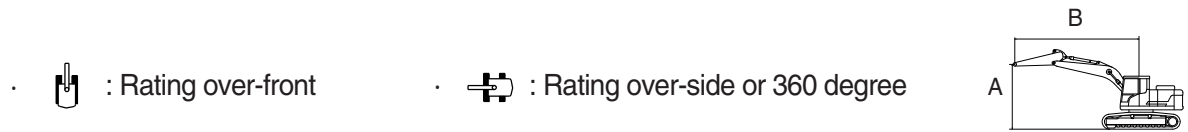
| Load point<br>height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach  |                |                |
|----------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|----------------|----------------|
|                      |          | 1.0 m (3.3 ft)                                                                    |                                                                                   | 2.0 m (6.6 ft)                                                                    |                                                                                   | 3.0 m (9.8 ft)                                                                    |                                                                                   | 4.0 m (13.1 ft)                                                                   |                                                                                   | 5.0 m (16.4 ft)                                                                   |                                                                                     | Capacity       |                | Reach          |
|                      |          |  |  |  |  |  |  |  |  |  |  |                |                | m (ft)         |
| 5.0 m<br>(16.4 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *1210<br>*2670 | *1210<br>*2670 | 3.64<br>(11.9) |
| 4.0 m<br>(13.1 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1070<br>*2360                                                                    | *1070<br>*2360                                                                    |                                                                                   |                                                                                     | *1090<br>*2400 | 890<br>1960    | 4.63<br>(15.2) |
| 3.0 m<br>(9.8 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1150<br>*2540                                                                    | 1130<br>2490                                                                      | *1180<br>*2600                                                                    | 780<br>1720                                                                         | *1030<br>*2270 | 730<br>1610    | 5.19<br>(17.0) |
| 2.0 m<br>(6.6 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1750<br>*3860                                                                    | 1680<br>3700                                                                      | *1400<br>*3090                                                                    | 1080<br>2380                                                                      | *1250<br>*2760                                                                    | 770<br>1700                                                                         | *1040<br>*2290 | 660<br>1460    | 5.47<br>(18.0) |
| 1.0 m<br>(3.3 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *2460<br>*5420                                                                    | 1560<br>3440                                                                      | *1690<br>*3730                                                                    | 1030<br>2270                                                                      | *1380<br>*3040                                                                    | 740<br>1630                                                                         | *1100<br>*2430 | 640<br>1410    | 5.53<br>(18.2) |
| Ground<br>Line       | kg<br>lb |                                                                                   |                                                                                   | *1490<br>*3280                                                                    | *1490<br>*3280                                                                    | *2840<br>*6260                                                                    | 1490<br>3280                                                                      | *1910<br>*4210                                                                    | 990<br>2180                                                                       | *1460<br>*3220                                                                    | 720<br>1590                                                                         | *1230<br>*2710 | 650<br>1430    | 5.38<br>(17.7) |
| -1.0 m<br>(-3.3 ft)  | kg<br>lb | *1930<br>*4250                                                                    | *1930<br>*4250                                                                    | *2720<br>*6000                                                                    | *2720<br>*6000                                                                    | *2850<br>*6280                                                                    | 1470<br>3240                                                                      | *1940<br>*4280                                                                    | 970<br>2140                                                                       |                                                                                   |                                                                                     | *1400<br>*3090 | 720<br>1590    | 5.00<br>(16.4) |
| -2.0 m<br>(-6.6 ft)  | kg<br>lb | *3150<br>*6940                                                                    | *3150<br>*6940                                                                    | *4120<br>*9080                                                                    | *2890<br>*6370                                                                    | *2510<br>*5530                                                                    | 1480<br>3260                                                                      | *1690<br>*3730                                                                    | 980<br>2160                                                                       |                                                                                   |                                                                                     | *1460<br>*3220 | 900<br>1980    | 4.30<br>(14.1) |
| -3.0 m<br>(-9.8 ft)  | kg<br>lb |                                                                                   |                                                                                   | *2480<br>*5470                                                                    | *2480<br>*5470                                                                    | *1440<br>*3170                                                                    | *1440<br>*3170                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *1430<br>*3150 | *1430<br>*3150 | 3.01<br>(9.9)  |

| Type         | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outtriger |      |
|--------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO<br>BOOM | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|              | 3000        | 1900        | 285           | 400        | -          | Up    | -    | -         | -    |



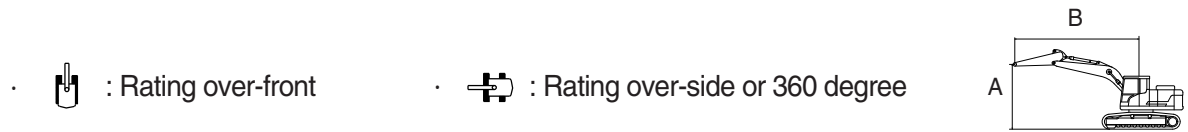
| Load point<br>height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | At max. reach  |              |                |
|----------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|--------------|----------------|
|                      |          | 1.0 m (3.3 ft)                                                                    |                                                                                   | 2.0 m (6.6 ft)                                                                    |                                                                                   | 3.0 m (9.8 ft)                                                                    |                                                                                   | 4.0 m (13.1 ft)                                                                   |                                                                                   | 5.0 m (16.4 ft)                                                                    |                                                                                     | Capacity       |              | Reach          |
|                      |          |  |  |  |  |  |  |  |  |  |  |                |              | m (ft)         |
| 5.0 m<br>(16.4 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | *1210<br>*2670 | 1200<br>2650 | 3.64<br>(11.9) |
| 4.0 m<br>(13.1 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1070<br>*2360                                                                    | 1050<br>2310                                                                      |                                                                                    |                                                                                     | 1010<br>2230   | 820<br>1810  | 4.63<br>(15.2) |
| 3.0 m<br>(9.8 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1150<br>*2540                                                                    | 1030<br>2270                                                                      | 880<br>1940                                                                        | 720<br>1590                                                                         | 830<br>1830    | 670<br>1480  | 5.19<br>(17.0) |
| 2.0 m<br>(6.6 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1750<br>*3860                                                                    | 1530<br>3370                                                                      | 1230<br>2710                                                                      | 990<br>2180                                                                       | 870<br>1920                                                                        | 700<br>1540                                                                         | 750<br>1650    | 600<br>1320  | 5.47<br>(18.0) |
| 1.0 m<br>(3.3 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 1820<br>4010                                                                      | 1410<br>3110                                                                      | 1180<br>2600                                                                      | 940<br>2070                                                                       | 840<br>1850                                                                        | 680<br>1500                                                                         | 720<br>1590    | 580<br>1280  | 5.53<br>(18.2) |
| Ground<br>Line       | kg<br>lb |                                                                                   |                                                                                   | *1490<br>*3280                                                                    | *1490<br>*3280                                                                    | 1740<br>3840                                                                      | 1340<br>2950                                                                      | 1140<br>2510                                                                      | 900<br>1980                                                                       | 820<br>1810                                                                        | 660<br>1460                                                                         | 740<br>1630    | 590<br>1300  | 5.38<br>(17.7) |
| -1.0 m<br>(-3.3 ft)  | kg<br>lb | *1930<br>*4250                                                                    | *1930<br>*4250                                                                    | *2720<br>*6000                                                                    | 2520<br>5560                                                                      | 1720<br>3790                                                                      | 1320<br>2910                                                                      | 1120<br>2470                                                                      | 880<br>1940                                                                       |                                                                                    |                                                                                     | 820<br>1810    | 650<br>1430  | 5.00<br>(16.4) |
| -2.0 m<br>(-6.6 ft)  | kg<br>lb | *3150<br>*6940                                                                    | *3150<br>*6940                                                                    | 3580<br>7890                                                                      | 2560<br>5640                                                                      | 1730<br>3810                                                                      | 1340<br>2950                                                                      | 1130<br>2490                                                                      | 890<br>1960                                                                       |                                                                                    |                                                                                     | 1020<br>2250   | 810<br>1790  | 4.30<br>(14.1) |
| -3.0 m<br>(-9.8 ft)  | kg<br>lb |                                                                                   |                                                                                   | *2480<br>*5470                                                                    | *2480<br>*5470                                                                    | *1440<br>*3170                                                                    | 1400<br>3090                                                                      |                                                                                   |                                                                                   |                                                                                    |                                                                                     | *1430<br>*3150 | 1400<br>3090 | 3.01<br>(9.9)  |

| Type         | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outtriger |      |
|--------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO<br>BOOM | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|              | 3000        | 1600        | 335           | 400        | -          | Down  | -    | -         | -    |



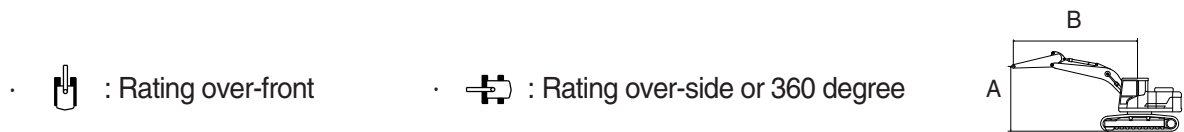
| Load point<br>height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|----------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                      |          | 2.0 m (6.6 ft)                                                                    |                                                                                   | 3.0 m (9.8 ft)                                                                    |                                                                                   | 4.0 m (13.1 ft)                                                                   |                                                                                   | 5.0 m (16.4 ft)                                                                   |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                      |          |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 4.0 m<br>(13.1 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1240<br>*2730                                                                    | 1160<br>2560                                                                      |                                                                                   |                                                                                     | *1290<br>*2840                                                                      | 1040<br>2290                                                                        | 4.26<br>(14.0) |
| 3.0 m<br>(9.8 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1290<br>*2840                                                                    | 1140<br>2510                                                                      |                                                                                   |                                                                                     | *1260<br>*2780                                                                      | 830<br>1830                                                                         | 4.87<br>(16.0) |
| 2.0 m<br>(6.6 ft)    | kg<br>lb |                                                                                   |                                                                                   | *1980<br>*4370                                                                    | 1690<br>3730                                                                      | *1510<br>*3330                                                                    | 1100<br>2430                                                                      | *1340<br>*2950                                                                    | 780<br>1720                                                                         | *1270<br>*2800                                                                      | 740<br>1630                                                                         | 5.17<br>(17.0) |
| 1.0 m<br>(3.3 ft)    | kg<br>lb |                                                                                   |                                                                                   | *2620<br>*5780                                                                    | 1570<br>3460                                                                      | *1780<br>*3920                                                                    | 1050<br>2310                                                                      | *1430<br>*3150                                                                    | 760<br>1680                                                                         | *1360<br>*3000                                                                      | 710<br>1570                                                                         | 5.24<br>(17.2) |
| Ground<br>Line       | kg<br>lb |                                                                                   |                                                                                   | *2880<br>*6350                                                                    | 1520<br>3350                                                                      | *1940<br>*4280                                                                    | 1010<br>2230                                                                      | *1470<br>*3240                                                                    | 750<br>1650                                                                         | *1440<br>*3170                                                                      | 730<br>1610                                                                         | 5.08<br>(16.7) |
| -1.0 m<br>(-3.3 ft)  | kg<br>lb | *3100<br>*6830                                                                    | 2940<br>6480                                                                      | *2780<br>*6130                                                                    | 1510<br>3330                                                                      | *1910<br>*4210                                                                    | 1000<br>2200                                                                      |                                                                                   |                                                                                     | *1500<br>*3310                                                                      | 820<br>1810                                                                         | 4.66<br>(15.3) |
| -2.0 m<br>(-6.6 ft)  | kg<br>lb | *3640<br>*8020                                                                    | 2990<br>6590                                                                      | *2310<br>*5090                                                                    | 1540<br>3400                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *1550<br>*3420                                                                      | 1070<br>2360                                                                        | 3.89<br>(12.8) |
| -3.0 m<br>(-9.8 ft)  | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |

| Type         | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outtriger |      |
|--------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO<br>BOOM | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|              | 3000        | 1600        | 335           | 400        | -          | Up    | -    | -         | -    |



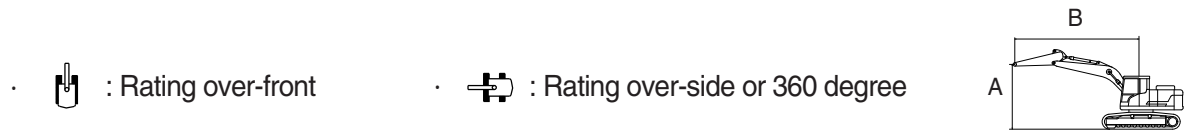
| Load point<br>height |    | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |        |
|----------------------|----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|
|                      |    | 2.0 m (6.6 ft)                                                                    |                                                                                   | 3.0 m (9.8 ft)                                                                    |                                                                                   | 4.0 m (13.1 ft)                                                                   |                                                                                   | 5.0 m (16.4 ft)                                                                   |                                                                                     | Capacity                                                                            |                                                                                     | Reach  |
|                      |    |  |  |  |  |  |  |  |  |  |  | m (ft) |
| 4.0 m                | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1240                                                                             | 1060                                                                              |                                                                                   |                                                                                     | 1170                                                                                | 950                                                                                 | 4.26   |
| (13.1 ft)            | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *2730                                                                             | 2340                                                                              |                                                                                   |                                                                                     | 2580                                                                                | 2090                                                                                | (14.0) |
| 3.0 m                | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1290                                                                             | 1050                                                                              |                                                                                   |                                                                                     | 940                                                                                 | 760                                                                                 | 4.87   |
| (9.8 ft)             | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *2840                                                                             | 2310                                                                              |                                                                                   |                                                                                     | 2070                                                                                | 1680                                                                                | (16.0) |
| 2.0 m                | kg |                                                                                   |                                                                                   | 1950                                                                              | 1540                                                                              | 1250                                                                              | 1000                                                                              | 880                                                                               | 710                                                                                 | 840                                                                                 | 670                                                                                 | 5.17   |
| (6.6 ft)             | lb |                                                                                   |                                                                                   | 4300                                                                              | 3400                                                                              | 2760                                                                              | 2200                                                                              | 1940                                                                              | 1570                                                                                | 1850                                                                                | 1480                                                                                | (17.0) |
| 1.0 m                | kg |                                                                                   |                                                                                   | 1830                                                                              | 1420                                                                              | 1200                                                                              | 960                                                                               | 860                                                                               | 690                                                                                 | 800                                                                                 | 650                                                                                 | 5.24   |
| (3.3 ft)             | lb |                                                                                   |                                                                                   | 4030                                                                              | 3130                                                                              | 2650                                                                              | 2120                                                                              | 1900                                                                              | 1520                                                                                | 1760                                                                                | 1430                                                                                | (17.2) |
| Ground               | kg |                                                                                   |                                                                                   | 1770                                                                              | 1370                                                                              | 1160                                                                              | 920                                                                               | 850                                                                               | 680                                                                                 | 830                                                                                 | 660                                                                                 | 5.08   |
| Line                 | lb |                                                                                   |                                                                                   | 3900                                                                              | 3020                                                                              | 2560                                                                              | 2030                                                                              | 1870                                                                              | 1500                                                                                | 1830                                                                                | 1460                                                                                | (16.7) |
| -1.0 m               | kg | *3100                                                                             | 2600                                                                              | 1760                                                                              | 1360                                                                              | 1150                                                                              | 910                                                                               |                                                                                   |                                                                                     | 930                                                                                 | 750                                                                                 | 4.66   |
| (-3.3 ft)            | lb | *6830                                                                             | 5730                                                                              | 3880                                                                              | 3000                                                                              | 2540                                                                              | 2010                                                                              |                                                                                   |                                                                                     | 2050                                                                                | 1650                                                                                | (15.3) |
| -2.0 m               | kg | *3640                                                                             | 2650                                                                              | 1790                                                                              | 1390                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 1220                                                                                | 970                                                                                 | 3.89   |
| (-6.6 ft)            | lb | *8020                                                                             | 5840                                                                              | 3950                                                                              | 3060                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 2690                                                                                | 2140                                                                                | (12.8) |
| -3.0 m               | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |        |
| (-9.8 ft)            | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |        |

| Type         | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outtriger |      |
|--------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO<br>BOOM | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|              | 3000        | 1900        | 335           | 400        | -          | Down  | -    | -         | -    |



| Load point<br>height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | At max. reach  |                |                |
|----------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|----------------|----------------|
|                      |          | 1.0 m (3.3 ft)                                                                    |                                                                                   | 2.0 m (6.6 ft)                                                                    |                                                                                   | 3.0 m (9.8 ft)                                                                    |                                                                                   | 4.0 m (13.1 ft)                                                                   |                                                                                   | 5.0 m (16.4 ft)                                                                     |                                                                                     | Capacity       |                | Reach          |
|                      |          |  |  |  |  |  |  |  |  |  |  |                |                | m (ft)         |
| 5.0 m<br>(16.4 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | *1210<br>*2670 | *1210<br>*2670 | 3.64<br>(11.9) |
| 4.0 m<br>(13.1 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1070<br>*2360                                                                    | *1070<br>*2360                                                                    |                                                                                     |                                                                                     | *1090<br>*2400 | 920<br>2030    | 4.63<br>(15.2) |
| 3.0 m<br>(9.8 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1150<br>*2540                                                                    | *1150<br>*2540                                                                    | *1180<br>*2600                                                                      | 800<br>1760                                                                         | *1030<br>*2270 | 750<br>1650    | 5.19<br>(17.0) |
| 2.0 m<br>(6.6 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1750<br>*3860                                                                    | 1730<br>3810                                                                      | *1400<br>*3090                                                                    | 1110<br>2450                                                                      | *1250<br>*2760                                                                      | 790<br>1740                                                                         | *1040<br>*2290 | 680<br>1500    | 5.47<br>(18.0) |
| 1.0 m<br>(3.3 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *2460<br>*5420                                                                    | 1600<br>3530                                                                      | *1690<br>*3730                                                                    | 1060<br>2340                                                                      | *1380<br>*3040                                                                      | 770<br>1700                                                                         | *1100<br>*2430 | 660<br>1460    | 5.53<br>(18.2) |
| Ground<br>Line       | kg<br>lb |                                                                                   |                                                                                   | *1490<br>*3280                                                                    | *1490<br>*3280                                                                    | *2840<br>*6260                                                                    | 1530<br>3370                                                                      | *1910<br>*4210                                                                    | 1020<br>2250                                                                      | *1460<br>*3220                                                                      | 750<br>1650                                                                         | *1230<br>*2710 | 670<br>1480    | 5.38<br>(17.7) |
| -1.0 m<br>(-3.3 ft)  | kg<br>lb | *1930<br>*4250                                                                    | *1930<br>*4250                                                                    | *2720<br>*6000                                                                    | *2720<br>*6000                                                                    | *2850<br>*6280                                                                    | 1510<br>3330                                                                      | *1940<br>*4280                                                                    | 1000<br>2200                                                                      |                                                                                     |                                                                                     | *1400<br>*3090 | 740<br>1630    | 5.00<br>(16.4) |
| -2.0 m<br>(-6.6 ft)  | kg<br>lb | *3150<br>*6940                                                                    | *3150<br>*6940                                                                    | *4120<br>*9080                                                                    | 2970<br>6550                                                                      | *2510<br>*5530                                                                    | 1530<br>3370                                                                      | *1690<br>*3730                                                                    | 1010<br>2230                                                                      |                                                                                     |                                                                                     | *1460<br>*3220 | 920<br>2030    | 4.30<br>(14.1) |
| -3.0 m<br>(-9.8 ft)  | kg<br>lb |                                                                                   |                                                                                   | *2480<br>*5470                                                                    | *2480<br>*5470                                                                    | *1440<br>*3170                                                                    | *1440<br>*3170                                                                    |                                                                                   |                                                                                   |                                                                                     |                                                                                     | *1430<br>*3150 | *1430<br>*3150 | 3.01<br>(9.9)  |

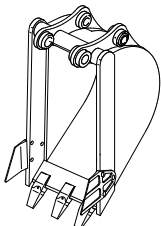
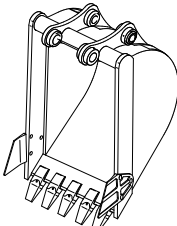
| Type         | Boom        | Arm         | Counterweight | Shoe       | Wheel      | Dozer |      | Outtriger |      |
|--------------|-------------|-------------|---------------|------------|------------|-------|------|-----------|------|
| MONO<br>BOOM | Length [mm] | Length [mm] | weight [kg]   | width [mm] | width [mm] | Front | Rear | Front     | Rear |
|              | 3000        | 1900        | 335           | 400        | -          | Up    | -    | -         | -    |



| Load point<br>height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | At max. reach  |                |                |
|----------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|----------------|----------------|
|                      |          | 1.0 m (3.3 ft)                                                                    |                                                                                   | 2.0 m (6.6 ft)                                                                    |                                                                                   | 3.0 m (9.8 ft)                                                                    |                                                                                   | 4.0 m (13.1 ft)                                                                   |                                                                                   | 5.0 m (16.4 ft)                                                                     |                                                                                     | Capacity       |                | Reach          |
|                      |          |  |  |  |  |  |  |  |  |  |  |                |                | m (ft)         |
| 5.0 m<br>(16.4 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | *1210<br>*2670 | *1210<br>*2670 | 3.64<br>(11.9) |
| 4.0 m<br>(13.1 ft)   | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1070<br>*2360                                                                    | *1070<br>*2360                                                                    |                                                                                     |                                                                                     | 1030<br>2270   | 840<br>1850    | 4.63<br>(15.2) |
| 3.0 m<br>(9.8 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1150<br>*2540                                                                    | 1060<br>2340                                                                      | 910<br>2010                                                                         | 740<br>1630                                                                         | 850<br>1870    | 690<br>1520    | 5.19<br>(17.0) |
| 2.0 m<br>(6.6 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1750<br>*3860                                                                    | 1570<br>3460                                                                      | 1260<br>2780                                                                      | 1020<br>2250                                                                      | 890<br>1960                                                                         | 720<br>1590                                                                         | 770<br>1700    | 620<br>1370    | 5.47<br>(18.0) |
| 1.0 m<br>(3.3 ft)    | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 1860<br>4100                                                                      | 1450<br>3200                                                                      | 1210<br>2670                                                                      | 970<br>2140                                                                       | 870<br>1920                                                                         | 700<br>1540                                                                         | 740<br>1630    | 600<br>1320    | 5.53<br>(18.2) |
| Ground<br>Line       | kg<br>lb |                                                                                   |                                                                                   | *1490<br>*3280                                                                    | *1490<br>*3280                                                                    | 1790<br>3950                                                                      | 1380<br>3040                                                                      | 1170<br>2580                                                                      | 930<br>2050                                                                       | 850<br>1870                                                                         | 680<br>1500                                                                         | 760<br>1680    | 610<br>1340    | 5.38<br>(17.7) |
| -1.0 m<br>(-3.3 ft)  | kg<br>lb | *1930<br>*4250                                                                    | *1930<br>*4250                                                                    | *2720<br>*6000                                                                    | 2590<br>5710                                                                      | 1760<br>3880                                                                      | 1360<br>3000                                                                      | 1150<br>2540                                                                      | 910<br>2010                                                                       |                                                                                     |                                                                                     | 840<br>1850    | 670<br>1480    | 5.00<br>(16.4) |
| -2.0 m<br>(-6.6 ft)  | kg<br>lb | *3150<br>*6940                                                                    | *3150<br>*6940                                                                    | 3670<br>8090                                                                      | 2630<br>5800                                                                      | 1780<br>3920                                                                      | 1380<br>3040                                                                      | 1160<br>2560                                                                      | 920<br>2030                                                                       |                                                                                     |                                                                                     | 1050<br>2310   | 840<br>1850    | 4.30<br>(14.1) |
| -3.0 m<br>(-9.8 ft)  | kg<br>lb |                                                                                   |                                                                                   | *2480<br>*5470                                                                    | *2480<br>*5470                                                                    | *1440<br>*3170                                                                    | *1440<br>*3170                                                                    |                                                                                   |                                                                                   |                                                                                     |                                                                                     | *1430<br>*3150 | *1430<br>*3150 | 3.01<br>(9.9)  |



## 6. BUCKET SELECTION GUIDE

|                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |
| 0.07m <sup>3</sup> SAE<br>heaped bucket                                           | 0.18 m <sup>3</sup> SAE<br>heaped bucket                                            |

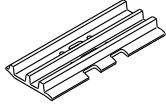
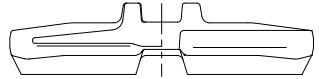
| Capacity                                       |                                                | Width                  |                     | Weight             | Recommendation                                                                                         |
|------------------------------------------------|------------------------------------------------|------------------------|---------------------|--------------------|--------------------------------------------------------------------------------------------------------|
|                                                |                                                |                        |                     |                    | 3.0 m (9' 10") boom                                                                                    |
| SAE<br>heaped                                  | CECE<br>heaped                                 | Without<br>side cutter | With<br>side cutter |                    | 1.6 m (5' 3") arm                                                                                      |
| 0.07 m <sup>3</sup><br>(0.09 yd <sup>3</sup> ) | 0.06 m <sup>3</sup><br>(0.08 yd <sup>3</sup> ) | 315 mm<br>(12.4")      | 360 mm<br>(14.2")   | 115 kg<br>(255 lb) | Applicable for materials with density of 1600 kgf/m <sup>3</sup><br>(2700 lb/yd <sup>3</sup> ) or less |
| 0.18 m <sup>3</sup><br>(0.24 yd <sup>3</sup> ) | 0.15 m <sup>3</sup><br>(0.20 yd <sup>3</sup> ) | 670 mm<br>(26.4")      | 740 mm<br>(29.1")   | 170 kg<br>(375 lb) |                                                                                                        |

## 7. UNDERCARRIAGE

### 1) TRACKS

X-leg type center frame is integrally welded with reinforced box-section track frames. The design includes dry tracks, lubricated rollers, idlers, sprockets, hydraulic track adjusters with shock absorbing springs and assembled track-type tractor shoes with triple grousers.

### 2) TYPES OF SHOES

| Model  | Shapes           |                           | Triple grouser                                                                    | Rubber shoe                                                                         |
|--------|------------------|---------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|        |                  |                           |  |  |
| R55-9A | Shoe width       | mm (in)                   | 380 (15)                                                                          | 400 (16)                                                                            |
|        | Operating weight | kg (lb)                   | 5650 (12460)                                                                      | 5670 (12500)                                                                        |
|        | Ground pressure  | kgf/cm <sup>2</sup> (psi) | 0.34 (4.83)                                                                       | 0.33 (4.69)                                                                         |
|        | Overall width    | mm (ft-in)                | 1880 (6' 2")                                                                      | 1900 (6' 3")                                                                        |

### 3) NUMBER OF ROLLERS AND SHOES ON EACH SIDE

| Item                | Quantity |
|---------------------|----------|
| Carrier rollers     | 1 EA     |
| Track rollers       | 5 EA     |
| Track shoes (steel) | 40 EA    |

## 8. SPECIFICATIONS FOR MAJOR COMPONENTS

### 1) ENGINE

| Item                                | Specification                             |
|-------------------------------------|-------------------------------------------|
| Model                               | Yanmar 4TNV98C                            |
| Type                                | 4-cycle diesel engine, low emission       |
| Cooling method                      | Water cooling                             |
| Number of cylinders and arrangement | 4 cylinders, in-line                      |
| Firing order                        | 1-3-4-2                                   |
| Combustion chamber type             | Direct injection type                     |
| Cylinder borexstroke                | 98×110 mm (3.85"×4.33")                   |
| Piston displacement                 | 3319 cc (203 cu in)                       |
| Compression ratio                   | 18.5 : 1                                  |
| Rated gross horse power (SAE J1995) | 66.9 Hp at 2400 rpm (49.9 kW at 2400 rpm) |
| Maximum torque at 1550 rpm          | 24 kgf·m (173.6 lbf·ft)                   |
| Engine oil quantity                 | 11.6l(3.1 U.S. gal)                       |
| Dry weight                          | 270 kg (595 lb)                           |
| High idling speed                   | 2300±50 rpm                               |
| Low idling speed                    | 1000±100 rpm                              |
| Rated fuel consumption              | 176 g/Hp·hr at 2400 rpm                   |
| Starting motor                      | 12 V-3.0 kW                               |
| Alternator                          | 12 V-80 A(-#0198), 12 V-100 A(#0199-),    |
| Battery                             | 1×12 V×100 Ah                             |

### 2) MAIN PUMP

| Item             | Specification                                  |
|------------------|------------------------------------------------|
| Type             | Variable displacement tandem axis piston pumps |
| Capacity         | 2×27.5 cc/rev                                  |
| Maximum pressure | 220 kgf/cm <sup>2</sup> (3130 psi)             |
| Rated oil flow   | 2×57.8l/min (15.3 U.S. gpm / 12.7 U.K. gpm)    |
| Rated speed      | 2100 rpm                                       |

### 3) GEAR PUMP

| Item             | Specification                                        |
|------------------|------------------------------------------------------|
| Type             | Fixed displacement gear pump single stage            |
| Capacity         | 18.3 + 4.5 cc/rev                                    |
| Maximum pressure | 220/30 kgf/cm <sup>2</sup> (3130/430 psi)            |
| Rated oil flow   | 38.4/9.5l/min (10.1/2.5 U.S. gpm / 8.4/2.1 U.K. gpm) |

### 4) MAIN CONTROL VALVE

| Item                           | Specification                      |
|--------------------------------|------------------------------------|
| Type                           | Sectional, 9 spools                |
| Operating method               | Hydraulic pilot system             |
| Main relief valve pressure     | 220 kgf/cm <sup>2</sup> (3130 psi) |
| Overload relief valve pressure | 240 kgf/cm <sup>2</sup> (3410 psi) |

### 5) SWING MOTOR

| Item                   | Specification                                |
|------------------------|----------------------------------------------|
| Type                   | Fixed displacement axial piston motor        |
| Capacity               | 32.3 cc/rev                                  |
| Relief pressure        | 220 kgf/cm <sup>2</sup> (3130 psi)           |
| Braking system         | Automatic, spring applied hydraulic released |
| Braking torque         | 14 kgf·m (101 lbf·ft)                        |
| Brake release pressure | 20~40 kgf/cm <sup>2</sup> (284~570 psi)      |
| Reduction gear type    | 2 - stage planetary                          |

### 6) TRAVEL MOTOR

| Item                   | Specification                                |
|------------------------|----------------------------------------------|
| Type                   | Variable displacement axial piston motor     |
| Relief pressure        | 220 kgf/cm <sup>2</sup> (3130 psi)           |
| Reduction gear type    | 2-stage planetary                            |
| Braking system         | Automatic, spring applied hydraulic released |
| Brake release pressure | 9 kgf/cm <sup>2</sup> (128 psi)              |
| Braking torque         | 8.4 kgf·m (61 lbf·ft)                        |

## 7) CYLINDER

| Item            |                         | Specification      |
|-----------------|-------------------------|--------------------|
| Boom cylinder   | Bore dia×Rod dia×Stroke | Ø110×Ø65×715 mm    |
|                 | Cushion                 | Extend only        |
| Arm cylinder    | Bore dia×Rod dia×Stroke | Ø90×Ø55×850 mm     |
|                 | Cushion                 | Extend and retract |
| Bucket cylinder | Bore dia×Rod dia×Stroke | Ø80×Ø50×660 mm     |
|                 | Cushion                 | Extend only        |
| Dozer blade     | Bore dia×Rod dia×Stroke | Ø110×Ø60×219 mm    |
|                 | Cushion                 | Extend only        |

※ Discoloration of cylinder rod can occur when the friction reduction additive of lubrication oil spreads on the rod surface.

※ Discoloration does not cause any harmful effect on the cylinder performance.

## 8) SHOE

| Item   |        | Width        | Ground pressure                     | Link quantity | Overall width   |
|--------|--------|--------------|-------------------------------------|---------------|-----------------|
| R55-9A | Steel  | 380 mm (15") | 0.34 kgf/cm <sup>2</sup> (4.83 psi) | 40            | 1880 mm (6' 2") |
|        | Rubber | 400 mm (16") | 0.33 kgf/cm <sup>2</sup> (4.69 psi) | -             | 1900 mm (6' 3") |

## 9) BUCKET

| Item   |     | Capacity                                    |                                             | Tooth quantity | Width               |                  |
|--------|-----|---------------------------------------------|---------------------------------------------|----------------|---------------------|------------------|
|        |     | SAE heaped                                  | CECE heaped                                 |                | Without side cutter | With side cutter |
| R55-9A | STD | 0.18 m <sup>3</sup> (0.24 yd <sup>3</sup> ) | 0.15 m <sup>3</sup> (0.20 yd <sup>3</sup> ) | 5              | 670 mm (26.4")      | 740 mm (29.1")   |
|        | OPT | 0.07 m <sup>3</sup> (0.09 yd <sup>3</sup> ) | 0.06 m <sup>3</sup> (0.08 yd <sup>3</sup> ) | 3              | 315 mm (12.4")      | 360 mm (14.2")   |

## 9. RECOMMENDED OILS

HYUNDAI genuine lubricating oils have been developed to offer the best performance and service life for your equipment. These oils have been tested according to the specifications of HYUNDAI and, therefore, will meet the highest safety and quality requirements.

We recommend that you use only HYUNDAI genuine lubricating oils and grease officially approved by HYUNDAI.

| Service point                | Kind of fluid                                 | Capacity<br>ℓ (U.S. gal) | Ambient temperature °C ( °F)                   |              |             |             |           |            |            |            |             |
|------------------------------|-----------------------------------------------|--------------------------|------------------------------------------------|--------------|-------------|-------------|-----------|------------|------------|------------|-------------|
|                              |                                               |                          | -50<br>(-58)                                   | -30<br>(-22) | -20<br>(-4) | -10<br>(14) | 0<br>(32) | 10<br>(50) | 20<br>(68) | 30<br>(86) | 40<br>(104) |
| Engine oil pan               | Engine oil                                    | 11.6 (3.1)               | ★SAE 5W-40                                     |              |             |             |           |            |            |            |             |
|                              |                                               |                          |                                                |              |             |             | SAE 30    |            |            |            |             |
|                              |                                               |                          | SAE 10W                                        |              |             |             |           |            |            |            |             |
|                              |                                               |                          | SAE 10W-30                                     |              |             |             |           |            |            |            |             |
|                              |                                               |                          | SAE 15W-40                                     |              |             |             |           |            |            |            |             |
| Swing drive                  | Grease                                        | 0.2 (0.1)                | ★NLGI NO.1                                     |              |             |             |           |            |            |            |             |
|                              |                                               |                          |                                                |              |             |             | NLGI NO.2 |            |            |            |             |
| Final drive                  | Gear oil                                      | 1.5 (0.4)                | ★SAE 75W-90                                    |              |             |             |           |            |            |            |             |
|                              |                                               | 1.2×2<br>(0.3×2)         | SAE 80W-90                                     |              |             |             |           |            |            |            |             |
| Hydraulic tank               | Hydraulic oil                                 | Tank;<br>70 (18.5)       | ★ISO VG 15                                     |              |             |             |           |            |            |            |             |
|                              |                                               |                          | ISO VG 32                                      |              |             |             |           |            |            |            |             |
|                              |                                               | System;<br>120 (31.7)    | ISO VG 46, HBHO VG 46 <sup>3</sup>             |              |             |             |           |            |            |            |             |
|                              |                                               |                          | ISO VG 68                                      |              |             |             |           |            |            |            |             |
| Fuel tank                    | Diesel fuel★ <sup>1</sup>                     | 117 (30.9)               | ★ASTM D975 NO.1                                |              |             |             |           |            |            |            |             |
|                              |                                               |                          | ASTM D975 NO.2                                 |              |             |             |           |            |            |            |             |
| Fitting<br>(grease nipple)   | Grease                                        | As required              | ★NLGI NO.1                                     |              |             |             |           |            |            |            |             |
|                              |                                               |                          | NLGI NO.2                                      |              |             |             |           |            |            |            |             |
| Radiator<br>(reservoir tank) | Mixture of antifreeze and water★ <sup>2</sup> | 9.5 (2.5)                | Ethylene glycol base permanent type (50 : 50)  |              |             |             |           |            |            |            |             |
|                              |                                               |                          | ★Ethylene glycol base permanent type (60 : 40) |              |             |             |           |            |            |            |             |

**SAE** : Society of Automotive Engineers

**API** : American Petroleum Institute

**ISO** : International Organization for Standardization

**NLGI** : National Lubricating Grease Institute

**ASTM** : American Society of Testing and Material

★ : Cold region (Russia, CIS, Mongolia)

★<sup>1</sup> : Ultra low sulfur diesel

- sulfur content ≤ 15 ppm

★<sup>2</sup> : Soft water

City water or distilled water

★<sup>3</sup> : Hyundai Bio Hydraulic Oil

※ Using any lubricating oils other than HYUNDAI genuine products may lead to a deterioration of performance and cause damage to major components.

※ Do not mix HYUNDAI genuine oil with any other lubricating oil as it may result in damage to the systems of major components.

※ Do not use any engine oil other than that specified above, as it may clog the diesel particulate filter(DPF).

※ For HYUNDAI genuine lubricating oils and grease for use in regions with extremely low temperatures, please contact HYUNDAI dealers.