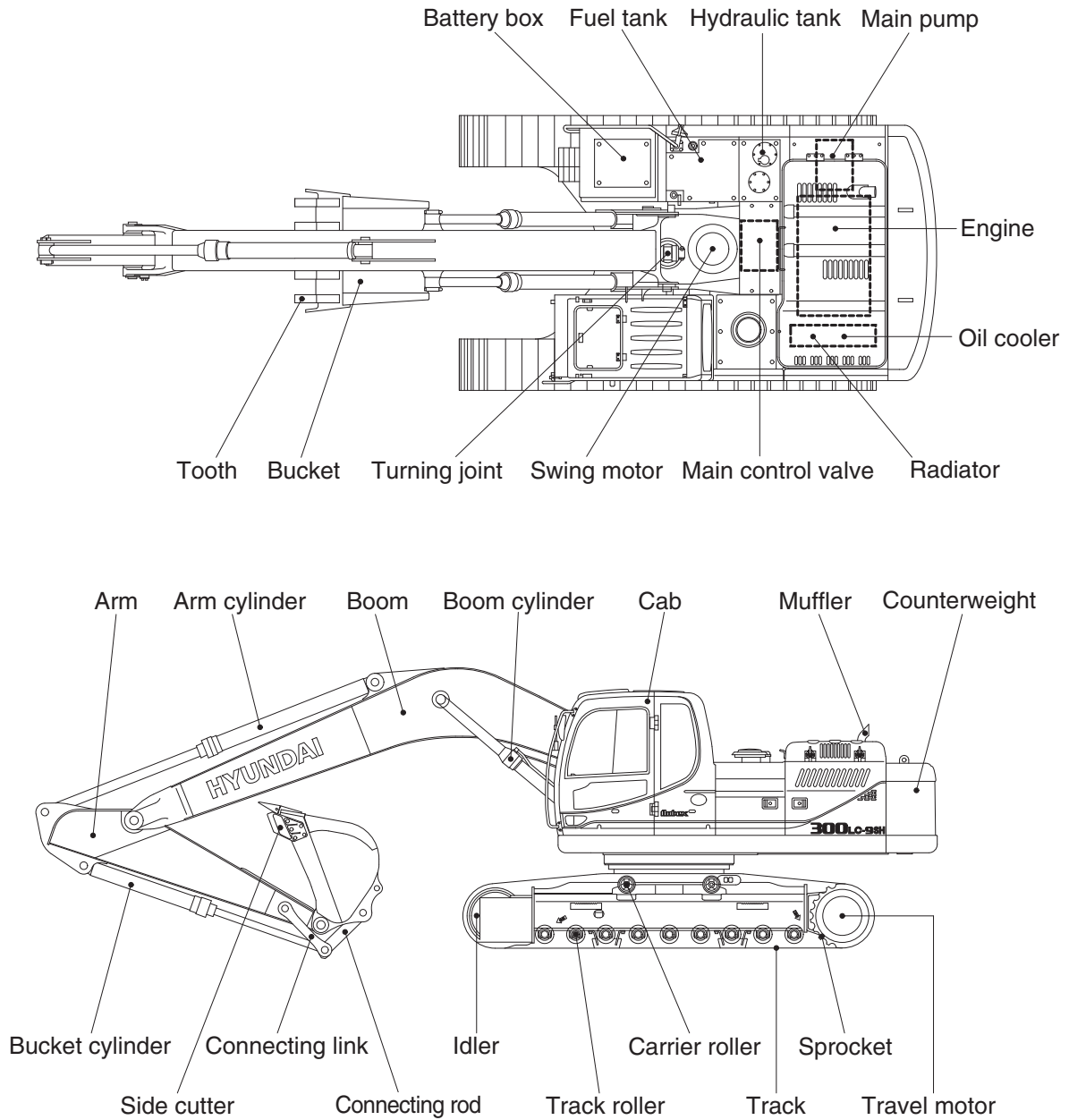


# SPECIFICATIONS

## 1. MAJOR COMPONENT

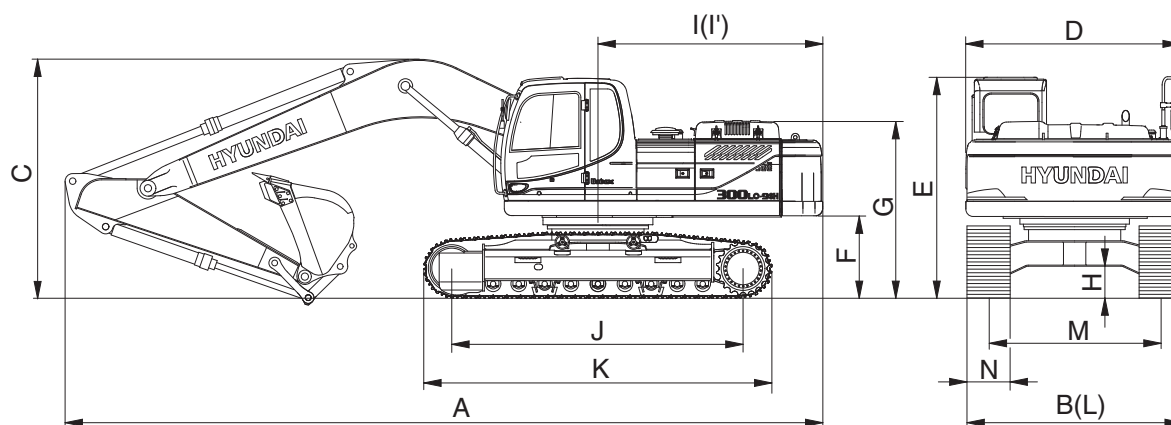


3009SH2SP01

## 2. SPECIFICATIONS

### 1) R300LC-9SH

· 6.25 m (20' 6") BOOM and 3.05 m (10' 0") ARM

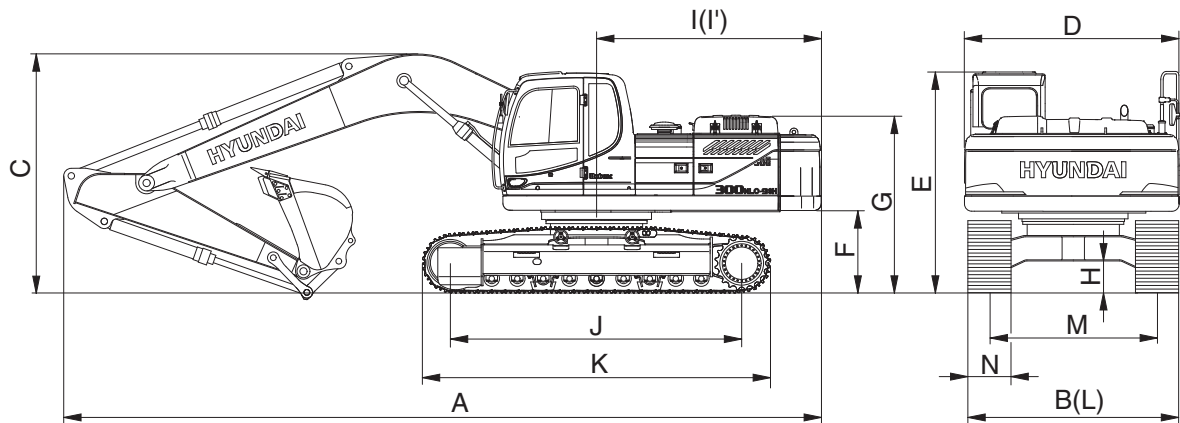


3009SH2SP02

| Description                            |    | Unit                              | Specification     |
|----------------------------------------|----|-----------------------------------|-------------------|
| Operating weight                       |    | kg (lb)                           | 29900 (65920)     |
| Bucket capacity (SAE heaped), standard |    | m <sup>3</sup> (yd <sup>3</sup> ) | 1.27 (1.66)       |
| Overall length                         | A  | mm (ft-in)                        | 10705 (35' 1")    |
| Overall width, with 600mm shoe         | B  |                                   | 3200 (10' 6")     |
| Overall height                         | C  |                                   | 3290 (10' 10")    |
| Superstructure width                   | D  |                                   | 2980 ( 9' 9")     |
| Overall height of cab                  | E  |                                   | 3010 ( 9' 11")    |
| Ground clearance of counterweight      | F  |                                   | 1190 ( 3' 11")    |
| Engine cover height                    | G  |                                   | 3190 (10' 6")     |
| Minimum ground clearance               | H  |                                   | 500 ( 1' 8")      |
| Rear-end distance                      | I  |                                   | 3265 (10' 9")     |
| Rear-end swing radius                  | I' |                                   | 3345 (11' 0")     |
| Distance between tumblers              | J  |                                   | 4030 (13' 3")     |
| Undercarriage length                   | K  |                                   | 4940 (16' 2")     |
| Undercarriage width                    | L  |                                   | 3200 (10' 6")     |
| Track gauge                            | M  |                                   | 2600 ( 8' 6")     |
| Track shoe width, standard             | N  |                                   | 600 (24")         |
| Travel speed (low/high)                |    | km/hr (mph)                       | 3.4/5.9 (2.1/3.7) |
| Swing speed                            |    | rpm                               | 11.5              |
| Gradeability                           |    | Degree (%)                        | 35 (70)           |
| Ground pressure (600 mm shoe)          |    | kgf/cm <sup>2</sup> (psi)         | 0.57 (8.11)       |
| Max traction force                     |    | kg (lb)                           | 27300 (60200)     |

## 2) R300NLC-9SH

· 6.25 m (20' 6") BOOM and 3.05 m (10' 0") ARM

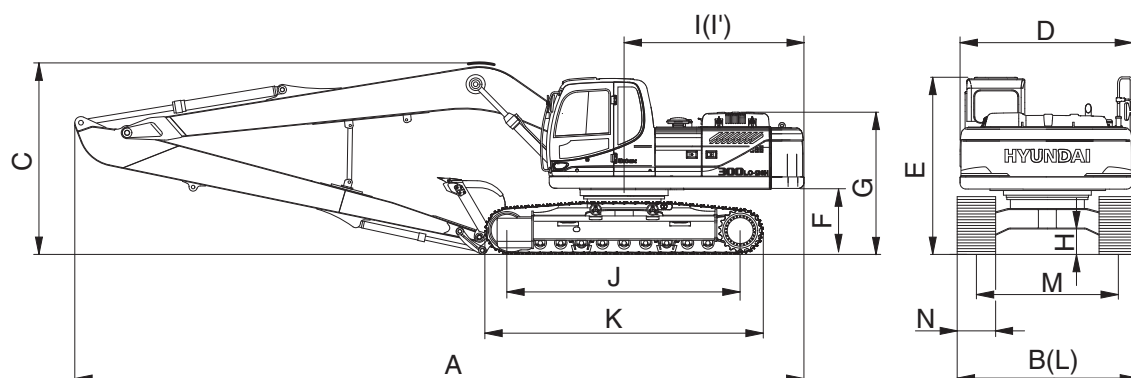


3009SH2SP03

| Description                            |    | Unit                              | Specification     |
|----------------------------------------|----|-----------------------------------|-------------------|
| Operating weight                       |    | kg (lb)                           | 29700 (64480)     |
| Bucket capacity (SAE heaped), standard |    | m <sup>3</sup> (yd <sup>3</sup> ) | 1.27 (1.66)       |
| Overall length                         | A  | mm (ft-in)                        | 10705 (35' 1")    |
| Overall width, with 600mm shoe         | B  |                                   | 2990 ( 9' 10")    |
| Overall height                         | C  |                                   | 3290 (10' 10")    |
| Superstructure width                   | D  |                                   | 2980 ( 9' 9")     |
| Overall height of cab                  | E  |                                   | 3010 ( 9' 11")    |
| Ground clearance of counterweight      | F  |                                   | 1190 ( 3' 11")    |
| Engine cover height                    | G  |                                   | 3190 (10' 6")     |
| Minimum ground clearance               | H  |                                   | 500 ( 1' 8")      |
| Rear-end distance                      | I  |                                   | 3265 (10' 9")     |
| Rear-end swing radius                  | I' |                                   | 3345 (11' 0")     |
| Distance between tumblers              | J  |                                   | 4030 (13' 3")     |
| Undercarriage length                   | K  |                                   | 4940 (16' 2")     |
| Undercarriage width                    | L  |                                   | 2990 ( 9' 10")    |
| Track gauge                            | M  |                                   | 2390 ( 7' 10")    |
| Track shoe width, standard             | N  |                                   | 600 (24")         |
| Travel speed (low/high)                |    | km/hr (mph)                       | 3.4/5.9 (2.1/3.7) |
| Swing speed                            |    | rpm                               | 11.5              |
| Gradeability                           |    | Degree (%)                        | 35 (70)           |
| Ground pressure (600 mm shoe)          |    | kgf/cm <sup>2</sup> (psi)         | 0.57 (8.11)       |
| Max traction force                     |    | kg (lb)                           | 27300 (60200)     |

### 3) R300LC-9SH LONG REACH

· 10.2 m (33' 6") BOOM and 7.85 m (25' 9") ARM

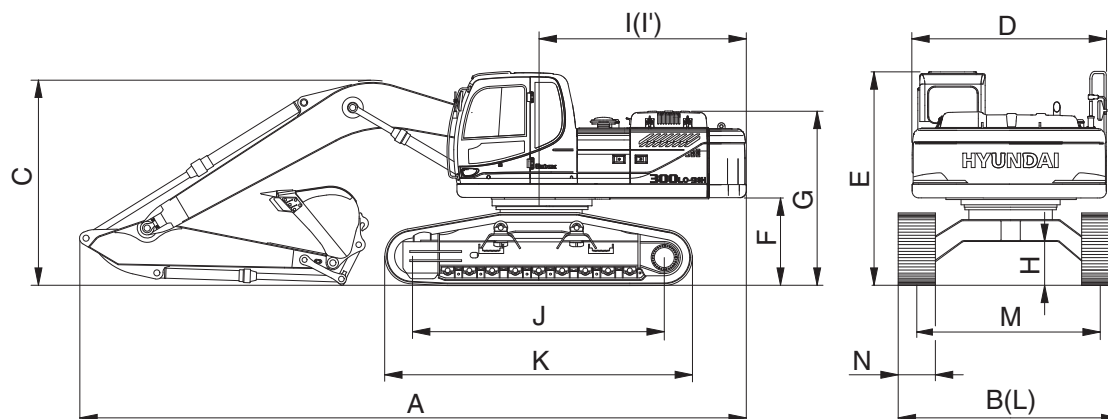


3009SH2SP04

| Description                            |    | Unit                              | Specification     |
|----------------------------------------|----|-----------------------------------|-------------------|
| Operating weight                       |    | kg (lb)                           | 33780 (74470)     |
| Bucket capacity (SAE heaped), standard |    | m <sup>3</sup> (yd <sup>3</sup> ) | 0.52 (0.68)       |
| Overall length                         | A  | mm (ft-in)                        | 14695 (48' 3")    |
| Overall width, with 800 mm shoe        | B  |                                   | 3400 (11' 2")     |
| Overall height                         | C  |                                   | 3550 (11' 8")     |
| Superstructure width                   | D  |                                   | 2980 (9' 9")      |
| Overall height of cab                  | E  |                                   | 3010 (9' 11")     |
| Ground clearance of counterweight      | F  |                                   | 1190 (3' 11")     |
| Engine cover height                    | G  |                                   | 3190 (10' 6")     |
| Minimum ground clearance               | H  |                                   | 500 (1' 8")       |
| Rear-end distance                      | I  |                                   | 3265 (10' 9")     |
| Rear-end swing radius                  | I' |                                   | 3345 (11' 0")     |
| Distance between tumblers              | J  |                                   | 4030 (13' 3")     |
| Undercarriage length                   | K  |                                   | 4940 (16' 2")     |
| Undercarriage width                    | L  |                                   | 3400 (11' 2")     |
| Track gauge                            | M  |                                   | 2600 (8' 6")      |
| Track shoe width, standard             | N  |                                   | 800 (32")         |
| Travel speed (low/high)                |    | km/hr (mph)                       | 3.4/5.9 (2.1/3.7) |
| Swing speed                            |    | rpm                               | 11.5              |
| Gradeability                           |    | Degree (%)                        | 35 (70)           |
| Ground pressure (800 mm shoe)          |    | kgf/cm <sup>2</sup> (psi)         | 0.49 (6.97)       |
| Max traction force                     |    | kg (lb)                           | 27300 (60200)     |

#### 4) R300LC-9SH HIGH WALKER

· 6.25 m (20' 6") BOOM and 3.05 m (10' 0") ARM



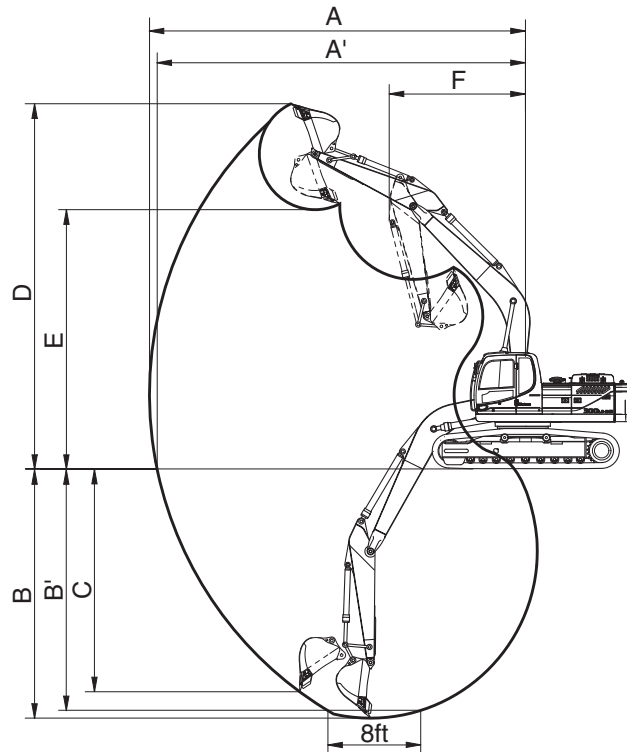
3009SH2SP05

| Description                            |    | Unit                              | Specification     |
|----------------------------------------|----|-----------------------------------|-------------------|
| Operating weight                       |    | kg (lb)                           | 32740 (72180)     |
| Bucket capacity (SAE heaped), standard |    | m <sup>3</sup> (yd <sup>3</sup> ) | 1.27 (1.66)       |
| Overall length                         | A  | mm (ft-in)                        | 10575 ( 34' 8")   |
| Overall width, with 600 mm shoe        | B  |                                   | 3470 ( 11' 5")    |
| Overall height                         | C  |                                   | 3350 ( 11' 0")    |
| Superstructure width                   | D  |                                   | 2980 ( 9' 9")     |
| Overall height of cab                  | E  |                                   | 3380 ( 11' 1")    |
| Ground clearance of counterweight      | F  |                                   | 1500 ( 4' 11")    |
| Engine cover height                    | G  |                                   | 3500 (11' 6")     |
| Minimum ground clearance               | H  |                                   | 765 ( 2' 6")      |
| Rear-end distance                      | I  |                                   | 3265 (10' 9")     |
| Rear-end swing radius                  | I' |                                   | 3345 (11' 0")     |
| Distance between tumblers              | J  |                                   | 4030 (13' 3")     |
| Undercarriage length                   | K  |                                   | 4950 (16' 3")     |
| Undercarriage width                    | L  |                                   | 3470 (11' 5")     |
| Track gauge                            | M  |                                   | 2870 ( 9' 5")     |
| Track shoe width, standard             | N  |                                   | 600 (24")         |
| Travel speed (low/high)                |    | km/hr (mph)                       | 3.4/5.9 (2.1/3.7) |
| Swing speed                            |    | rpm                               | 11.5              |
| Gradeability                           |    | Degree (%)                        | 35 (70)           |
| Ground pressure (600 mm shoe)          |    | kgf/cm <sup>2</sup> (psi)         | 0.63 (8.96)       |
| Max traction force                     |    | kg (lb)                           | 27300 (60200)     |

### 3. WORKING RANGE

#### 1) R300LC-9SH, R300NLC-9SH

· 6.25 m (20' 6") BOOM

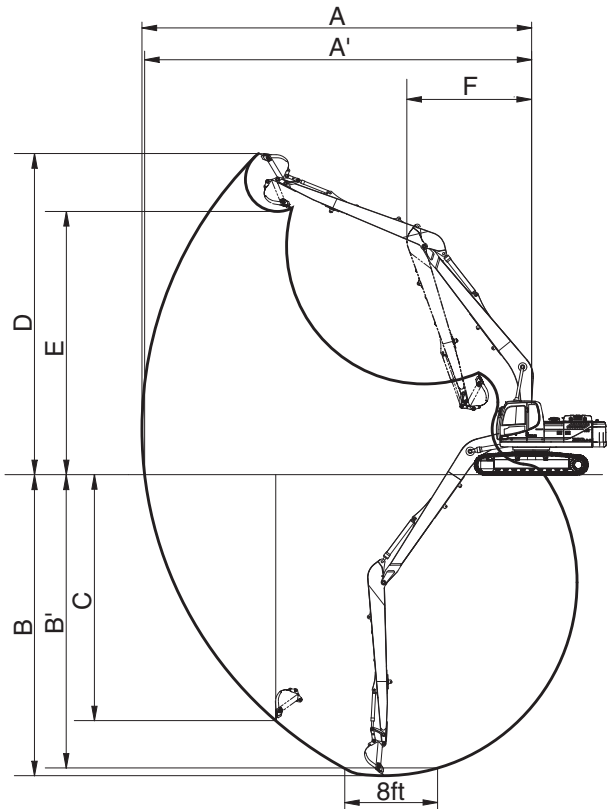


3009SH2SP06

| Description                     |     | 2.10m (6' 11") Arm | 2.50 m (8' 2") Arm | 3.05 m (10' 0") Arm | 3.75 m (12' 4") Arm |
|---------------------------------|-----|--------------------|--------------------|---------------------|---------------------|
| Max digging reach               | A   | 10020 mm (32' 10") | 10280 mm (33' 7")  | 10820 mm (35' 6")   | 11400 mm (37' 5")   |
| Max digging reach on ground     | A'  | 9820 mm (32' 3")   | 10080 mm (33' 1")  | 10620 mm (34' 10")  | 11220 mm (36' 10")  |
| Max digging depth               | B   | 6440 mm (21' 1")   | 6840 mm (22' 5")   | 7390 mm (24' 3")    | 8090 mm (26' 7")    |
| Max digging depth (8 ft level)  | B'  | 6240 mm (20' 6")   | 6630 mm (21' 9")   | 7300 mm (23' 11")   | 7920 mm (26' 0")    |
| Max vertical wall digging depth | C   | 6000 mm (19' 8")   | 5850 mm (19' 2")   | 6380 mm (20' 11")   | 7080 mm (23' 3")    |
| Max digging height              | D   | 10070 mm (33' 0")  | 10110 mm (33' 2")  | 10160 mm (33' 4")   | 10360 mm (34' 0")   |
| Max dumping height              | E   | 6940 mm (22' 9")   | 7030 mm (23' 1")   | 7110 mm (23' 4")    | 7310 mm (24' 0")    |
| Min swing radius                | F   | 4380 mm (14' 4")   | 4260 mm (14' 0")   | 4230 mm (13' 11")   | 4140 mm (13' 7")    |
| Bucket digging force            | SAE | 168.7 [183.1] kN   | 168.7 [183.1] kN   | 168.7 [183.1] kN    | 168.7 [183.1] kN    |
|                                 |     | 17200 [18670] kgf  | 17200 [18670] kgf  | 17200 [18670] kgf   | 17200 [18670] kgf   |
|                                 |     | 37920 [41170] lbf  | 37920 [41170] lbf  | 37920 [41170] lbf   | 37920 [41170] lbf   |
|                                 | ISO | 192.2 [208.7] kN   | 192.2 [208.7] kN   | 192.2 [208.7] kN    | 192.2 [208.7] kN    |
|                                 |     | 19600 [21280] kgf  | 19600 [21280] kgf  | 19600 [21280] kgf   | 19600 [21280] kgf   |
|                                 |     | 43210 [46910] lbf  | 43210 [46910] lbf  | 43210 [46910] lbf   | 43210 [46910] lbf   |
| Arm digging force               | SAE | 180.4 [195.9] kN   | 156.9 [170.4] kN   | 131.4 [142.7] kN    | 114.7 [124.6] kN    |
|                                 |     | 18400 [19980] kgf  | 16000 [17370] kgf  | 13400 [14550] kgf   | 11700 [12700] kgf   |
|                                 |     | 40570 [44050] lbf  | 35270 [38290] lbf  | 29540 [32070] lbf   | 25790 [28000] lbf   |
|                                 | ISO | 190.3 [206.6] kN   | 163.8 [177.8] kN   | 136.3 [148] kN      | 119.6 [129.9] kN    |
|                                 |     | 19400 [21060] kgf  | 16700 [18130] kgf  | 13900 [15090] kgf   | 12200 [13250] kgf   |
|                                 |     | 42770 [46440] lbf  | 36820 [39980] lbf  | 30640 [33270] lbf   | 26900 [29210] lbf   |

[ ] : Power boost

2) R300LC-9SH LONG REACH  
 · 10.2 m (33' 6") BOOM

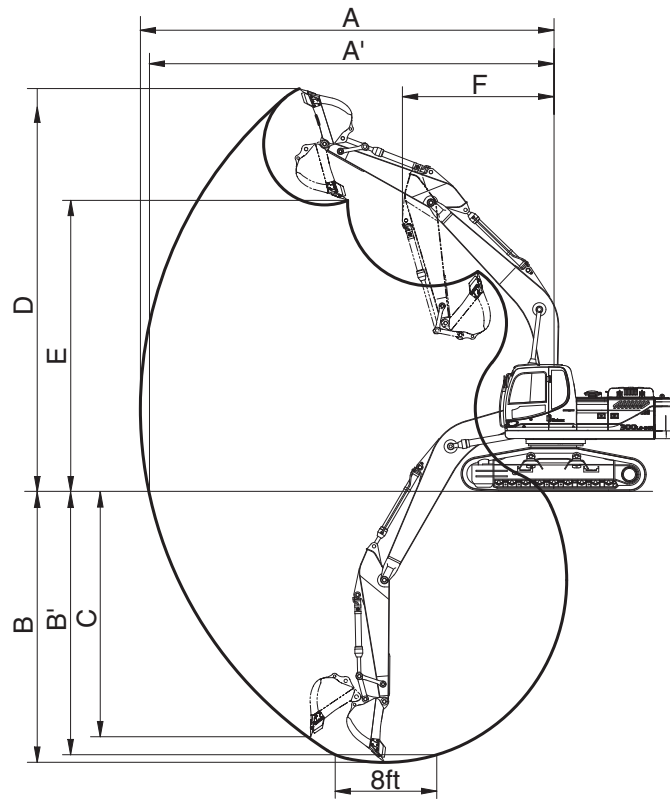


29092SP06

| Description                     |     | 7.85 m (25' 9") Arm |
|---------------------------------|-----|---------------------|
| Max digging reach               | A   | 18510 (60' 9")      |
| Max digging reach on ground     | A'  | 18400 (60' 4")      |
| Max digging depth               | B   | 14820 (48' 7")      |
| Max digging depth (8 ft level)  | B'  | 14690 (48' 2")      |
| Max vertical wall digging depth | C   | 12020 (39' 5")      |
| Max digging height              | D   | 14500 (47' 7")      |
| Max dumping height              | E   | 12190 (40' 0")      |
| Min swing radius                | F   | 6250 (20' 6")       |
| Bucket digging force            | SAE | 70 kN               |
|                                 |     | 7100 kgf            |
|                                 |     | 15650 lbf           |
|                                 | ISO | 80 kN               |
|                                 |     | 8200 kgf            |
|                                 |     | 18080 lbf           |
| Arm crowd force                 | SAE | 47.1 kN             |
|                                 |     | 4800 kgf            |
|                                 |     | 10580 lbf           |
|                                 | ISO | 48.1 kN             |
|                                 |     | 4900 kgf            |
|                                 |     | 10800 lbf           |

### 3) R300LC-9SH HIGH WALKER

· 6.25 m (20' 6") BOOM



3009SH2SP07

| Description                     |     | 2.10m (6' 11") Arm | 2.50 m (8' 2") Arm | 3.05 m (10' 0") Arm | 3.75 m (12' 4") Arm |
|---------------------------------|-----|--------------------|--------------------|---------------------|---------------------|
| Max digging reach               | A   | 10020 mm (32' 10") | 10280 mm (33' 7")  | 10790 mm (35' 5")   | 11400 mm (37' 5")   |
| Max digging reach on ground     | A'  | 9750 mm (32' 0")   | 10020 mm (32' 10") | 10530 mm (34' 7")   | 11160 mm (36' 7")   |
| Max digging depth               | B   | 6140 mm (20' 2")   | 6540 mm (21' 5")   | 7090 mm (23' 3")    | 7790 mm (25' 7")    |
| Max digging depth (8 ft level)  | B'  | 5930 mm (19' 5")   | 6330 mm (20' 9")   | 6910 mm (22' 8")    | 7630 mm (25' 0")    |
| Max vertical wall digging depth | C   | 5700 mm (18' 8")   | 5560 mm (18' 3")   | 6090 mm (20' 0")    | 6790 mm (22' 3")    |
| Max digging height              | D   | 10370 mm (34' 0")  | 10220 mm (33' 6")  | 10440 mm (34' 3")   | 10660 mm (35' 0")   |
| Max dumping height              | E   | 7240 mm (23' 9")   | 7170 mm (23' 6")   | 7400 mm (24' 3")    | 7610 mm (25' 0")    |
| Min swing radius                | F   | 4380 mm (14' 4")   | 4260 mm (14' 0")   | 4230 mm (13' 11")   | 4140 mm (13' 7")    |
| Bucket digging force            | SAE | 168.7 [183.1] kN   | 168.7 [183.1] kN   | 168.7 [183.1] kN    | 168.7 [183.1] kN    |
|                                 |     | 17200 [18670] kgf  | 17200 [18670] kgf  | 17200 [18670] kgf   | 17200 [18670] kgf   |
|                                 |     | 37920 [41170] lbf  | 37920 [41170] lbf  | 37920 [41170] lbf   | 37920 [41170] lbf   |
|                                 | ISO | 192.2 [208.7] kN   | 192.2 [208.7] kN   | 192.2 [208.7] kN    | 192.2 [208.7] kN    |
|                                 |     | 19600 [21280] kgf  | 19600 [21280] kgf  | 19600 [21280] kgf   | 19600 [21280] kgf   |
|                                 |     | 43210 [46910] lbf  | 43210 [46910] lbf  | 43210 [46910] lbf   | 43210 [46910] lbf   |
| Arm digging force               | SAE | 180.4 [195.9] kN   | 156.9 [170.4] kN   | 131.4 [142.7] kN    | 114.7 [124.6] kN    |
|                                 |     | 18400 [19980] kgf  | 16000 [17370] kgf  | 13400 [14550] kgf   | 11700 [12700] kgf   |
|                                 |     | 40570 [44050] lbf  | 35270 [38290] lbf  | 29540 [32070] lbf   | 25790 [28000] lbf   |
|                                 | ISO | 190.3 [206.6] kN   | 163.8 [177.8] kN   | 136.3 [148] kN      | 119.6 [129.9] kN    |
|                                 |     | 19400 [21060] kgf  | 16700 [18130] kgf  | 13900 [15090] kgf   | 12200 [13250] kgf   |
|                                 |     | 42770 [46440] lbf  | 36820 [39980] lbf  | 30640 [33270] lbf   | 26900 [29210] lbf   |

[ ] : Power boost



## 4. WEIGHT

### 1) R300LC-9SH, R300NLC-9SH

| Item                                                                              | R300LC-9SH |       | R300NLC-9SH |       |
|-----------------------------------------------------------------------------------|------------|-------|-------------|-------|
|                                                                                   | kg         | lb    | kg          | lb    |
| Upperstructure assembly                                                           | 12610      | 27800 | ←           | ←     |
| Main frame weld assembly                                                          | 2740       | 6040  | ←           | ←     |
| Engine assembly                                                                   | 985        | 2170  | ←           | ←     |
| Main pump assembly                                                                | 140        | 310   | ←           | ←     |
| Main control valve assembly                                                       | 220        | 490   | ←           | ←     |
| Swing motor assembly                                                              | 390        | 860   | ←           | ←     |
| Hydraulic oil tank assembly                                                       | 250        | 560   | ←           | ←     |
| Fuel tank assembly                                                                | 240        | 530   | ←           | ←     |
| Counterweight                                                                     | 4600       | 10140 | ←           | ←     |
| Cab assembly                                                                      | 490        | 1080  | ←           | ←     |
| Lower chassis assembly                                                            | 10740      | 23680 | 10600       | 23370 |
| Track frame weld assembly                                                         | 3765       | 8300  | 3625        | 7990  |
| Swing bearing                                                                     | 430        | 950   | ←           | ←     |
| Travel motor assembly                                                             | 400        | 880   | ←           | ←     |
| Turning joint                                                                     | 54         | 120   | ←           | ←     |
| Track recoil spring                                                               | 205        | 450   | ←           | ←     |
| Idler                                                                             | 252        | 560   | ←           | ←     |
| Carrier roller                                                                    | 35         | 80    | ←           | ←     |
| Track roller                                                                      | 54         | 119   | ←           | ←     |
| Track-chain assembly<br>(600 mm standard triple grouser shoe)                     | 1860       | 4110  | ←           | ←     |
| Front attachment assembly (6.25 m boom,<br>3.05 m arm, 1.27 m³ SAE heaped bucket) | 5550       | 12240 | ←           | ←     |
| 6.25 m boom assembly                                                              | 2285       | 5040  | ←           | ←     |
| 3.05 m arm assembly                                                               | 1025       | 2260  | ←           | ←     |
| 1.27 m³ SAE heaped bucket                                                         | 1010       | 2230  | ←           | ←     |
| Boom cylinder assembly                                                            | 270        | 600   | ←           | ←     |
| Arm cylinder assembly                                                             | 360        | 790   | ←           | ←     |
| Bucket cylinder assembly                                                          | 220        | 485   | ←           | ←     |
| Bucket control link assembly                                                      | 110        | 240   | ←           | ←     |

## 2) R300LC-9SH LONG REACH

| Item                                                                           | R300LC-9SH LONG REACH |       |
|--------------------------------------------------------------------------------|-----------------------|-------|
|                                                                                | kg                    | lb    |
| Upperstructure assembly                                                        | 14410                 | 31810 |
| Main frame weld assembly                                                       | 2740                  | 6040  |
| Engine assembly                                                                | 985                   | 2170  |
| Main pump assembly                                                             | 140                   | 310   |
| Main control valve assembly                                                    | 220                   | 490   |
| Swing motor assembly                                                           | 390                   | 860   |
| Hydraulic oil tank assembly                                                    | 250                   | 560   |
| Fuel tank assembly                                                             | 240                   | 530   |
| Counterweight                                                                  | 7000                  | 15450 |
| Cab assembly                                                                   | 490                   | 1080  |
| Lower chassis assembly                                                         | 10900                 | 24030 |
| Track frame weld assembly                                                      | 3765                  | 8300  |
| Swing bearing                                                                  | 430                   | 950   |
| Travel motor assembly                                                          | 400                   | 880   |
| Turning joint                                                                  | 54                    | 120   |
| Track recoil spring                                                            | 205                   | 450   |
| Idler                                                                          | 252                   | 560   |
| Carrier roller                                                                 | 35                    | 80    |
| Track roller                                                                   | 54                    | 119   |
| Track-chain assembly (800 mm standard triple grouser shoe)                     | 2340                  | 5160  |
| Front attachment assembly (10.2 m boom, 7.85 m arm, 0.52 m³ SAE heaped bucket) | 5920                  | 13050 |
| 10.2 m boom assembly                                                           | 2960                  | 6530  |
| 7.85 m arm assembly                                                            | 1340                  | 2960  |
| 0.52 m³ SAE heaped bucket                                                      | 460                   | 1010  |
| Boom cylinder assembly                                                         | 270                   | 600   |
| Arm cylinder assembly                                                          | 360                   | 790   |
| Bucket cylinder assembly                                                       | 96                    | 212   |
| Bucket control link assembly                                                   | 110                   | 240   |

### 3) R300LC-9SH HIGH WALKER

| Item                                                                           | R300LC-9SH HIGH WAKER |       |
|--------------------------------------------------------------------------------|-----------------------|-------|
|                                                                                | kg                    | lb    |
| Upperstructure assembly                                                        | 12610                 | 27800 |
| Main frame weld assembly                                                       | 2740                  | 6040  |
| Engine assembly                                                                | 985                   | 2170  |
| Main pump assembly                                                             | 140                   | 310   |
| Main control valve assembly                                                    | 220                   | 490   |
| Swing motor assembly                                                           | 390                   | 860   |
| Hydraulic oil tank assembly                                                    | 250                   | 560   |
| Fuel tank assembly                                                             | 240                   | 530   |
| Counterweight                                                                  | 4600                  | 10140 |
| Cab assembly                                                                   | 490                   | 1080  |
| Lower chassis assembly                                                         | 12800                 | 28220 |
| Track frame weld assembly                                                      | 5825                  | 12840 |
| Swing bearing                                                                  | 430                   | 950   |
| Travel motor assembly                                                          | 400                   | 880   |
| Turning joint                                                                  | 54                    | 120   |
| Track recoil spring                                                            | 205                   | 450   |
| Idler                                                                          | 252                   | 560   |
| Carrier roller                                                                 | 35                    | 80    |
| Track roller                                                                   | 54                    | 119   |
| Track-chain assembly (600 mm standard triple grouser shoe)                     | 1860                  | 4110  |
| Front attachment assembly (6.25 m boom, 3.05 m arm, 1.27 m³ SAE heaped bucket) | 5550                  | 12240 |
| 6.25 m boom assembly                                                           | 2285                  | 5040  |
| 3.05 m arm assembly                                                            | 1025                  | 2260  |
| 1.27 m³ SAE heaped bucket                                                      | 1010                  | 2230  |
| Boom cylinder assembly                                                         | 270                   | 600   |
| Arm cylinder assembly                                                          | 360                   | 790   |
| Bucket cylinder assembly                                                       | 220                   | 485   |
| Bucket control link assembly                                                   | 110                   | 240   |

## 5. LIFTING CAPACITIES

### 1) R300LC-9SH

(1) 6.25 m (20' 6") boom, 2.10 m (6' 11") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

-  : Rating over-front
-  : Rating over-side or 360 degree

| Load point height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|-------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                   |          | 3.0 m (10 ft)                                                                     |                                                                                   | 4.5 m (15 ft)                                                                     |                                                                                   | 6.0 m (20 ft)                                                                     |                                                                                   | 7.5 m (25 ft)                                                                     |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                   |          |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *6200<br>*13670                                                                   | *6200<br>*13670                                                                   |                                                                                   |                                                                                     | *5710<br>*12590                                                                     | 4680<br>10320                                                                       | 8.01<br>(26.3) |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *6560<br>*14460                                                                   | *6560<br>*14460                                                                   | *6370<br>*14040                                                                   | 5060<br>11160                                                                       | *5810<br>*12810                                                                     | 3750<br>8270                                                                        | 8.90<br>(29.2) |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                   |                                                                                   | *9620<br>*21210                                                                   | *9620<br>*21210                                                                   | *7590<br>*16730                                                                   | 7230<br>15940                                                                     | *6700<br>*14770                                                                   | 4940<br>10890                                                                       | 5390<br>11880                                                                       | 3280<br>7230                                                                        | 9.42<br>(30.9) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                   |                                                                                   | *12550<br>*27670                                                                  | 10430<br>22990                                                                    | *8910<br>*19640                                                                   | 6750<br>14880                                                                     | *7330<br>*16160                                                                   | 4720<br>10410                                                                       | 5100<br>11240                                                                       | 3060<br>6750                                                                        | 9.64<br>(31.6) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                   |                                                                                   | *14540<br>*32060                                                                  | 9420<br>21430                                                                     | *10090<br>*22240                                                                  | 6360<br>14020                                                                     | 7500<br>16530                                                                     | 4510<br>9940                                                                        | 5090<br>11220                                                                       | 3040<br>6700                                                                        | 9.58<br>(31.4) |
| Ground Line       | kg<br>lb |                                                                                   |                                                                                   | *15120<br>*33330                                                                  | 9510<br>20970                                                                     | *10480<br>*23100                                                                  | 6130<br>13510                                                                     | 7340<br>16180                                                                     | 4370<br>9630                                                                        | 5380<br>11860                                                                       | 3210<br>7080                                                                        | 9.23<br>(30.3) |
| -1.5 m (-5 ft)    | kg<br>lb | *14250<br>*31420                                                                  | *14250<br>*31420                                                                  | *14810<br>*32650                                                                  | 9530<br>21010                                                                     | 10410<br>22950                                                                    | 6070<br>13380                                                                     | 7310<br>16120                                                                     | 4340<br>9570                                                                        | 6100<br>13450                                                                       | 3680<br>8110                                                                        | 8.57<br>(28.1) |
| -3.0 m (-10 ft)   | kg<br>lb | *18890<br>*41650                                                                  | *18890<br>*41650                                                                  | *13670<br>*30140                                                                  | 9710<br>21410                                                                     | *10170<br>*22420                                                                  | 6170<br>13600                                                                     |                                                                                   |                                                                                     | *6670<br>*14700                                                                     | 4710<br>10380                                                                       | 7.47<br>(24.5) |
| -4.5 m (-15 ft)   | kg<br>lb | *15250<br>*33620                                                                  | *15250<br>*33620                                                                  | *11130<br>*24540                                                                  | 10120<br>22310                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |

- 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 load point is a hook located on the back of the bucket.
  4. \* indicates load limited by hydraulic capacity.

(2) 6.25 m (20' 6") boom, 2.50 m (8' 2") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

| Load point height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|-------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                   |          | 1.5 m (5 ft)                                                                      |                                                                                   | 3.0 m (10 ft)                                                                     |                                                                                   | 4.5 m (15 ft)                                                                     |                                                                                   | 6.0 m (20 ft)                                                                     |                                                                                   | 7.5 m (25 ft)                                                                      |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                   |          |  |  |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | *5240<br>*11550                                                                     | 4400<br>9700                                                                        | 8.34<br>(27.4) |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *5870<br>*12940                                                                    | 5140<br>11330                                                                       | *5400<br>*11900                                                                     | 3560<br>7850                                                                        | 9.19<br>(30.2) |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *8760<br>*19310                                                                   | *8760<br>*19310                                                                   | *7090<br>*15630                                                                   | *7090<br>*15630                                                                   | *6310<br>*13910                                                                    | 4980<br>10980                                                                       | 5150<br>11350                                                                       | 3120<br>6880                                                                        | 9.69<br>(31.8) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *11680<br>*25750                                                                  | 10630<br>23440                                                                    | *8460<br>*18650                                                                   | 6820<br>15040                                                                     | *7000<br>*15430                                                                    | 4740<br>10450                                                                       | 4870<br>10740                                                                       | 2910<br>6420                                                                        | 9.90<br>(32.5) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *13960<br>*30780                                                                  | 9800<br>21610                                                                     | *9730<br>*21450                                                                   | 6380<br>14070                                                                     | *7500<br>*16530                                                                    | 4500<br>9920                                                                        | 4850<br>10690                                                                       | 2870<br>6330                                                                        | 9.84<br>(32.3) |
| Ground Line       | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *14930<br>*32910                                                                  | 9460<br>20860                                                                     | 10450<br>23040                                                                    | 6100<br>13450                                                                     | 7310<br>16120                                                                      | 4340<br>9570                                                                        | 5090<br>11220                                                                       | 3020<br>6660                                                                        | 9.51<br>(31.2) |
| -1.5 m (-5 ft)    | kg<br>lb |                                                                                   |                                                                                   | *15220<br>*33550                                                                  | *15220<br>*33550                                                                  | *14910<br>*32870                                                                  | 9410<br>20750                                                                     | 10330<br>22770                                                                    | 5990<br>13210                                                                     | 7240<br>15960                                                                      | 4270<br>9410                                                                        | 5710<br>12590                                                                       | 3410<br>7520                                                                        | 8.87<br>(29.1) |
| -3.0 m (-10 ft)   | kg<br>lb | *17240<br>*38010                                                                  | *17240<br>*38010                                                                  | *20000<br>*44090                                                                  | *20000<br>*44090                                                                  | *14040<br>*30950                                                                  | 9550<br>21050                                                                     | *10390<br>*22910                                                                  | 6050<br>13340                                                                     |                                                                                    |                                                                                     | *6780<br>*14950                                                                     | 4270<br>9410                                                                        | 7.82<br>(25.7) |
| -4.5 m (-15 ft)   | kg<br>lb |                                                                                   |                                                                                   | *16720<br>*36860                                                                  | *16720<br>*36860                                                                  | *11970<br>*26390                                                                  | 9890<br>21800                                                                     |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                |

(3) 6.25 m (20' 6") boom, 3.05 m (10' 0") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

| Load point height |          | Load radius                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       | At max. reach                                                                         |                                                                                       |                 |
|-------------------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|
|                   |          | 1.5 m (5 ft)                                                                        |                                                                                     | 3.0 m (10 ft)                                                                       |                                                                                     | 4.5 m (15 ft)                                                                       |                                                                                     | 6.0 m (20 ft)                                                                       |                                                                                     | 7.5 m (25 ft)                                                                       |                                                                                     | 9.0 m (30 ft)                                                                        |                                                                                       | Capacity                                                                              |                                                                                       | Reach           |
|                   |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m (ft)          |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       | *4780<br>*10540                                                                       | 3890<br>8580                                                                          | 8.94<br>(29.3)  |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *5270<br>*11620                                                                     | *5230<br>*11530                                                                     |                                                                                      |                                                                                       | *4940<br>*10890                                                                       | 3200<br>7050                                                                          | 9.74<br>(32.0)  |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *6380<br>*14070                                                                     | *6380<br>*14070                                                                     | *5780<br>*12740                                                                     | 5030<br>11090                                                                       |                                                                                      |                                                                                       | 4710<br>10380                                                                         | 2820<br>6220                                                                          | 10.20<br>(33.5) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                     |                                                                                     | *10490<br>*23130                                                                    | *10490<br>*23130                                                                    | *10510<br>*23170                                                                    | *10510<br>*23170                                                                    | *7800<br>*17200                                                                     | 6900<br>15210                                                                       | *6530<br>*14400                                                                     | 4760<br>10490                                                                       | *4420<br>*9740                                                                       | 3420<br>7540                                                                          | 4460<br>9830                                                                          | 2630<br>5800                                                                          | 10.40<br>(34.1) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *13100<br>*28880                                                                    | 9940<br>21910                                                                       | *9190<br>*20260                                                                     | 6400<br>14110                                                                       | *7320<br>*16140                                                                     | 4490<br>9900                                                                        | *5230<br>*11530                                                                      | 3280<br>7230                                                                          | 4430<br>9770                                                                          | 2590<br>5710                                                                          | 10.35<br>(34.0) |
| Ground Line       | kg<br>lb |                                                                                     |                                                                                     | *10140<br>*22350                                                                    | *10140<br>*22350                                                                    | *14530<br>*32030                                                                    | 9440<br>20810                                                                       | *10220<br>*22530                                                                    | 6060<br>13360                                                                       | 7260<br>16010                                                                       | 4290<br>9460                                                                        | *4600<br>*10140                                                                      | 3180<br>7010                                                                          | 4610<br>10160                                                                         | 2700<br>5950                                                                          | 10.04<br>(32.9) |
| -1.5 m (-5 ft)    | kg<br>lb | *10990<br>*24230                                                                    | *10990<br>*24230                                                                    | *14250<br>*31420                                                                    | *14250<br>*31420                                                                    | *14890<br>*32830                                                                    | 9280<br>20460                                                                       | *10230<br>*22550                                                                    | 5900<br>13010                                                                       | 7140<br>15740                                                                       | 4180<br>9220                                                                        |                                                                                      |                                                                                       | 5100<br>11240                                                                         | 3000<br>6610                                                                          | 9.44<br>(31.0)  |
| -3.0 m (-10 ft)   | kg<br>lb | *14880<br>*32800                                                                    | *14880<br>*32800                                                                    | *19250<br>*42440                                                                    | *19250<br>*42440                                                                    | *14380<br>*31700                                                                    | 9340<br>20590                                                                       | 10230<br>22550                                                                      | 5900<br>13010                                                                       | 7160<br>15790                                                                       | 4200<br>9260                                                                        |                                                                                      |                                                                                       | 6120<br>13490                                                                         | 3660<br>8070                                                                          | 8.48<br>(27.8)  |
| -4.5 m (-15 ft)   | kg<br>lb | *19470<br>*42920                                                                    | *19470<br>*42920                                                                    | *18400<br>*40570                                                                    | *18400<br>*40570                                                                    | *12820<br>*23260                                                                    | 9600<br>21160                                                                       | *9370<br>*20660                                                                     | 6080<br>13400                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       | *6400<br>*14110                                                                       | 5200<br>11460                                                                         | 6.97<br>(22.9)  |

(4) 6.25 m (20' 6") boom, 3.75 m (12' 4") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

| Load point height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | At max. reach                                                                       |                                                                                     |                 |
|-------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|
|                   |          | 1.5 m (5 ft)                                                                      |                                                                                   | 3.0 m (10 ft)                                                                     |                                                                                   | 4.5 m (15 ft)                                                                     |                                                                                   | 6.0 m (20 ft)                                                                     |                                                                                   | 7.5 m (25 ft)                                                                     |                                                                                    | 9.0 m (30 ft)                                                                       |                                                                                     | Capacity                                                                            |                                                                                     | Reach           |
|                   |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m (ft)          |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | *4230<br>*9330                                                                      | 3350<br>7390                                                                        | 9.67<br>(31.7)  |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *4470<br>*9850                                                                    | *4470<br>*9850                                                                     | *2540<br>*5600                                                                      | *2540<br>*5600                                                                      | *4400<br>*9700                                                                      | 2800<br>6170                                                                        | 10.40<br>(34.1) |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *5050<br>*11130                                                                   | *5050<br>*11130                                                                    | *3970<br>*8750                                                                      | 3590<br>7910                                                                        | 4220<br>9300                                                                        | 2490<br>5490                                                                        | 10.83<br>(35.5) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                   |                                                                                   | *14430<br>*31810                                                                  | *14430<br>*31810                                                                  | *8910<br>*19640                                                                   | *8910<br>*19640                                                                   | *6870<br>*15150                                                                   | *6870<br>*15150                                                                   | *5870<br>*12940                                                                   | 4830<br>10650                                                                      | *5060<br>*11160                                                                     | 3440<br>7580                                                                        | 4010<br>8840                                                                        | 2320<br>5110                                                                        | 11.02<br>(36.2) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                   |                                                                                   | *10550<br>*23260                                                                  | *10550<br>*23260                                                                  | *11820<br>*26060                                                                  | 10250<br>22600                                                                    | *8410<br>*18540                                                                   | 6520<br>14370                                                                     | *6760<br>*14900                                                                   | 4530<br>9990                                                                       | 5530<br>12190                                                                       | 3270<br>7210                                                                        | 3970<br>8750                                                                        | 2270<br>5000                                                                        | 10.97<br>(36.0) |
| Ground Line       | kg<br>lb | *6830<br>*15060                                                                   | *6830<br>*15060                                                                   | *10900<br>*24030                                                                  | *10900<br>*24030                                                                  | *13790<br>*30400                                                                  | 9540<br>21030                                                                     | *9670<br>*21320                                                                   | 6100<br>13450                                                                     | *7260<br>*16010                                                                   | 4270<br>9410                                                                       | 5380<br>11860                                                                       | 3130<br>6900                                                                        | 4110<br>9060                                                                        | 2350<br>5180                                                                        | 10.68<br>(35.0) |
| -1.5 m (-5 ft)    | kg<br>lb | *9850<br>*21720                                                                   | *9850<br>*21720                                                                   | *13520<br>*29810                                                                  | *13520<br>*29810                                                                  | *14680<br>*32360                                                                  | 9220<br>20330                                                                     | 10200<br>22490                                                                    | 5850<br>12900                                                                     | 7080<br>15610                                                                     | 4110<br>9060                                                                       | 5290<br>11660                                                                       | 3050<br>6720                                                                        | 4470<br>9850                                                                        | 2580<br>5690                                                                        | 10.12<br>(33.2) |
| -3.0 m (-10 ft)   | kg<br>lb | *13010<br>*28680                                                                  | *13010<br>*28680                                                                  | *17210<br>*37940                                                                  | *17210<br>*37940                                                                  | *14640<br>*32280                                                                  | 9170<br>20220                                                                     | 10100<br>22270                                                                    | 5770<br>12720                                                                     | 7030<br>15500                                                                     | 4060<br>8950                                                                       |                                                                                     |                                                                                     | 5220<br>11510                                                                       | 3060<br>6750                                                                        | 9.25<br>(30.3)  |
| -4.5 m (-15 ft)   | kg<br>lb | *16680<br>*36770                                                                  | *16680<br>*36770                                                                  | *20250<br>*44640                                                                  | 19650<br>43320                                                                    | *13660<br>*30120                                                                  | 9330<br>20570                                                                     | *9980<br>*22000                                                                   | 5850<br>12900                                                                     |                                                                                   |                                                                                    |                                                                                     |                                                                                     | *6200<br>*13670                                                                     | 4080<br>8990                                                                        | 7.92<br>(26.0)  |

- 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 load point is a hook located on the back of the bucket.
  4. \*indicates load limited by hydraulic capacity.

## 2) R300NLC-9SH

(1) 6.25 m (20' 6") boom, 2.10 m (6' 11") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

·  : Rating over-front

·  : Rating over-side or 360 degree

| Load point height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|-------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                   |          | 3.0 m (10 ft)                                                                     |                                                                                   | 4.5 m (15 ft)                                                                     |                                                                                   | 6.0 m (20 ft)                                                                     |                                                                                   | 7.5 m (25 ft)                                                                     |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                   |          |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *6200<br>*13670                                                                   | *6200<br>*13670                                                                   |                                                                                   |                                                                                     | *5710<br>*12590                                                                     | 4230<br>9330                                                                        | 8.01<br>(26.3) |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *6560<br>*14460                                                                   | *6560<br>*14460                                                                   | *6370<br>*14040                                                                   | 4580<br>10100                                                                       | *5810<br>*12810                                                                     | 3370<br>7430                                                                        | 8.90<br>(29.2) |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                   |                                                                                   | *9620<br>*21210                                                                   | *9620<br>*21210                                                                   | *7590<br>*16730                                                                   | 6540<br>14420                                                                     | *6700<br>*14770                                                                   | 4450<br>9810                                                                        | 5360<br>11820                                                                       | 2930<br>6460                                                                        | 9.42<br>(30.9) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                   |                                                                                   | *12550<br>*27670                                                                  | 9300<br>20500                                                                     | *8910<br>*19640                                                                   | 6070<br>13380                                                                     | *7330<br>*16160                                                                   | 4240<br>9350                                                                        | 5070<br>11180                                                                       | 2730<br>6020                                                                        | 9.64<br>(31.6) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                   |                                                                                   | *14540<br>*32060                                                                  | 8620<br>19000                                                                     | *10090<br>*22240                                                                  | 5680<br>12520                                                                     | 7460<br>16450                                                                     | 4030<br>8880                                                                        | 5060<br>11160                                                                       | 2700<br>5950                                                                        | 9.58<br>(31.4) |
| Ground Line       | kg<br>lb |                                                                                   |                                                                                   | *15120<br>*33330                                                                  | 8420<br>18560                                                                     | 10420<br>22970                                                                    | 5460<br>12040                                                                     | 7300<br>16090                                                                     | 3900<br>8600                                                                        | 5350<br>11790                                                                       | 2860<br>6310                                                                        | 9.23<br>(30.3) |
| -1.5 m (-5 ft)    | kg<br>lb | *14250<br>*31420                                                                  | *14250<br>*31420                                                                  | *14810<br>*32650                                                                  | 8440<br>18610                                                                     | 10350<br>22820                                                                    | 5400<br>11900                                                                     | 7270<br>16030                                                                     | 3870<br>8530                                                                        | 6070<br>13380                                                                       | 3280<br>7230                                                                        | 8.57<br>(28.1) |
| -3.0 m (-10 ft)   | kg<br>lb | *18890<br>*41650                                                                  | 17700<br>39020                                                                    | *13670<br>*30140                                                                  | 8610<br>18980                                                                     | *10170<br>*22420                                                                  | 5500<br>12130                                                                     |                                                                                   |                                                                                     | *6670<br>*14700                                                                     | 4230<br>9330                                                                        | 7.47<br>(24.5) |
| -4.5 m (-15 ft)   | kg<br>lb | *15250<br>*33620                                                                  | *15250<br>*33620                                                                  | *11130<br>*24540                                                                  | 9000<br>19840                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |

- 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 load point is a hook located on the back of the bucket.
  4. \* indicates load limited by hydraulic capacity.

(2) 6.25 m (20' 6") boom, 2.50 m (8' 2") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

| Load point height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|-------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                   |          | 1.5 m (5 ft)                                                                      |                                                                                   | 3.0 m (10 ft)                                                                     |                                                                                   | 4.5 m (15 ft)                                                                     |                                                                                   | 6.0 m (20 ft)                                                                     |                                                                                   | 7.5 m (25 ft)                                                                      |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                   |          |  |  |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | *5240<br>*11550                                                                     | 3980<br>8770                                                                        | 8.34<br>(27.4) |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *5870<br>*12940                                                                    | 4650<br>10250                                                                       | *5400<br>*11900                                                                     | 3200<br>7050                                                                        | 9.19<br>(30.2) |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *8760<br>*19310                                                                   | *8760<br>*19310                                                                   | *7090<br>*15630                                                                   | 6620<br>14590                                                                     | *6310<br>*13910                                                                    | 4490<br>9900                                                                        | 5130<br>11310                                                                       | 2790<br>6150                                                                        | 9.69<br>(31.8) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *11680<br>*25750                                                                  | 9500<br>20940                                                                     | *8460<br>*18650                                                                   | 6130<br>13510                                                                     | *7000<br>*15430                                                                    | 4260<br>9390                                                                        | 4840<br>10670                                                                       | 2580<br>5690                                                                        | 9.90<br>(32.5) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *13960<br>*30780                                                                  | 8700<br>19180                                                                     | *9730<br>*21450                                                                   | 5700<br>12570                                                                     | 7460<br>16450                                                                      | 4030<br>8880                                                                        | 4820<br>10630                                                                       | 2550<br>5620                                                                        | 9.84<br>(32.3) |
| Ground Line       | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *14930<br>*32910                                                                  | 8370<br>18450                                                                     | 10400<br>22930                                                                    | 5430<br>11970                                                                     | 7270<br>16030                                                                      | 3860<br>8510                                                                        | 5060<br>11160                                                                       | 2670<br>5890                                                                        | 9.51<br>(31.2) |
| -1.5 m (-5 ft)    | kg<br>lb |                                                                                   |                                                                                   | *15220<br>*33550                                                                  | *15220<br>*33550                                                                  | *14910<br>*32870                                                                  | 8320<br>18340                                                                     | 10280<br>22660                                                                    | 5330<br>11750                                                                     | 7200<br>15870                                                                      | 3800<br>8380                                                                        | 5680<br>12520                                                                       | 3030<br>6680                                                                        | 8.87<br>(29.1) |
| -3.0 m (-10 ft)   | kg<br>lb | *17240<br>*38010                                                                  | *17240<br>*38010                                                                  | *20000<br>*44090                                                                  | 17350<br>38250                                                                    | *14040<br>*30950                                                                  | 8450<br>18630                                                                     | 10340<br>22800                                                                    | 5380<br>11860                                                                     |                                                                                    |                                                                                     | *6780<br>*14950                                                                     | 3820<br>8420                                                                        | 7.82<br>(25.7) |
| -4.5 m (-15 ft)   | kg<br>lb |                                                                                   |                                                                                   | *16720<br>*36860                                                                  | *16720<br>*36860                                                                  | *11970<br>*26390                                                                  | 8780<br>19360                                                                     |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                |

(3) 6.25 m (20' 6") boom, 3.05 m (10' 0") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

| Load point height |          | Load radius                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       | At max. reach                                                                         |                                                                                       |                 |
|-------------------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|
|                   |          | 1.5 m (5 ft)                                                                        |                                                                                     | 3.0 m (10 ft)                                                                       |                                                                                     | 4.5 m (15 ft)                                                                       |                                                                                     | 6.0 m (20 ft)                                                                       |                                                                                     | 7.5 m (25 ft)                                                                       |                                                                                     | 9.0 m (30 ft)                                                                        |                                                                                       | Capacity                                                                              |                                                                                       | Reach           |
|                   |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m (ft)          |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       | *4780<br>*10540                                                                       | 3510<br>7740                                                                          | 8.94<br>(29.3)  |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *5270<br>*11620                                                                     | 4740<br>10450                                                                       |                                                                                      |                                                                                       | *4940<br>*10890                                                                       | 2870<br>6330                                                                          | 9.74<br>(32.0)  |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *6380<br>*14070                                                                     | *6380<br>*14070                                                                     | *5780<br>*12740                                                                     | 4540<br>10010                                                                       |                                                                                      |                                                                                       | 4680<br>10320                                                                         | 2510<br>5530                                                                          | 10.20<br>(33.5) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                     |                                                                                     | *10490<br>*23130                                                                    | *10490<br>*23130                                                                    | *10510<br>*23170                                                                    | 9770<br>21540                                                                       | *7800<br>*17200                                                                     | 6210<br>13690                                                                       | *6530<br>*14400                                                                     | 4280<br>9440                                                                        | *4420<br>*9740                                                                       | 3050<br>6720                                                                          | 4430<br>9770                                                                          | 2330<br>5140                                                                          | 10.40<br>(34.1) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *13100<br>*28880                                                                    | 8830<br>19470                                                                       | *9190<br>*20260                                                                     | 5730<br>12630                                                                       | *7320<br>*16140                                                                     | 4010<br>8840                                                                        | *5230<br>*11530                                                                      | 2910<br>6420                                                                          | 4400<br>9700                                                                          | 2280<br>5030                                                                          | 10.35<br>(34.0) |
| Ground Line       | kg<br>lb |                                                                                     |                                                                                     | *10140<br>*22350                                                                    | *10140<br>*22350                                                                    | *14530<br>*32030                                                                    | 8340<br>18390                                                                       | *10220<br>*22530                                                                    | 5400<br>11900                                                                       | 7220<br>15920                                                                       | 3810<br>8400                                                                        | *4600<br>*10140                                                                      | 2810<br>6190                                                                          | 4590<br>10120                                                                         | 2380<br>5250                                                                          | 10.04<br>(32.9) |
| -1.5 m (-5 ft)    | kg<br>lb | *10990<br>*24230                                                                    | *10990<br>*24230                                                                    | *14250<br>*31420                                                                    | *14250<br>*31420                                                                    | *14890<br>*32830                                                                    | 8190<br>18060                                                                       | 10180<br>22440                                                                      | 5230<br>11530                                                                       | 7100<br>15650                                                                       | 3710<br>8180                                                                        |                                                                                      |                                                                                       | 5070<br>11180                                                                         | 2660<br>5860                                                                          | 9.44<br>(31.0)  |
| -3.0 m (-10 ft)   | kg<br>lb | *14880<br>*32800                                                                    | *14880<br>*32800                                                                    | *19250<br>*42440                                                                    | 16930<br>37320                                                                      | *14380<br>*31700                                                                    | 8250<br>18190                                                                       | 10180<br>22440                                                                      | 5230<br>11530                                                                       | 7130<br>15720                                                                       | 3720<br>8200                                                                        |                                                                                      |                                                                                       | 6090<br>13430                                                                         | 3250<br>7170                                                                          | 8.48<br>(27.8)  |
| -4.5 m (-15 ft)   | kg<br>lb | *19470<br>*42920                                                                    | *19470<br>*42920                                                                    | *18400<br>*40570                                                                    | 17430<br>38430                                                                      | *12820<br>*28260                                                                    | 8500<br>18740                                                                       | *9370<br>*20660                                                                     | 5410<br>11930                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       | *6400<br>*14110                                                                       | 4660<br>10270                                                                         | 6.97<br>(22.9)  |



(4) 6.25 m (20' 6") boom, 3.75 m (12' 4") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

| Load point height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | At max. reach                                                                       |                                                                                     |                 |
|-------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|
|                   |          | 1.5 m (5 ft)                                                                      |                                                                                   | 3.0 m (10 ft)                                                                     |                                                                                   | 4.5 m (15 ft)                                                                     |                                                                                   | 6.0 m (20 ft)                                                                     |                                                                                   | 7.5 m (25 ft)                                                                     |                                                                                   | 9.0 m (30 ft)                                                                       |                                                                                     | Capacity                                                                            |                                                                                     | Reach           |
|                   |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m (ft)          |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     | *4230<br>*9330                                                                      | 3010<br>6640                                                                        | 9.67<br>(31.7)  |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *4470<br>*9850                                                                    | *4470<br>*9850                                                                    | *2540<br>*5600                                                                      | *2540<br>*5600                                                                      | *4400<br>*9700                                                                      | 2500<br>5510                                                                        | 10.40<br>(34.1) |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *5050<br>*11130                                                                   | 4630<br>10210                                                                     | *3970<br>*8750                                                                      | 3220<br>7100                                                                        | 4200<br>9260                                                                        | 2200<br>4850                                                                        | 10.83<br>(35.5) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                   |                                                                                   | *14430<br>*31810                                                                  | *14430<br>*31810                                                                  | *8910<br>*19640                                                                   | *8910<br>*19640                                                                   | *6870<br>*15150                                                                   | 6380<br>14070                                                                     | *5870<br>*12940                                                                   | 4340<br>9570                                                                      | *5060<br>*11160                                                                     | 3070<br>6770                                                                        | 3980<br>8770                                                                        | 2040<br>4500                                                                        | 11.02<br>(36.2) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                   |                                                                                   | *10550<br>*23260                                                                  | *10550<br>*23260                                                                  | *11820<br>*26060                                                                  | 9130<br>20130                                                                     | *8410<br>*18540                                                                   | 5840<br>12870                                                                     | *6760<br>*14900                                                                   | 4040<br>8910                                                                      | 5500<br>12130                                                                       | 2900<br>6390                                                                        | 3940<br>8690                                                                        | 1990<br>4390                                                                        | 10.97<br>(36.0) |
| Ground Line       | kg<br>lb | *6830<br>*15060                                                                   | *6830<br>*15060                                                                   | *10900<br>*24030                                                                  | *10900<br>*24030                                                                  | *13790<br>*30400                                                                  | 8440<br>18610                                                                     | *9670<br>*21320                                                                   | 5430<br>11970                                                                     | 7220<br>15920                                                                     | 3800<br>8380                                                                      | 5350<br>11790                                                                       | 2760<br>6080                                                                        | 4080<br>8990                                                                        | 2050<br>4520                                                                        | 10.68<br>(35.0) |
| -1.5 m (-5 ft)    | kg<br>lb | *9850<br>*21720                                                                   | *9850<br>*21720                                                                   | *13520<br>*29810                                                                  | *13520<br>*29810                                                                  | *14680<br>*32360                                                                  | 8130<br>17920                                                                     | 10140<br>22350                                                                    | 5190<br>11440                                                                     | 7040<br>15520                                                                     | 3640<br>8020                                                                      | 5260<br>11600                                                                       | 2680<br>5910                                                                        | 4450<br>9810                                                                        | 2260<br>4980                                                                        | 10.12<br>(33.2) |
| -3.0 m (-10 ft)   | kg<br>lb | *13010<br>*28680                                                                  | *13010<br>*28680                                                                  | *17210<br>*37940                                                                  | 16550<br>36490                                                                    | *14640<br>*32280                                                                  | 8090<br>17840                                                                     | 10050<br>22160                                                                    | 5110<br>11270                                                                     | 6990<br>15410                                                                     | 3590<br>7910                                                                      |                                                                                     |                                                                                     | 5190<br>11440                                                                       | 2700<br>5950                                                                        | 9.25<br>(30.3)  |
| -4.5 m (-15 ft)   | kg<br>lb | *16680<br>*36770                                                                  | *16680<br>*36770                                                                  | *20250<br>*44640                                                                  | 16940<br>37350                                                                    | *13660<br>*30120                                                                  | 8230<br>18140                                                                     | *9980<br>*22000                                                                   | 5190<br>11440                                                                     |                                                                                   |                                                                                   |                                                                                     |                                                                                     | *6200<br>*13670                                                                     | 3640<br>8020                                                                        | 7.92<br>(26.0)  |

### 3) R300LC-9SH LONG REACH

(1) 10.2 m (33' 6") boom, 7.85 m (25' 9") arm equipped with 0.52 m<sup>3</sup> (SAE heaped) bucket and 800 mm (32") triple grouser shoe and 7000 kg (15450 lb) counterweight.

•  : Rating over-front

•  : Rating over-side or 360 degree

| Load point height |    | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | At max. reach                                                                       |                                                                                     |        |
|-------------------|----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|
|                   |    | 6.0 m (20.0 ft)                                                                   |                                                                                   | 7.5 m (25.0 ft)                                                                   |                                                                                   | 9.0 m (30.0 ft)                                                                   |                                                                                   | 10.5 m (35.0 ft)                                                                  |                                                                                   | 12.0 m (40.0 ft)                                                                  |                                                                                   | 13.5 m (45.0 ft)                                                                  |                                                                                     | 15.0 m (50.0 ft)                                                                    |                                                                                     | Capacity                                                                            |                                                                                     | Reach  |
|                   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m (ft) |
| 13.5 m            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | *1770                                                                               | *1770                                                                               | 14.13  |
| 45.0 ft           | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | *3900                                                                               | *3900                                                                               | (46.4) |
| 12.0 m            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | *1790                                                                               | *1790                                                                               | 15.27  |
| 40.0 ft           | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | *3950                                                                               | *3950                                                                               | (50.1) |
| 10.5 m            | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *1060                                                                               | *1060                                                                               | *1820                                                                               | *1820                                                                               | 16.18  |
| 35.0 ft           | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *2340                                                                               | *2340                                                                               | *4010                                                                               | *4010                                                                               | (53.1) |
| 9.0 m             | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *1520                                                                               | *1520                                                                               | *1860                                                                               | 1700                                                                                | 16.89  |
| 30.0 ft           | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | *3350                                                                               | *3350                                                                               | *4100                                                                               | 3750                                                                                | (55.4) |
| 7.5 m             | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *1890                                                                             | *1890                                                                               | *1830                                                                               | *1830                                                                               | *1910                                                                               | 1520                                                                                | 17.44  |
| 25.0 ft           | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *4170                                                                             | *4170                                                                               | *4030                                                                               | *4030                                                                               | *4210                                                                               | 3350                                                                                | (57.2) |
| 6.0 m             | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *2030                                                                             | *2030                                                                               | *2010                                                                               | *2010                                                                               | *1970                                                                               | 1390                                                                                | 17.83  |
| 20.0 ft           | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *4480                                                                             | *4480                                                                               | *4430                                                                               | *4430                                                                               | *4340                                                                               | 3060                                                                                | (58.5) |
| 4.5 m             | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *2330                                                                             | *2330                                                                             | *2210                                                                             | *2210                                                                               | *2140                                                                               | 2040                                                                                | *2040                                                                               | 1300                                                                                | 18.08  |
| 15.0 ft           | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *5140                                                                             | *5140                                                                             | *4870                                                                             | *4870                                                                               | *4720                                                                               | 4500                                                                                | *4500                                                                               | 2870                                                                                | (59.3) |
| 3.0 m             | kg |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *3260                                                                             | *3260                                                                             | *2880                                                                             | *2880                                                                             | *2610                                                                             | *2610                                                                             | *2420                                                                             | 2420                                                                                | *2290                                                                               | 1940                                                                                | *2110                                                                               | 1230                                                                                | 18.20  |
| 10.0 ft           | lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *7190                                                                             | *7190                                                                             | *6350                                                                             | *6350                                                                             | *5750                                                                             | *5750                                                                             | *5340                                                                             | 5340                                                                                | *5050                                                                               | 4280                                                                                | *4650                                                                               | 2710                                                                                | (59.7) |
| 1.5 m             | kg | *6160                                                                             | *6160                                                                             | *4690                                                                             | *4690                                                                             | *3830                                                                             | *3830                                                                             | *3280                                                                             | *3280                                                                             | *2900                                                                             | 2820                                                                              | *2640                                                                             | 2270                                                                                | *2450                                                                               | 1830                                                                                | *2200                                                                               | 1190                                                                                | 18.19  |
| 5.0 ft            | lb | *13580                                                                            | *13580                                                                            | *10340                                                                            | *10340                                                                            | *8440                                                                             | *8440                                                                             | *7230                                                                             | *7230                                                                             | *6390                                                                             | 6220                                                                              | *5820                                                                             | 5000                                                                                | *5400                                                                               | 4030                                                                                | *4850                                                                               | 2620                                                                                | (59.7) |
| Ground /line      | kg | *7310                                                                             | 7180                                                                              | *5460                                                                             | 5330                                                                              | *4370                                                                             | 4120                                                                              | *3670                                                                             | 3270                                                                              | *3190                                                                             | 2630                                                                              | *2860                                                                             | 2130                                                                                | *2610                                                                               | 1730                                                                                | 2190                                                                                | 1180                                                                                | 18.04  |
|                   | lb | *16120                                                                            | 15830                                                                             | *12040                                                                            | 11750                                                                             | *9630                                                                             | 9080                                                                              | *8090                                                                             | 7210                                                                              | *7030                                                                             | 5800                                                                              | *6310                                                                             | 4700                                                                                | *5750                                                                               | 3810                                                                                | 4830                                                                                | 2600                                                                                | (59.2) |
| -1.5 m            | kg | *8140                                                                             | 6610                                                                              | *6090                                                                             | 4910                                                                              | *4840                                                                             | 3810                                                                              | *4020                                                                             | 3040                                                                              | *3460                                                                             | 2460                                                                              | *3060                                                                             | 2010                                                                                | *2760                                                                               | 1650                                                                                | 2220                                                                                | 1190                                                                                | 17.76  |
| -5.0 ft           | lb | *17950                                                                            | 14570                                                                             | *13430                                                                            | 10820                                                                             | *10670                                                                            | 8400                                                                              | *8860                                                                             | 6700                                                                              | *7630                                                                             | 5420                                                                              | *6750                                                                             | 4430                                                                                | *6080                                                                               | 3640                                                                                | 4890                                                                                | 2620                                                                                | (58.3) |
| -3.0 m            | kg | *8680                                                                             | 6290                                                                              | *6550                                                                             | 4620                                                                              | *5210                                                                             | 3590                                                                              | *4320                                                                             | 2870                                                                              | *3690                                                                             | 2330                                                                              | *3230                                                                             | 1910                                                                                | 2850                                                                                | 1580                                                                                | 2290                                                                                | 1230                                                                                | 17.33  |
| -10.0 ft          | lb | *19140                                                                            | 13870                                                                             | *14440                                                                            | 10190                                                                             | *11490                                                                            | 7910                                                                              | *9520                                                                             | 6330                                                                              | *8140                                                                             | 5140                                                                              | *7120                                                                             | 4210                                                                                | 6280                                                                                | 3480                                                                                | 5050                                                                                | 2710                                                                                | (56.9) |
| -4.5 m            | kg | *8980                                                                             | 6130                                                                              | *6850                                                                             | 4460                                                                              | *5480                                                                             | 3450                                                                              | *4540                                                                             | 2750                                                                              | *3870                                                                             | 2240                                                                              | 3300                                                                              | 1850                                                                                | 2810                                                                                | 1540                                                                                | 2420                                                                                | 1310                                                                                | 16.75  |
| -15.0 ft          | lb | *19800                                                                            | 13510                                                                             | *15100                                                                            | 9830                                                                              | *12080                                                                            | 7610                                                                              | *10010                                                                            | 6060                                                                              | *8530                                                                             | 4940                                                                              | 7280                                                                              | 4080                                                                                | 6190                                                                                | 3400                                                                                | 5340                                                                                | 2890                                                                                | (55.0) |
| -6.0 m            | kg | *9060                                                                             | 6100                                                                              | *7000                                                                             | 4400                                                                              | *5630                                                                             | 3370                                                                              | *4670                                                                             | 2690                                                                              | 3880                                                                              | 2190                                                                              | 3270                                                                              | 1820                                                                                | *2720                                                                               | 1540                                                                                | 2600                                                                                | 1430                                                                                | 15.99  |
| -20.0 ft          | lb | *19970                                                                            | 13450                                                                             | *15430                                                                            | 9700                                                                              | *12410                                                                            | 7430                                                                              | *10300                                                                            | 5930                                                                              | 8550                                                                              | 4830                                                                              | 7210                                                                              | 4010                                                                                | *6000                                                                               | 3400                                                                                | 5730                                                                                | 3150                                                                                | (52.5) |
| -7.5 m            | kg | *8940                                                                             | 6160                                                                              | *6980                                                                             | 4410                                                                              | *5650                                                                             | 3370                                                                              | *4700                                                                             | 2680                                                                              | 3880                                                                              | 2190                                                                              | 3280                                                                              | 1830                                                                                |                                                                                     |                                                                                     | 2890                                                                                | 1620                                                                                | 15.04  |
| -25.0 ft          | lb | *19710                                                                            | 13580                                                                             | *15390                                                                            | 9720                                                                              | *12460                                                                            | 7430                                                                              | *10360                                                                            | 5910                                                                              | 8550                                                                              | 4830                                                                              | 7230                                                                              | 4030                                                                                |                                                                                     |                                                                                     | 6370                                                                                | 3570                                                                                | (49.3) |
| -9.0 m            | kg | *8600                                                                             | 6300                                                                              | *6780                                                                             | 4500                                                                              | *5520                                                                             | 3430                                                                              | *4590                                                                             | 2730                                                                              | *3860                                                                             | 2240                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     | *3070                                                                               | 1920                                                                                | 13.83  |
| -30.0 ft          | lb | *18960                                                                            | 13890                                                                             | *14950                                                                            | 9920                                                                              | *12170                                                                            | 7560                                                                              | *10120                                                                            | 6020                                                                              | *8510                                                                             | 4940                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     | *6770                                                                               | 4230                                                                                | (45.4) |
| -10.5 m           | kg | *7990                                                                             | 6540                                                                              | *6350                                                                             | 4660                                                                              | *5180                                                                             | 3560                                                                              | *4270                                                                             | 2850                                                                              | *3500                                                                             | 2370                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     | *3230                                                                               | 2410                                                                                | 12.31  |
| -35.0 ft          | lb | *17610                                                                            | 14420                                                                             | *14000                                                                            | 10270                                                                             | *11420                                                                            | 7850                                                                              | *9410                                                                             | 6280                                                                              | *7720                                                                             | 5220                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     | *7120                                                                               | 5310                                                                                | (40.4) |
| -12.0 m           | kg | *7010                                                                             | 6880                                                                              | *5590                                                                             | 4920                                                                              | *4510                                                                             | 3780                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |        |
| -40.0 ft          | lb | *15450                                                                            | 15170                                                                             | *12320                                                                            | 10850                                                                             | *9940                                                                             | 8330                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |        |
| -13.5 m           | kg | *5410                                                                             | *5410                                                                             | *4210                                                                             | *4210                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |        |
| -45.0 ft          | lb | *11930                                                                            | *11930                                                                            | *9280                                                                             | *9280                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |        |

- 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 load point is a hook located on the back of the bucket.
  4. \* indicates load limited by hydraulic capacity.

#### 4) R300LC-9SH HIGH WALKER

(1) 6.25 m (20' 6") boom, 2.10 m (6' 11") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

•  : Rating over-front •  : Rating over-side or 360 degree

| Load point height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|-------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                   |          | 3.0 m (10 ft)                                                                     |                                                                                   | 4.5 m (15 ft)                                                                     |                                                                                   | 6.0 m (20 ft)                                                                     |                                                                                   | 7.5 m (25 ft)                                                                     |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                   |          |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *6200<br>*13670                                                                   | *6200<br>*13670                                                                   |                                                                                   |                                                                                     | *5720<br>*12610                                                                     | 5510<br>12150                                                                       | 8.21<br>(26.9) |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *6710<br>*14790                                                                   | *6710<br>*14790                                                                   | *6390<br>*14090                                                                   | 6260<br>13800                                                                       | *5840<br>*12870                                                                     | 4570<br>10080                                                                       | 9.02<br>(29.6) |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                   |                                                                                   | *10170<br>*22420                                                                  | *10170<br>*22420                                                                  | *7830<br>*17260                                                                   | *7830<br>*17260                                                                   | *6810<br>*15010                                                                   | 6100<br>13450                                                                       | *6000<br>*13230                                                                     | 4090<br>9020                                                                        | 9.48<br>(31.1) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                   |                                                                                   | *13040<br>*28750                                                                  | 12920<br>28480                                                                    | *9160<br>*20190                                                                   | 8330<br>18360                                                                     | *7460<br>*16450                                                                   | 5870<br>12940                                                                       | 5840<br>12870                                                                       | 3900<br>8600                                                                        | 9.65<br>(31.7) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                   |                                                                                   | *14740<br>*32500                                                                  | 12300<br>27120                                                                    | *10270<br>*22640                                                                  | 7950<br>17530                                                                     | *8080<br>*17810                                                                   | 5670<br>12500                                                                       | 5890<br>12990                                                                       | 3920<br>8640                                                                        | 9.53<br>(31.3) |
| Ground Line       | kg<br>lb |                                                                                   |                                                                                   | *15120<br>*33330                                                                  | 12140<br>26760                                                                    | *10860<br>*23940                                                                  | 7750<br>17090                                                                     | 8390<br>18500                                                                     | 5550<br>12240                                                                       | 6290<br>13870                                                                       | 4190<br>9240                                                                        | 9.13<br>(30.0) |
| -1.5 m (-5 ft)    | kg<br>lb | *15930<br>*35120                                                                  | *15930<br>*35120                                                                  | *14660<br>*32320                                                                  | 12190<br>26870                                                                    | *10820<br>*23850                                                                  | 7710<br>17000                                                                     | *8290<br>*18280                                                                   | 5550<br>12240                                                                       | *6770<br>*14930                                                                     | 4830<br>10650                                                                       | 8.40<br>(27.6) |
| -3.0 m (-10 ft)   | kg<br>lb | *18380<br>*40520                                                                  | *18380<br>*40520                                                                  | *13340<br>*29410                                                                  | 12410<br>27360                                                                    | *9900<br>*21830                                                                   | 7860<br>17330                                                                     |                                                                                   |                                                                                     | *6590<br>*14530                                                                     | 6310<br>13910                                                                       | 7.20<br>(23.6) |
| -4.5 m (-15 ft)   | kg<br>lb | *14220<br>*31350                                                                  | *14220<br>*31350                                                                  | *10330<br>*22770                                                                  | *10330<br>*22770                                                                  |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                |

- 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 load point is a hook located on the back of the bucket.
  4. \* indicates load limited by hydraulic capacity.

(2) 6.25 m (20' 6") boom, 2.50 m (8' 2") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

| Load point height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | At max. reach                                                                       |                                                                                     |                |
|-------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
|                   |          | 1.5 m (5 ft)                                                                      |                                                                                   | 3.0 m (10 ft)                                                                     |                                                                                   | 4.5 m (15 ft)                                                                     |                                                                                   | 6.0 m (20 ft)                                                                     |                                                                                   | 7.5 m (25 ft)                                                                      |                                                                                     | Capacity                                                                            |                                                                                     | Reach          |
|                   |          |  |  |  |  |  |  |  |  |  |  |  |  | m (ft)         |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | *5270<br>*11620                                                                     | 5210<br>11490                                                                       | 8.53<br>(28.0) |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *6190<br>*13650                                                                   | *6190<br>*13650                                                                   | *5920<br>*13050                                                                    | *5920<br>*13050                                                                     | *5430<br>*11970                                                                     | 4360<br>9610                                                                        | 9.31<br>(30.5) |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *9290<br>*20480                                                                   | *9290<br>*20480                                                                   | *7330<br>*16160                                                                   | *7330<br>*16160                                                                   | *6430<br>*14180                                                                    | 6140<br>13540                                                                       | *5630<br>*12410                                                                     | 3910<br>8620                                                                        | 9.75<br>(32.0) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *12200<br>*26900                                                                  | *12200<br>*26900                                                                  | *8720<br>*19220                                                                   | 8390<br>18500                                                                     | *7140<br>*15740                                                                    | 5890<br>12990                                                                       | 5510<br>12150                                                                       | 3710<br>8180                                                                        | 9.91<br>(32.5) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *14240<br>*31390                                                                  | 12350<br>27230                                                                    | *9930<br>*21890                                                                   | 7960<br>17550                                                                     | *7830<br>*17260                                                                    | 5660<br>12480                                                                       | 5540<br>12210                                                                       | 3720<br>8200                                                                        | 9.80<br>(32.2) |
| Ground Line       | kg<br>lb |                                                                                   |                                                                                   | *10120<br>*22310                                                                  | *10120<br>*22310                                                                  | *14990<br>*33050                                                                  | 12070<br>26610                                                                    | *10680<br>*23550                                                                  | 7710<br>17000                                                                     | 8240<br>18170                                                                      | 5510<br>12150                                                                       | 5880<br>12960                                                                       | 3950<br>8710                                                                        | 9.42<br>(30.9) |
| -1.5 m (-5 ft)    | kg<br>lb | *13060<br>*28790                                                                  | *13060<br>*28790                                                                  | *16430<br>*36220                                                                  | *16430<br>*36220                                                                  | *14810<br>*32650                                                                  | 12060<br>26590                                                                    | *10820<br>*23850                                                                  | 7630<br>16820                                                                     | 8190<br>18060                                                                      | 5460<br>12040                                                                       | 6670<br>14700                                                                       | 4500<br>9920                                                                        | 8.71<br>(28.6) |
| -3.0 m (-10 ft)   | kg<br>lb | *18310<br>*40370                                                                  | *18310<br>*40370                                                                  | *19530<br>*43060                                                                  | *19530<br>*43060                                                                  | *13770<br>*30360                                                                  | 12240<br>26980                                                                    | *10190<br>*22470                                                                  | 7720<br>17020                                                                     |                                                                                    |                                                                                     | *6770<br>*14930                                                                     | 5720<br>12610                                                                       | 7.57<br>(24.8) |
| -4.5 m (-15 ft)   | kg<br>lb |                                                                                   |                                                                                   | *15840<br>*34920                                                                  | *15840<br>*34920                                                                  | *11350<br>*25020                                                                  | *11350<br>*25020                                                                  |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                |

(3) 6.25 m (20' 6") boom, 3.05 m (10' 0") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

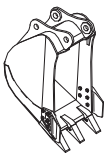
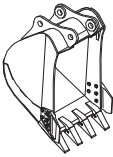
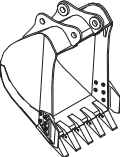
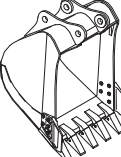
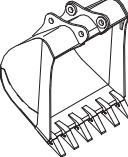
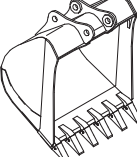
| Load point height |          | Load radius                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       | At max. reach                                                                         |                                                                                       |                 |
|-------------------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|
|                   |          | 1.5 m (5 ft)                                                                        |                                                                                     | 3.0 m (10 ft)                                                                       |                                                                                     | 4.5 m (15 ft)                                                                       |                                                                                     | 6.0 m (20 ft)                                                                       |                                                                                     | 7.5 m (25 ft)                                                                       |                                                                                     | 9.0 m (30 ft)                                                                        |                                                                                       | Capacity                                                                              |                                                                                       | Reach           |
|                   |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m (ft)          |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *3560<br>*7850                                                                      | *3560<br>*7850                                                                      |                                                                                      |                                                                                       | *4810<br>*10600                                                                       | 4650<br>10250                                                                         | 9.12<br>(29.9)  |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *5340<br>*11770                                                                     | *5340<br>*11770                                                                     |                                                                                      |                                                                                       | *4970<br>*10960                                                                       | 3950<br>8710                                                                          | 9.85<br>(32.3)  |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *6630<br>*14620                                                                     | *6630<br>*14620                                                                     | *5910<br>*13030                                                                     | *5910<br>*13030                                                                     | *3130<br>*6900                                                                       | *3130<br>*6900                                                                        | *5180<br>*11420                                                                       | 3560<br>7850                                                                          | 10.26<br>(33.7) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *11060<br>*24380                                                                    | *11060<br>*24380                                                                    | *8070<br>*17790                                                                     | *8070<br>*17790                                                                     | *6680<br>*14730                                                                     | 5910<br>13030                                                                       | *4640<br>*10230                                                                      | 4330<br>9550                                                                          | 5060<br>11160                                                                         | 3390<br>7470                                                                          | 10.41<br>(34.2) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                     |                                                                                     | *7260<br>*16010                                                                     | *7260<br>*16010                                                                     | *13460<br>*29670                                                                    | 12460<br>27470                                                                      | *9420<br>*20770                                                                     | 7980<br>17590                                                                       | *7460<br>*16450                                                                     | 5640<br>12430                                                                       | *5260<br>*11600                                                                      | 4190<br>9240                                                                          | 5070<br>11180                                                                         | 3380<br>7450                                                                          | 10.31<br>(33.8) |
| Ground Line       | kg<br>lb |                                                                                     |                                                                                     | *10880<br>*23990                                                                    | *10880<br>*23990                                                                    | *14670<br>*32340                                                                    | 12020<br>26500                                                                      | *10360<br>*22840                                                                    | 7660<br>16890                                                                       | *8040<br>*17730                                                                     | 5450<br>12020                                                                       |                                                                                      |                                                                                       | 5340<br>11770                                                                         | 3560<br>7850                                                                          | 9.95<br>(32.6)  |
| -1.5 m (-5 ft)    | kg<br>lb | *11690<br>*25770                                                                    | *11690<br>*25770                                                                    | *15110<br>*33310                                                                    | *15110<br>*33310                                                                    | *14860<br>*32760                                                                    | 11910<br>26260                                                                      | *10720<br>*23630                                                                    | 7530<br>16600                                                                       | 8090<br>17840                                                                       | 5360<br>11820                                                                       |                                                                                      |                                                                                       | 5960<br>13140                                                                         | 3990<br>8800                                                                          | 9.29<br>(30.5)  |
| -3.0 m (-10 ft)   | kg<br>lb | *15680<br>*34570                                                                    | *15680<br>*34570                                                                    | *20360<br>*44890                                                                    | *20360<br>*44890                                                                    | *14180<br>*31260                                                                    | 12010<br>26480                                                                      | *10400<br>*22930                                                                    | 7560<br>16670                                                                       | *7880<br>*17370                                                                     | 5410<br>11930                                                                       |                                                                                      |                                                                                       | *6450<br>*14220                                                                       | 4900<br>10800                                                                         | 8.24<br>(27.0)  |
| -4.5 m (-15 ft)   | kg<br>lb | *20460<br>*45110                                                                    | *20460<br>*45110                                                                    | *17650<br>*38910                                                                    | *17650<br>*38910                                                                    | *12350<br>*27230                                                                    | 12320<br>27160                                                                      | *8950<br>*19730                                                                     | 7790<br>17170                                                                       |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                 |

(4) 6.25 m (20' 6") boom, 3.75 m (12' 4") arm equipped with 1.27 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 4600 kg (10140 lb) counterweight.

| Load point height |          | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | At max. reach                                                                       |                                                                                     |                 |
|-------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|
|                   |          | 1.5 m (5 ft)                                                                      |                                                                                   | 3.0 m (10 ft)                                                                     |                                                                                   | 4.5 m (15 ft)                                                                     |                                                                                   | 6.0 m (20 ft)                                                                     |                                                                                   | 7.5 m (25 ft)                                                                     |                                                                                    | 9.0 m (30 ft)                                                                       |                                                                                     | Capacity                                                                            |                                                                                     | Reach           |
|                   |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m (ft)          |
| 7.5 m (25 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | *4260<br>*9390                                                                      | 4070<br>8970                                                                        | 9.83<br>(32.3)  |
| 6.0 m (20 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *4560<br>*10050                                                                   | *4560<br>*10050                                                                    | *2880<br>*6350                                                                      | *2880<br>*6350                                                                      | *4430<br>*9770                                                                      | 3500<br>7720                                                                        | 10.50<br>(34.4) |
| 4.5 m (15 ft)     | kg<br>lb |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | *5200<br>*11460                                                                   | *5200<br>*11460                                                                    | *4190<br>*9240                                                                      | *4190<br>*9240                                                                      | *4640<br>*10230                                                                     | 3180<br>7010                                                                        | 10.89<br>(35.7) |
| 3.0 m (10 ft)     | kg<br>lb |                                                                                   |                                                                                   | *15960<br>*35190                                                                  | *15960<br>*35190                                                                  | *9500<br>*20940                                                                   | *9500<br>*20940                                                                   | *7170<br>*15810                                                                   | *7170<br>*15810                                                                   | *6040<br>*13320                                                                   | 5970<br>13160                                                                      | *5270<br>*11620                                                                     | 4350<br>9590                                                                        | 4570<br>10080                                                                       | 3020<br>6660                                                                        | 11.03<br>(36.2) |
| 1.5 m (5 ft)      | kg<br>lb |                                                                                   |                                                                                   | *10240<br>*22580                                                                  | *10240<br>*22580                                                                  | *12280<br>*27070                                                                  | *12280<br>*27070                                                                  | *8680<br>*19140                                                                   | 8090<br>17840                                                                     | *6920<br>*15260                                                                   | 5670<br>12500                                                                      | *5940<br>*13100                                                                     | 4180<br>9220                                                                        | 4570<br>10080                                                                       | 3010<br>6640                                                                        | 10.93<br>(35.9) |
| Ground Line       | kg<br>lb | *7420<br>*16360                                                                   | *7420<br>*16360                                                                   | *11300<br>*24910                                                                  | *11300<br>*24910                                                                  | *14040<br>*30950                                                                  | 12100<br>26680                                                                    | *9850<br>*21720                                                                   | 7690<br>16950                                                                     | *7660<br>*16890                                                                   | 5430<br>11970                                                                      | 6100<br>13450                                                                       | 4040<br>8910                                                                        | 4760<br>10490                                                                       | 3140<br>6920                                                                        | 10.59<br>(34.7) |
| -1.5 m (-5 ft)    | kg<br>lb | *10420<br>*22970                                                                  | *10420<br>*22970                                                                  | *14140<br>*31170                                                                  | *14140<br>*31170                                                                  | *14740<br>*32500                                                                  | 11830<br>26080                                                                    | *10500<br>*23150                                                                  | 7470<br>16470                                                                     | 8010<br>17660                                                                     | 5280<br>11640                                                                      | *5080<br>*11200                                                                     | 3970<br>8750                                                                        | 5230<br>11530                                                                       | 3460<br>7630                                                                        | 9.98<br>(32.7)  |
| -3.0 m (-10 ft)   | kg<br>lb | *13660<br>*30120                                                                  | *13660<br>*30120                                                                  | *18040<br>*39770                                                                  | *18040<br>*39770                                                                  | *14540<br>*32060                                                                  | 11820<br>26060                                                                    | *10540<br>*23240                                                                  | 7420<br>16360                                                                     | 7980<br>17590                                                                     | 5260<br>11600                                                                      |                                                                                     |                                                                                     | *6020<br>*13270                                                                     | 4120<br>9080                                                                        | 9.03<br>(29.6)  |
| -4.5 m (-15 ft)   | kg<br>lb | *17460<br>*38490                                                                  | *17460<br>*38490                                                                  | *19680<br>*43390                                                                  | *19680<br>*43390                                                                  | *13340<br>*29410                                                                  | 12020<br>26500                                                                    | *9740<br>*21470                                                                   | 7540<br>16620                                                                     |                                                                                   |                                                                                    |                                                                                     |                                                                                     | *6220<br>*13710                                                                     | 5580<br>12300                                                                       | 7.60<br>(24.9)  |

## 6. BUCKET SELECTION GUIDE

### 1) GENERAL BUCKET

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| 0.79 m³ SAE<br>heaped bucket                                                      | 1.03 m³ SAE<br>heaped bucket                                                      | ※ 1.27 m³ SAE<br>heaped bucket                                                    | 1.50 m³ SAE<br>heaped bucket                                                      | 1.73 m³ SAE<br>heaped bucket                                                        | 1.85 m³ SAE<br>heaped bucket                                                        |

| Capacity                |                       | Width                  |                     | Weight               | Recommendation        |                      |                        |                        |
|-------------------------|-----------------------|------------------------|---------------------|----------------------|-----------------------|----------------------|------------------------|------------------------|
|                         |                       |                        |                     |                      | 6.25 m (20' 6") boom  |                      |                        |                        |
| SAE<br>heaped           | CECE<br>heaped        | Without<br>side cutter | With<br>side cutter |                      | 2.1 m arm<br>(6' 11") | 2.5 m arm<br>(8' 2") | 3.05 m arm<br>(10' 0") | 3.75 m arm<br>(12' 4") |
| 0.79 m³<br>(1.03 yd³)   | 0.70 m³<br>(0.92 yd³) | 890 mm<br>(35.0")      | 1010 mm<br>(39.8")  | 790 kg<br>(1740 lb)  |                       |                      |                        |                        |
| 1.03 m³<br>(1.35 yd³)   | 0.90 m³<br>(1.18 yd³) | 1090 mm<br>(42.9")     | 1210 mm<br>(47.6")  | 890 kg<br>(1960 lb)  |                       |                      |                        |                        |
| ※ 1.27 m³<br>(1.66 yd³) | 1.10 m³<br>(1.44 yd³) | 1290 mm<br>(50.8")     | 1410 mm<br>(55.5")  | 1010 kg<br>(2230 lb) |                       |                      |                        |                        |
| 1.50 m³<br>(1.96 yd³)   | 1.30 m³<br>(1.70 yd³) | 1490 mm<br>(58.7")     | 1610 mm<br>(63.4")  | 1080 kg<br>(2380 lb) |                       |                      |                        |                        |
| 1.73 m³<br>(2.26 yd³)   | 1.50 m³<br>(1.96 yd³) | 1700 mm<br>(66.9")     | 1820 mm<br>(71.7")  | 1170 kg<br>(2580 lb) |                       |                      |                        |                        |
| 1.85 m³<br>(2.42 yd³)   | 1.60 m³<br>(2.09 yd³) | 1800 mm<br>(70.9")     | 1920 mm<br>(75.6")  | 1230 kg<br>(2710 lb) |                       |                      |                        |                        |

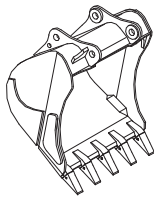
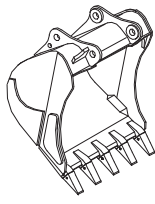
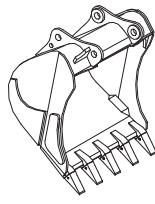
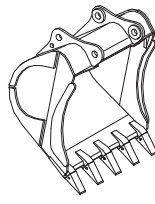
※ : Standard bucket

 Applicable for materials with density of 2000 kgf/m³ (3370 lbf/yd³) or less

 Applicable for materials with density of 1600 kgf/m³ (2700 lbf/yd³) or less

 Applicable for materials with density of 1100 kgf/m³ (1850 lbf/yd³) or less

## 2) ROCK AND HEAVY DUTY BUCKET

|                                                                                      |                                                                                   |                                                                                    |                                                                                      |
|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|     |  |  |   |
| <p>◆ 1.07 m<sup>3</sup> SAE</p> <p>◆ 1.15 m<sup>3</sup> SAE</p> <p>heaped bucket</p> | <p>◆ 1.27 m<sup>3</sup> SAE</p> <p>heaped bucket</p>                              | <p>◆ 1.46 m<sup>3</sup> SAE</p> <p>heaped bucket</p>                               | <p>⊙ 1.16 m<sup>3</sup> SAE</p> <p>⊙ 1.49 m<sup>3</sup> SAE</p> <p>heaped bucket</p> |

| Capacity               |                       | Width                  |                     | Weight               | Recommendation        |                      |                        |                        |
|------------------------|-----------------------|------------------------|---------------------|----------------------|-----------------------|----------------------|------------------------|------------------------|
| SAE<br>heaped          | CECE<br>heaped        | Without<br>side cutter | With<br>side cutter |                      | 6.25 m (20' 6") boom  |                      |                        |                        |
|                        |                       |                        |                     |                      | 2.1 m arm<br>(6' 11") | 2.5 m arm<br>(8' 2") | 3.05 m arm<br>(10' 0") | 3.75 m arm<br>(12' 4") |
| ◆1.07 m³<br>(1.40 yd³) | 0.95 m³<br>(1.24 yd³) | 1150 mm<br>(45.3")     | -                   | 1120 kg<br>(2470 lb) |                       |                      |                        |                        |
| ◆1.15 m³<br>(1.50 yd³) | 1.00 m³<br>(1.31 yd³) | 1210 mm<br>(47.6")     | -                   | 1160 kg<br>(2560 lb) |                       |                      |                        |                        |
| ◆1.27 m³<br>(1.66 yd³) | 1.10 m³<br>(1.44 yd³) | 1310 mm<br>(51.6")     | -                   | 1240 kg<br>(2730 lb) |                       |                      |                        |                        |
| ◆1.46 m³<br>(1.91 yd³) | 1.28 m³<br>(1.67 yd³) | 1460 mm<br>(57.5")     | -                   | 1320 kg<br>(2910 lb) |                       |                      |                        |                        |
| ⊙1.16 m³<br>(1.52 yd³) | 1.00 m³<br>(1.31 yd³) | 1340 mm<br>(52.8")     | -                   | 1280 kg<br>(2820 lb) |                       |                      |                        |                        |
| ⊙1.49 m<br>(1.95 yd³)  | 1.28 m<br>(1.67 yd³)  | 1620 mm<br>(63.8")     | -                   | 1440 kg<br>(3170 lb) |                       |                      |                        |                        |

◆ : Heavy duty bucket

⊙ : Rock bucket

 Applicable for materials with density of 2000 kgf/m<sup>3</sup> (3370 lbf/yd<sup>3</sup>) or less

 Applicable for materials with density of 1600 kgf/m<sup>3</sup> (2700 lbf/yd<sup>3</sup>) or less

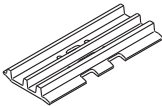
 Applicable for materials with density of 1100 kgf/m<sup>3</sup> (1850 lbf/yd<sup>3</sup>) or less

## 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                                                                     |                |               |                |
|------------------------------|------------------|---------------------------|------------------------------------------------------------------------------------|----------------|---------------|----------------|
|                              |                  |                           |  |                |               |                |
| R300LC-9SH                   | Shoe width       | mm (in)                   | 600 (24)                                                                           | 700 (28)       | 800 (32)      | 900 (36)       |
|                              | Operating weight | kg (lb)                   | 29900 (65920)                                                                      | 30480 (67200)  | 30840 (67990) | 31240 (68870)  |
|                              | Ground pressure  | kgf/cm <sup>2</sup> (psi) | 0.57 (8.11)                                                                        | 0.50 (7.11)    | 0.44 (6.26)   | 0.40 (5.69)    |
|                              | Overall width    | mm (ft-in)                | 3200 (10' 6")                                                                      | 3300 (10' 10") | 3400 (11' 1") | 3500 (11' 5")  |
| R300NLC-9SH                  | Shoe width       | mm (in)                   | 600 (24)                                                                           | -              | -             | -              |
|                              | Operating weight | kg (lb)                   | 29700 (65480)                                                                      | -              | -             | -              |
|                              | Ground pressure  | kgf/cm <sup>2</sup> (psi) | 0.57 (8.11)                                                                        | -              | -             | -              |
|                              | Overall width    | mm (ft-in)                | 2990 (9' 10")                                                                      | -              | -             | -              |
| R300LC-9SH<br>LONG REACH     | Shoe width       | mm (in)                   | -                                                                                  | -              | 800 (32)      | -              |
|                              | Operating weight | kg (lb)                   | -                                                                                  | -              | 33780 (74470) | -              |
|                              | Ground pressure  | kgf/cm <sup>2</sup> (psi) | -                                                                                  | -              | 0.49 (6.97)   | -              |
|                              | Overall width    | mm (ft-in)                | -                                                                                  | -              | 3400 (11' 2") | -              |
| R300LC-9SH<br>HIGH<br>WALKER | Shoe width       | mm (in)                   | 600 (24)                                                                           | 700 (28)       | 800 (32)      | ★710 (28)      |
|                              | Operating weight | kg (lb)                   | 32740 (72180)                                                                      | 33320 (73460)  | 33680 (74250) | 34240 (75490)  |
|                              | Ground pressure  | kgf/cm <sup>2</sup> (psi) | 0.63 (8.96)                                                                        | 0.55 (7.82)    | 0.49 (6.97)   | 0.56 (7.96)    |
|                              | Overall width    | mm (ft-in)                | 3470 (11' 5")                                                                      | 3570 (11' 9")  | 3670 (12' 0") | ★3580 (11' 9") |

★ : Double grouser

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

| Item            | Quantity |
|-----------------|----------|
| Carrier rollers | 2 EA     |
| Track rollers   | 9 EA     |
| Track shoes     | 48 EA    |



#### 4) SELECTION OF TRACK SHOE

Suitable track shoes should be selected according to operating conditions.

##### Method of selecting shoes

Confirm the category from the list of applications in **table 2**, then use **table 1** to select the shoe. Wide shoes (categories B and C) have limitations on applications. Before using wide shoes, check the precautions, then investigate and study the operating conditions to confirm if these shoes are suitable.

Select the narrowest shoe possible to meet the required flotation and ground pressure. Application of wider shoes than recommendations will cause unexpected problem such as bending of shoes, crack of link, breakage of pin, loosening of shoe bolts and the other various problems.

※ **Table 1**

| Track shoe                       | Specification | Category |
|----------------------------------|---------------|----------|
| 600mm triple grouser             | Standard      | A        |
| 700mm triple grouser             | Option        | B        |
| 710mm double grouser             | Option        | B        |
| 800mm triple grouser             | Option        | C        |
| 900mm triple grouser             | Option        | C        |
| 800mm triple grouser(Long reach) | Standard      | C        |

※ **Table 2**

| Category | Applications                                | Precautions                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A        | Rocky ground,<br>river beds,<br>normal soil | <ul style="list-style-type: none"><li>• Travel at low speed on rough ground with large obstacles such as boulders or fallen trees</li></ul>                                                                                                                                                                                                                                                                                 |
| B        | Normal soil,<br>soft ground                 | <ul style="list-style-type: none"><li>• These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees</li><li>• Travel at high speed only on flat ground</li><li>• Travel slowly at low speed if it is impossible to avoid going over obstacles</li></ul>                                                                                                                                |
| C        | Extremely soft ground<br>(swampy ground)    | <ul style="list-style-type: none"><li>• Use the shoes only in the conditions that the machine sinks and it is impossible to use the shoes of category A or B</li><li>• These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees</li><li>• Travel at high speed only on flat ground</li><li>• Travel slowly at low speed if it is impossible to avoid going over obstacles</li></ul> |

## 8. SPECIFICATIONS FOR MAJOR COMPONENTS

### 1) ENGINE

| Item                                | Specification                           |
|-------------------------------------|-----------------------------------------|
| Model                               | HYUNDAI D6AC-C                          |
| Type                                | 4-cycle turbocharged diesel engine      |
| Cooling method                      | Water cooling                           |
| Number of cylinders and arrangement | 6 cylinders, in-line                    |
| Firing order                        | 1-5-3-6-2-4                             |
| Combustion chamber type             | Direct injection type                   |
| Cylinder bore × stroke              | 130 × 140 mm (5.12" × 5.51")            |
| Piston displacement                 | 11149 cc (680 cu in)                    |
| Compression ratio                   | 17 : 1                                  |
| Rated gross horse power (SAE J1995) | 217 Hp at 1900 rpm (162 kW at 1900 rpm) |
| Maximum torque                      | 96.9 kgf · m (701 lbf · ft) at 1400 rpm |
| Engine oil quantity                 | 27.3 ℓ (7.2 U.S. gal)                   |
| Dry weight                          | 920 kg (2028 lb)                        |
| High idling speed                   | 2050 ± 50 rpm                           |
| Low idling speed                    | 750 ± 100 rpm                           |
| Rated fuel consumption              | 157.1 g/Hp · hr at 1900 rpm             |
| Starting motor                      | 24 V-5.5 kW                             |
| Alternator                          | 24 V-70 A                               |
| Battery                             | 2 × 12 V × 160 Ah, *2 × 12V × 200Ah     |

\* : Arctic machinery

### 2) MAIN PUMP

| Item             | Specification                                                           |
|------------------|-------------------------------------------------------------------------|
| Type             | Variable displacement tandem axis piston pumps                          |
| Capacity         | 2 × 140 cc/rev                                                          |
| Maximum pressure | 350 kgf/cm <sup>2</sup> (4980 psi) [380 kgf/cm <sup>2</sup> (5400 psi)] |
| Rated oil flow   | 2 × 252 ℓ /min (66.6 U.S. gpm / 55.4 U.K. gpm)                          |

[    ] : Power boost

### 3) GEAR PUMP

| Item             | Specification                             |
|------------------|-------------------------------------------|
| Type             | Fixed displacement gear pump single stage |
| Capacity         | 15 cc/rev                                 |
| Maximum pressure | 40 kgf/cm <sup>2</sup> (570 psi)          |
| Rated oil flow   | 27 ℓ /min (7.1 U.S. gpm / 5.9 U.K. gpm)   |

### 4) MAIN CONTROL VALVE

| Item                       |        | Specification                                                              |                                                                 |
|----------------------------|--------|----------------------------------------------------------------------------|-----------------------------------------------------------------|
|                            |        | R300LC-9SH                                                                 | R300LC-9SH Long reach                                           |
| Type                       |        | 10 spools                                                                  |                                                                 |
| Operating method           |        | Hydraulic pilot system                                                     |                                                                 |
| Main relief valve pressure |        | 350 kgf/cm <sup>2</sup> (4980 psi)<br>[380 kgf/cm <sup>2</sup> (5400 psi)] | 350 kgf/cm <sup>2</sup> (4980 psi)<br>[Not applied power boost] |
| Port relief valve pressure | Boom   | 400 kgf/cm <sup>2</sup> (5690 psi)                                         | 400 kgf/cm <sup>2</sup> (5690 psi)                              |
|                            | Arm    | 400 kgf/cm <sup>2</sup> (5690 psi)                                         | 250 kgf/cm <sup>2</sup> (3560 psi)                              |
|                            | Bucket | 400 kgf/cm <sup>2</sup> (5690 psi)                                         | 270 kgf/cm <sup>2</sup> (3840 psi)                              |

[ ]: Power boost

### 5) SWING MOTOR

| Item                   | Specification                                |
|------------------------|----------------------------------------------|
| Type                   | Axial piston motor                           |
| Capacity               | 169.4 cc/rev                                 |
| Relief pressure        | 300 kgf/cm <sup>2</sup> (4270 psi)           |
| Braking system         | Automatic, spring applied hydraulic released |
| Braking torque         | 70 kgf · m (506 lbf · ft)                    |
| Brake release pressure | 30~50 kgf/cm <sup>2</sup> (427~711 psi)      |
| Reduction gear type    | 2 - stage planetary                          |

### 6) TRAVEL MOTOR

| Item                   | Specification                                |
|------------------------|----------------------------------------------|
| Type                   | Variable displacement axial piston motor     |
| Relief pressure        | 350 kgf/cm <sup>2</sup> (4980 psi)           |
| Capacity               | 154.8/88.5 cc/rev                            |
| Reduction gear type    | 3-stage planetary                            |
| Braking system         | Automatic, spring applied hydraulic released |
| Brake release pressure | 9 kgf/cm <sup>2</sup> (128 psi)              |
| Braking torque         | 40 kgf · m (290 lbf · ft)                    |

## 7) REMOTE CONTROL VALVE

| Item                    |         | Specification                    |
|-------------------------|---------|----------------------------------|
| Type                    |         | Pressure reducing type           |
| Operating pressure      | Minimum | 6.5 kgf/cm <sup>2</sup> (92 psi) |
|                         | Maximum | 26 kgf/cm <sup>2</sup> (370 psi) |
| Single operation stroke | Lever   | 61 mm (2.4 in)                   |
|                         | Pedal   | 123 mm (4.84 in)                 |

## 8) CYLINDER

| Item                         |                   | Specification      |
|------------------------------|-------------------|--------------------|
| Boom cylinder                | Bore dia × Stroke | Ø 140 × 1465 mm    |
|                              | Cushion           | Extend only        |
| Arm cylinder                 | Bore dia × Stroke | Ø 150 × 1765 mm    |
|                              | Cushion           | Extend and retract |
| Bucket cylinder              | Bore dia × Stroke | Ø 135 × 1185 mm    |
|                              | Cushion           | Extend only        |
| Bucket cylinder (LONG REACH) | Bore dia × Stoke  | Ø 100 × 870 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.

## 9) SHOE

| Item                   |          | Width         | Ground pressure                     | Link quantity | Overall width     |
|------------------------|----------|---------------|-------------------------------------|---------------|-------------------|
| R300LC-9SH             | Standard | 600 mm (24")  | 0.57 kgf/cm <sup>2</sup> (8.11 psi) | 48            | 3200 mm (10' 6")  |
|                        | Option   | 700 mm (28")  | 0.50 kgf/cm <sup>2</sup> (7.11 psi) | 48            | 3300 mm (10' 10") |
|                        |          | 800 mm (32")  | 0.44 kgf/cm <sup>2</sup> (6.26 psi) | 48            | 3400 mm (11' 1")  |
|                        |          | 900 mm (36")  | 0.40 kgf/cm <sup>2</sup> (5.69 psi) | 48            | 3500 mm (11' 5")  |
| R300NLC-9SH            | Standard | 600 mm (24")  | 0.57 kgf/cm <sup>2</sup> (8.11 psi) | 48            | 2990 mm (9' 10")  |
| R300LC-9SH LONG REACH  | Standard | 800 mm (32")  | 0.49 kgf/cm <sup>2</sup> (6.97 psi) | 48            | 3400 mm (11' 2")  |
| R300LC-9SH HIGH WALKER | Standard | 600 mm (24")  | 0.63 kgf/cm <sup>2</sup> (8.96 psi) | 48            | 3470 mm (11' 5")  |
|                        | Option   | 700 mm (28")  | 0.55 kgf/cm <sup>2</sup> (7.82 psi) | 48            | 3570 mm (11' 9")  |
|                        |          | 800 mm (32")  | 0.49 kgf/cm <sup>2</sup> (6.97 psi) | 48            | 3670 mm (12' 0")  |
|                        |          | ★710 mm (28") | 0.56 kgf/cm <sup>2</sup> (7.96 psi) | 48            | 3580 mm (11' 9")  |

★ : Double grouser

## 10) BUCKET

| Item                                  | Capacity                                      |                                             | Tooth quantity | Width               |                  |
|---------------------------------------|-----------------------------------------------|---------------------------------------------|----------------|---------------------|------------------|
|                                       | SAE heaped                                    | CECE heaped                                 |                | Without side cutter | With side cutter |
| R300LC-9SH<br>R300NLC-9SH<br>H/WALKER | 0.79 m <sup>3</sup> (1.03 yd <sup>3</sup> )   | 0.70 m <sup>3</sup> (0.92 yd <sup>3</sup> ) | 3              | 890 mm (35.0")      | 1010 mm (39.8")  |
|                                       | 1.03 m <sup>3</sup> (1.35 yd <sup>3</sup> )   | 0.90 m <sup>3</sup> (1.18 yd <sup>3</sup> ) | 4              | 1090 mm (42.9")     | 1210 mm (47.6")  |
|                                       | ◆ 1.07 m <sup>3</sup> (1.40 yd <sup>3</sup> ) | 0.95 m <sup>3</sup> (1.24 yd <sup>3</sup> ) | 5              | 1150 mm (45.3")     | -                |
|                                       | ◆ 1.15 m <sup>3</sup> (1.50 yd <sup>3</sup> ) | 1.00 m <sup>3</sup> (1.31 yd <sup>3</sup> ) | 5              | 1210 mm (47.6")     | -                |
|                                       | 1.27 m <sup>3</sup> (1.66 yd <sup>3</sup> )   | 1.10 m <sup>3</sup> (1.44 yd <sup>3</sup> ) | 5              | 1290 mm (50.8")     | 1410 mm (55.5")  |
|                                       | ◆ 1.27 m <sup>3</sup> (1.66 yd <sup>3</sup> ) | 1.10 m <sup>3</sup> (1.44 yd <sup>3</sup> ) | 5              | 1210 mm (47.6")     | -                |
|                                       | ◆ 1.46 m <sup>3</sup> (1.91 yd <sup>3</sup> ) | 1.28 m <sup>3</sup> (1.67 yd <sup>3</sup> ) | 5              | 1460 mm (57.5")     | -                |
|                                       | ⊙ 1.16 m <sup>3</sup> (1.52 yd <sup>3</sup> ) | 1.00 m <sup>3</sup> (1.05 yd <sup>3</sup> ) | 5              | 1340 mm (52.8")     | -                |
|                                       | ⊙ 1.49 m <sup>3</sup> (1.95 yd <sup>3</sup> ) | 1.28 m <sup>3</sup> (1.67 yd <sup>3</sup> ) | 5              | 1620 mm (63.8")     | -                |
|                                       | 1.50 m <sup>3</sup> (1.96 yd <sup>3</sup> )   | 1.30 m <sup>3</sup> (1.70 yd <sup>3</sup> ) | 6              | 1490 mm (58.7")     | 1610 mm (63.4")  |
|                                       | 1.73 m <sup>3</sup> (2.26 yd <sup>3</sup> )   | 1.50 m <sup>3</sup> (1.96 yd <sup>3</sup> ) | 6              | 1700 mm (66.9")     | 1820 mm (71.7")  |
|                                       | 1.85 m <sup>3</sup> (2.42 yd <sup>3</sup> )   | 1.60 m <sup>3</sup> (2.09 yd <sup>3</sup> ) | 5              | 1800 mm (70.9")     | 1920 mm (75.6")  |
| LONG REACH                            | 0.52 m <sup>3</sup> (0.68 yd <sup>3</sup> )   | 0.46 m <sup>3</sup> (0.60 yd <sup>3</sup> ) | 5              | 935 mm (36.8")      | 1035 mm (40.8")  |

◆ : Heavy duty bucket

⊙ : Rock bucket

## 9. RECOMMENDED OILS

Use only oils listed below. Do not mix different brand oil.

Please use HYUNDAI genuine oil and grease.

| 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) |
| Engine oil pan               | Engine oil                                                  | 27.3 (7.2)               | ★SAE 5W-40                                     |              |             |             |           |            |            |            |
|                              |                                                             |                          | SAE 30                                         |              |             |             |           |            |            |            |
|                              |                                                             |                          | SAE 10W                                        |              |             |             |           |            |            |            |
|                              |                                                             |                          | SAE 10W-30                                     |              |             |             |           |            |            |            |
|                              |                                                             |                          | SAE 15W-40                                     |              |             |             |           |            |            |            |
| Swing drive                  | Gear oil                                                    | 6.0<br>(1.6)             | ★SAE 75W-90                                    |              |             |             |           |            |            |            |
| Final drive                  |                                                             | 8.0×2<br>(2.1×2)         | SAE 80W-90                                     |              |             |             |           |            |            |            |
| Hydraulic tank               | Hydraulic oil                                               | Tank;<br>190 (50)        | ★ISO VG 15                                     |              |             |             |           |            |            |            |
|                              |                                                             |                          | ISO VG 32                                      |              |             |             |           |            |            |            |
|                              |                                                             | System;<br>330 (87)      | ISO VG 46                                      |              |             |             |           |            |            |            |
|                              |                                                             |                          | ISO VG 68                                      |              |             |             |           |            |            |            |
| Fuel tank                    | Diesel fuel                                                 | 500 (132)                | ★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<br>antifreeze<br>and soft<br>water★ <sup>1</sup> | 35 (9.3)                 | 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

★ : Arctic machine

★<sup>1</sup> : Soft water

City water or distilled water