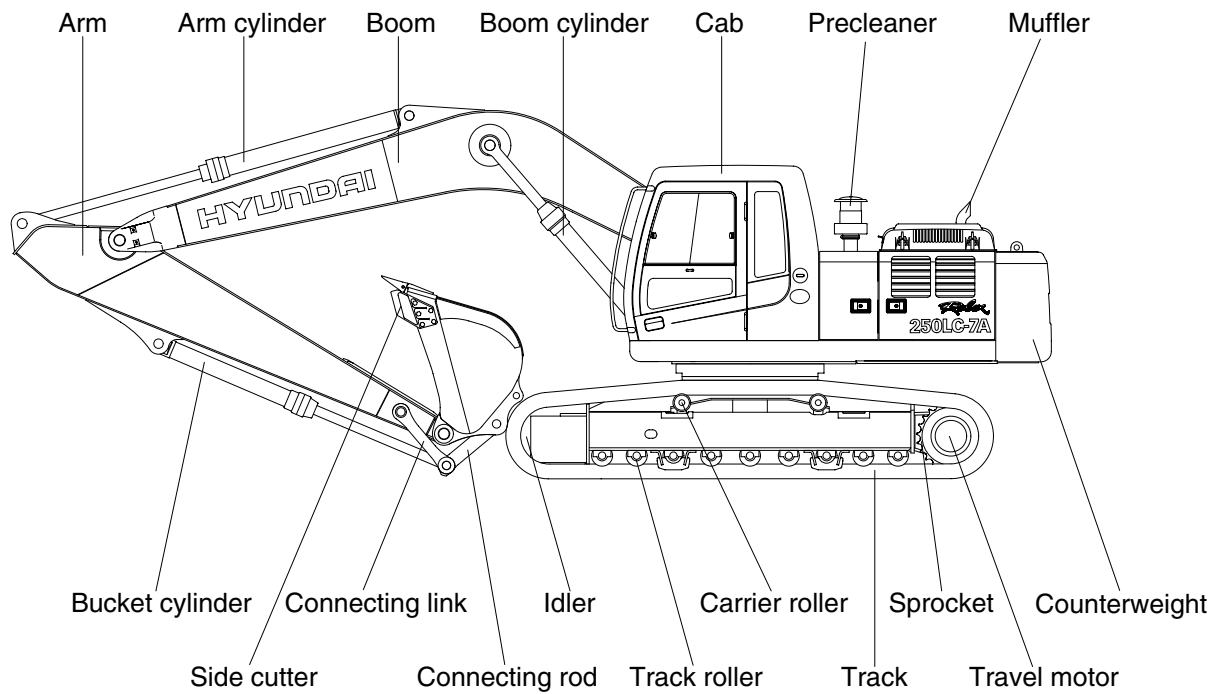
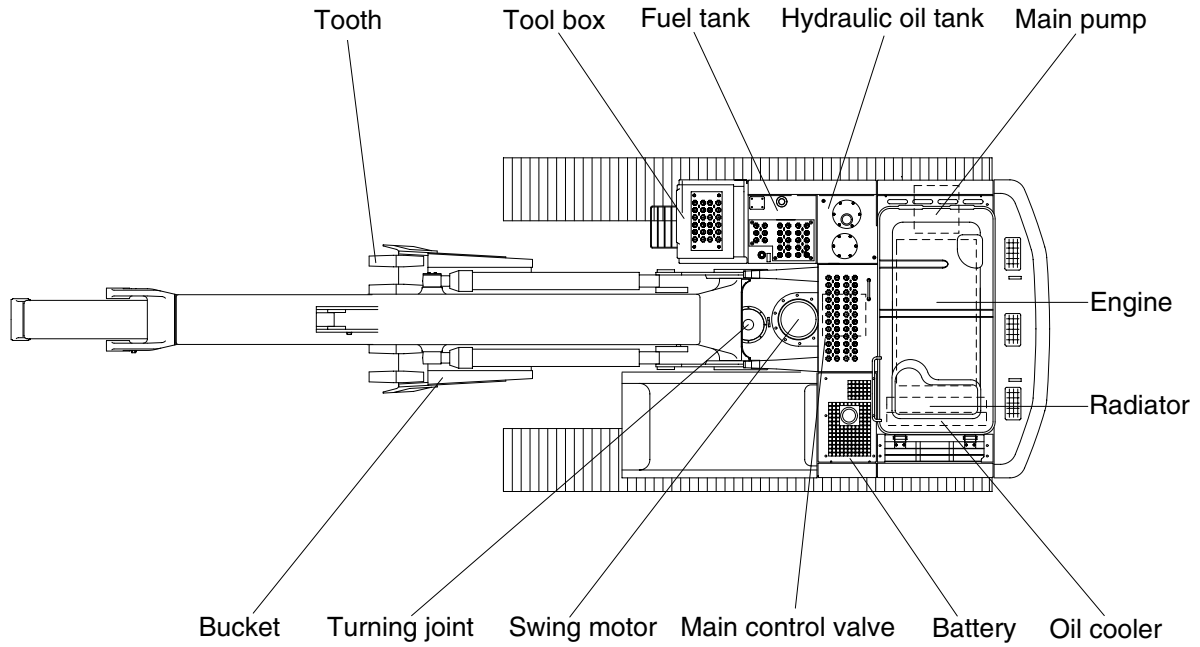


GROUP 2 SPECIFICATIONS

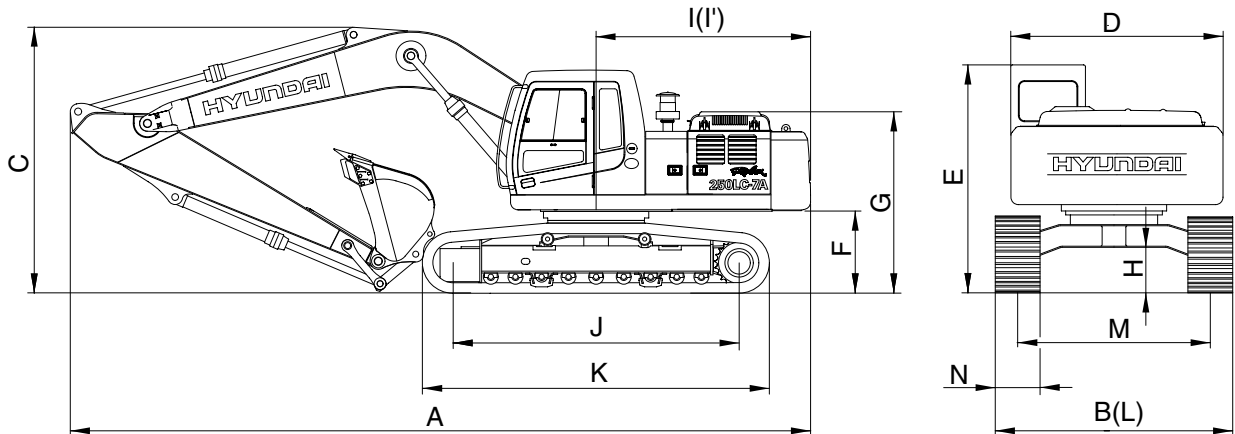
1. MAJOR COMPONENT



2507A2SP00

2. SPECIFICATIONS

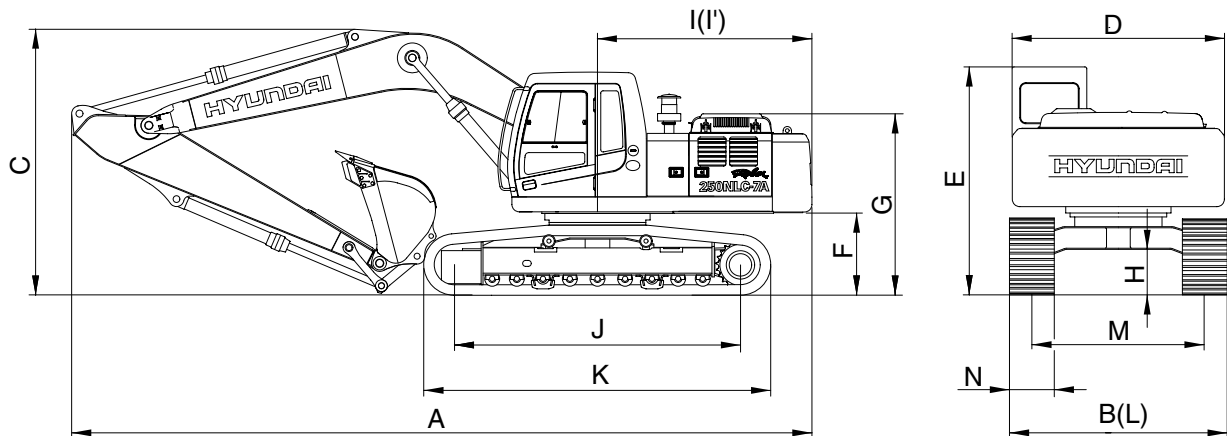
1) R250LC-7A



2507A2SP01

| Description | | Unit | Specification |
|---------------------------------------|----|-----------------------------------|---------------|
| Operating weight | | kg(lb) | 25200(55600) |
| Bucket capacity(SAE heaped), standard | | m ³ (yd ³) | 1.08(1.41) |
| Overall length | A | mm(ft-in) | 9920(32' 7") |
| Overall width, with 600mm shoe | B | | 3180(10' 5") |
| Overall height | C | | 3220(10' 7") |
| Superstructure width | D | | 2840(9' 4") |
| Overall height of cab | E | | 2990(9' 10") |
| Ground clearance of counterweight | F | | 1115(3' 8") |
| Engine cover height | G | | 2427(7' 12") |
| Minimum ground clearance | H | | 480(1' 7") |
| Rear-end distance | I | | 2870(9' 5") |
| Rear-end swing radius | I' | | 2965(9' 9") |
| Distance between tumblers | J | | 3830(12' 7") |
| Undercarriage length | K | | 4640(15' 3") |
| Undercarriage width | L | | 3180(10' 5") |
| Track gauge | M | | 2580(8' 6") |
| Track shoe width, standard | N | | 600(24") |
| Travel speed(Low/high) | | | km/hr(mph) |
| Swing speed | | rpm | 12 |
| Gradeability | | Degree(%) | 35(70) |
| Ground pressure(600mm shoe) | | kgf/cm ² (psi) | 0.51(7.25) |

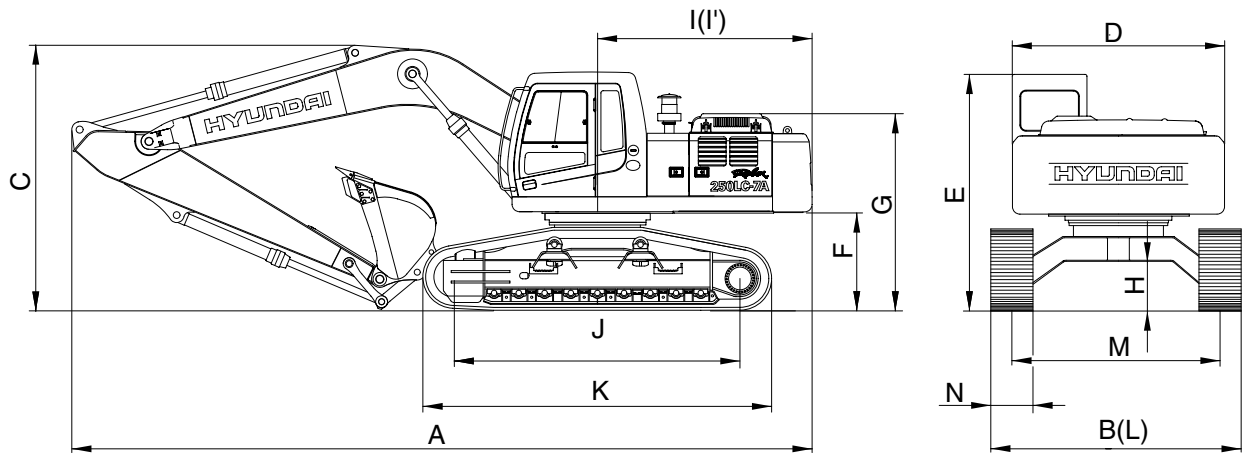
2) R250NLC-7A



2507A2SP02

| Description | | Unit | Specification |
|---------------------------------------|----|-----------------------------------|------------------|
| Operating weight | | kg(lb) | 25100(55300) |
| Bucket capacity(SAE heaped), standard | | m ³ (yd ³) | 1.08(1.41) |
| Overall length | A | mm(ft-in) | 9920(32' 7") |
| Overall width, with 600mm shoe | B | | 2980(9' 9") |
| Overall height | C | | 3220(10' 7") |
| Superstructure width | D | | 2840(9' 4") |
| Overall height of cab | E | | 2990(9' 10") |
| Ground clearance of counterweight | F | | 1115(3' 8") |
| Engine cover height | G | | 2427(7' 12") |
| Minimum ground clearance | H | | 480(1' 7") |
| Rear-end distance | I | | 2870(9' 5") |
| Rear-end swing radius | I' | | 2965(9' 9") |
| Distance between tumblers | J | | 3830(12' 7") |
| Undercarriage length | K | | 4640(15' 3") |
| Undercarriage width | L | | 2980(9' 9") |
| Track gauge | M | | 2380(7' 10") |
| Track shoe width, standard | N | | 600(24") |
| Travel speed(Low/high) | | km/hr(mph) | 3.5/5.5(2.2/3.4) |
| Swing speed | | rpm | 12 |
| Gradeability | | Degree(%) | 35(70) |
| Ground pressure(600mm shoe) | | kgf/cm ² (psi) | 0.51(7.25) |

3) R250LC-7A HIGH WALKER

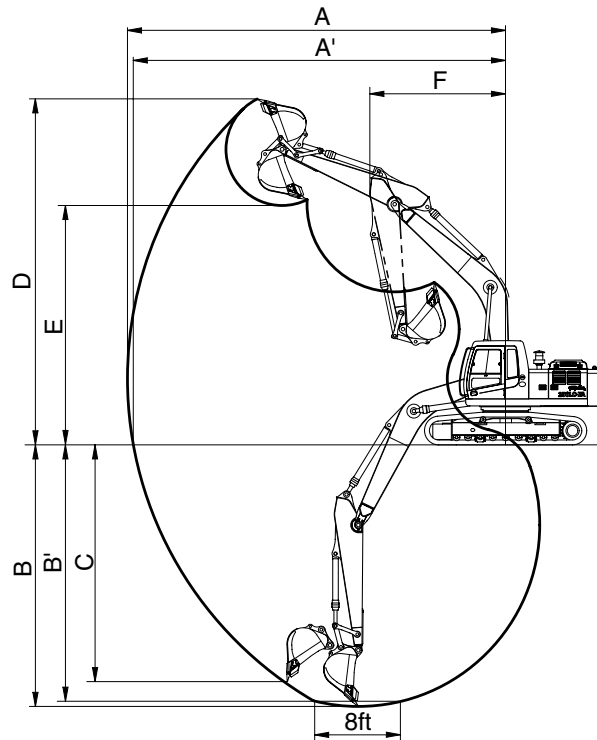


2507A2SP03

| Description | | Unit | Specification |
|---------------------------------------|----|-----------------------------------|------------------|
| Operating weight | | kg(lb) | 27450(60520) |
| Bucket capacity(SAE heaped), standard | | m ³ (yd ³) | 1.08(1.41) |
| Overall length | A | mm(ft-in) | 9760(32' 0") |
| Overall width, with 600mm shoe | B | | 3390(11' 1") |
| Overall height | C | | 3240(10' 8") |
| Superstructure width | D | | 2840(9' 4") |
| Overall height of cab | E | | 3345(11' 0") |
| Ground clearance of counterweight | F | | 1470(4' 10") |
| Engine cover height | G | | 2782(9' 2") |
| Minimum ground clearance | H | | 765(2' 6") |
| Rear-end distance | I | | 2965(9' 9") |
| Rear-end swing radius | I' | | 2870(9' 5") |
| Distance between tumblers | J | | 4030(13' 3") |
| Undercarriage length | K | | 4940(16' 2") |
| Undercarriage width | L | | 3390(11' 1") |
| Track gauge | M | | 2790(9' 2") |
| Track shoe width, standard | N | | 600(24") |
| Travel speed(Low/high) | | km/hr(mph) | 3.5/5.5(2.2/3.4) |
| Swing speed | | rpm | 12 |
| Gradeability | | Degree(%) | 35(70) |
| Ground pressure(600mm shoe) | | kgf/cm ² (psi) | 0.53(7.54) |

3. WORKING RANGE

1) R250LC-7A, R250NLC-7A [5.85m(19' 2") BOOM]



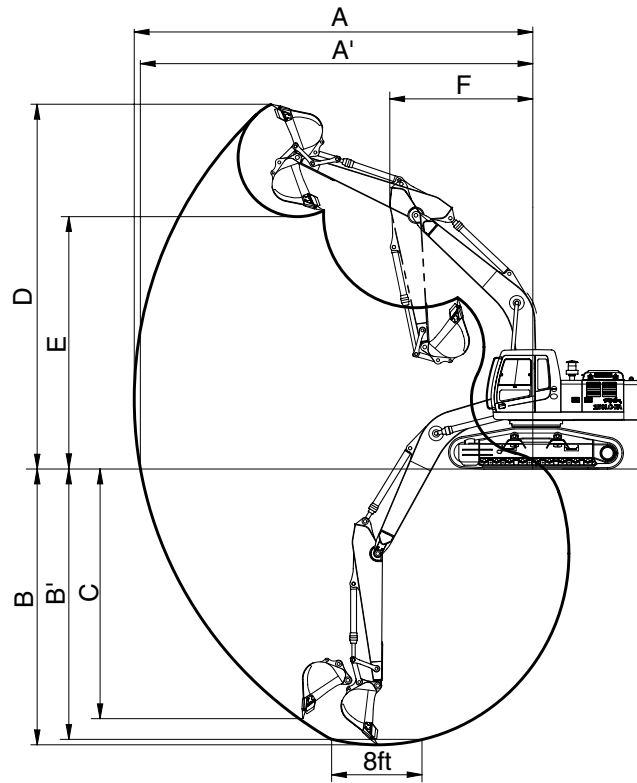
2507A2SP04

| Description | | 2.10m(6' 11") Arm | 2.50m(8' 2") Arm | ※3.05m(10' 0") Arm | 3.60m(11' 10") Arm |
|---------------------------------|-----|-------------------|------------------|--------------------|--------------------|
| Max digging reach | A | 9550mm(31' 4") | 9870mm(32' 5") | 10360mm(34' 0") | 10870mm(35' 8") |
| Max digging reach on ground | A' | 9360mm(30' 9") | 9680mm(31' 9") | 10190mm(33' 5") | 10700mm(35' 1") |
| Max digging depth | B | 6050mm(19'10") | 6450mm(21' 2") | 7000mm(23' 0") | 7550mm(24' 9") |
| Max digging depth (8ft level) | B' | 5840mm(19' 2") | 6260mm(20' 6") | 6830mm(22' 5") | 7400mm(24' 3") |
| Max vertical wall digging depth | C | 5480mm(18' 0") | 5640mm(18' 6") | 6150mm(20' 2") | 6830mm(22' 5") |
| Max digging height | D | 9450mm(31' 0") | 9460mm(31' 0") | 9670mm(31' 9") | 9920mm(32' 7") |
| Max dumping height | E | 6360mm(20'10") | 6420mm(21' 1") | 6630mm(21' 9") | 6860mm(22' 6") |
| Min swing radius | F | 4420mm(14' 6") | 4200mm(13' 9") | 3980mm(13' 1") | 3900mm(12'10") |
| Bucket digging force | SAE | 157[171]kN | 157[171]kN | 157[171]kN | 157[171]kN |
| | | 16000[17450]kgf | 16000[17450]kgf | 16000[17450]kgf | 16000[17450]kgf |
| | | 35270[38480]lbf | 35270[38480]lbf | 35270[38480]lbf | 35270[38480]lbf |
| | ISO | 179[195]kN | 179[195]kN | 179[195]kN | 179[195]kN |
| | | 18200[19850]kgf | 18200[19850]kgf | 18200[19850]kgf | 18200[19850]kgf |
| | | 40120[43770]lbf | 40120[43770]lbf | 40120[43770]lbf | 40120[43770]lbf |
| Arm crowd force | SAE | 135[148]kN | 130[142]kN | 115[125]kN | 117[127]kN |
| | | 13800[15050]kgf | 13300[14510]kgf | 11700[12760]kgf | 11900[12980]kgf |
| | | 30420[33190]lbf | 29320[31990]lbf | 25790[28130]lbf | 26230[28610]lbf |
| | ISO | 140[153]kN | 134[147]kN | 119[129]kN | 121[132]kN |
| | | 14300[15600]kgf | 13700[14950]kgf | 12100[13200]kgf | 12300[13420]kgf |
| | | 31530[34400]lbf | 30200[32950]lbf | 26680[29110]lbf | 27120[29590]lbf |

[] : Power boost

※ : STD

2) R250LC-7A HIGH WALKER [5.85m(19' 2") BOOM]



2507A2SP05

| Description | | 2.10m(6' 11") Arm | 2.50m(8' 2") Arm | ※3.05m(10' 0") Arm | 3.60m(11' 10") Arm |
|---------------------------------|-----|-------------------|------------------|--------------------|--------------------|
| Max digging reach | A | 9550mm(31' 4") | 9870mm(32' 5") | 10360mm(34' 0") | 10870mm(35' 8") |
| Max digging reach on ground | A' | 9280mm(30' 5") | 9160mm(31' 6") | 10110mm(33' 2") | 10360mm(34' 11") |
| Max digging depth | B | 5680mm(18' 8") | 6080mm(19' 11") | 6630mm(21' 9") | 7180mm(23' 7") |
| Max digging depth (8ft level) | B' | 5470mm(17' 11") | 5890mm(19' 4") | 6460mm(21' 2") | 7030mm(23' 1") |
| Max vertical wall digging depth | C | 5120mm(16' 10") | 5300mm(17' 5") | 5790mm(19' 0") | 6470mm(21' 3") |
| Max digging height | D | 9820mm(32' 3") | 9840mm(32' 3") | 10040mm(32' 11") | 10280mm(33' 9") |
| Max dumping height | E | 6730mm(22' 1") | 6790mm(22' 3") | 7000mm(23' 0") | 7220mm(23' 8") |
| Min swing radius | F | 4140mm(13' 7") | 4030mm(13' 3") | 3940mm(12' 11") | 3900mm(12' 10") |
| Bucket digging force | SAE | 157[171]kN | 157[171]kN | 157[171]kN | 157[171]kN |
| | | 16000[17450]kgf | 16000[17450]kgf | 16000[17450]kgf | 16000[17450]kgf |
| | | 35270[38480]lbf | 35270[38480]lbf | 35270[38480]lbf | 35270[38480]lbf |
| | ISO | 179[195]kN | 179[195]kN | 179[195]kN | 179[195]kN |
| | | 18200[19850]kgf | 18200[19850]kgf | 18200[19850]kgf | 18200[19850]kgf |
| | | 40120[43770]lbf | 40120[43770]lbf | 40120[43770]lbf | 40120[43770]lbf |
| Arm crowd force | SAE | 135[148]kN | 130[142]kN | 115[125]kN | 117[127]kN |
| | | 13800[15050]kgf | 13300[14510]kgf | 11700[12760]kgf | 11900[12980]kgf |
| | | 30420[33190]lbf | 29320[31990]lbf | 25790[28130]lbf | 26230[28610]lbf |
| | ISO | 140[153]kN | 134[147]kN | 119[129]kN | 121[132]kN |
| | | 14300[15600]kgf | 13700[14950]kgf | 12100[13200]kgf | 12300[13420]kgf |
| | | 31530[34400]lbf | 30200[32950]lbf | 26680[29110]lbf | 27120[29590]lbf |

[] : Power boost

※ : STD

4. WEIGHT

1) R250LC-7A, R250NLC-7A

| Item | R250LC-7A | | R250NLC-7A | |
|--|-----------|-------|------------|-------|
| | kg | lb | kg | lb |
| Upperstructure assembly | 10330 | 22770 | ← | ← |
| Main frame weld assembly | 2210 | 4870 | ← | ← |
| Engine assembly | 560 | 1240 | ← | ← |
| Main pump assembly | 120 | 260 | ← | ← |
| Main control valve assembly | 200 | 440 | ← | ← |
| Swing motor assembly | 345 | 760 | ← | ← |
| Hydraulic oil tank assembly | 190 | 420 | ← | ← |
| Fuel tank assembly | 180 | 400 | ← | ← |
| Counterweight | 4600 | 10140 | ← | ← |
| Cab assembly | 310 | 680 | ← | ← |
| Lower chassis assembly | 9910 | 21850 | 9810 | 21630 |
| Track frame weld assembly | 3070 | 6770 | 2980 | 6570 |
| Swing bearing | 360 | 800 | ← | ← |
| Travel motor assembly | 310 | 680 | ← | ← |
| Turning joint | 50 | 110 | ← | ← |
| Track recoil spring and idler | 300 | 660 | ← | ← |
| Idler | 170 | 370 | ← | ← |
| Carrier roller | 20 | 45 | ← | ← |
| Track roller | 50 | 110 | ← | ← |
| Track-chain assembly (600mm standard triple grouser shoe) | 1500 | 3310 | ← | ← |
| Front attachment assembly(5.85m boom, 3.05m arm,1.08m ³ SAE heaped bucket) | 4960 | 10930 | ← | ← |
| 5.85m boom assembly | 1970 | 4340 | ← | ← |
| 3.05m arm assembly | 1000 | 2200 | ← | ← |
| 1.08m ³ SAE heaped bucket | 910 | 2010 | ← | ← |
| Boom cylinder assembly | 240 | 530 | ← | ← |
| Arm cylinder assembly | 340 | 750 | ← | ← |
| Bucket cylinder assembly | 220 | 490 | ← | ← |
| Bucket control rod assembly | 110 | 240 | ← | ← |

2) R250LC-7A HIGH WALKER











| Item | R250LC-7A HIGH WALKER | |
|---|-----------------------|-------|
| | kg | lb |
| Upperstructure assembly | 10330 | 22770 |
| Main frame weld assembly | 2210 | 4870 |
| Engine assembly | 560 | 1240 |
| Main pump assembly | 120 | 260 |
| Main control valve assembly | 200 | 440 |
| Swing motor assembly | 345 | 760 |
| Hydraulic oil tank assembly | 190 | 420 |
| Fuel tank assembly | 180 | 400 |
| Counterweight | 4600 | 10140 |
| Cab assembly | 310 | 680 |
| Lower chassis assembly | 12160 | 26800 |
| Track frame weld assembly | 5280 | 11640 |
| Swing bearing | 360 | 800 |
| Travel motor assembly | 310 | 680 |
| Turning joint | 50 | 110 |
| Track recoil spring and idler | 300 | 660 |
| Idler | 170 | 370 |
| Carrier roller | 20 | 45 |
| Track roller | 50 | 110 |
| Track-chain assembly (600mm standard triple grouser shoe) | 1500 | 3310 |
| Front attachment assembly(5.85m boom, 3.05m arm, 1.08m ³ SAE heaped bucket) | 4960 | 10930 |
| 5.85m boom assembly | 1970 | 4340 |
| 3.05m arm assembly | 1000 | 2200 |
| 1.08m ³ SAE heaped bucket | 910 | 2010 |
| Boom cylinder assembly | 240 | 530 |
| Arm cylinder assembly | 340 | 750 |
| Bucket cylinder assembly | 220 | 490 |
| Bucket control rod assembly | 110 | 240 |

5. LIFTING CAPACITIES

1) R250LC-7A













(1) 5.85m(19' 2") boom, 2.10m(6' 11") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.

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













| Load point height | | Load radius | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|---|---|----------------|
| | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  | m(ft) |
| 6.0m (20ft) | kg lb | | | | | *5900 *13010 | 5840 12870 | | | 5220 11510 | 3200 7050 | 8.32 (27.3) |
| 4.5m (15ft) | kg lb | | | *7950 *17530 | *7950 *17530 | *6630 *14620 | 5570 12280 | 6060 13360 | 3690 8140 | 4520 9960 | 2710 5970 | 8.91 (29.2) |
| 3.0m (10ft) | kg lb | | | *10440 *23020 | 8200 18080 | *7750 *17090 | 5190 11440 | 5900 13010 | 3550 7830 | 4210 9280 | 2480 5470 | 9.17 (30.1) |
| 1.5m (5ft) | kg lb | | | *12520 *27600 | 7520 16580 | 8250 18190 | 4850 10690 | 5720 12610 | 3380 7450 | 4170 9190 | 2430 5360 | 9.14 (30.0) |
| Ground Line | kg lb | | | 13110 28900 | 7250 15980 | 8010 17660 | 4640 10230 | 5600 12350 | 3270 7210 | 4410 9720 | 2580 5690 | 8.80 (28.9) |
| -1.5m (-5ft) | kg lb | *15590 *34370 | 15160 33420 | 13090 28860 | 7230 15940 | 7940 17500 | 4580 10100 | | | 5060 11160 | 2990 6590 | 8.13 (26.7) |
| -3.0m (-10ft) | kg lb | *17410 *38380 | 15470 34110 | *12310 *27140 | 7390 16290 | 8050 17750 | 4680 10320 | | | *6420 *14150 | 3980 8770 | 6.98 (22.9) |
| -4.5m (-15ft) | kg lb | *13610 *30000 | *13610 *30000 | *9640 *21250 | 7790 17170 | | | | | | | |

- 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) 5.85m(19' 2") boom, 2.50m(8' 2") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.

| Load point height | | Load radius | | | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|--|---|---|---|----------------|
| | | 1.5m(5ft) | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  |  |  | m(ft) |
| 6.0m (20ft) | kg lb | | | | | | | | | | | 4900 10800 | 3000 6610 | 8.67 (28.4) |
| 4.5m (15ft) | kg lb | | | | | | | *6190 *13650 | 5670 12500 | *5740 *12650 | 3770 8310 | 4280 9440 | 2550 5620 | 9.23 (30.3) |
| 3.0m (10ft) | kg lb | | | | | *9730 *21450 | 8410 18540 | *7350 *16200 | 5280 11640 | 5950 13120 | 3590 7910 | 3990 8800 | 2340 5160 | 9.48 (31.1) |
| 1.5m (5ft) | kg lb | | | | | *12000 *26460 | 7650 16870 | 8310 18320 | 4910 10820 | 5750 12680 | 3410 7520 | 3950 8710 | 2290 5050 | 9.45 (31.0) |
| Ground Line | kg lb | | | | | 13150 28990 | 7280 16050 | 8030 17700 | 4660 10270 | 5600 12350 | 3270 7210 | 4150 9150 | 2410 5310 | 9.13 (30.0) |
| -1.5m (-5ft) | kg lb | | | *15230 *33580 | 14960 32980 | 13050 28770 | 7190 15850 | 7910 17440 | 4560 10050 | 5550 12240 | 3220 7100 | 4690 10340 | 2750 6060 | 8.49 (27.9) |
| -3.0m (-10ft) | kg lb | *16500 *36380 | *16500 *36380 | *18440 *40650 | 15250 33620 | *12700 *28000 | 7300 16090 | 7970 17570 | 4610 10160 | | | 5940 13100 | 3550 7830 | 7.41 (24.3) |
| -4.5m (-15ft) | kg lb | | | *15140 *33380 | *15140 *33380 | *10620 *23410 | 7620 16800 | | | | | | | |

(3) 5.85m(19' 2") boom, 3.05m(10' 0") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.

| Load point height | | Load radius | | | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|--|---|---|---|----------------|
| | | 1.5m(5ft) | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  |  |  | m(ft) |
| 6.0m (20ft) | kg lb | | | | | | | | | *4100 *9040 | 3950 8710 | 4400 9700 | 2660 5860 | 9.22 (30.2) |
| 4.5m (15ft) | kg lb | | | | | | | *5460 *12040 | *5460 *12040 | *5160 *11380 | 3830 8440 | 3880 8550 | 2280 5030 | 9.74 (32.0) |
| 3.0m (10ft) | kg lb | | | *13880 *30600 | *13880 *30600 | *8560 *18870 | *8560 *18870 | *6670 *14700 | 5360 11820 | *5780 *12740 | 3620 7980 | 3630 8000 | 2090 4610 | 9.98 (32.7) |
| 1.5m (5ft) | kg lb | | | *9530 *21010 | *9530 *21010 | *11070 *24410 | 7800 17200 | *7970 *17570 | 4950 10910 | 5750 12680 | 3400 7500 | 3580 7890 | 2040 4500 | 9.95 (32.6) |
| Ground Line | kg lb | | | *10660 *23500 | *10660 *23500 | *12720 *28040 | 7280 16050 | 8010 17660 | 4640 10230 | 5560 12260 | 3230 7120 | 3730 8220 | 2130 4700 | 9.65 (31.7) |
| -1.5m (-5ft) | kg lb | *10020 *22090 | *10020 *22090 | *13980 *30820 | *13980 *30820 | 12930 28510 | 7090 15630 | 7830 17260 | 4480 9880 | 5460 12040 | 3140 6920 | 4150 9150 | 2390 5270 | 9.05 (29.7) |
| -3.0m (-10ft) | kg lb | *13650 *30090 | *13650 *30090 | *18590 *40980 | 14860 32760 | 12960 28570 | 7110 15670 | 7820 17240 | 4470 9850 | | | 5080 11200 | 2980 6570 | 8.06 (26.4) |
| -4.5m (-15ft) | kg lb | *17980 *39640 | *17980 *39640 | *16880 *37210 | 15340 33820 | *11570 *25510 | 7340 16180 | 8020 17680 | 4640 10230 | | | *6060 *13360 | 4480 9880 | 6.48 (21.3) |

(4) 5.85m(19' 2") boom, 3.60m(11' 10") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.











| Load point height | | Load radius | | | | | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| | | 1.5m(5ft) | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | 9.0m(30ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0m (20ft) | kg lb | | | | | | | | | *4210 *9280 | 4040 8910 | | | 3960 8730 | 2360 5200 | 9.77 (32.1) |
| 4.5m (15ft) | kg lb | | | | | | | | | *4620 *10190 | 3890 8580 | *2800 *6170 | 2650 5840 | 3530 7780 | 2040 4500 | 10.27 (33.7) |
| 3.0m (10ft) | kg lb | | | | | | | *6010 *13250 | 5490 12100 | *5300 *11680 | 3670 8090 | *3990 *8800 | 2550 5620 | 3310 7300 | 1870 4120 | 10.49 (34.4) |
| 1.5m (5ft) | kg lb | | | *12710 *28020 | *12170 *28020 | *10140 *22350 | 8040 17730 | *7400 *16310 | 5040 11110 | 5790 12760 | 3430 7560 | 4210 9280 | 2430 5360 | 3260 7190 | 1820 4010 | 10.46 (34.3) |
| Ground Line | kg lb | | | *11110 *24490 | *11110 *24490 | *12150 *26790 | 7390 16290 | 8070 17790 | 4680 10320 | 5570 12280 | 3230 7120 | 4090 9020 | 2320 5110 | 3380 7450 | 1890 4170 | 10.18 (33.4) |
| -1.5m (-5ft) | kg lb | *9080 *20020 | *9080 *20020 | *13310 *29340 | *13310 *29340 | 12950 28550 | 7090 15630 | 7830 17260 | 4470 9850 | 5430 11970 | 3100 6830 | | | 3710 8180 | 2100 4630 | 9.62 (31.6) |
| -3.0m (-10ft) | kg lb | *12220 *26940 | *12220 *26940 | *16960 *37390 | 14680 32360 | 12880 28400 | 7040 15520 | 7750 17090 | 4400 9700 | 5390 11880 | 3070 6770 | | | 4420 9740 | 2550 5620 | 8.71 (28.6) |
| -4.5m (-15ft) | kg lb | *15960 *35190 | *15960 *35190 | *18260 *40260 | 15050 33180 | *12250 *27010 | 7180 15830 | 7850 17310 | 4490 9900 | | | | | *5900 *13010 | 3580 7890 | 7.30 (24.0) |

2) R250NLC-7A

(1) 5.85m(19' 2") boom, 2.10m(6' 11") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.

•  : Rating over-front

•  : Rating over-side or 360 degree

| Load point height | | Load radius | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|---|---|----------------|
| | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  | m(ft) |
| 6.0m (20ft) | kg lb | | | | | *5900 *13010 | 5290 11660 | | | 5200 11460 | 2870 6330 | 8.32 (27.3) |
| 4.5m (15ft) | kg lb | | | *7950 *17530 | *7950 *17530 | *6630 *14620 | 5030 11090 | 6040 13320 | 3310 7300 | 4500 9920 | 2410 5310 | 8.91 (29.2) |
| 3.0m (10ft) | kg lb | | | *10440 *23020 | 7330 16160 | *7750 *17090 | 4660 10270 | 5870 12940 | 3170 6990 | 4190 9240 | 2190 4830 | 9.17 (30.1) |
| 1.5m (5ft) | kg lb | | | *12520 *27600 | 6670 14700 | 8210 18100 | 4330 9550 | 5690 12540 | 3010 6640 | 4150 9150 | 2150 4740 | 9.14 (30.0) |
| Ground Line | kg lb | | | 13050 28770 | 6410 14130 | 7970 17570 | 4120 9080 | 5570 12280 | 2900 6390 | 4390 9680 | 2280 5030 | 8.80 (28.9) |
| -1.5m (-5ft) | kg lb | *15590 *34370 | 13120 28920 | 13030 28730 | 6390 14090 | 7900 17420 | 4060 8950 | | | 5040 11110 | 2660 5860 | 8.13 (26.7) |
| -3.0m (-10ft) | kg lb | *17410 *38380 | 13420 29590 | *12310 *27140 | 6540 14420 | 8020 17680 | 4160 9170 | | | *6420 *14150 | 3560 7850 | 6.98 (22.9) |
| -4.5m (-15ft) | kg lb | *13610 *30000 | *13610 *30000 | *9640 *21250 | 6930 15280 | | | | | | | |













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) 5.85m(19' 2") boom, 2.50m(8' 2") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.

| Load point height | | Load radius | | | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|--|---|---|---|----------------|
| | | 1.5m(5ft) | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  |  |  | m(ft) |
| 6.0m (20ft) | kg lb | | | | | | | | | | | 4880 10760 | 2680 5910 | 8.67 (28.4) |
| 4.5m (15ft) | kg lb | | | | | | *6190 *13650 | 5130 11310 | *5740 *12650 | 3380 7450 | 4260 9390 | 2270 5000 | 9.23 (30.3) | |
| 3.0m (10ft) | kg lb | | | | | *9730 *21450 | 7530 16600 | *7350 *16200 | 4750 10470 | 5920 13050 | 3210 7080 | 3970 8750 | 2070 4560 | 9.48 (31.1) |
| 1.5m (5ft) | kg lb | | | | | *12000 *26460 | 6790 14970 | 8270 18230 | 4380 9660 | 5720 12610 | 3030 6680 | 3930 8660 | 2020 4450 | 9.45 (31.0) |
| Ground Line | kg lb | | | | | 13090 28860 | 6440 14200 | 7990 17610 | 4140 9130 | 5570 12280 | 2900 6390 | 4130 9110 | 2120 4670 | 9.13 (30.0) |
| -1.5m (-5ft) | kg lb | | | *15230 *33580 | 12930 28510 | 12990 28640 | 6350 14000 | 7880 17370 | 4040 8910 | 5520 12170 | 2850 6280 | 4670 10300 | 2440 5380 | 8.49 (27.9) |
| -3.0m (-10ft) | kg lb | *16500 *36380 | *16500 *36380 | *18440 *40650 | 13210 29120 | *12700 *28000 | 6450 14220 | 7940 17500 | 4090 9020 | | | 5910 13030 | 3170 6990 | 7.41 (24.3) |
| -4.5m (-15ft) | kg lb | | | *15140 *33380 | 13750 30310 | *10620 *23410 | 6760 14900 | | | | | | | |

(3) 5.85m(19' 2") boom, 3.05m(10' 0") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.

| Load point height | | Load radius | | | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|--|---|---|---|----------------|
| | | 1.5m(5ft) | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  |  |  | m(ft) |
| 6.0m (20ft) | kg lb | | | | | | | | | *4100 *9040 | 3570 7870 | 4380 9660 | 2370 5220 | 9.22 (30.2) |
| 4.5m (15ft) | kg lb | | | | | | | *5460 *12040 | 5230 11530 | *5160 *11380 | 3440 7580 | 3860 8510 | 2020 4450 | 9.74 (32.0) |
| 3.0m (10ft) | kg lb | | | *13880 *30600 | *13880 *30600 | *8560 *18870 | 7780 17150 | *6670 *14700 | 4830 10650 | *5780 *12740 | 3240 7140 | 3610 7960 | 1840 4060 | 9.98 (32.7) |
| 1.5m (5ft) | kg lb | | | *9530 *21010 | *9530 *21010 | *11070 *24410 | 6940 15300 | *7970 *17570 | 4420 9740 | 5720 12610 | 3030 6680 | 3560 7850 | 1790 3950 | 9.95 (32.6) |
| Ground Line | kg lb | | | *10660 *23500 | *10660 *23500 | *12720 *28040 | 6430 14180 | 7980 17590 | 4120 9080 | 5530 12190 | 2850 6280 | 3710 8180 | 1860 4100 | 9.65 (31.7) |
| -1.5m (-5ft) | kg lb | *10020 *22090 | *10020 *22090 | *13980 *30820 | 12620 27820 | 12870 28370 | 6250 13780 | 7790 17170 | 3960 8730 | 5430 11970 | 2760 6080 | 4130 9110 | 2100 4630 | 9.05 (29.7) |
| -3.0m (-10ft) | kg lb | *13650 *30090 | *13650 *30090 | *18590 *40980 | 12840 28310 | 12900 28440 | 6270 13820 | 7780 17150 | 3950 8710 | | | 5060 11160 | 2640 5820 | 8.06 (26.4) |
| -4.5m (-15ft) | kg lb | *17980 *39640 | *17980 *39640 | *16880 *37210 | 13290 29300 | *11570 *25510 | 6490 14310 | 7980 17590 | 4120 9080 | | | *6060 *13360 | 4010 8840 | 6.48 (21.3) |

(4) 5.85m(19' 2") boom, 3.60m(11' 10") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.











| Load point height | | Load radius | | | | | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| | | 1.5m(5ft) | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | 9.0m(30ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.0m (20ft) | kg lb | | | | | | | | | *4210 *9280 | 3660 8070 | | | 3940 8690 | 2090 4610 | 9.77 (32.1) |
| 4.5m (15ft) | kg lb | | | | | | | | | *4620 *10190 | 3510 7740 | *2800 *6170 | 2350 5180 | 3510 7740 | 1790 3950 | 10.27 (33.7) |
| 3.0m (10ft) | kg lb | | | | | | | *6010 *13250 | 4940 10890 | *5300 *11680 | 3290 7250 | *3990 *8800 | 2250 4960 | 3290 7250 | 1630 3590 | 10.49 (34.4) |
| 1.5m (5ft) | kg lb | | | *12710 *28020 | *12170 *28020 | *10140 *22350 | 7160 15790 | *7400 *16310 | 4510 9940 | 5760 12700 | 3060 6750 | 4180 9220 | 2130 4700 | 3240 7140 | 1580 3480 | 10.46 (34.3) |
| Ground Line | kg lb | | | *11110 *24490 | *11110 *24490 | *12150 *26790 | 6540 14420 | 8030 17700 | 4160 9170 | 5540 12210 | 2860 6310 | 4070 8970 | 2030 4480 | 3360 7410 | 1640 3620 | 10.18 (33.4) |
| -1.5m (-5ft) | kg lb | *9080 *20020 | *9080 *20020 | *13310 *29340 | 12560 27690 | 12890 28420 | 6250 13780 | 7790 17170 | 3950 8710 | 5400 11900 | 2730 6020 | | | 3690 8140 | 1830 4030 | 9.62 (31.6) |
| -3.0m (-10ft) | kg lb | *12220 *26940 | *12220 *26940 | *16960 *37390 | 12660 27910 | 12820 28260 | 6190 13650 | 7710 17000 | 3880 8550 | 5370 11840 | 2700 5950 | | | 4390 9680 | 2240 4940 | 8.71 (28.6) |
| -4.5m (-15ft) | kg lb | *15960 *35190 | *15960 *35190 | *18260 *40260 | 13010 28680 | *12250 *27010 | 6330 13960 | 7820 17240 | 3970 8750 | | | | | *5900 *13010 | 3190 7030 | 7.30 (24.0) |

3) R250LC-7A HIGH WALKER

(1) 5.85m(19' 2") boom, 2.10m(6' 11") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.













•  : Rating over-front

•  : Rating over-side or 360 degree













| Load point height | | Load radius | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|---|---|----------------|
| | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  | m(ft) |
| 6.0m (20ft) | kg lb | | | | | *6020 *13270 | *6020 *13270 | | | *5390 *11880 | 3780 8330 | 8.49 (27.9) |
| 4.5m (15ft) | kg lb | | | *8510 *18760 | *8510 *18760 | *6870 *15150 | 6680 14730 | *6200 *13670 | 4530 9990 | 5310 11710 | 3310 7300 | 9.00 (29.5) |
| 3.0m (10ft) | kg lb | | | *11020 *24290 | 9880 21780 | *8020 *17680 | 6290 13870 | *6710 *14790 | 4370 9630 | 5040 11110 | 3110 6860 | 9.19 (30.2) |
| 1.5m (5ft) | kg lb | | | *12840 *28310 | 9280 20460 | *9060 *19970 | 5970 13160 | 6840 15080 | 4210 9280 | 5080 11200 | 3120 6880 | 9.09 (29.8) |
| Ground Line | kg lb | | | *13480 *29720 | 9080 20020 | 9620 21210 | 5790 12760 | 6740 14860 | 4120 9080 | 5450 12020 | 3360 7410 | 8.68 (28.5) |
| -1.5m (-5ft) | kg lb | *17660 *38930 | *17660 *38930 | *13180 *29060 | 9100 20060 | 9590 21140 | 5760 12700 | | | 6380 14070 | 3950 8710 | 7.91 (26.0) |
| -3.0m (-10ft) | kg lb | *16740 *36910 | *16740 *36910 | *11890 *26210 | 9310 20530 | *8600 *18960 | 5920 13050 | | | *6310 *13910 | 5420 11950 | 6.61 (21.7) |

- 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) 5.85m(19' 2") boom, 2.50m(8' 2") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.

| Load point height | | Load radius | | | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|--|---|---|---|----------------|
| | | 1.5m(5ft) | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  |  |  | m(ft) |
| 6.0m (20ft) | kg lb | | | | | | | *5540 *12210 | *5540 *12210 | | | *5050 *11130 | 3560 7850 | 8.83 (29.0) |
| 4.5m (15ft) | kg lb | | | | | *7770 *17130 | *7770 *17130 | *6440 *14200 | *6440 *14200 | *5850 10140 | 4600 | 5030 11090 | 3140 6920 | 9.32 (30.6) |
| 3.0m (10ft) | kg lb | | | | | *10330 22770 | 10080 22220 | *7650 *16870 | 6380 14070 | *6430 *14180 | 4410 9720 | 4790 10560 | 2950 6500 | 9.50 (31.2) |
| 1.5m (5ft) | kg lb | | | | | *12400 *27340 | 9390 20700 | *8780 *19360 | 6020 13270 | 6860 15120 | 4230 9330 | 4810 10600 | 2940 6480 | 9.40 (30.8) |
| Ground Line | kg lb | | | | | *13360 *29450 | 9090 20040 | *9520 *20990 | 5800 12790 | 6730 14840 | 4110 9060 | 5120 11290 | 3140 6920 | 9.01 (29.6) |
| -1.5m (-5ft) | kg lb | *12220 *26940 | *12220 *26940 | *16770 *36970 | *16770 *36970 | *13340 *29410 | 9050 19950 | 9560 21080 | 5730 12630 | | | 5900 13010 | 3640 8020 | 8.28 (27.2) |
| -3.0m (-10ft) | kg lb | *17990 *39660 | *17990 *39660 | *17840 *39330 | *17840 *39330 | *12370 *27270 | 9210 20300 | *9020 *19890 | 5830 12850 | | | *6400 *14110 | 4810 10660 | 7.07 (23.2) |
| -4.5m (-15ft) | kg lb | | | *13960 *30780 | *13960 *30780 | *9750 *21500 | 9610 21190 | | | | | | | |

(3) 5.85m(19' 2") boom, 3.05m(10' 0") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.

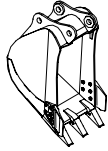
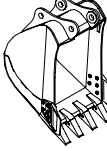
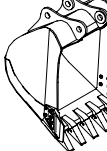
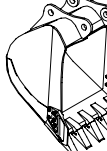
| Load point height | | Load radius | | | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|--|---|---|---|----------------|
| | | 1.5m(5ft) | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  |  |  | m(ft) |
| 6.0m (20ft) | kg lb | | | | | | | | | *4570 *10080 | *4570 *10080 | *4600 *10140 | 3190 7030 | 9.37 (30.7) |
| 4.5m (15ft) | kg lb | | | | | | | *5720 *12610 | *5720 *12610 | *5290 *11660 | 4650 10250 | 4590 10120 | 2830 6240 | 9.82 (32.2) |
| 3.0m (10ft) | kg lb | | | *15600 *34390 | *15600 *34390 | *9200 *20280 | *9200 *20280 | *6980 *15390 | 6450 14220 | *5940 *13100 | 4430 9770 | 4370 9630 | 2660 5860 | 9.99 (32.8) |
| 1.5m (5ft) | kg lb | | | *9380 *20680 | *9380 *20680 | *11560 *25490 | 9510 20970 | *8240 *18170 | 6050 13340 | *6640 *14640 | 4220 9300 | 4380 9660 | 2650 5840 | 9.90 (32.5) |
| Ground Line | kg lb | *7400 *16310 | *7400 *16310 | *11330 *24980 | *11330 *24980 | *12950 *28550 | 9060 19970 | *9180 *20240 | 5760 12700 | 6680 14730 | 4060 8950 | 4620 10190 | 2800 6170 | 9.53 (31.3) |
| -1.5m (-5ft) | kg lb | *10840 *23900 | *10840 *23900 | *14940 *32940 | *14940 *32940 | *13340 *29410 | 8920 19670 | 9460 20860 | 5640 12430 | 6610 14570 | 3990 8800 | 5220 11510 | 3180 7010 | 8.85 (29.0) |
| -3.0m (-10ft) | kg lb | *14600 *32190 | *14600 *32190 | *19040 *41980 | *19040 *41980 | *12790 *28200 | 9000 19840 | *9310 *20530 | 5660 12480 | | | *6120 *13490 | 4040 8910 | 7.76 (25.5) |
| -4.5m (-15ft) | kg lb | | | *15960 *35190 | *15960 *35190 | *10980 *24210 | 9290 20480 | | | | | | | |

(4) 5.85m(19' 2") boom, 3.60m(11' 10") arm equipped with 1.08m³(SAE heaped) bucket and 600mm (24") triple grouser shoe and 4600kg(10140lb) counterweight.

| Load point height | | Load radius | | | | | | | | | | | | At max. reach | | |
|-------------------|----------|---|---|---|---|---|---|---|---|---|--|---|---|---|---|-----------------|
| | | 1.5m(5ft) | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | 9.0m(30ft) | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m(ft) |
| 6.0m (20ft) | kg lb | | | | | | | | | *4280 *9440 | *4280 *9440 | | | *4210 *9280 | 2870 6330 | 9.92 (32.5) |
| 4.5m (15ft) | kg lb | | | | | | | | | *4760 *10490 | 4720 10410 | *3150 *6940 | *3150 *6940 | 4190 9240 | 2560 5640 | 10.34 (33.9) |
| 3.0m (10ft) | kg lb | | | *12780 *28180 | *12780 *28180 | *8090 *17840 | *8090 *17840 | *6340 *13980 | *6340 *13980 | *5480 *12080 | 4480 9880 | *4200 *9260 | 3200 7050 | 4000 8820 | 2410 5310 | 10.50 (34.4) |
| 1.5m (5ft) | kg lb | | | *11520 *25400 | *11520 *25400 | *10710 *23610 | 9730 21450 | *7720 *17020 | 6130 13510 | *6260 *13800 | 4240 9350 | *4810 *10600 | 3070 6770 | 4000 8820 | 2390 5270 | 10.42 (34.2) |
| Ground Line | kg lb | *6860 *15120 | *6860 *15120 | *11460 *25260 | *11460 *25260 | *12470 *27490 | 9150 20170 | *8820 *19440 | 5800 12790 | 6680 14730 | 4050 8930 | *4500 *9920 | 2980 6570 | 4200 9260 | 2510 5530 | 10.07 (33.0) |
| -1.5m (-5ft) | kg lb | *9790 *21580 | *9790 *21580 | *14050 *30970 | *14050 *30970 | *13240 *29190 | 8910 19640 | 9440 20810 | 5610 12370 | 6560 14460 | 3940 8690 | | | 4670 10300 | 2810 6190 | 9.44 (31.0) |
| -3.0m (-10ft) | kg lb | *13030 *28730 | *13030 *28730 | *18050 *39790 | *18050 *39790 | *13080 *28840 | 8900 19620 | 9400 20720 | 5580 12300 | 6560 14460 | 3940 8690 | | | 5650 12460 | 3450 7610 | 8.43 (27.7) |
| -4.5m (-15ft) | kg lb | *16990 *37460 | *16990 *37460 | *17530 *38650 | *17530 *38650 | *11820 *26060 | 9100 20060 | *8500 *18740 | 5720 12610 | | | | | *5890 *12990 | 5000 11020 | 6.86 (22.5) |


6. BUCKET SELECTION GUIDE


1) GENERAL BUCKET


| | | | |
|---|---|---|---|
|  |  |  |  |
| 0.60m ³ SAE 0.79m ³ SAE heaped bucket | 1.03m ³ SAE heaped bucket | ※ 1.08m ³ SAE heaped bucket | 1.50m ³ SAE heaped bucket |

| Capacity | | Width | | Weight | Recommendation | | | |
|--|--|------------------------|---------------------|--------------------|----------------------|---------------------|-----------------------|-----------------------|
| SAE heaped | CECE heaped | Without side cutter | With side cutter | | 5.85m (19' 2") boom | | | |
| | | | | | 2.1m arm (6' 11") | 2.5m arm (8' 2") | 3.05m arm (10' 0") | 3.6m arm (11' 10") |
| 0.60m ³ (0.78yd ³) | 0.55m ³ (0.72yd ³) | 760mm (29.9") | 880mm (34.6") | 720kg (1590lb) | | | | |
| 0.79m ³ (1.03yd ³) | 0.70m ³ (0.92yd ³) | 890mm (35.0") | 1010mm (39.8") | 790kg (1740lb) | | | | |
| 1.03m ³ (1.35yd ³) | 0.90m ³ (1.18yd ³) | 1090mm (42.9") | 1210mm (47.6") | 890kg (1960lb) | | | | |
| ※ 1.08m ³ (1.41yd ³) | 0.95m ³ (1.24yd ³) | 1130mm (44.5") | 1250mm (49.2") | 910kg (2010lb) | | | | |
| 1.50m ³ (1.96yd ³) | 1.30m ³ (1.70yd ³) | 1490mm (58.7") | 1610mm (63.4") | 1080kg (2380lb) | | | | |

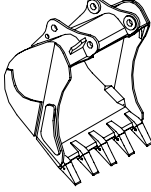
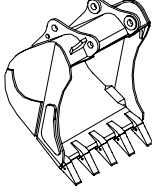
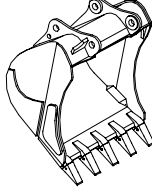
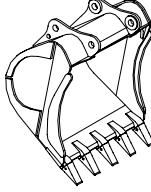
※ : Standard bucket

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

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

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

2) ROCK AND HEAVY DUTY BUCKET

| | | | |
|---|---|--|---|
|  |  |  |  |
| <p>◆ 1.07m³ SAE ◆ 1.15m³ SAE heaped bucket</p> | <p>◆ 1.27m³ SAE heaped bucket</p> | <p>◆ 1.46m³ SAE heaped bucket</p> | <p>◎ 1.16m³ SAE heaped bucket</p> |

| Capacity | | Width | | Weight | Recommendation | | | |
|--|--|------------------------|---------------------|--------------------|----------------------|---------------------|-----------------------|-----------------------|
| SAE heaped | CECE heaped | Without side cutter | With side cutter | | 5.85m (19' 2") boom | | | |
| | | | | | 2.1m arm (6' 11") | 2.5m arm (8' 2") | 3.05m arm (10' 0") | 3.6m arm (11' 10") |
| ◆ 1.07m ³ (1.40yd ³) | 0.95m ³ (1.24yd ³) | 1150mm (45.3") | - | 1120kg (2470lb) | | | | |
| ◆ 1.15m ³ (1.50yd ³) | 1.00m ³ (1.31yd ³) | 1210mm (47.6") | - | 1160kg (2560lb) | | | | |
| ◆ 1.27m ³ (1.66yd ³) | 1.10m ³ (1.44yd ³) | 1310mm (51.6") | - | 1240kg (2730lb) | | | | |
| ◆ 1.46m ³ (1.91yd ³) | 1.28m ³ (1.67yd ³) | 1460mm (57.5") | - | 1320kg (2910lb) | | | | |
| ◎ 1.16m ³ (1.52yd ³) | 1.00m ³ (1.31yd ³) | 1340mm (52.8") | - | 1280kg (2820lb) | | | | |

◆ : Heavy duty bucket

◎ : Rock bucket

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

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

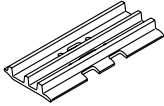
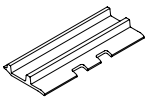
Applicable for materials with density of 1100kgf/m³ (1850lbf/yd³) or less

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 | | | | Double grouser |
|-----------------------------|------------------|---------------------------|--|--------------|--------------|--------------|---|
| | | |  | | | |  |
| R250LC-7A | Shoe width | mm(in) | 600(24) | 700(28) | 800(32) | 900(36) | 710(28) |
| | Operating weight | kg(lb) | 25200(55600) | 25500(26200) | 25800(56900) | 26100(57500) | - |
| | Ground pressure | kgf/cm ² (psi) | 0.51(7.25) | 0.44(6.26) | 0.39(5.55) | 0.35(4.98) | - |
| | Overall width | mm(ft-in) | 3180(10' 5") | 3280(10' 9") | 3380(11' 1") | 3480(11' 5") | - |
| R250NLC-7A | Shoe width | mm(in) | 600(24) | - | - | - | - |
| | Operating weight | kg(lb) | 25100(55300) | - | - | - | - |
| | Ground pressure | kgf/cm ² (psi) | 0.51(7.25) | - | - | - | - |
| | Overall width | mm(ft-in) | 2980(9' 9") | - | - | - | - |
| R250LC-7A HIGH WALKER | Shoe width | mm(in) | 600(24) | 700(28) | 800(32) | - | 710(28) |
| | Operating weight | kg(lb) | 27450(60520) | 28020(61770) | 28400(62610) | - | 28620(63100) |
| | Ground pressure | kgf/cm ² (psi) | 0.53(7.54) | 0.46(6.54) | 0.41(5.83) | - | 0.46(6.54) |
| | Overall width | mm(ft-in) | 3180(10' 5") | 3280(10' 9") | 3380(11' 1") | - | 3290(10' 10") |

3) NUMBER OF ROLLERS AND SHOES ON EACH SIDE

| Item | Quantity | |
|-----------------|-----------------------|-----------------------|
| | R250LC-7A, R250NLC-7A | R250LC-7A HIGH WALKER |
| Carrier rollers | 2EA | 2EA |
| Track rollers | 9EA | 9EA |
| Track shoes | 51EA | 48EA |

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★1 | Option | B |
| 800mm triple grouser | Option | C |
| 900mm triple grouser | Option | C |

★1 : R250LC-7A HIGH WALKER ONLY

※ **Table 2**

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

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

| Item | Specification |
|-------------------------------------|---|
| Model | Cummins QSB6.7 |
| Type | 4-cycle turbocharged, charger air coded 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 | 107 × 124mm(4.2" × 4.9") |
| Piston displacement | 6700cc(409cu in) |
| Compression ratio | 17.2 : 1 |
| Rated gross horse power(SAE J1995) | 176Hp at 1900rpm(131kW at 1900rpm) |
| Maximum torque | 81.4kgf · m(589lbf · ft) at 1400rpm |
| Engine oil quantity | 24 l (4.9U.S. gal) |
| Dry weight | 556kg(1115lb) |
| High idling speed | 1950+ 50rpm |
| Low idling speed | 850 ± 100rpm |
| Rated fuel consumption | 165.9g/Hp · hr at 1900rpm |
| Starting motor | Nippon denso(24V-4.5kW) |
| Alternator | Delco Remy 24V-50A |
| Battery | 2 × 12V × 100Ah |

2) MAIN PUMP

| Item | Specification |
|------------------|--|
| Type | Variable displacement tandem axis piston pumps |
| Capacity | 2 × 117cc/rev |
| Maximum pressure | 330kgf/cm ² (4690psi)[360kgf/cm ² (5120psi)] |
| Rated oil flow | 2 × 222 l /min (58.7U.S. gpm/ 48.8U.K. gpm) |
| Rated speed | 1900rpm |

[]: Power boost

3) GEAR PUMP

| Item | Specification |
|------------------|---|
| Type | Fixed displacement gear pump single stage |
| Capacity | 15cc/rev |
| Maximum pressure | 35kgf/cm ² (500psi) |
| Rated oil flow | 28.5 l /min(7.45U.S. gpm/6.27U.K. gpm) |

4) MAIN CONTROL VALVE

| Item | Specification |
|--------------------------------|--|
| Type | 9 spools |
| Operating method | Hydraulic pilot system |
| Main relief valve pressure | 330kgf/cm ² (4690psi)[360kgf/cm ² (5120psi)] |
| Overload relief valve pressure | 390kgf/cm ² (5550psi) |

[]: Power boost

5) SWING MOTOR

| Item | Specification |
|------------------------|--|
| Type | Axial piston motor |
| Capacity | 148.5cc/rev |
| Relief pressure | 280kgf/cm ² (3980psi) |
| Braking system | Automatic, spring applied hydraulic released |
| Braking torque | 70kgf · m(506lb · ft) |
| Brake release pressure | 35kgf/cm ² (500psi) |
| Reduction gear type | 2 - stage planetary |

6) TRAVEL MOTOR

| Item | Specification |
|------------------------|--|
| Type | Axial piston motor |
| Relief pressure | 330kgf/cm ² (4690psi) |
| Capacity(max / min) | 102.5/168.4cc/rev |
| Reduction gear type | Planetary differential |
| Braking system | Automatic, spring applied hydraulic released |
| Brake release pressure | 8.0kgf/cm ² (114psi) |
| Braking torque | 49.3kgf · m(357lb · ft) |

7) REMOTE CONTROL VALVE

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

8) CYLINDER

| Item | | Specification |
|-----------------|-----------------------------|------------------------|
| Boom cylinder | Bore dia × Rod dia × Stroke | ∅ 140 × ∅ 95 × 1345mm |
| | Cushion | Extend only |
| Arm cylinder | Bore dia × Rod dia × Stroke | ∅ 150 × ∅ 100 × 1620mm |
| | Cushion | Extend and retract |
| Bucket cylinder | Bore dia × Rod dia × Stroke | ∅ 135 × ∅ 90 × 1185mm |
| | 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 |
|-----------------------------|----------|-------------|-----------------------------------|---------------|-----------------|
| R250LC-7A | Standard | 600mm(24") | 0.51kgf/cm ² (7.25psi) | 51 | 3180mm(10' 5") |
| | Option | 700mm(28") | 0.44kgf/cm ² (6.26psi) | 51 | 3280mm(10' 9") |
| | | 800mm(32") | 0.39kgf/cm ² (5.55psi) | 51 | 3380mm(11' 1") |
| | | 900mm(36") | 0.35kgf/cm ² (4.98psi) | 51 | 3480mm(11' 5") |
| R250NLC-7A | Standard | 600mm(24") | 0.51kgf/cm ² (7.25psi) | 51 | 2980mm(9' 9") |
| R250LC-7A HIGH WALKER | Standard | 600mm(24") | 0.53kgf/cm ² (7.54psi) | 48 | 3180mm(10' 5") |
| | Option | 700mm(28") | 0.46kgf/cm ² (6.54psi) | 48 | 3280mm(10' 9") |
| | | 800mm(32") | 0.41kgf/cm ² (5.83psi) | 48 | 3380mm(11' 1") |
| | | ★710mm(28") | 0.46kgf/cm ² (6.54psi) | 48 | 3290mm(10' 10") |

★: Double grouser

10) BUCKET

| Item | | Capacity | | Tooth quantity | Width | |
|--|----------|--|---|----------------|---------------------|------------------|
| | | SAE heaped | CECE heaped | | Without side cutter | With side cutter |
| R250LC-7A R250NLC-7A R250LC-7A H/WALKER | Standard | 1.08m ³ (1.41yd ³) | 0.95m ³ (1.24yd ³) | 5 | 1130mm(44.5") | 1250mm(49.2") |
| | Option | 0.60m ³ (0.78yd ³) | 0.55m ³ (0.72yd ³) | 3 | 760mm(29.9") | 880mm(34.6") |
| | | 0.79m ³ (1.03yd ³) | 0.70m ³ (0.92yd ³) | 3 | 890mm(35.0") | 1010mm(39.8") |
| | | 1.03m ³ (1.35yd ³) | 0.90m ³ (1.18yd ³) | 4 | 1090mm(42.9") | 1210mm(47.6") |
| | | ◆1.07m ³ (1.40yd ³) | 0.95m ³ (1.24yd ³) | 5 | 1150mm(45.3") | - |
| | | ◆1.15m ³ (1.50yd ³) | 1.00m ³ (1.31yd ³) | 5 | 1210mm(47.6") | - |
| | | ◆1.27m ³ (1.66yd ³) | 1.10m ³ (1.44yd ³) | 5 | 1310mm(51.6") | - |
| | | ◆1.46m ³ (1.91yd ³) | 1.28m ³ (1.67yd ³) | 5 | 1460mm(57.5") | - |
| | | ◎1.16m ³ (1.52yd ³) | 1.00m ³ (1.31yd ³) | 5 | 1340mm(52.8") | - |
| | | 1.50m ³ (1.96yd ³) | 1.30m ³ (1.70yd ³) | 6 | 1490mm(58.7") | 1610mm(63.4") |

◆ : Heavy duty bucket

◎ : Rock bucket(Esco type)

9. RECOMMENDED OILS

Use only oils listed below or equivalent.

Do not mix different brand oil.

| Service point | Kind of fluid | Capacity l (U.S. gal) | Ambient temperature °C (°F) | | | | | | |
|------------------------------|--|--|-------------------------------------|-------------|----------------|------------|------------|------------|-------------|
| | | | -20 (-4) | -10 (14) | 0 (32) | 10 (50) | 20 (68) | 30 (86) | 40 (104) |
| Engine oil pan | Engine oil | 25(6.6) | SAE 30 | | | | | | |
| | | | SAE 10W | | | | | | |
| | | | SAE 10W-30 | | | | | | |
| | | | | | | SAE 15W-40 | | | |
| Swing drive | Gear oil | 6.0(1.6) | SAE 85W-140 | | | | | | |
| Final drive | | 3.3 × 2 (0.9 × 2) | | | | | | | |
| Hydraulic tank | Hydraulic oil | Tank; 190(50.2) System; 300(79.3) | ISO VG 32 | | | | | | |
| | | | | | | ISO VG 46 | | | |
| | | | | | ISO VG 68 | | | | |
| Fuel tank | Diesel fuel | 340(89.8) | ASTM D975 NO.1 | | | | | | |
| | | | | | ASTM D975 NO.2 | | | | |
| Fitting (Grease nipple) | Grease | As required | NLGI NO.1 | | | | | | |
| | | | | | NLGI NO.2 | | | | |
| Radiator (Reservoir tank) | Mixture of antifreeze and water 50 : 50 | 35(9.2) | Ethylene glycol base permanent type | | | | | | |

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