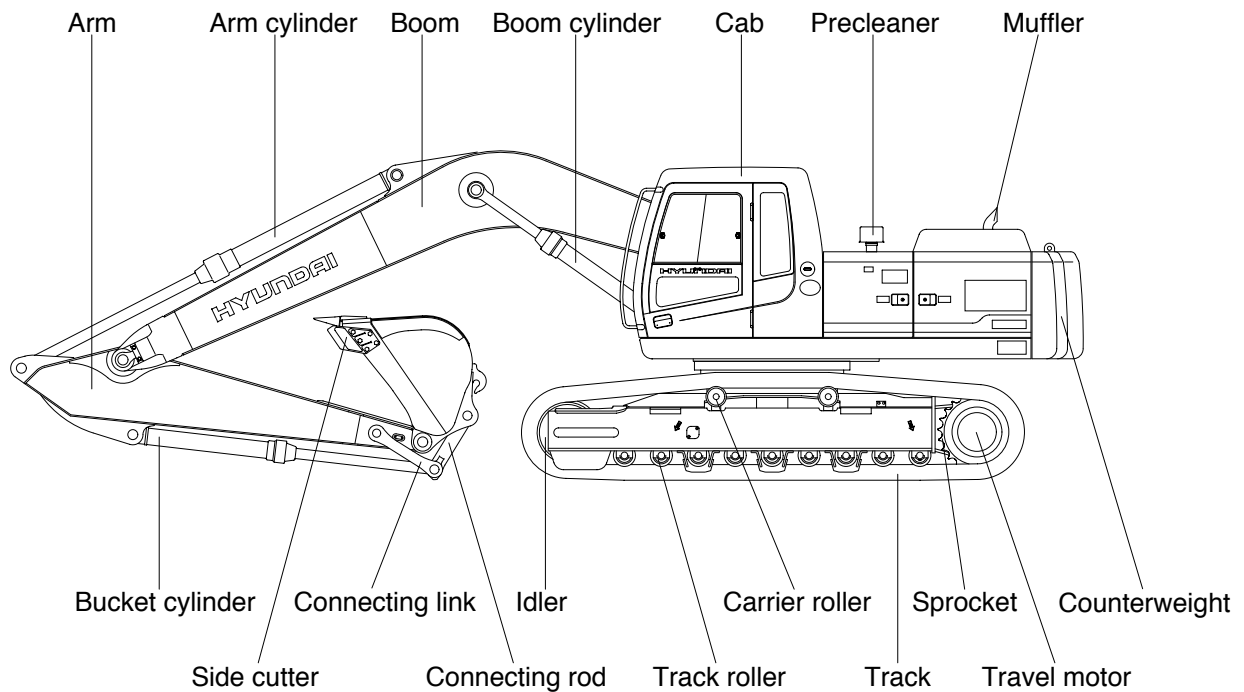
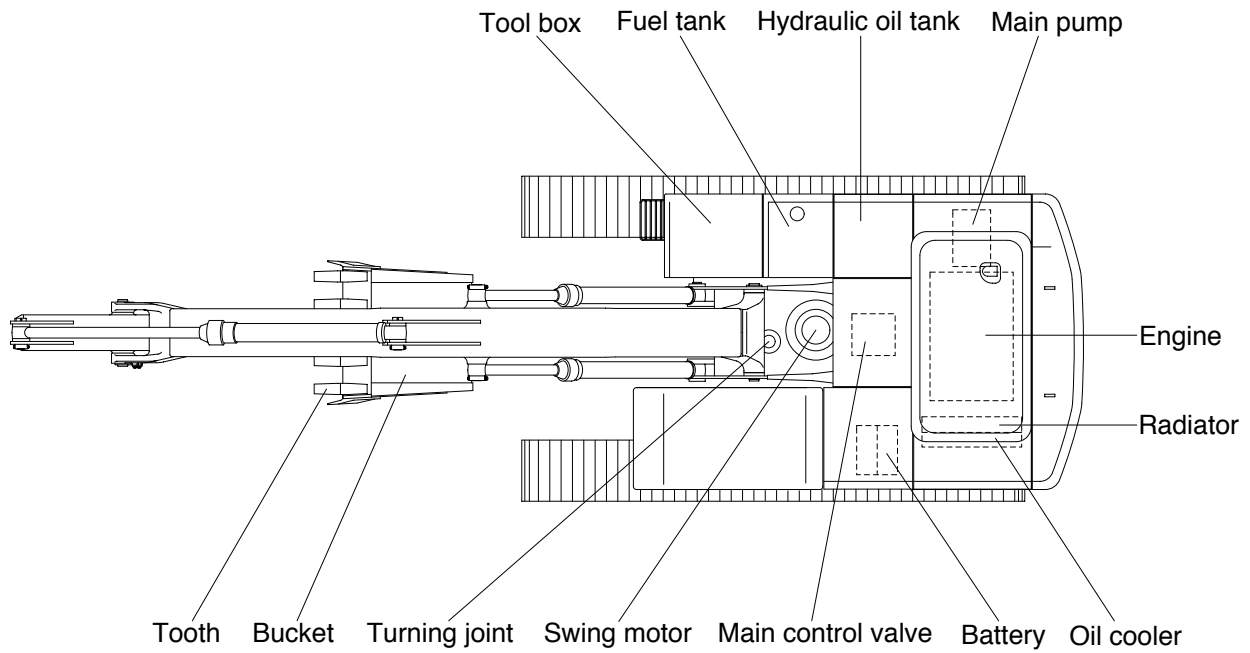


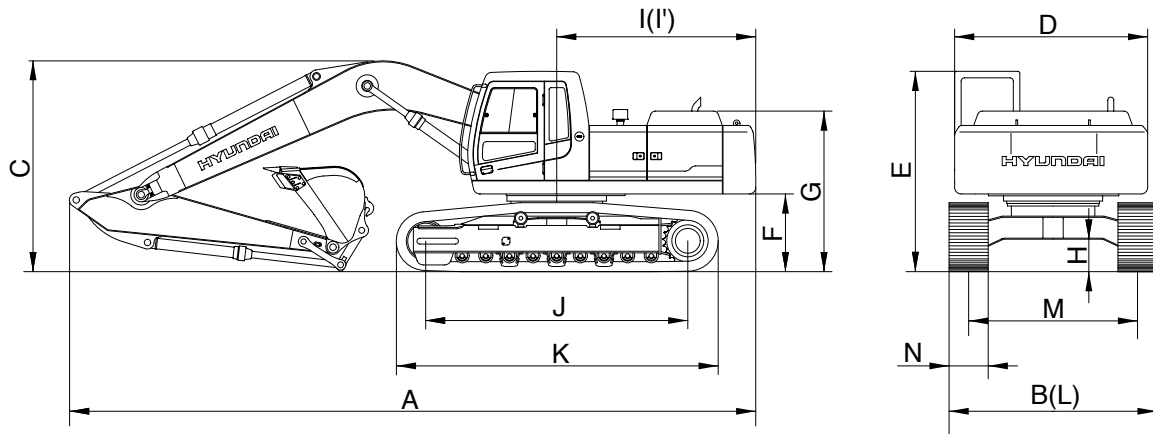
GROUP 2 SPECIFICATIONS

1. MAJOR COMPONENT



36072SP00

2. SPECIFICATIONS



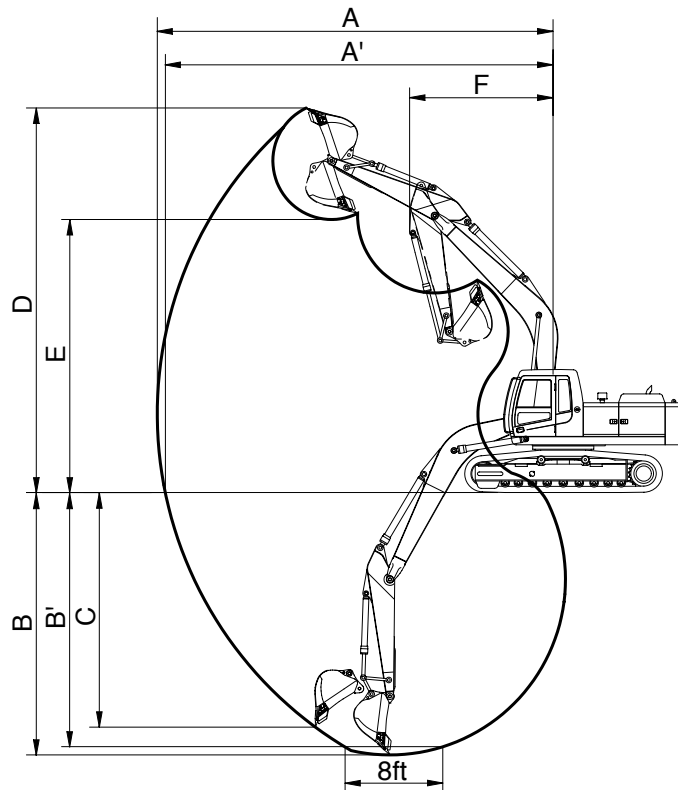
36072SP01

| Description | | Unit | Specification |
|--|----|-----------------------------------|------------------|
| Operating weight | | kg(lb) | 36100(79590) |
| Bucket capacity(PCSA heaped), standard | | m ³ (yd ³) | 1.62(2.12) |
| Overall length | A | mm(ft-in) | 11120(36' 6") |
| Overall width, with 600mm shoe | B | | 3440(11' 3") |
| Overall height | C | | 3440(11' 3") |
| Superstructure width | D | | 2980(9' 9") |
| Overall height of cab | E | | 3175(10' 5") |
| Ground clearance of counterweight | F | | 1290(4' 3") |
| Engine cover height | G | | 3190(10' 6") |
| Minimum ground clearance | H | | 550(1' 10") |
| Rear-end distance | I | | 3350(11' 1") |
| Rear-end swing radius | I' | | 3415(11' 2") |
| Distance between tumblers | J | | 4340(14' 3") |
| Undercarriage length | K | | 5280(17' 4") |
| Undercarriage width | L | | 3340(11' 0") |
| Track gauge | M | | 2740(9' 0") |
| Track shoe width, standard | N | | 600(24") |
| Travel speed(Low/high) | | km/hr(mph) | 3.2/4.5(2.0/2.8) |
| Swing speed | | rpm | 9.1 |
| Gradeability | | Degree(%) | 35(70) |
| Ground pressure(600mm shoe) | | kgf/cm ² (psi) | 0.64(9.10) |

3. WORKING RANGE

1) 6.25m(20' 6") BOOM

- 6.5m(21' 4") BOOM



36072SP04

| Description | | 2.5m(8' 2") Arm | 3.2m(10' 6") Arm | 3.9m(12' 10") Arm | 4.3m(14' 1") Arm |
|---------------------------------|-----|------------------|------------------|-------------------|------------------|
| Max digging reach | A | 10720mm(35' 2") | 11250mm (36'11") | 11870mm(38'11") | 12380mm(40' 7") |
| Max digging reach on ground | A' | 10490mm(34' 5") | 11000mm (36' 1") | 11670mm(38' 3") | 12180mm(40' 0") |
| Max digging depth | B | 6800mm(22' 4") | 7500mm (24' 7") | 8200mm(26'11") | 8600mm(28' 3") |
| Max digging depth (8ft level) | B' | 6620mm(21' 9") | 7350mm (24' 1") | 8070mm(26' 6") | 8480mm(27'10") |
| Max vertical wall digging depth | C | 5940mm(19' 6") | 6340mm (20'10") | 7040mm(23' 1") | 7550mm(24' 9") |
| Max digging height | D | 10470mm(34' 4") | 10430mm (34' 3") | 10650mm(34'11") | 11210mm(36' 9") |
| Max dumping height | E | 7270mm(23'10") | 7290mm (23'11") | 7510mm(24' 8") | 8030mm(26' 4") |
| Min swing radius | F | 4630mm(15' 2") | 4560mm (15' 0") | 4550mm(14'11") | 4570mm(15' 0") |
| Bucket digging force | SAE | 200[218] kN | 201[219] kN | 199[217] kN | 202[220] kN |
| | | 20440[22290] kgf | 20470[22330] kgf | 20310[22160] kgf | 20600[22470] kgf |
| | | 45050[49150] lbf | 45130[49230] lbf | 44770[48840] lbf | 45400[49530] lbf |
| | ISO | 228[248] kN | 228[249] kN | 226[247] kN | 230[250] kN |
| | | 23240[25350] kgf | 23280[25490] kgf | 23090[25190] kgf | 23420[25550] kgf |
| | | 51230[55890] lbf | 51320[55990] lbf | 50910[55540] lbf | 51630[56320] lbf |
| Arm crowd force | SAE | 185[201] kN | 151[165] kN | 136[148] kN | 125[136] kN |
| | | 18830[20540] kgf | 15450[16860] kgf | 13830[15090] kgf | 12710[13860] kgf |
| | | 41520[45290] lbf | 34070[37170] lbf | 30500[33270] lbf | 28020[30560] lbf |
| | ISO | 192[210] kN | 157[171] kN | 140[152] kN | 128[140] kN |
| | | 19610[21390] kgf | 16010[17490] kgf | 14230[15530] kgf | 13080[14270] kgf |
| | | 43230[47160] lbf | 35290[38500] lbf | 31380[34240] lbf | 28840[31460] lbf |

[] : Power boost















4. WEIGHT

| Item | R360LC-7 | |
|---|----------|-------|
| | kg | lb |
| Upperstructure assembly | 11620 | 25620 |
| Main frame weld assembly | 2810 | 6200 |
| Engine assembly | 720 | 1590 |
| Main pump assembly | 190 | 420 |
| Main control valve assembly | 250 | 550 |
| Swing motor assembly | 360 | 790 |
| Hydraulic oil tank assembly | 230 | 510 |
| Fuel tank assembly | 240 | 530 |
| Counterweight | 6500 | 14330 |
| Cab assembly | 310 | 680 |
| Lower chassis assembly | 5270 | 11620 |
| Track frame weld assembly | 14140 | 31170 |
| Swing bearing | 560 | 1230 |
| Travel motor assembly | 410 | 900 |
| Turning joint | 50 | 110 |
| Track recoil spring and idler | 420 | 930 |
| Idler | 180 | 400 |
| Carrier roller | 40 | 90 |
| Track roller | 80 | 180 |
| Track-chain assembly(600mm standard triple grouser shoe) | 2360 | 5200 |
| Front attachment assembly(6.5m boom, 3.2m arm, 1.62m ³ PCSA heaped bucket) | 7660 | 16890 |
| 6.5m boom assembly | 3020 | 6660 |
| 3.2m arm assembly | 1280 | 2820 |
| 1.62m ³ PCSA heaped bucket | 1240 | 2740 |
| Boom cylinder assembly | 340 | 750 |
| Arm cylinder assembly | 460 | 1010 |
| Bucket cylinder assembly | 290 | 640 |
| Bucket control linkage assembly | 350 | 770 |

5. LIFTING CAPACITIES











1) 6.5m(21' 4") boom, 3.2m(10' 6") arm equipped with 1.62m³(PCSA heaped) bucket and 600mm(24") triple grouser shoe.

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















| 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) | |
| 9.0m (30ft) | kg lb | | | | | | | | | | | | | | *6020 *13270 | *6020 *13270 | 7.97 (26.1) |
| 7.5m (25ft) | kg lb | | | | | | | | *4590 *10120 | *4590 *10120 | | | | | *6110 *13470 | 4560 10050 | 9.12 (29.9) |
| 6.0m (20ft) | kg lb | | | | | | | | *6710 *14790 | 6480 14290 | | | | | *6140 *13540 | 3780 8330 | 9.87 (32.4) |
| 4.5m (15ft) | kg lb | | | | | | | *8350 *18410 | *8350 *18410 | *7420 *16360 | 6190 13650 | *4490 *9900 | 4350 9590 | 5910 13030 | 3330 7340 | 10.32 (33.9) | |
| 3.0m (10ft) | kg lb | | | | | *13690 *30180 | 13420 29590 | *10100 *22270 | 8460 18650 | *8370 *18450 | 5820 12830 | *6400 *14110 | 4170 9190 | 5610 12370 | 3110 6860 | 10.50 (34.4) | |
| 1.5m (5ft) | kg lb | | | | | *16650 *36710 | 12210 26920 | *11760 *25930 | 7830 17260 | *9330 *20570 | 5480 12080 | 7130 15720 | 3990 8800 | 5560 12260 | 3050 6720 | 10.45 (34.3) | |
| Ground Line | kg lb | | | *13060 *28790 | *13060 *28790 | *18210 *40150 | 11580 25530 | *12930 *28510 | 7400 16310 | 9400 20720 | 5210 11490 | 6970 15370 | 3840 8470 | 5790 12760 | 3170 6990 | 10.14 (33.3) | |
| -1.5m (-5ft) | kg lb | *13680 *30160 | *13680 *30160 | *17490 *38560 | *17490 *38560 | *18550 *40900 | 11380 25090 | 13380 29500 | 7180 15830 | 9230 20350 | 5060 11160 | | | 6370 14040 | 3510 7740 | 9.57 (31.4) | |
| -3.0m (-10ft) | kg lb | *17850 *39350 | *17850 *39350 | *22770 *50200 | *22770 *50200 | *17870 *39400 | 11440 25220 | *13210 *29120 | 7170 15810 | 9240 20370 | 5070 11180 | | | 7570 16690 | 4230 9330 | 8.65 (28.4) | |
| -4.5m (-15ft) | kg lb | *22570 *49760 | *22570 *49760 | *22590 *49800 | *22590 *49800 | *16000 *35270 | 11740 25880 | *11870 *26170 | 7360 16230 | | | | | *8000 *17640 | 5860 12920 | 7.25 (23.8) | |
| -6.0m (-20ft) | kg lb | | | | | *11900 *26230 | *11900 *26230 | | | | | | | | | | |

- 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) 6.5m(21' 4") boom, 2.50m(8' 2") arm equipped with 1.62m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

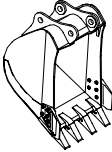
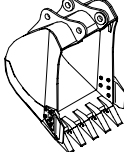
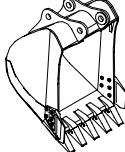
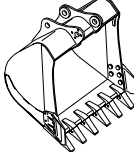
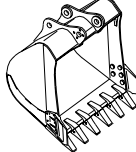
| Load point height | | Load radius | | | | | | | | At max. reach | | | | |
|-------------------|----------|---|---|---|---|---|---|---|---|---|---|-----------------|-----------------|----------------|
| | | 3.0m(10ft) | | 4.5m(15ft) | | 6.0m(20ft) | | 7.5m(25ft) | | Capacity | | Reach | | |
| | |  |  |  |  |  |  |  |  |  |  | m(ft) | | |
| 9.0m (30ft) | kg lb | | | | | | | | | | | *6900 *15210 | *6900 *15210 | 7.22 (23.7) |
| 7.5m (25ft) | kg lb | | | | | | | | | | | *6870 *15150 | 5100 11240 | 8.49 (27.9) |
| 6.0m (20ft) | kg lb | | | | | *8050 *17750 | *8050 *17750 | *7580 *16710 | 6260 13800 | | | *6970 *15370 | 4150 9150 | 9.29 (30.5) |
| 4.5m (15ft) | kg lb | | | *11980 *26410 | *11980 *26410 | *9400 *20720 | 8840 19490 | *8180 *18030 | 6000 13230 | | | 6430 14180 | 3640 8020 | 9.77 (32.1) |
| 3.0m (10ft) | kg lb | | | *15410 *33970 | 12740 28090 | *11030 *24320 | 8180 18030 | *9020 *19890 | 5680 12520 | | | 6090 13430 | 3400 7500 | 9.97 (32.7) |
| 1.5m (5ft) | kg lb | | | *17780 *39200 | 11780 25970 | *12460 *27470 | 7630 16820 | 9590 21140 | 5380 11860 | | | 6070 13380 | 3360 7410 | 9.91 (32.5) |
| Ground Line | kg lb | | | *18570 *40940 | 11440 25220 | *13320 *29370 | 7300 16090 | 9350 20610 | 5170 11400 | | | 6370 14040 | 3530 7780 | 9.59 (31.5) |
| -1.5m (-5ft) | kg lb | *17800 *39240 | *17800 *39240 | *18280 *40300 | 11420 25180 | 13390 29520 | 7190 15850 | 9270 20440 | 5100 11240 | | | 7140 15740 | 3980 8770 | 8.97 (29.4) |
| -3.0m (-10ft) | kg lb | *23550 *51920 | *23550 *51920 | *17040 *37570 | 11610 25600 | *12770 *28150 | 7280 16050 | | | | | *8130 *17920 | 4960 10930 | 7.97 (26.1) |
| -4.5m (-15ft) | kg lb | *19520 *43030 | *19520 *43030 | *14370 *31680 | 12060 26590 | | | | | | | *7460 *16450 | 7430 16380 | 6.39 (21.0) |

3) 6.5m(21' 4") boom, 3.9m(12' 10") arm equipped with 1.62m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

| 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) |
| 9.0m (30ft) | kg lb | | | | | | | | | | | | | *5290 *11660 | 5040 11110 | 8.81 (28.9) |
| 7.5m (25ft) | kg lb | | | | | | | | | | | | | *5420 *11950 | 3920 8640 | 9.85 (32.3) |
| 6.0m (20ft) | kg lb | | | | | | | | *5890 *12990 | *5890 *12990 | *3660 *8070 | *3660 *8070 | *5590 *12320 | 3290 7250 | 10.54 (34.6) | |
| 4.5m (15ft) | kg lb | | | | | | | | *6660 *14680 | 6220 13710 | *5450 *12020 | 4360 9610 | 5280 11640 | 2910 6420 | 10.95 (35.9) | |
| 3.0m (10ft) | kg lb | | | *19900 *43870 | *19900 *43870 | *12040 *26540 | *12040 *26540 | *9120 *20110 | 8550 18850 | *7660 *16890 | 5830 12850 | *6860 *15120 | 4140 9130 | 5020 11070 | 2710 5970 | 11.13 (36.5) |
| 1.5m (5ft) | kg lb | | | *12660 *27910 | *12660 *27910 | *15330 *33800 | 12370 27270 | *10910 *24050 | 7840 17280 | *8710 *19200 | 5430 11970 | *7070 *15590 | 3920 8640 | 4970 10960 | 2650 5840 | 11.07 (36.3) |
| Ground Line | kg lb | | | *13680 *30160 | *13680 *30160 | *17420 *38400 | 11530 25420 | *12310 *27140 | 7320 16140 | 9310 20530 | 5110 11270 | 6860 15120 | 3730 8220 | 5130 11310 | 2730 6020 | 10.79 (35.4) |
| -1.5m (-5ft) | kg lb | *12590 *27760 | *12590 *27760 | *16830 *37100 | *16830 *37100 | *18250 *40230 | 11170 24630 | *13100 *28880 | 7020 15480 | 9080 20020 | 4910 10820 | 6740 14860 | 3620 7980 | 5560 12260 | 2980 6570 | 10.26 (33.7) |
| -3.0m (-10ft) | kg lb | *16200 *35710 | *16200 *35710 | *21040 *46390 | *21040 *46390 | *18030 *39750 | 11120 24520 | *13110 *28900 | 6930 15280 | 9010 19860 | 4850 10690 | | | 6440 14200 | 3510 7740 | 9.42 (30.9) |
| -4.5m (-15ft) | kg lb | *20270 *44690 | *20270 *44690 | *24240 *53440 | *24240 *53440 | *16700 *36820 | 11320 24960 | 12330 27180 | 7040 15520 | 9150 20170 | 4970 10960 | | | *7640 *16840 | 4610 10160 | 8.17 (26.8) |
| -6.0m (-20ft) | kg lb | | | *19460 *42900 | *19460 *42900 | *13690 *30180 | 11820 26060 | | | | | | | | | |


6. BUCKET SELECTION GUIDE


1) GENERAL BUCKET


| | | | | |
|---|---|---|--|---|
|  |  |  |  |  |
| 1.15m ³ PCSA heaped bucket | 1.62m ³ PCSA heaped bucket | 1.86m ³ PCSA heaped bucket | 2.10m ³ PCSA heaped bucket | 2.32m ³ PCSA heaped bucket |

| Capacity | | Width | | Weight | Recommendation 6.5m (21' 4") boom | | | | 6.15m (20' 2") boom |
|--|---|---------------------|-------------------|--------------------|--------------------------------------|-------------------|--------------------|-------------------|---------------------|
| PCSA heaped | CECE heaped | Without side cutter | With side cutter | | 2.5m arm (8' 2") | 3.2m arm (10' 6") | 3.9m arm (12' 10") | 4.3m arm (14' 1") | 2.5m arm (8' 2") |
| | | | | | | | | | |
| 1.15m ³ (1.5yd ³) | 1.0m ³ (1.3yd ³) | 1090mm (42.9") | 1235mm (48.6") | 1030kg (2270lb) | | | | | |
| 1.62m ³ (2.12yd ³) | 1.40m ³ (1.8yd ³) | 1440mm (56.7") | 1585mm (62.4") | 1245kg (2745lb) | | | | | |
| 1.86m ³ (2.43yd ³) | 1.60m ³ (2.1yd ³) | 1630mm (64.2") | 1775mm (69.9") | 1475kg (3250lb) | | | | | |
| 2.10m ³ (2.75yd ³) | 1.80m ³ (2.4yd ³) | 1810mm (71.3") | 1955mm (77.0") | 1385kg (3055lb) | | | | | |
| 2.32m ³ (3.03yd ³) | 2.0m ³ (2.6yd ³) | 1990mm (78.3") | 2135mm (84.1") | 1530kg (3370lb) | | | | | |

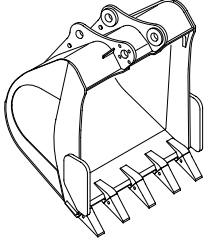
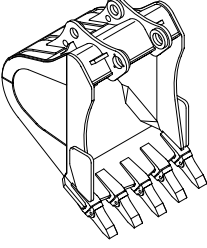
: Standard bucket

 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

| | |
|---|--|
|  |  |
| ◆ 1.62m ³ PCSA heaped bucket | 1.62m ³ PCSA heaped bucket |

| Capacity | | Width | | Weight | Recommendation | | | | 6.15m (20' 2") boom |
|--|---|---------------------|------------------|--------------------|--------------------|-------------------|--------------------|-------------------|---------------------|
| PCSA heaped | CECE heaped | Without side cutter | With side cutter | | 6.5m (21' 4") boom | | | | |
| | | | | | 2.5m arm (8' 2") | 3.2m arm (10' 6") | 3.9m arm (12' 10") | 4.3m arm (14' 1") | 2.5m arm (8' 2") |
| ◆ 1.62m ³ (2.12yd ³) | 1.40m ³ (1.8yd ³) | 1550mm (61.0") | - | 1590kg (3505lb) | | | | | |
| 1.62m ³ (2.12yd ³) | 1.40m ³ (1.8yd ³) | 1545mm (60.8") | - | 1550kg (3420lb) | | | | | |

◆ : Heavy duty bucket

◆ : Rock bucket

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

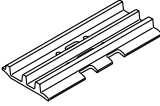
Applicable for materials with density of 1600kgf/m³ (2700lbf/yd³) or less

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 | |  | | | | |
|----------|------------------|---------------------------|--|--------------|--------------|--------------|---------------|
| | Shoe width | mm(in) | 600(24) | 700(28) | 750(30) | 800(32) | 900(36) |
| R360LC-7 | Operating weight | kg(lb) | 36100(79590) | 36500(80600) | 36725(81000) | 36950(81500) | 37400(82500) |
| | Ground pressure | kgf/cm ² (psi) | 0.64(9.10) | 0.56(7.96) | 0.52(7.39) | 0.49(6.97) | 0.44(6.26) |
| | Overall width | mm(ft-in) | 3340(10' 11") | 3440(11' 3") | 3490(11' 5") | 3540(11' 7") | 3640(11' 11") |

3) NUMBER OF ROLLERS AND SHOES ON EACH SIDE

| Item | Quantity |
|-----------------|----------|
| Carrier rollers | 2EA |
| Track rollers | 9EA |
| Track shoes | 51EA |

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 |
| 750mm triple grouser | Option | B |
| 800mm triple grouser | Option | C |
| 900mm triple grouser | Option | C |

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 QSC8.3-C |
| Type | 4-cycle turbocharged charger air cooled 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 x stroke | 114 x 135mm(4.49" x 5.32") |
| Piston displacement | 8300cc(505cu in) |
| Compression ratio | 17.1 : 1 |
| Rated gross horse power(SAE J1995) | 280Hp at 1900rpm(209kW at 1900rpm) |
| Maximum torque | 120.3kgf · m(870lbf · ft) at 1400rpm |
| Engine oil quantity | 26.5 (7.0U.S. gal) |
| Dry weight | 694kg(1530lb) |
| High idling speed | 1960+ 50rpm |
| Low idling speed | 900 ± 50rpm |
| Rated fuel consumption | 153.4g/Hp · hr at 1900rpm |
| Starting motor | Delco Remy 39MT(24V-7.2kW) |
| Alternator | Delco Remy 24V-50A |
| Battery | 2 x 12V x 160Ah |

2) MAIN PUMP

| Item | Specification |
|------------------|--|
| Type | Variable displacement tandem axis piston pumps |
| Capacity | 2 x 153cc/rev |
| Maximum pressure | 330kgf/cm ² (4690psi)[360kgf/cm ² (5120psi)] |
| Rated oil flow | 2 x 290 /min (76.6U.S. gpm/ 63.8U.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 /min(7.5U.S. gpm/6.3U.K. gpm) |

4) MAIN CONTROL VALVE

| Item | Specification |
|--------------------------------|---|
| Type | 7 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 | 250cc/rev |
| Relief pressure | 260kgf/cm ² (3700psi) |
| Braking system | Automatic, spring applied hydraulic released |
| Braking torque | 107kgf · m(773lbf · ft) |
| Brake release pressure | 30kgf/cm ² (427psi) |
| Reduction gear type | 2 - stage planetary |
| Swing speed | 9.1rpm |

6) TRAVEL MOTOR

| Item | Specification |
|------------------------|--|
| Type | Variable displacement axial piston motor |
| Relief pressure | 335kgf/cm ² (4765psi) |
| Capacity(max / min) | 168/120cc/rev |
| Reduction gear type | 3-stage planetary |
| Braking system | Automatic, spring applied hydraulic released |
| Brake release pressure | 8.5kgf/cm ² (121psi) |
| Braking torque | 40kgf · m(289lbf · 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 | Ø160 × Ø110 × 1500mm |
| | Cushion | Extend only |
| Arm cylinder | Bore dia × Rod dia × Stroke | Ø170 × Ø120 × 1760mm |
| | Cushion | Extend and retract |
| Bucket cylinder | Bore dia × Rod dia × Stroke | Ø150 × Ø105 × 1295mm |
| | 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 |
|----------|----------|------------|-----------------------------------|---------------|-----------------|
| R360LC-7 | Standard | 600mm(24") | 0.64kgf/cm ² (9.10psi) | 51 | 3340mm(10' 11") |
| | Option | 700mm(28") | 0.56kgf/cm ² (7.96psi) | 51 | 3440mm(11' 3") |
| | | 750mm(30") | 0.52kgf/cm ² (7.39psi) | 51 | 3490mm(11' 5") |
| | | 800mm(32") | 0.49kgf/cm ² (6.97psi) | 51 | 3540mm(11' 7") |
| | | 900mm(36") | 0.44kgf/cm ² (6.26psi) | 51 | 3640mm(11' 11") |

10) BUCKET

| Item | | Capacity | | Tooth quantity | Width | | |
|----------|----------|---|---|--|---------------------|------------------|---------------|
| | | PCSA heaped | CECE heaped | | Without side cutter | With side cutter | |
| R360LC-7 | Standard | 1.62m ³ (2.12yd ³) | 1.40m ³ (1.8yd ³) | 5 | 1440mm(56.7") | 1585mm(62.4") | |
| | Option | | 1.15m ³ (1.50yd ³) | 1.0m ³ (1.3yd ³) | 4 | 1090mm(42.9") | 1235mm(48.6") |
| | | | 1.62m ³ (2.12yd ³) | 1.40m ³ (1.8yd ³) | 5 | 1550mm(61.0") | - |
| | | ☞ 1.62m ³ (2.12yd ³) | 1.40m ³ (1.8yd ³) | 5 | 1545mm(60.8") | - | |
| | | | 1.86m ³ (2.43yd ³) | 1.60m ³ (2.1yd ³) | 5 | 1630mm(64.2") | 1775mm(69.9") |
| | | | 2.10m ³ (2.75yd ³) | 1.80m ³ (2.4yd ³) | 6 | 1810mm(71.3") | 1955mm(77.0") |
| | | | 2.32m ³ (3.03yd ³) | 2.0m ³ (2.6yd ³) | 6 | 1900mm(78.3") | 2135mm(84.1") |

: 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 (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 | 26.5(7.0) | | | | | | | SAE 30 | | |
| | | | | | | | | | | SAE 10W | |
| | | | | | | | | | | SAE 10W-30 | |
| | | | | | | | | | | SAE 15W-40 | |
| Swing drive | Gear oil | 6.0(1.6) | | | | | | | | | |
| Final drive | | 7.0 × 2 (1.8 × 2) | | | | | | | SAE 85W-140 | | |
| Hydraulic tank | Hydraulic oil | Tank; 230(61) System; 380(100) | | | | | | | ISO VG 32 | | |
| | | | | | | | | | | ISO VG 46 | |
| | | | | | | | | | | ISO VG 68 | |
| Fuel tank | Diesel fuel | 520(137) | | | | | | | 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 | 45(12) | | | | | | | 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