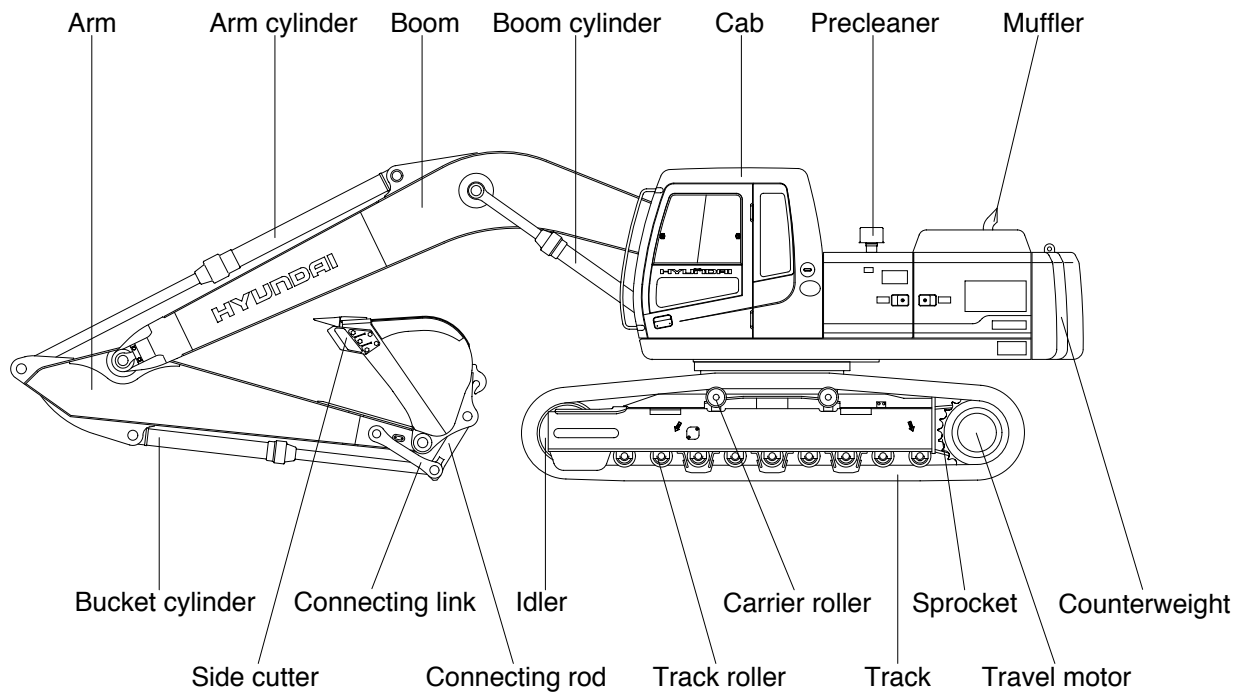
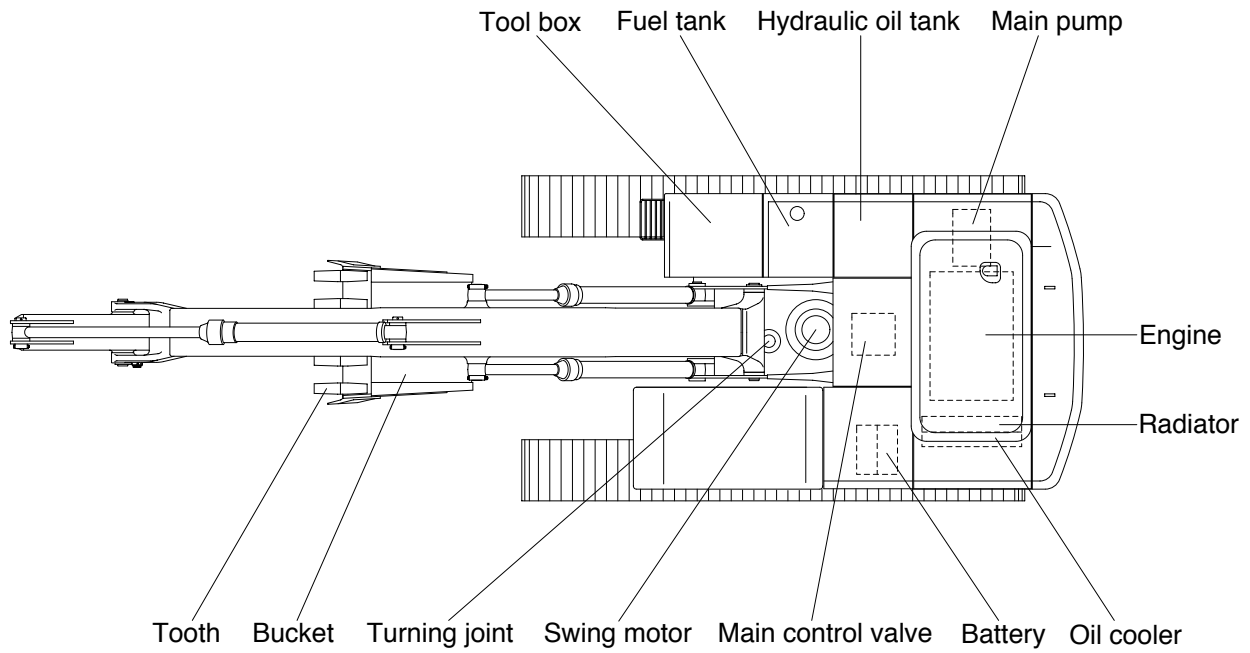


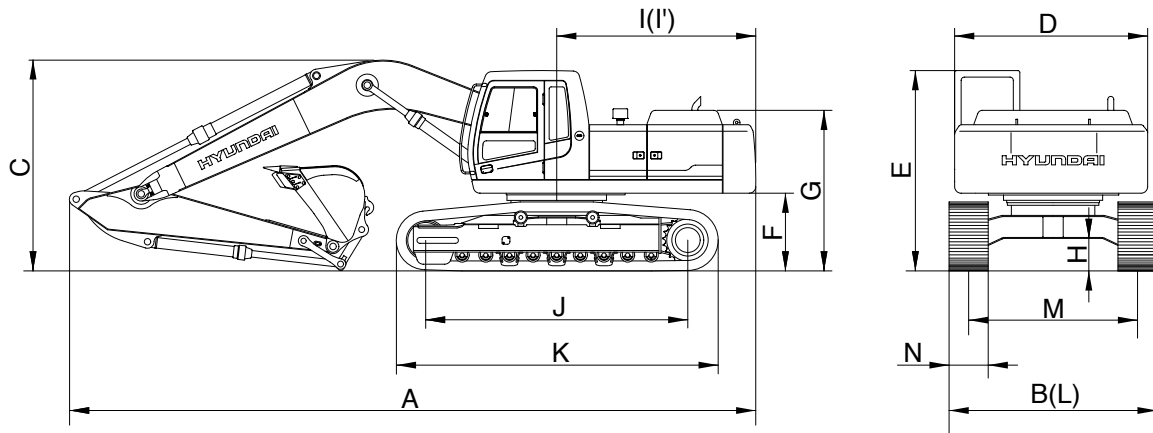
SPECIFICATIONS

1. MAJOR COMPONENT



36072SP00

2. SPECIFICATIONS

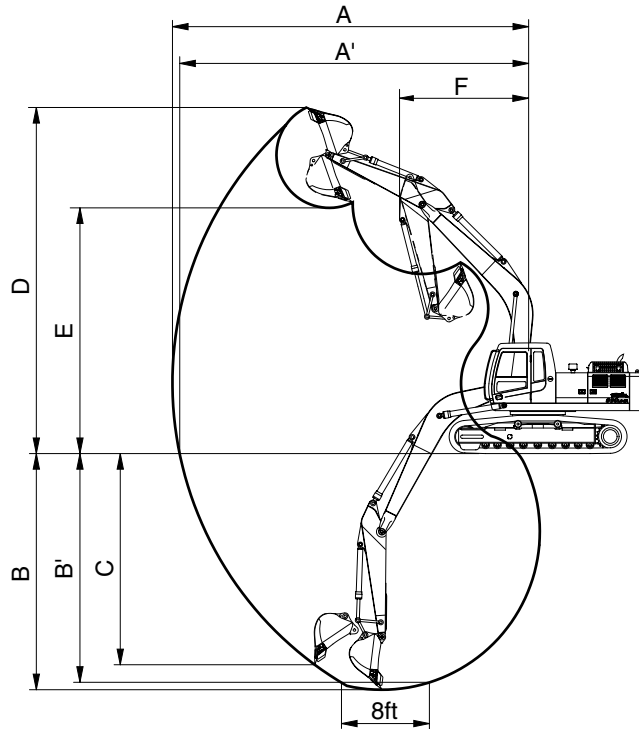


36072SP01

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 tumbler	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

• 6.5m(21' 4") BOOM



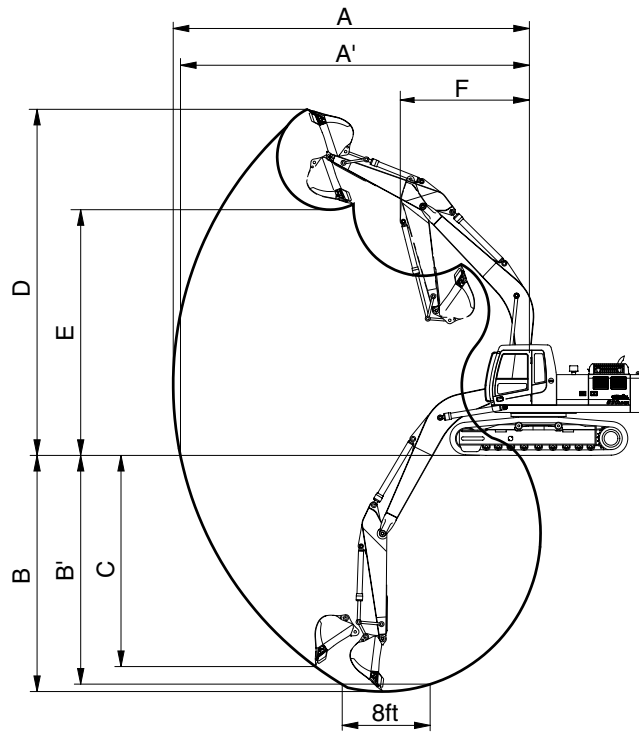
3607A2SP04

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	201.0[219.3] kN	201.0[219.3] kN	201.0[219.3] kN	201.0[219.3] kN
		20500[22360] kgf	20500[22360] kgf	20500[22360] kgf	20500[22360] kgf
		45190[49300] lbf	45190[49300] lbf	45190[49300] lbf	45190[49300] lbf
	ISO	228.5[249.3] kN	228.5[249.3] kN	228.5[249.3] kN	228.5[249.3] kN
		23300[25420] kgf	23300[25420] kgf	23300[25420] kgf	23300[25420] kgf
		51370[56040] lbf	51370[56040] lbf	51370[56040] lbf	51370[56040] lbf
Arm crowd force	SAE	184.4[201.1] kN	152.0[165.8] kN	135.3[147.6] kN	124.5[135.9] kN
		18800[20510] kgf	15500[16910] kgf	13800[15050] kgf	12700[13850] kgf
		41450[45220] lbf	34170[37280] lbf	30420[33190] lbf	28000[30550] lbf
	ISO	192.2[209.7] kN	156.9[171.2] kN	139.3[151.9] kN	128.5[140.1] kN
		19600[21380] kgf	16000[17450] kgf	14200[15490] kgf	13100[14290] kgf
		43210[47140] lbf	35270[38480] lbf	31310[34160] lbf	28880[31510] lbf

[] : Power boost

* : STD

· 6.15m(20' 2") BOOM

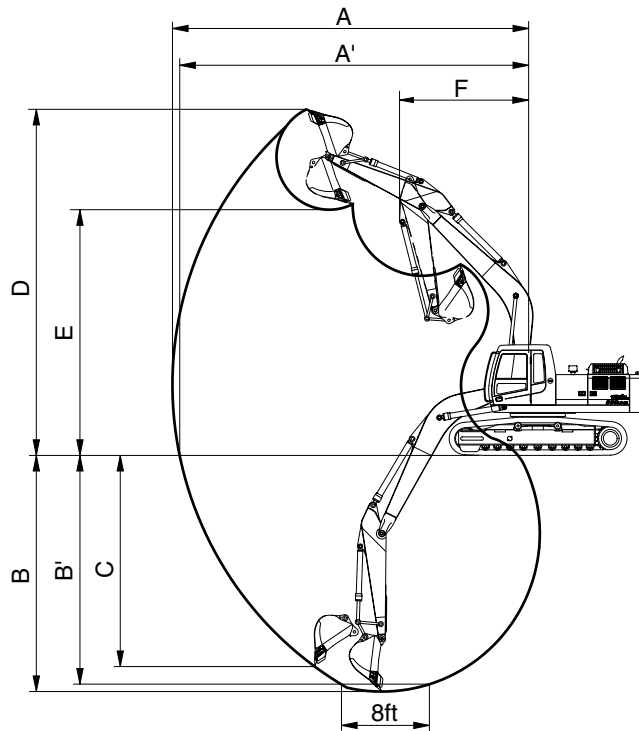


3607A2SP04

Description		2.5m(8' 2") Arm
Max digging reach	A	10330mm(33'11")
Max digging reach on ground	A'	10100mm(33' 2")
Max digging depth	B	6440mm(21' 2")
Max digging depth (8ft level)	B'	6260mm(20' 6")
Max vertical wall digging depth	C	5500mm(18' 1")
Max digging height	D	10200mm(33' 6")
Max dumping height	E	7020mm(23' 0")
Min swing radius	F	4320mm(14' 2")
Bucket digging force	SAE	201.0[219.3] kN
		20500[22360] kgf
		45190[49300] lbf
	ISO	228.5[249.3] kN
		23300[25420] kgf
		51370[56040] lbf
Arm crowd force	SAE	184.4[201.1] kN
		18800[20510] kgf
		41450[45220] lbf
	ISO	192.2[209.7] kN
		19600[21380] kgf
		43210[47140] lbf

[] : Power boost

• 8.6m(28' 3") BOOM



3607A2SP04

Description		5.1m(16' 9") Arm
Max digging reach	A	15300mm(50' 2")
Max digging reach on ground	A'	15120mm(49' 7")
Max digging depth	B	11210mm(36' 9")
Max digging depth (8ft level)	B'	11100mm(36' 5")
Max vertical wall digging depth	C	10070mm(33' 0")
Max digging height	D	13160mm(43' 2")
Max dumping height	E	9990mm(32' 9")
Min swing radius	F	6040mm(19'10")
Bucket digging force	SAE	202[220.4] kN
		20600[22470] kgf
		45420[49550] lbf
	ISO	229.5[250.3] kN
		23400[25530] kgf
		51590[56280] lbf
Arm crowd force	SAE	109.8[119.8] kN
		11200[12220] kgf
		24690[26930] lbf
	ISO	112.8[123.0] kN
		11500[12550] kgf
		25350[27650] 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									

4) 6.5m(21' 4") boom, 4.3m(14' 1") arm equipped with 1.62m³(PCSA heaped) bucket and 600mm (24") triple grouser shoe.

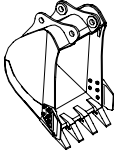
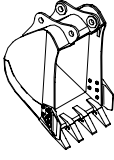
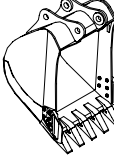
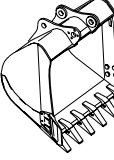
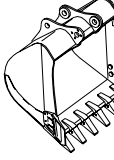
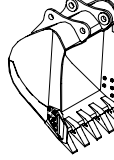
Load point height		Load radius														At max. reach			
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		7.5m(25ft)		9.0m(30ft)		10.5m(35ft)		Capacity		Reach	
																		m(ft)	
9.0m (30ft)	kg lb																*5050 *11130	4330 9550	9.45 (31.0)
7.5m (25ft)	kg lb											*2740 *6040	*2740 *6040				*4810 *10600	3440 7580	10.42 (34.2)
6.0m (20ft)	kg lb											*4460 *9830	*4460 *9830				*4700 *10360	2910 6420	11.07 (36.3)
4.5m (15ft)	kg lb									*6110 *13470	*6110 *13470	*5620 *12390	4400 9700				*4730 *10430	2590 5710	11.46 (37.6)
3.0m (10ft)	kg lb			*17000 *37480	*17000 *37480	*10840 *23900	*10840 *23900	*8410 *18540	*8410 *18540	*7160 *15790	5890 12990	*6460 *14240	4160 9170	*2660 *5860	*2660 *5860	4580 10100	2410 5310	11.63 (38.2)	
1.5m (5ft)	kg lb			*13680 *30160	*13680 *30160	*14340 *31610	12630 27840	*10300 *22710	7950 17530	*8270 *18230	5470 12060	7080 15610	3920 8640	*2990 *6590	2850 6280	4540 10010	2360 5200	11.58 (38.0)	
Ground Line	kg lb			*13030 *28730	*13030 *28730	*16790 *37020	11620 25620	*11850 *26120	7360 16230	*9250 *20390	5110 11270	6840 15080	3700 8160			4680 10320	2430 5360	11.31 (37.1)	
-1.5m (-5ft)	kg lb	*11080 *24430	*11080 *24430	*15420 *34000	*15420 *34000	*17980 *39640	11130 24540	*12820 *28260	6990 15410	9050 19950	4870 10740	6690 14750	3560 7850			5040 11110	2640 5820	10.81 (35.5)	
-3.0m (-10ft)	kg lb	*14380 *31700	*14380 *31700	*19060 *42020	*19060 *42020	*18090 *39880	11000 24250	13020 28700	6840 15080	8930 19690	4760 10490	6650 14660	3530 7780			5750 12680	3080 6790	10.02 (32.9)	
-4.5m (-15ft)	kg lb	*18170 *40060	*18170 *40060	*24050 *53020	23940 52780	*17140 *37790	11120 24520	*12590 *27760	6890 15190	8990 19820	4820 10630					*6970 *15370	3930 8660	8.87 (29.1)	
-6.0m (-20ft)	kg lb	*22830 *50330	*22830 *50330	*21250 *46850	*21250 *46850	*14730 *32470	11530 25420	*10720 *23630	7180 15830							*6830 *15060	5930 13070	7.15 (23.5)	

5) 6.15m(20' 2") boom, 2.5m(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											*7640 *16840	*7640 *16840	6.65 (21.8)				
7.5m (25ft)	kg lb											*7520 *16580	5870 12940	8.02 (26.3)				
6.0m (20ft)	kg lb											*8660 *19090	*8660 *19090	*6540 14150	*7580 *16710	4710 10380	8.88 (29.1)	
4.5m (15ft)	kg lb	*18380 *40520	*18380 *40520	*12260 *27030	*12260 *27030	*9890 *21800	9200 20280	*8740 *19270	6220 13710	7080 15610	4100 9040					9.38 (30.8)		
3.0m (10ft)	kg lb			*15570 *34330	13490 29740	*11460 *25260	8570 18890	*9500 *20940	5920 13050	6670 14700	3810 8400					9.58 (31.4)		
1.5m (5ft)	kg lb			*18030 *39750	12410 27360	*12850 *28330	8000 17640	9850 21720	5620 12390	6630 14620	3750 8270					9.52 (31.2)		
Ground Line	kg lb	*13370 *29480	*13370 *29480	*18930 *41730	11910 26260	*13670 *30140	7630 16820	9590 21140	5390 11880	6970 15370	3930 8660					9.19 (30.2)		
-1.5m (-5ft)	kg lb	*20990 *46270	*20990 *46270	*18580 *40960	11770 25950	13690 30180	7460 16450	9490 20920	5300 11680	7860 17330	4440 9790					8.53 (28.0)		
-3.0m (-10ft)	kg lb	*23670 *52180	*23670 *52180	*17040 *37570	11890 26210	*12670 *27930	7510 16560							*8470 *18670	5620 12390	7.47 (24.5)		
-4.5m (-15ft)	kg lb	*18590 *40980	*18590 *40980	*13590 *29960	12300 27120													


6. BUCKET SELECTION GUIDE


1) GENERAL BUCKET


					
1.15m ³ SAE heaped bucket	1.46m ³ SAE heaped bucket	※ 1.62m ³ SAE heaped bucket	2.10m ³ SAE heaped bucket	2.32m ³ SAE heaped bucket	1.86m ³ SAE heaped bucket

Capacity		Width		Weight	6.5m (21' 4") boom				6.15m(20'2") boom	8.6m(28' 3") boom
SAE 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")	5.1m arm (16' 9")
1.15m ³ (1.5yd ³)	1.0m ³ (1.3yd ³)	1090mm (42.9")	1220mm (48.0")	1030kg (2270lb)						
1.46m ³ (1.91yd ³)	1.27m ³ (1.66yd ³)	1380mm (54.3")	1510mm (59.4")	1170kg (2580lb)						
※ 1.62m ³ (2.12yd ³)	1.40m ³ (1.8yd ³)	1440mm (56.7")	1570mm (61.8")	1280kg (2820lb)						
1.86m ³ (2.43yd ³)	1.60m ³ (2.1yd ³)	1620mm (63.8")	1750mm (68.9")	1390kg (3060lb)						
2.10m ³ (2.75yd ³)	1.80m ³ (2.4yd ³)	1810mm (71.3")	1940mm (76.4")	1520kg (3350lb)						
2.32m ³ (3.03yd ³)	2.0m ³ (2.6yd ³)	1990mm (78.3")	2120mm (83.5")	1760kg (3880lb)						

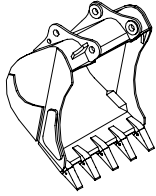
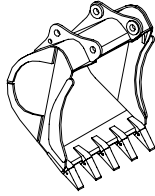
※ : Standard bucket

 Applicable for materials with density of 2000kg/m³ (3370lb/yd³) or less

 Applicable for materials with density of 1600kg/m³ (2700lb/yd³) or less

 Applicable for materials with density of 1100kg/m³ (1850lb/yd³) or less

2) ROCK AND HEAVY DUTY BUCKET

	
◆ 1.62m ³ SAE heaped bucket	◎ 1.44m ³ , 1.62m ³ , 1.86m ³ SAE heaped bucket

Capacity		Width		Weight	Recommendation				6.15m (20' 2") boom
					6.5m (21' 4") boom				
SAE 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")
◆ 1.62m ³ (2.12yd ³)	1.40m ³ (1.8yd ³)	1540mm (60.6")	-	1570kg (3460lb)					
◎ 1.44m ³ (1.88yd ³)	1.27m ³ (1.66yd ³)	1280mm (50.4")	-	1565kg (3450lb)					
◎ 1.62m ³ (2.12yd ³)	1.40m ³ (1.8yd ³)	1545mm (60.8")	-	1610kg (3550lb)					
◎ 1.86m ³ (2.43yd ³)	1.60m ³ (2.1yd ³)	1725mm (67.9")	-	1710kg (3770lb)					

◆ : 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

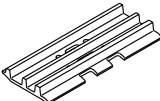
Applicable for materials with density of 1100kgf/m³ (1850lbf/yd³) or less

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				
							
R360LC-7	Shoe width	mm(in)	600(24)	700(28)	750(30)	800(32)	900(36)
	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(773lb · 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(289lb · 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)	SAE 85W-140						
Final drive		7.0 × 2 (1.8 × 2)							
Hydraulic tank	Hydraulic oil	Tank; 230(61)	ISO VG 32						
		System; 380(100)	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