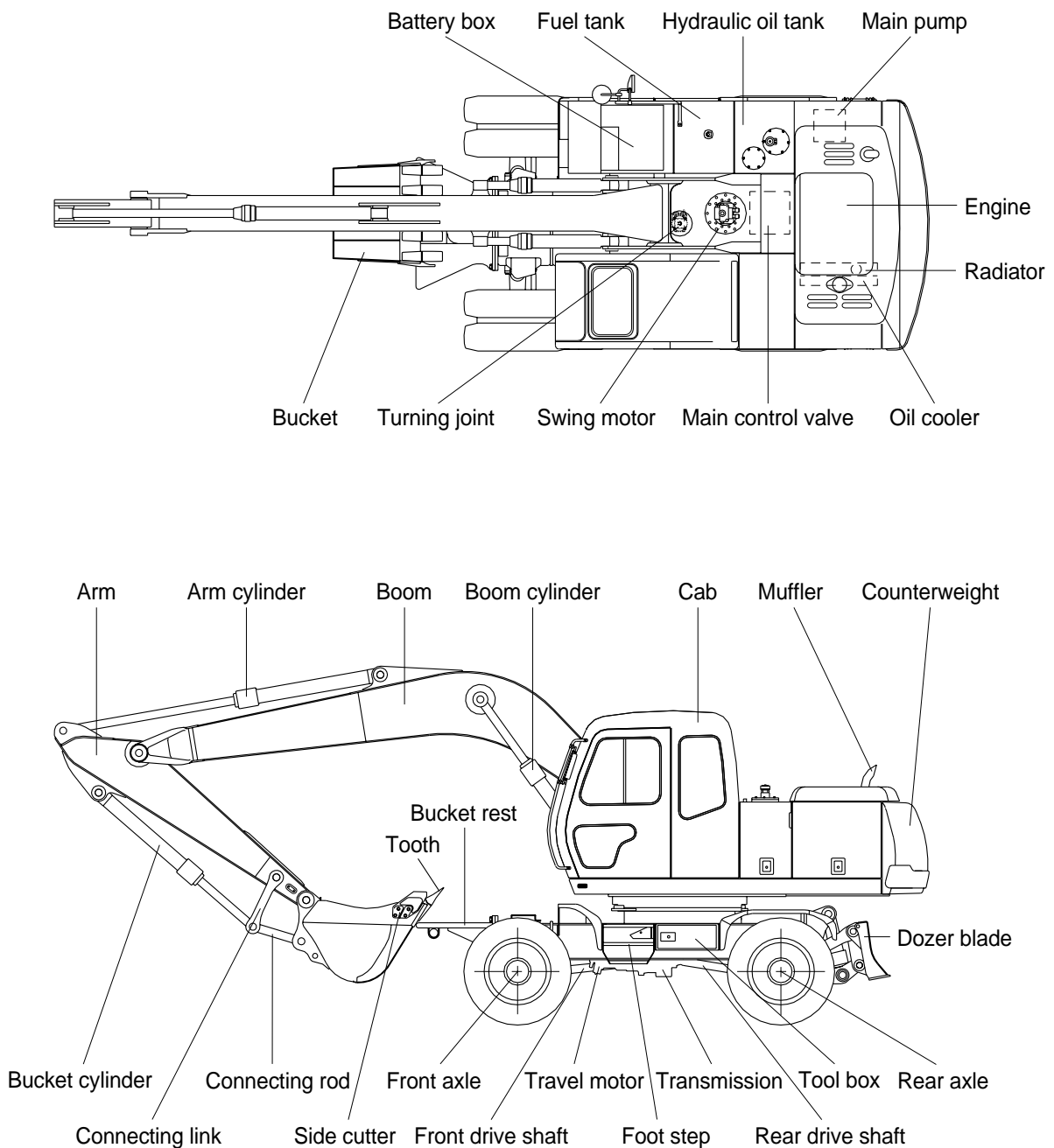


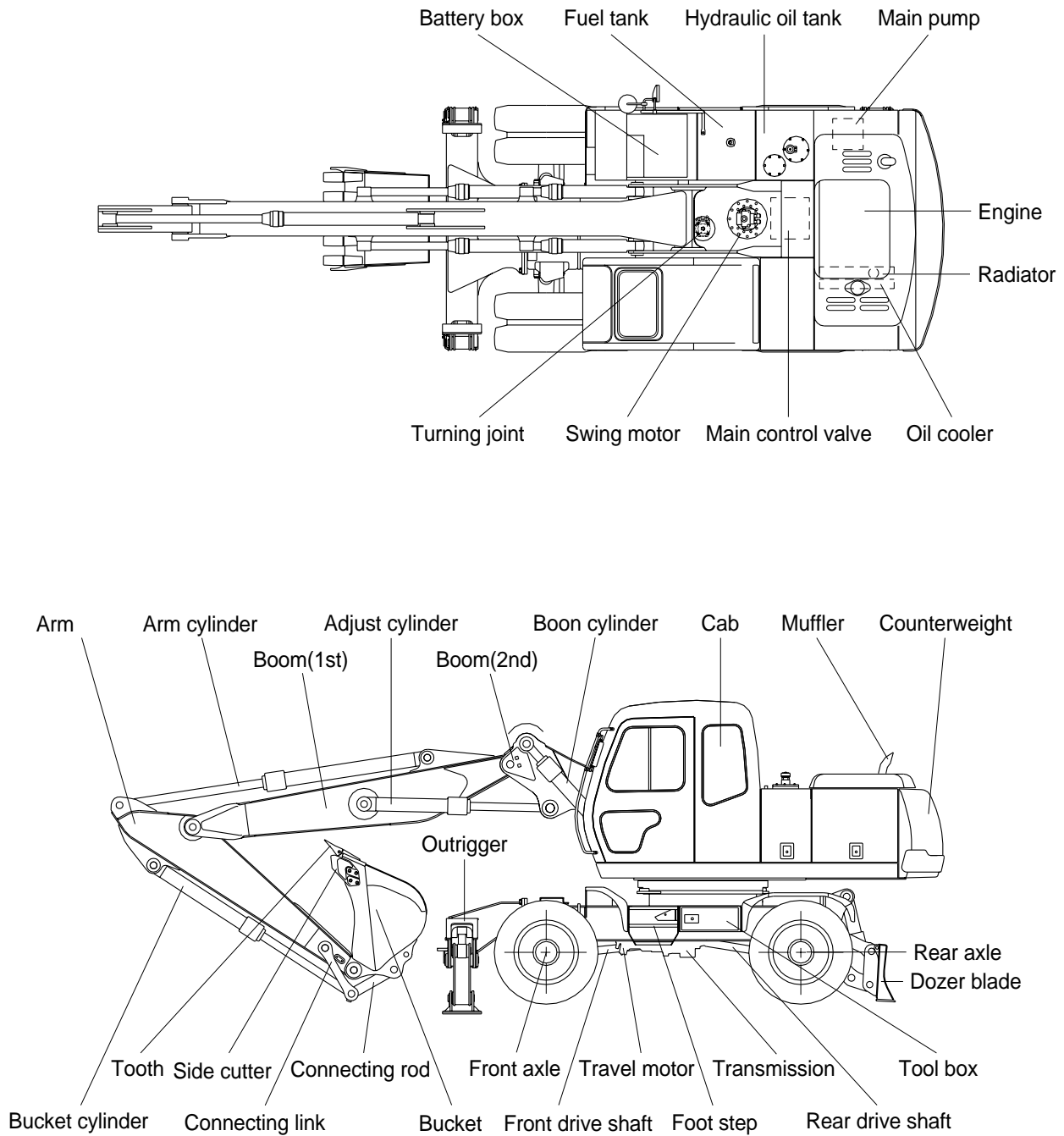
GROUP 2 SPECIFICATION

1. MAJOR COMPONENTS

1) EQUIPPED WITH ONE PIECE BOOM

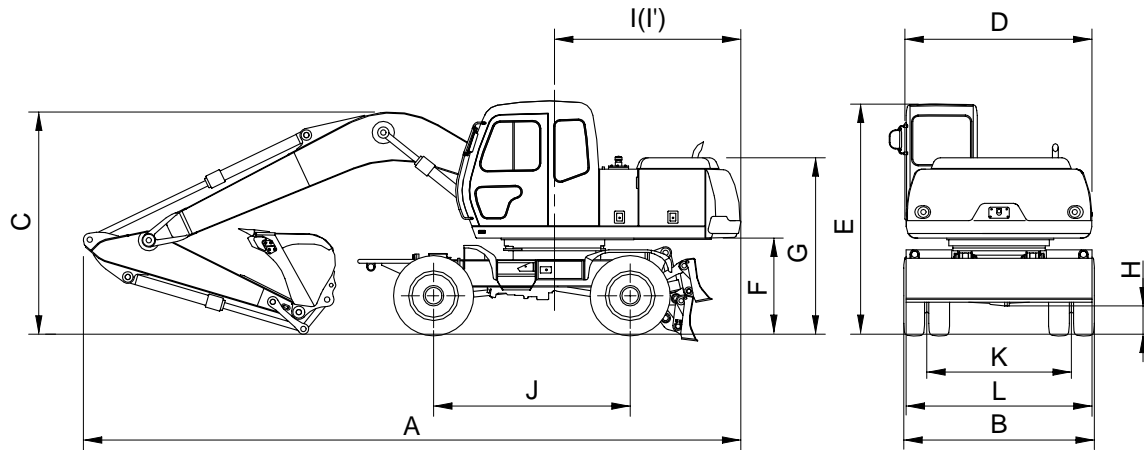


2) EQUIPPED WITH TWO PIECE BOOM



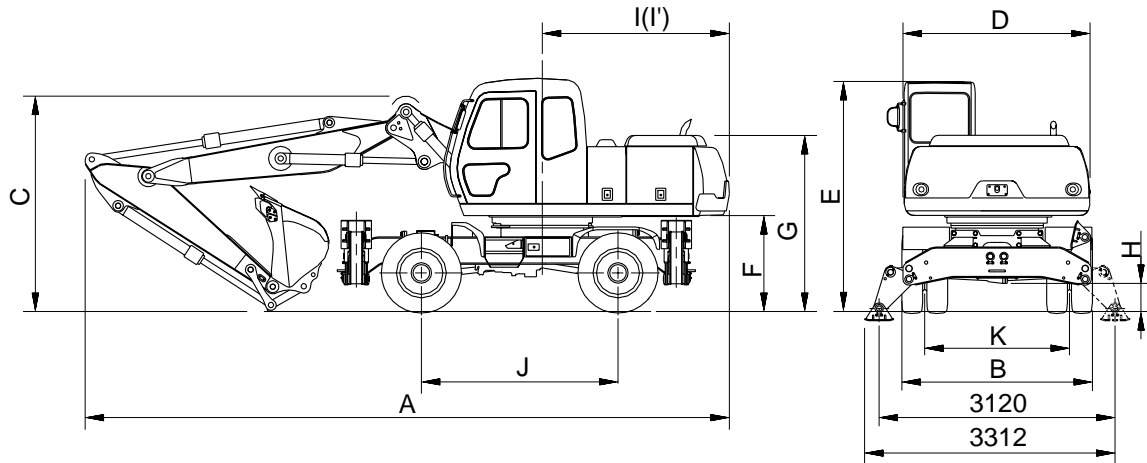
2. SPECIFICATIONS

1) 5.2m(17' 1") ONE PIECE BOOM, 2.2m(7' 3") ARM AND REAR DOZER BLADE



Description		Unit	Specification
Operating weight		kg(lb)	16480(36330)
Bucket capacity(PCSA heaped), standard		m ³ (yd ³)	0.70(0.92)
Overall length	A	mm(ft-in)	8690(28' 6")
Overall width	B		2500(8' 2")
Overall height	C		3050(10' 0")
Superstructure width	D		2450(8' 0")
Cab height	E		3080(10' 1")
Ground clearance of counterweight	F		1270(4' 2")
Engine cover height	G		2330(7' 8")
Minimum ground clearance	H		375(1' 3")
Rear-end distance	I		2450(8' 0")
Rear-end swing radius	I'		2530(8' 4")
Wheel base	J		2600(8' 6")
Tread	K		1914(6' 3")
Dozer blade width	L		2490(8' 2")
Travel speed	Low	km/hr(mph)	6.5(4.1)
	High		25(15.6)
Swing speed		rpm	11.5
Gradeability		Degree(%)	30(58)

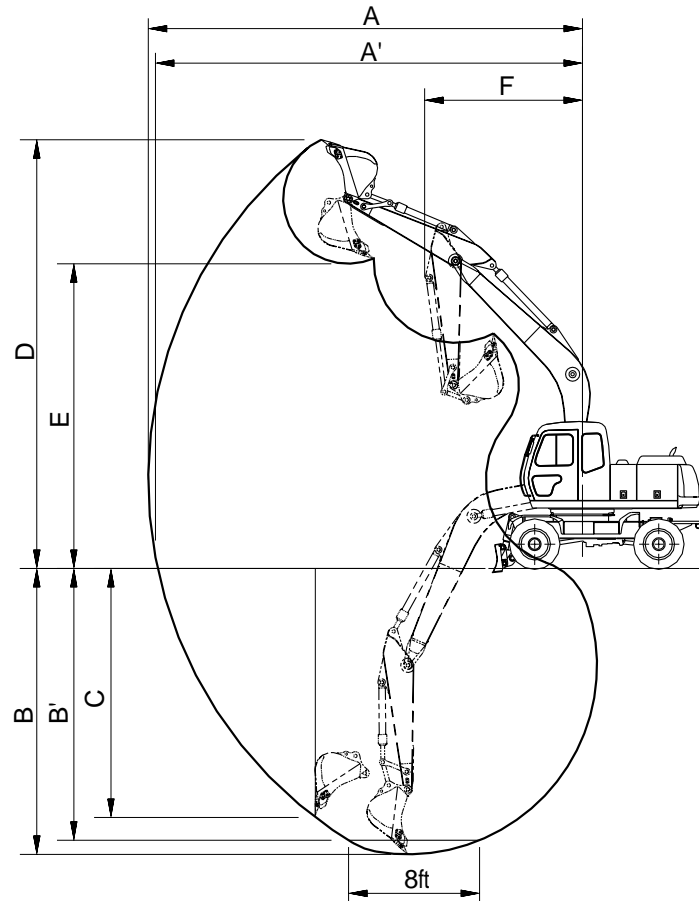
2) 5.0m(16' 5") TWO PIECE BOOM(CYL TYPE), 2.2m(7' 3") ARM AND FOUR OUTRIGGER



Description		Unit	Specification
Operating weight		kg(lb)	18080(39860)
Bucket capacity(PCSA heaped), standard		m ³ (yd ³)	0.70(0.92)
Overall length	A	mm(ft-in)	8510(27' 11")
Overall width	B		2500(8' 2")
Overall height	C		2940(9' 8")
Superstructure width	D		2450(8' 0")
Cab height	E		3080(10' 1")
Ground clearance of counterweight	F		1270(4' 2")
Engine cover height	G		2330(7' 8")
Minimum ground clearance	H		375(1' 3")
Rear-end distance	I		2450(8' 0")
Rear-end swing radius	I'		2530(8' 4")
Wheel base	J		2600(8' 6")
Tread	K		1914(6' 3")
Travel speed	Low	km/hr(mph)	6.5(4.1)
	High		25(15.6)
Swing speed		rpm	11.5
Gradeability		Degree(%)	30(58)

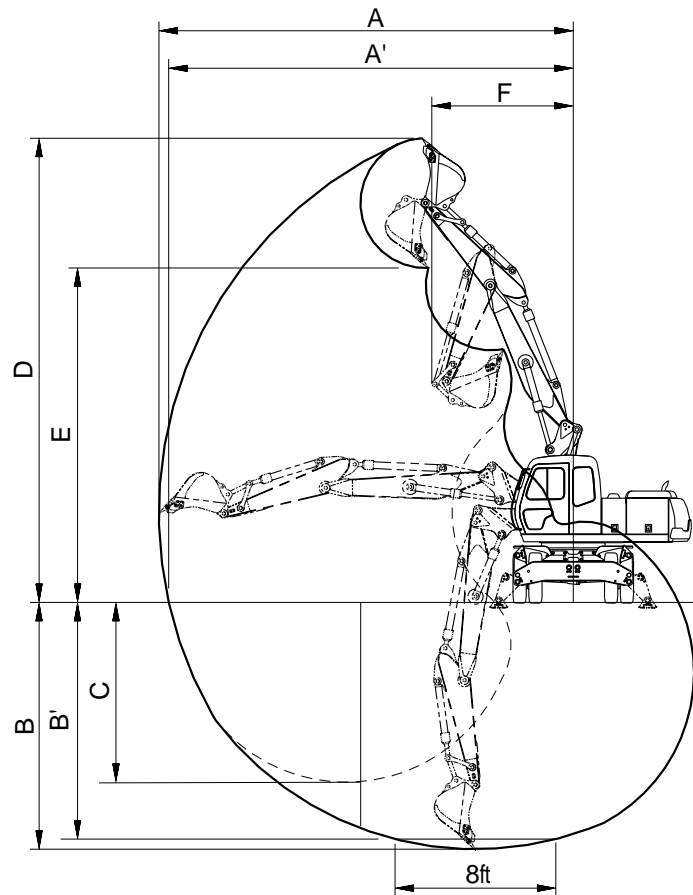
3. WORKING RANGE

1) 5.2m(17' 1") ONE PIECE BOOM



Description		1.85m(6' 1") Arm	2.2m(7' 3") Arm	2.6m(8' 6") Arm	3.2m(10' 6") Arm
Max. digging reach	A	8410mm(27' 7")	8740mm(28' 8")	9100mm(29' 10")	9690mm(31' 9")
Max. digging reach on ground	A'	8200mm(26' 11")	8540mm(28' 0")	8900mm(29' 2")	9510mm(31' 2")
Max. digging depth	B	5240mm(17' 2")	5590mm(18' 4")	5990mm(19' 8")	6590mm(21' 7")
Max. digging depth(8ft level)	B'	4950mm(16' 3")	5340mm(17' 6")	5760mm(18' 11")	6410mm(21' 0")
Max. vertical wall digging depth	C	4380mm(14' 4")	4900mm(16' 1")	5170mm(17' 0")	6120mm(20' 1")
Max. digging height	D	8610mm(28' 3")	8820mm(28' 11")	8990mm(29' 6")	9390mm(30' 10")
Max. dumping height	E	6020mm(19' 9")	5720mm(18' 9")	6390mm(21' 0")	6750mm(22' 2")
Min. swing radius	F	3510mm(11' 6")	3310mm(10' 10")	3310mm(10' 10")	3390mm(11' 1")
Bucket digging force		105.2KN	105.2KN	105.2KN	105.2KN
		10730kgf	10730kgf	10730kgf	10730kgf
		23650lbf	23650lbf	23650lbf	23650lbf
Arm crowd force		95.4KN	78.6KN	69.6KN	61.3KN
		9730kgf	8010kgf	7100kgf	6250kgf
		21450lbf	17660lbf	15650lbf	13780lbf

2) 5.0m(16' 5") TWO PIECE BOOM(CYL TYPE)



Description		1.85m(6' 1") Arm	2.2m(7' 3") Arm
Max. digging reach	A	8370mm(27' 6")	8680mm(28' 6")
Max. digging reach on ground	A'	8160mm(26' 9")	8480mm(27' 10")
Max. digging depth	B	4820mm(15' 10")	5180mm(17' 0")
Max. digging depth(8ft level)	B'	4700mm(15' 5")	5050mm(16' 7")
Max. digging depth of boom open	C	3430mm(11' 3")	3780mm(12' 5")
Max. digging height	D	9530mm(31' 3")	9720mm(31' 11")
Max. dumping height	E	6810mm(22' 4")	7000mm(23' 0")
Min. swing radius	F	3180mm(10' 5")	2960mm(9' 9")
Bucket digging force		105.2KN	105.2KN
		10730kgf	10730kgf
		23650lbf	23650lbf
Arm crowd force		95.4KN	78.6KN
		9730kgf	8010kgf
		21450lbf	17660lbf

4. WEIGHT











Item	R170W-3	
	kg	lb
Upperstructure assembly	4750	10470
Main frame weld assembly	1254	2760
Engine assembly	423	930
Main pump assembly	80	180
Main control valve assembly	135	300
Swing motor assembly	190	420
Hydraulic oil tank assembly	210	460
Fuel tank assembly	115	250
Counterweight	2700	5950
Cab assembly	275	610
Lower frame weld assembly	1622	3580
Swing bearing	260	570
Travel motor assembly	105	230
Turning joint	76	170
Transmission assembly	132	290
Front axle assembly	502	1110
Rear axle assembly	402	890
Dozer blade assembly	831	1830
Front attachment assembly(5.2m boom,2.6m arm, 0.7m ³ PCSA heaped bucket)	3000	6610
5.2m one piece boom assembly	1064	2350
5.0 two piece boom assembly	1534	3380
2.6m arm assembly	540	1190
0.7m ³ PCSA heaped bucket assembly	540	1190
Boom cylinder assembly	145	320
Arm cylinder assembly	183	400
Bucket cylinder assembly	135	300
Bucket control linkage assembly	145	320
2.2m arm assembly	469	1030
Oscillating cylinder assembly	30	70
Front outrigger assembly	1015	2240
Rear outrigger assembly	1005	2220
Two piece boom cylinder assembly	130	290
Two piece adjust cylinder assembly	110	240
Outrigger cylinder assembly	78	170
Blade cylinder assembly	62	140
Bucket rest weld assembly	112	250

5. LIFTING CAPACITIES

1) ROBEX 170W-3











(1) 5.20m(17' 1") boom, 2.20m(7' 3") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade up.

-  : 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)		Capacity		Reach
												m(ft)
7.5m (25ft)	kg lb									*3090 *6810	2980 6570	6.14 (20.1)
6.0m (20ft)	kg lb							*3070 *6770	2980 6570	*3090 *6810	2100 4630	7.36 (24.1)
4.5m (15ft)	kg lb					*4140 *9130	*4140 *9130	*3620 *7980	2910 6420	2790 6150	1720 3790	8.06 (26.4)
3.0m (10ft)	kg lb			*8750 *19290	8180 18030	*5300 *11680	4370 9630	*4110 *9060	2760 6080	2550 5620	1550 3420	8.38 (27.5)
1.5m (5ft)	kg lb					*6370 *14040	4030 8880	4260 9390	2600 5730	2510 5530	1510 3330	8.38 (27.5)
Ground Line	kg lb			*6690 *14750	*6690 *14750	6560 14460	3840 8470	4140 9130	2490 5490	2650 5840	1590 3510	8.05 (26.4)
-1.5m (-5ft)	kg lb	*6890 *15190	*6890 *15190	*10030 *22110	7350 16200	6510 14350	3800 8380	4100 9040	2460 5420	3070 6770	1860 4100	7.35 (24.1)
-3.0m (-10ft)	kg lb	*10560 *23280	*10560 *23280	*8510 *18760	7530 16600	*5900 *13010	3870 8530			*3340 *7360	2570 5670	6.13 (20.1)

- 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) 5.20m(17' 1") boom, 2.20m(7' 3") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade down.

Load point height		Load radius								At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
												m(ft)
7.5m (25ft)	kg lb									*3090 *6810	*3090 *6810	6.14 (20.1)
6.0m (20ft)	kg lb							*3070 *6770	*3070 *6770	*3090 *6810	2390 5270	7.36 (24.1)
4.5m (15ft)	kg lb					*4140 *9130	*4140 *9130	*3620 *7980	3300 7280	*3150 *6940	1970 4340	8.06 (26.4)
3.0m (10ft)	kg lb			*8750 *19290	*8750 *19290	*5300 *11680	5000 11020	*4110 *9060	3150 6940	*3250 *7170	1790 3950	8.38 (27.5)
1.5m (5ft)	kg lb					*6370 *14040	4640 10230	*4620 *10190	2990 6590	3350 7390	1740 3840	8.38 (27.5)
Ground Line	kg lb			*6690 *14750	*6690 *14750	*6890 *15190	4450 9810	*4930 *10870	2870 6330	*3460 *7630	1840 4060	8.05 (26.4)
-1.5m (-5ft)	kg lb	*6890 *15190	*6890 *15190	*10030 *22110	8730 19250	*6760 *14900	4400 9700	*4850 *10690	2840 6260	*3510 *7740	2150 4740	7.35 (24.1)
-3.0m (-10ft)	kg lb	*10560 *23280	*10560 *23280	*8510 *18760	*8510 *18760	*5900 *13010	4480 9880			*3340 *7360	2940 6480	6.13 (20.1)











(3) 5.20m(17' 1") boom, 2.20m(7' 3") arm equipped with 0.70m³(PCSA heaped) bucket and rear outrigger down.

Load point height		Load radius								At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
												m(ft)
7.5m (25ft)	kg lb									*3090 *6810	*3090 *6810	6.14 (20.1)
6.0m (20ft)	kg lb							*3070 *6770	*3070 *6770	*3090 *6810	*3090 *6810	7.36 (24.1)
4.5m (15ft)	kg lb					*4140 *9130	*4140 *9130	*3620 *7980	*3620 *7980	*3150 *6940	*3150 *6940	8.06 (26.4)
3.0m (10ft)	kg lb			*8750 *19290	*8750 *19290	*5300 *11680	*5300 *11680	*4110 *9060	*4110 *9060	*3250 *7170	2900 6390	8.38 (27.5)
1.5m (5ft)	kg lb					*6370 *14040	*6370 *14040	*4620 *10190	*4620 *10190	*3350 *7390	2860 6310	8.38 (27.5)
Ground Line	kg lb			*6690 *14750	*6690 *14750	*6890 *15190	*6890 *15190	*4930 *10870	4750 10470	*3460 *7630	3020 6660	8.05 (26.4)
-1.5m (-5ft)	kg lb	*6890 *15190	*6890 *15190	*10030 *22110	*10030 *22110	*6760 *14900	*6760 *14900	*4850 *10690	4710 10380	*3510 *7740	3500 7720	7.35 (24.1)
-3.0m (-10ft)	kg lb	*10560 *23280	*10560 *23280	*8510 *18760	*8510 *18760	*5900 *13010	*5900 *13010			*3340 *7360	*3340 *7360	6.13 (20.1)









(4) 5.20m(17' 1") boom, 2.20m(7' 3") arm equipped with 0.70m³(PCSA heaped) bucket and front outrigger, rear dozer blade down.

Load point height		Load radius								At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
												m(ft)
7.5m (25ft)	kg lb									*3090 *6810	*3090 *6810	6.14 (20.1)
6.0m (20ft)	kg lb							*3070 *6770	*3070 *6770	*3090 *6810	*3090 *6810	7.36 (24.1)
4.5m (15ft)	kg lb					*4140 *9130	*4140 *9130	*3620 *7980	*3620 *7980	*3150 *6940	*3150 *6940	8.06 (26.4)
3.0m (10ft)	kg lb			*8750 *19290	*8750 *19290	*5300 *11680	*5300 *11680	*4110 *9060	*4110 *9060	*3250 *7170	3060 6750	8.38 (27.5)
1.5m (5ft)	kg lb					*6370 *14040	*6370 *14040	*4620 *10190	*4620 *10190	*3350 *7390	3010 6640	8.38 (27.5)
Ground Line	kg lb			*6690 *14750	*6690 *14750	*6890 *15190	*6890 *15190	*4930 *10870	*4930 *10870	*3460 *7630	3180 7010	8.05 (26.4)
-1.5m (-5ft)	kg lb	*6890 *15190	*6890 *15190	*10030 *22110	*10030 *22110	*6760 *14900	*6760 *14900	*4850 *10690	*4850 *10690	*3510 *7740	*3510 *7740	7.35 (24.1)
-3.0m (-10ft)	kg lb	*10560 *23280	*10560 *23280	*8510 *18760	*8510 *18760	*5900 *13010	*5900 *13010			*3340 *7360	*3340 *7360	6.13 (20.1)









(5) 5.20m(17' 1") boom, 2.20m(7' 3") arm equipped with 0.70m³(PCSA heaped) bucket and 4 outrigger down.

Load point height		Load radius								At max. reach		
		1.5m(5ft)		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
												m(ft)
7.5m (25ft)	kg lb									*3090 *6810	*3090 *6810	6.14 (20.1)
6.0m (20ft)	kg lb							*3070 *6770	*3070 *6770	*3090 *6810	*3090 *6810	7.36 (24.1)
4.5m (15ft)	kg lb					*4140 *9130	*4140 *9130	*3620 *7980	*3620 *7980	*3150 *6940	*3150 *6940	8.06 (26.4)
3.0m (10ft)	kg lb			*8750 *19290	*8750 *19290	*5300 *11680	*5300 *11680	*4110 *9060	*4110 *9060	*3250 *7170	3090 6810	8.38 (27.5)
1.5m (5ft)	kg lb					*6370 *14040	*6370 *14040	*4620 *10190	*4620 *10190	*3350 *7390	3050 6720	8.38 (27.5)
Ground Line	kg lb			*6690 *14750	*6690 *14750	*6890 *15190	*6890 *15190	*4930 *10870	*4930 *10870	*3460 *7630	3220 7100	8.05 (26.4)
-1.5m (-5ft)	kg lb	*6890 *15190	*6890 *15190	*10030 *22110	*10030 *22110	*6760 *14900	*6760 *14900	*4850 *10690	*4850 *10690	*3510 *7740	*3510 *7740	7.35 (24.1)
-3.0m (-10ft)	kg lb	*10560 *23280	*10560 *23280	*8510 *18760	*8510 *18760	*5900 *13010	*5900 *13010			*3340 *7360	*3340 *7360	6.13 (20.1)









(6) 5.20m(17' 1") boom, 1.85m(6' 1") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade up.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
6.0m (20ft)	kg lb							*3280 *7230	2290 5050	6.97 (22.9)
4.5m (15ft)	kg lb			*4460 *9830	*4460 *9830	*3830 *8440	2850 6280	2980 6570	1840 4060	7.70 (25.3)
3.0m (10ft)	kg lb			*5590 *12320	4270 9410	*4270 *9410	2710 5970	2710 5970	1650 3640	8.04 (26.4)
1.5m (5ft)	kg lb			*6550 *14440	3950 8710	4210 9280	2560 5640	2660 5860	1600 3530	8.04 (26.4)
Ground Line	kg lb			6510 14350	3800 8380	4110 9060	2470 5450	2830 6240	1710 3770	7.70 (25.3)
-1.5m (-5ft)	kg lb	*9500 *20940	7380 16270	6500 14330	3790 8360	4100 9040	2460 5420	3340 7360	2030 4480	6.96 (22.8)
-3.0m (-10ft)	kg lb	*7800 *17200	7590 16730	*5500 *12130	3900 8600			*3300 *7280	2950 6500	5.62 (18.4)









(7) 5.20m(17' 1") boom, 1.85m(6' 1") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade down.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
6.0m (20ft)	kg lb							*3280 *7230	2600 5730	6.97 (22.9)
4.5m (15ft)	kg lb			*4460 *9830	*4460 *9830	*3830 *8440	3240 7140	*3330 *7340	2110 4650	7.70 (25.3)
3.0m (10ft)	kg lb			*5590 *12320	4900 10800	*4270 *9410	3090 6810	*3420 *7540	1900 4190	8.04 (26.4)
1.5m (5ft)	kg lb			*6550 *14440	4560 10050	*4720 *10410	2940 6480	*3520 *7760	1850 4080	8.04 (26.4)
Ground Line	kg lb			*6900 *15210	4410 9720	*4950 *10910	2850 6280	*3610 *7960	1970 4340	7.70 (25.3)
-1.5m (-5ft)	kg lb	*9500 *20940	8760 19310	*6600 *14550	4400 9700	*4720 *10410	2840 6260	*3630 *8000	2340 5160	6.96 (22.8)
-3.0m (-10ft)	kg lb	*7800 *17200	*7800 *17200	*5500 *12130	4510 9940			*3300 *7280	*3300 *7280	5.62 (18.4)









(8) 5.20m(17' 1") boom, 1.85m(6' 1") arm equipped with 0.70m³(PCSA heaped) bucket and rear outrigger down.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
6.0m (20ft)	kg lb							*3280 *7230	*3280 *7230	6.97 (22.9)
4.5m (15ft)	kg lb			*4460 *9830	*4460 *9830	*3830 *8440	*3830 *8440	*3330 *7340	*3330 *7340	7.70 (25.3)
3.0m (10ft)	kg lb			*5590 *12320	*5590 *12320	*4270 *9410	*4270 *9410	*3420 *7540	*3080 6790	8.04 (26.4)
1.5m (5ft)	kg lb			*6550 *14440	*6550 *14440	*4720 *10410	*4720 *10410	*3520 *7760	3040 *6700	8.04 (26.4)
Ground Line	kg lb			*6900 *15210	*6900 *15210	*4950 *10910	4720 10410	*3610 *7960	3230 7120	7.70 (25.3)
-1.5m (-5ft)	kg lb	*9500 *20940	*9500 *20940	*6600 *14550	*6600 *14550	*4720 *10410	4710 10380	*3630 *8000	*3630 *8000	6.96 (22.8)
-3.0m (-10ft)	kg lb	*7800 *17200	*7800 *17200	*5500 *12130	*5500 *12130			*3300 *7280	*3300 *7280	5.62 (18.4)













(9) 5.20m(17' 1") boom, 1.85m(6' 1") arm equipped with 0.70m³(PCSA heaped) bucket and front outrigger, rear dozer blade down.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
6.0m (20ft)	kg lb							*3280 *7230	*3280 *7230	6.97 (22.9)
4.5m (15ft)	kg lb			*4460 *9830	*4460 *9830	*3830 *8440	*3830 *8440	*3330 *7340	*3330 *7340	7.70 (25.3)
3.0m (10ft)	kg lb			*5590 *12320	*5590 *12320	*4270 *9410	*4270 *9410	*3420 *7540	3250 7170	8.04 (26.4)
1.5m (5ft)	kg lb			*6550 *14440	*6550 *14440	*4720 *10410	*4720 *10410	*3520 *7760	3200 7050	8.04 (26.4)
Ground Line	kg lb			*6900 *15210	*6900 *15210	*4950 *10910	*4950 *10910	*3610 *7960	3400 7500	7.70 (25.3)
-1.5m (-5ft)	kg lb	*9500 *20940	*9500 *20940	*6600 *14550	*6600 *14550	*4720 *10410	*4720 *10410	*3630 *8000	*3630 *8000	6.96 (22.8)
-3.0m (-10ft)	kg lb	*7800 *17200	*7800 *17200	*5500 *12130	*5500 *12130			*3300 *7280	*3300 *7280	5.62 (18.4)













(10) 5.20m(17' 1") boom, 1.85m(6' 1") arm equipped with 0.70m³(PCSA heaped) bucket and 4 outrigger down.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
6.0m (20ft)	kg lb							*3280 *7230	*3280 *7230	6.97 (22.9)
4.5m (15ft)	kg lb			*4460 *9830	*4460 *9830	*3830 *8440	*3830 *8440	*3330 *7340	*3330 *7340	7.70 (25.3)
3.0m (10ft)	kg lb			*5590 *12320	*5590 *12320	*4270 *9410	*4270 *9410	*3420 *7540	3280 7230	8.04 (26.4)
1.5m (5ft)	kg lb			*6550 *14440	*6550 *14440	*4720 *10410	*4720 *10410	*3520 *7760	3240 7140	8.04 (26.4)
Ground Line	kg lb			*6900 *15210	*6900 *15210	*4950 *10910	*4950 *10910	*3610 *7960	3440 7580	7.70 (25.3)
-1.5m (-5ft)	kg lb	*9500 *20940	*9500 *20940	*6600 *14550	*6600 *14550	*4720 *10410	*4720 *10410	*3630 *8000	*3630 *8000	6.96 (22.8)
-3.0m (-10ft)	kg lb	*7800 *17200	*7800 *17200	*5500 *12130	*5500 *12130			*3300 *7280	*3300 *7280	5.62 (18.4)













(11) 5.20m(17' 1") boom, 2.60m(8' 6") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade up.

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)
7.5m (25ft)	kg lb											*2810 *6190	2590 5710	6.65 (21.8)
6.0m (20ft)	kg lb							*2970 *6550	*2970 *6550			*2840 *6260	1890 4170	7.78 (25.5)
4.5m (15ft)	kg lb							*3310 *7300	2920 6440			2560 5640	1560 3440	8.43 (27.7)
3.0m (10ft)	kg lb			*7630 *16820	*7630 *16820	*4860 *10710	4410 9720	*3830 *8440	2750 6060	*2890 *6370	1840 4060	2350 5180	1400 3090	8.73 (28.6)
1.5m (5ft)	kg lb			*6240 *13760	*6240 *13760	*6040 *13320	4020 8860	4230 9330	2570 5670	2930 6460	1760 3380	2300 5070	1360 3000	8.73 (28.6)
Ground Line	kg lb			*7020 *15480	*7020 *15480	6510 14350	3790 8360	4090 9020	2440 5380	2860 6310	1700 3750	2420 5340	1430 3150	8.42 (27.6)
-1.5m (-5ft)	kg lb	*6340 *13980	*6340 *13980	*9720 *21430	7200 15870	6420 14150	3710 8180	4020 8860	2380 5250			2760 6080	1640 3620	7.77 (25.5)
-3.0m (-10ft)	kg lb	*9290 *20480	*9290 *20480	*9050 *19950	7340 16180	*6130 *13510	3750 8270	4060 8950	2420 5340			*3270 *7210	2180 4810	6.63 (21.8)
-4.5m (-15ft)	kg lb			*6480 *14290	*6480 *14290									













(12) 5.20m(17' 1") boom, 2.60m(8' 6") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade down.

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)
7.5m (25ft)	kg lb											*2810 *6190	*2810 *6190	6.65 (21.8)
6.0m (20ft)	kg lb							*2970 *6550	*2970 *6550			*2840 *6260	2150 4740	7.78 (25.5)
4.5m (15ft)	kg lb							*3310 *7300	3310 7300			*2910 *6420	1800 3970	8.43 (27.7)
3.0m (10ft)	kg lb			*7630 *16820	*7630 *16820	*4860 *10710	*4860 *10710	*3830 *8440	3140 6920	*2890 *6370	2120 4670	*3000 *6610	1630 3590	8.73 (28.6)
1.5m (5ft)	kg lb			*6240 *13760	*6240 *13760	*6040 *13320	4640 10230	*4400 *9700	2960 6530	*3590 *7910	2040 4500	3090 6810	1580 3480	8.73 (28.6)
Ground Line	kg lb			*7020 *15480	*7020 *15480	*6720 *14820	4400 9700	*4790 *10560	2820 6220	*3410 *7520	1970 4340	*3230 *7120	1660 3660	8.42 (27.6)
-1.5m (-5ft)	kg lb	*6340 *13980	*6340 *13980	*9720 *21430	8570 18890	*6760 *14900	4310 9500	*4840 *10670	2760 6080			*3320 *7320	1910 4210	7.77 (25.5)
-3.0m (-10ft)	kg lb	*9290 *20480	*9290 *20480	*9050 *19950	8720 19220	*6130 *13510	4360 9610	*4280 *9440	2800 6170			*3270 *7210	2520 5560	6.63 (21.8)
-4.5m (-15ft)	kg lb			*6480 *14290	*6480 *14290									













(13) 5.20m(17' 1") boom, 2.60m(8' 6") arm equipped with 0.70m³(PCSA heaped) bucket and rear outrigger down.

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)
7.5m (25ft)	kg lb											*2810 *6190	*2810 *6190	6.65 (21.8)
6.0m (20ft)	kg lb							*2970 *6550	*2970 *6550			*2840 *6260	*2840 *6260	7.78 (25.5)
4.5m (15ft)	kg lb							*3310 *7300	*3310 *7300			*2910 *6420	*2910 *6420	8.43 (27.7)
3.0m (10ft)	kg lb			*7630 *16820	*7630 *16820	*4860 *10710	*4860 *10710	*3830 *8440	*3830 *8440	*2890 *6370	*2890 *6370	*3000 *6610	2680 5910	8.73 (28.6)
1.5m (5ft)	kg lb			*6240 *13760	*6240 *13760	*6040 *13320	*6040 *13320	*4400 *9700	*4400 *9700	*3590 *7910	3350 7390	*3110 *6860	2630 5800	8.73 (28.6)
Ground Line	kg lb			*7020 *15480	*7020 *15480	*6720 *14820	*6720 *14820	*4790 *10560	4700 10360	*3410 *7520	3280 7230	*3230 *7120	2770 6110	8.42 (27.6)
-1.5m (-5ft)	kg lb	*6340 *13980	*6340 *13980	*9720 *21430	*9720 *21430	*6760 *14900	*6760 *14900	*4840 *10670	4630 10210			*3320 *7320	3150 6940	7.77 (25.5)
-3.0m (-10ft)	kg lb	*9290 *20480	*9290 *20480	*9050 *19950	*9050 *19950	*6130 *13510	*6130 *13510	*4280 *9440	*4280 *9440			*3270 *7210	*3270 *7210	6.63 (21.8)
-4.5m (-15ft)	kg lb			*6480 *14290	*6480 *14290									













(14) 5.20m(17' 1") boom, 2.60m(8' 6") arm equipped with 0.70m³(PCSA heaped) bucket and front outrigger, rear dozer blade down.

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)
7.5m (25ft)	kg lb											*3090 *6810	*3090 *6810	6.65 (21.8)
6.0m (20ft)	kg lb							*3110 *6860	*3110 *6860			*3130 *6900	*3130 *6900	7.78 (25.5)
4.5m (15ft)	kg lb							*3650 *8050	*3650 *8050			*3220 *7100	*3220 *7100	8.43 (27.7)
3.0m (10ft)	kg lb			*8200 *18080	*8200 *18080	*5290 *11660	*5290 *11660	*4210 *9280	*4210 *9280	*3050 *6720	*3050 *6720	*3330 *7340	3080 6790	8.73 (28.6)
1.5m (5ft)	kg lb			*6150 *13560	*6150 *13560	*6550 *14440	*6550 *14440	*4820 *10630	*4820 *10630	*3790 *8360	*3790 *8360	*3450 *7610	3040 6700	8.73 (28.6)
Ground Line	kg lb			*6910 *15230	*6910 *15230	*7280 *16050	*7280 *16050	*5240 *11550	*5240 *11550	*3590 *7910	*3590 *7910	*3570 *7870	3180 7070	8.42 (27.6)
-1.5m (-5ft)	kg lb	*6210 *13690	*6210 *13690	*9620 *21210	*9620 *21210	*7330 *16160	*7330 *16160	*5300 *11680	5260 11600			*3660 *8070	3590 7910	7.77 (25.5)
-3.0m (-10ft)	kg lb	*9170 *20220	*9170 *20220	*9760 *21520	*9760 *21520	*6670 *14700	*6670 *14700	*4710 *10380	*4710 *10380			*3620 *7980	*3620 *7980	6.63 (21.8)
-4.5m (-15ft)	kg lb			*7100 *15650	*7100 *15650									













(15) 5.20m(17' 1") boom, 2.60m(8' 6") arm equipped with 0.70m³(PCSA heaped) bucket and 4 outrigger down.

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)
7.5m (25ft)	kg lb											*3090 *6810	*3090 *6810	6.65 (21.8)
6.0m (20ft)	kg lb							*3110 *6860	*3110 *6860			*3130 *6900	*3130 *6900	7.78 (25.5)
4.5m (15ft)	kg lb							*3650 *8050	*3650 *8050			*3220 *7100	*3220 *7100	8.43 (27.7)
3.0m (10ft)	kg lb			*8200 *18080	*8200 *18080	*5290 *11660	*5290 *11660	*4210 *9280	*4210 *9280	*3050 *6720	*3050 *6720	*3330 *7340	3110 6860	8.73 (28.6)
1.5m (5ft)	kg lb			*6150 *13560	*6150 *13560	*6550 *14440	*6550 *14440	*4820 *10630	*4820 *10630	*3790 *8360	*3790 *8360	*3450 *7610	3070 6770	8.73 (28.6)
Ground Line	kg lb			*6910 *15230	*6910 *15230	*7280 *16050	*7280 *16050	*5240 *11550	*5240 *11550	*3590 *7910	*3590 *7910	*3570 *7870	3220 7070	8.42 (27.6)
-1.5m (-5ft)	kg lb	*6210 *13690	*6210 *13690	*9620 *21210	*9620 *21210	*7330 *16160	*7330 *16160	*5300 *11680	*5300 11680			*3660 *8070	3630 8000	7.77 (25.5)
-3.0m (-10ft)	kg lb	*9170 *20220	*9170 *20220	*9760 *21520	*9760 *21520	*6670 *14700	*6670 *14700	*4710 *10380	*4710 *10380			*3620 *7980	*3620 *7980	6.63 (21.8)
-4.5m (-15ft)	kg lb			*7100 *15650	*7100 *15650									













(16) 5.20m(17' 1") boom, 3.20m(10' 6") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade up.

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											*2510 *5530	1580 3480	8.45 (27.7)
4.5m (15ft)	kg lb							*2830 *6240	*2830 *6240	*2390 *5270	1910 4210	2230 4920	1320 2910	9.04 (29.7)
3.0m (10ft)	kg lb					*4160 *9170	*4160 *9170	*3400 *7500	2770 6110	*3010 *6640	1830 4030	2050 4520	1190 2620	9.33 (30.6)
1.5m (5ft)	kg lb			*8800 *19400	7740 17060	*5470 *12060	4090 9020	*4040 *8910	2570 5670	2910 6420	1730 3810	2010 4430	1150 2540	9.32 (30.6)
Ground Line	kg lb			*7130 *15720	*7130 *15720	*6390 *14090	3780 8330	4060 8950	2410 5310	2820 6220	1650 3640	2100 4630	1200 2650	9.04 (29.7)
-1.5m (-5ft)	kg lb	*5460 *12040	*5460 *12040	*8770 *19330	7060 15560	6350 14000	3640 8020	3950 8710	2310 5090	2770 6110	1600 3530	2350 5180	1360 3000	8.44 (27.7)
-3.0m (-10ft)	kg lb	*7800 *17200	*7800 *17200	*9750 *21500	7130 15720	6330 13960	3630 8000	3940 8690	2300 5070			2920 6440	1730 3810	7.43 (24.4)
-4.5m (-15ft)	kg lb	*11000 *24250	*11000 *24250	*7810 *17220	7370 16250	*5210 *11490	3750 8270					*2770 *6110	2770 6110	5.75 (18.9)













(17) 5.20m(17' 1") boom, 3.20m(10' 6") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade down.

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											*2510 *5530	1820 4010	8.45 (27.7)
4.5m (15ft)	kg lb							*2830 *6240	*2830 *6240	*2390 *5270	2200 4850	*2580 *5690	1540 3400	9.04 (29.7)
3.0m (10ft)	kg lb					*4160 *9170	*4160 *9170	*3400 *7500	3170 6990	*3010 *6640	2110 4650	*2670 *5890	1400 3090	9.33 (30.6)
1.5m (5ft)	kg lb			*8800 *19400	*8800 *19400	*5470 *12060	4710 10380	*4040 *8910	2960 6530	*3330 *7340	2010 4430	2730 6020	1360 3000	9.32 (30.6)
Ground Line	kg lb			*7130 *15720	*7130 *15720	*6390 *14090	4390 9680	*4550 *10030	2790 6150	*3580 *7890	1920 4230	2840 6260	1410 3110	9.04 (29.7)
-1.5m (-5ft)	kg lb	*5460 *12040	*5460 *12040	*8770 *19330	8430 18580	*6720 *14820	4240 9350	*4780 *10540	2690 5930	*3610 *7960	1880 4140	*2990 *6590	1590 3510	8.44 (27.7)
-3.0m (-10ft)	kg lb	*7800 *17200	*7800 *17200	*9750 *21500	8500 18740	*6400 *14110	4230 9330	*4540 *10010	2680 5910			*3030 *6680	2010 4430	7.43 (24.4)
-4.5m (-15ft)	kg lb	*11000 *24250	*11000 *24250	*7810 *17220	*7810 *17220	*5210 *11490	4360 9610					*2770 *6110	*2770 *6110	5.75 (18.9)













(18) 5.20m(17' 1") boom, 3.20m(10' 6") arm equipped with 0.70m³(PCSA heaped) bucket and rear outrigger down.

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											*2510 *5530	*2510 *5530	8.45 (27.7)
4.5m (15ft)	kg lb							*2830 *6240	*2830 *6240	*2390 *5270	*2390 *5270	*2580 *5690	2540 5600	9.04 (29.7)
3.0m (10ft)	kg lb					*4160 *9170	*4160 *9170	*3400 *7500	*3400 *7500	*3010 *6640	*3010 *6640	*2670 *5890	2360 5200	9.33 (30.6)
1.5m (5ft)	kg lb			*8800 *19400	*8800 *19400	*5470 *12060	*5470 *12060	*4040 *8910	*4040 *8910	*3330 *7340	*3330 *7340	*2780 *6130	2310 5090	9.32 (30.6)
Ground Line	kg lb			*7130 *15720	*7130 *15720	*6390 *14090	*6390 *14090	*4550 *10030	*4550 *10030	*3580 *7890	3240 7140	*2890 *6370	2410 5310	9.04 (29.7)
-1.5m (-5ft)	kg lb	*5460 *12040	*5460 *12040	*8770 *19330	*8770 *19330	*6720 *14820	*6720 *14820	*4780 *10540	4560 10050	*3610 *7960	3190 7030	*2990 *6590	2700 5950	8.44 (27.7)
-3.0m (-10ft)	kg lb	*7800 *17200	*7800 *17200	*9750 *21500	*9750 *21500	*6400 *14110	*6400 *14110	*4540 *10010	*4540 *10010			*3030 *6680	*3030 *6680	7.43 (24.4)
-4.5m (-15ft)	kg lb	*11000 *24250	*11000 *24250	*7810 *17220	*7810 *17220	*5210 *11490	*5210 *11490					*2770 *6110	*2770 *6110	5.75 (18.9)









(19) 5.20m(17' 1") boom, 3.20m(10' 6") arm equipped with 0.70m³(PCSA heaped) bucket and front outrigger, rear dozer blade down.

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											*2510 *5530	*2510 *5530	8.45 (27.7)
4.5m (15ft)	kg lb							*2830 *6240	*2830 *6240	*2390 *5270	*2390 *5270	*2580 *5690	*2580 *5690	9.04 (29.7)
3.0m (10ft)	kg lb					*4160 *9170	*4160 *9170	*3400 *7500	*3400 *7500	*3010 *6640	*3010 *6640	*2670 *5890	2490 5490	9.33 (30.6)
1.5m (5ft)	kg lb			*8800 *19400	*8800 *19400	*5470 *12060	*5470 *12060	*4040 *8910	*4040 *8910	*3330 *7340	*3330 *7340	*2780 *6130	2450 5400	9.32 (30.6)
Ground Line	kg lb			*7130 *15720	*7130 *15720	*6390 *14090	*6390 *14090	*4550 *10030	*4550 *10030	*3580 *7890	3410 7520	*2890 *6370	2550 5620	9.04 (29.7)
-1.5m (-5ft)	kg lb	*5460 *12040	*5460 *12040	*8770 *19330	*8770 *19330	*6720 *14820	*6720 *14820	*4780 *10540	*4780 *10540	*3610 *7960	3360 7410	*2990 *6590	2850 6280	8.44 (27.7)
-3.0m (-10ft)	kg lb	*7800 *17200	*7800 *17200	*9750 *21500	*9750 *21500	*6400 *14110	*6400 *14110	*4540 *10010	*4540 *10010			*3030 *6680	*3030 *6680	7.43 (24.4)
-4.5m (-15ft)	kg lb	*11000 *24250	*11000 *24250	*7810 *17220	*7810 *17220	*5210 *11490	*5210 *11490					*2770 *6110	*2770 *6110	5.75 (18.9)









(20) 5.20m(17' 1") boom, 3.20m(10' 6") arm equipped with 0.70m³(PCSA heaped) bucket and 4 outrigger down.

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											*2510 *5530	*2510 *5530	8.45 (27.7)
4.5m (15ft)	kg lb							*2830 *6240	*2830 *6240	*2390 *5270	*2390 *5270	*2580 *5690	*2580 *5690	9.04 (29.7)
3.0m (10ft)	kg lb					*4160 *9170	*4160 *9170	*3400 *7500	*3400 *7500	*3010 *6640	*3010 *6640	*2670 *5890	2520 5560	9.33 (30.6)
1.5m (5ft)	kg lb			*8800 *19400	*8800 *19400	*5470 *12060	*5470 *12060	*4040 *8910	*4040 *8910	*3330 *7340	*3330 *7340	*2780 *6130	2480 2470	9.32 (30.6)
Ground Line	kg lb			*7130 *15720	*7130 *15720	*6390 *14090	*6390 *14090	*4550 *10030	*4550 *10030	*3580 *7890	3450 7610	*2890 *6370	2580 5690	9.04 (29.7)
-1.5m (-5ft)	kg lb	*5460 *12040	*5460 *12040	*8770 *19330	*8770 *19330	*6720 *14820	*6720 *14820	*4780 *10540	*4780 *10540	*3610 *7960	3400 7500	*2990 *6590	2880 6350	8.44 (27.7)
-3.0m (-10ft)	kg lb	*7800 *17200	*7800 *17200	*9750 *21500	*9750 *21500	*6400 *14110	*6400 *14110	*4540 *10010	*4540 *10010			*3030 *6680	*3030 *6680	7.43 (24.4)
-4.5m (-15ft)	kg lb	*11000 *24250	*11000 *24250	*7810 *17220	*7810 *17220	*5210 *11490	*5210 *11490					*2770 *6110	*2770 *6110	5.75 (18.9)









(21) 5.0m(16' 5") two piece boom(cyl type), 2.20m(7' 3") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade up.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
7.5m (25ft)	kg lb			*3450 *7610	*3450 *7610			*3100 *6830	2990 6590	6.04 (19.8)
6.0m (20ft)	kg lb			*3290 *7250	*3290 *7250	*3300 *7280	2920 6440	*3050 *6720	2090 4610	7.28 (23.9)
4.5m (15ft)	kg lb			*3880 *8550	*3880 *8550	*3460 *7630	2870 6330	*2730 *6020	1700 3750	7.99 (26.2)
3.0m (10ft)	kg lb			*4940 *10890	4360 9610	*3780 *8330	2730 6020	2570 5670	1540 3400	8.31 (27.3)
1.5m (5ft)	kg lb			*5370 *11840	4000 8820	*3830 *8440	2570 5670	2540 5600	1500 3310	8.31 (27.3)
Ground Line	kg lb	*6220 *13710	*6220 *13710	*5460 *12040	3800 8380	*3880 *8550	2460 5420	2700 5950	1610 3550	7.98 (26.2)
-1.5m (-5ft)	kg lb	*8890 *19600	7320 16140	*5530 *12190	3770 8310	*3930 *8660	2440 5380			









(22) 5.0m(16' 5") two piece boom(cyl type), 2.20m(7' 3") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade down.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
10.5m (35ft)	kg lb							*2730 *6020	*2730 *6020	5.40 (17.7)
7.5m (25ft)	kg lb			*3450 *7610	*3450 *7610			*3100 *6830	*3100 *6830	6.04 (19.8)
6.0m (20ft)	kg lb			*3290 *7250	*3290 *7250	*3300 *7280	*3300 *7280	*3050 *6720	2380 5250	7.28 (23.9)
4.5m (15ft)	kg lb			*3880 *8550	*3880 *8550	*3460 *7630	3270 7210	*2730 *6020	1960 4320	7.99 (26.2)
3.0m (10ft)	kg lb			*4940 *10890	*4940 *10890	*3780 *8330	3120 6880	*2610 *5750	1780 3920	8.31 (27.3)
1.5m (5ft)	kg lb			*5370 *11840	4620 10190	*3830 *8440	2960 6530	*2630 *5800	1750 3860	8.31 (27.3)
Ground Line	kg lb	*6220 *13710	*6220 *13710	*5460 *12040	4420 9740	*3880 *8550	2850 6280	*2790 *6150	1870 4120	7.98 (26.2)
-1.5m (-5ft)	kg lb	*8890 *19600	8720 19220	*5530 *12190	4390 9680	*3930 *8660	2830 6240			









(23) 5.0m(16' 5") two piece boom(cyl type), 2.20m(7' 3") arm equipped with 0.70m³(PCSA heaped) bucket and rear outrigger down.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
10.5m (35ft)	kg lb							*2730 *6020	*2730 *6020	5.40 (17.7)
7.5m (25ft)	kg lb			*3450 *7610	*3450 *7610			*3100 *6830	*3100 *6830	6.04 (19.8)
6.0m (20ft)	kg lb			*3290 *7250	*3290 *7250	*3300 *7280	*3300 *7280	*3050 *6720	*3050 *6720	7.28 (23.9)
4.5m (15ft)	kg lb			*3880 *8550	*3880 *8550	*3460 *7630	*3460 *7630	*2730 *6020	*2730 *6020	7.99 (26.2)
3.0m (10ft)	kg lb			*4940 *10890	*4940 *10890	*3780 *8330	*3780 *8330	*2610 *5750	*2610 *5750	8.31 (27.3)
1.5m (5ft)	kg lb			*5370 *11840	*5370 *11840	*3830 *8440	*3830 *8440	*2630 *5800	*2630 *5800	8.31 (27.3)
Ground Line	kg lb	*6220 *13710	*6220 *13710	*5460 *12040	*5460 *12040	*3880 *8550	*3880 *8550	*2790 *6150	*2790 *6150	7.98 (26.2)
-1.5m (-5ft)	kg lb	*8890 *19600	*8890 *19600	*5530 *12190	*5530 *12190	*3930 *8660	*3930 *8660			









(24) 5.0m(16' 5") two piece boom(cyl type), 2.20m(7' 3") arm equipped with 0.70m³(PCSA heaped) bucket and front outrigger, rear dozer blade down.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
10.5m (35ft)	kg lb							*2730 *6020	*2730 *6020	5.40 (17.7)
7.5m (25ft)	kg lb			*3450 *7610	*3450 *7610			*3100 *6830	*3100 *6830	6.04 (19.8)
6.0m (20ft)	kg lb			*3290 *7250	*3290 *7250	*3300 *7280	*3300 *7280	*3050 *6720	*3050 *6720	7.28 (23.9)
4.5m (15ft)	kg lb			*3880 *8550	*3880 *8550	*3460 *7630	*3460 *7630	*2730 *6020	*2730 *6020	7.99 (26.2)
3.0m (10ft)	kg lb			*4940 *10890	*4940 *10890	*3780 *8330	*3780 *8330	*2610 *5750	*2610 *5750	8.31 (27.3)
1.5m (5ft)	kg lb			*5370 *11840	*5370 *11840	*3830 *8440	*3830 *8440	*2630 *5800	*2630 *5800	8.31 (27.3)
Ground Line	kg lb	*6220 *13710	*6220 *13710	*5460 *12040	*5460 *12040	*3880 *8550	*3880 *8550	*2790 *6150	*2790 *6150	7.98 (26.2)
-1.5m (-5ft)	kg lb	*8890 *19600	*8890 *19600	*5530 *12190	*5530 *12190	*3930 *8660	*3930 *8660			









(25) 5.0m(16' 5") two piece boom(cyl type), 2.20m(7' 3") arm equipped with 0.70m³(PCSA heaped) bucket and 4 outrigger down.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
7.5m (25ft)	kg lb			*3450 *7610	*3450 *7610			*3100 *6830	*3100 *6830	6.04 (19.8)
6.0m (20ft)	kg lb			*3290 *7250	*3290 *7250	*3300 *7280	*3300 *7280	*3050 *6720	*3050 *6720	7.28 (23.9)
4.5m (15ft)	kg lb			*3880 *8550	*3880 *8550	*3460 *7630	*3460 *7630	*2730 *6020	*2730 *6020	7.99 (26.2)
3.0m (10ft)	kg lb			*4940 *10890	*4940 *10890	*3780 *8330	*3780 *8330	*2610 *5750	*2610 *5750	8.31 (27.3)
1.5m (5ft)	kg lb			*5370 *11840	*5370 *11840	*3830 *8440	*3830 *8440	*2630 *5800	*2630 *5800	8.31 (27.3)
Ground Line	kg lb	*6220 *13710	*6220 *13710	*5460 *12040	*5460 *12040	*3880 *8550	*3880 *8550	*2790 *6150	*2790 *6150	7.98 (26.2)
-1.5m (-5ft)	kg lb	*8890 *19600	*8890 *19600	*5530 *12190	*5530 *12190	*3930 *8660	*3930 *8660			









(26) 5.0m(16' 5") two piece boom(cyl type), 1.85m(6' 1") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade up.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
7.5m (25ft)	kg lb							*3320 *7320	*3320 *7320	5.52 (18.1)
6.0m (20ft)	kg lb			*3620 *7980	*3620 *7980			*3230 *7120	2290 5050	6.88 (22.6)
4.5m (15ft)	kg lb	*5510 *12150	*5510 *12150	*4190 *9240	*4190 *9240	*3680 *8110	2800 6170	*2900 *6390	1830 4030	7.62 (25.0)
3.0m (10ft)	kg lb			*5230 *11530	4250 9370	*3790 *8360	2670 5890	2740 6040	1640 3620	7.96 (26.1)
1.5m (5ft)	kg lb			*5380 *11860	3920 8640	*3840 *8470	2530 5580	2700 5950	1600 3530	7.96 (26.1)
Ground Line	kg lb			*5470 *12060	3770 8310	*3890 *8580	2440 5380	2900 6390	1730 3810	7.62 (25.0)
-1.5m (-5ft)	kg lb			*5530 *12190	3770 8310	*3940 *8690	2450 5400			









(27) 5.0m(16' 5") two piece boom(cyl type), 1.85m(6' 1") arm equipped with 0.70m³(PCSA heaped) bucket and rear dozer blade down.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
7.5m (25ft)	kg lb							*3320 *7320	*3320 *7320	5.52 (18.1)
6.0m (20ft)	kg lb			*3620 *7980	*3620 *7980			*3230 *7120	2610 5750	6.88 (22.6)
4.5m (15ft)	kg lb	*5510 *12150	*5510 *12150	*4190 *9240	*4190 *9240	*3680 *8110	3200 7050	*2900 *6390	2110 4650	7.62 (25.0)
3.0m (10ft)	kg lb			*5230 *11530	4890 10780	*3790 *8360	3060 6750	*2750 *6060	1900 4190	7.96 (26.1)
1.5m (5ft)	kg lb			*5380 *11860	4540 10010	*3840 *8470	2920 6440	*2770 *6110	1860 4100	7.96 (26.1)
Ground Line	kg lb			*5470 *12060	4390 9680	*3890 *8580	2830 6240	*2970 *6550	2000 4410	7.62 (25.0)
-1.5m (-5ft)	kg lb			*5530 *12190	4390 9680	*3940 *8690	2840 6260			

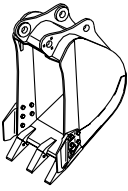
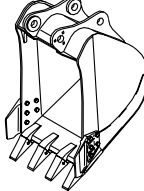
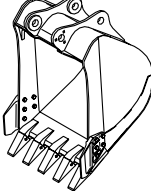
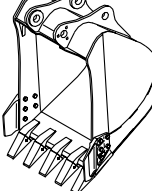
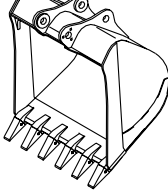
(28) 5.0m(16' 5") two piece boom(cyl type), 1.85m(6' 1") arm equipped with 0.70m³(PCSA heaped) bucket and front outrigger, rear dozer blade down.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
7.5m (25ft)	kg lb							*3320 *7320	*3320 *7320	5.52 (18.1)
6.0m (20ft)	kg lb			*3620 *7980	*3620 *7980			*3230 *7120	*3230 *7120	6.88 (22.6)
4.5m (15ft)	kg lb	*5510 *12150	*5510 *12150	*4190 *9240	*4190 *9240	*3680 *8110	*3680 *8110	*2900 *6390	*2900 *6390	7.62 (25.0)
3.0m (10ft)	kg lb			*5230 *11530	*5230 *11530	*3790 *8360	*3790 *8360	*2750 *6060	*2750 *6060	7.96 (26.1)
1.5m (5ft)	kg lb			*5380 *11860	*5380 *11860	*3840 *8470	*3840 *8470	*2770 *6110	*2770 *6110	7.96 (26.1)
Ground Line	kg lb			*5470 *12060	*5470 *12060	*3890 *8580	*3890 *8580	*2970 *6550	*2970 *6550	7.62 (25.0)
-1.5m (-5ft)	kg lb			*5530 *12190	*5530 *12190	*3940 *8690	*3940 *8690			

(29) 5.0m(16' 5") two piece boom(cyl type), 1.85m(6' 1") arm equipped with 0.70m³(PCSA heaped) bucket and 4 outrigger down.

Load point height		Load radius						At max. reach		
		3.0m(10ft)		4.5m(15ft)		6.0m(20ft)		Capacity		Reach
										m(ft)
7.5m (25ft)	kg lb							*3320 *7320	*3320 *7320	5.52 (18.1)
6.0m (20ft)	kg lb			*3620 *7980	*3620 *7980			*3230 *7120	*3230 *7120	6.88 (22.6)
4.5m (15ft)	kg lb	*5510 *12150	*5510 *12150	*4190 *9240	*4190 *9240	*3680 *8110	*3680 *8110	*2900 *6390	*2900 *6390	7.62 (25.0)
3.0m (10ft)	kg lb			*5230 *11530	*5230 *11530	*3790 *8360	*3790 *8360	*2750 *6060	*2750 *6060	7.96 (26.1)
1.5m (5ft)	kg lb			*5380 *11860	*5380 *11860	*3840 *8470	*3840 *8470	*2770 *6110	*2770 *6110	7.96 (26.1)
Ground Line	kg lb			*5470 *12060	*5470 *12060	*3890 *8580	*3890 *8580	*2970 *6550	*2970 *6550	7.62 (25.0)
-1.5m (-5ft)	kg lb			*5530 *12190	*5530 *12190	*3940 *8690	*3940 *8690			


6. BUCKET SELECTION GUIDE


				
0.45m³ PCSA heaped bucket	0.57m³ PCSA heaped bucket	0.70m³ PCSA heaped bucket	0.80m³ PCSA heaped bucket	1.03m³ PCSA heaped bucket


Capacity		Width		Weight	Recommendation					
					5.2m (17' 1") one piece boom				*5.0m (16' 5") boom	
PCSA heaped	CECE heaped	Without side cutter	With side cutter		1.85m arm (6' 1")	2.2m arm (7' 3")	2.6m arm (8' 6")	3.2m arm (10' 6")	1.85m arm (6' 1")	2.2m arm (7' 3")
0.45m³ (0.59yd³)	0.35m³ (0.46yd³)	620mm (24.4")	740mm (29.1")	410kg (900lb)						
0.57m³ (0.75yd³)	0.50m³ (0.65yd³)	840mm (33.1")	960mm (37.8")	490kg (1080lb)						
※ 0.70m³ (0.92yd³)	0.60m³ (0.78yd³)	990mm (39.0")	1110mm (43.7")	540kg (1190lb)						
0.80m³ (1.05yd³)	0.70m³ (0.92yd³)	1080mm (42.5")	1200mm (47.2")	570kg (1260lb)						
1.03m³ (1.35yd³)	0.90m³ (1.18yd³)	1400mm (55.1")	1520mm (59.8")	650kg (1430lb)						

※ : Standard bucket

* : Two piece boom

 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

7. SPECIFICATIONS FRO MAJOR COMPONENTS

1) ENGINE

Item		Specification
Model		Cummins 6BT5.9-C
Type		4-cycle turbocharged diesel engine
Cooling method		Water cooling
Number of cylinders and arrangement		6 cylinders, in-line
Firing order		1-5-3-6-2-4
Combustion chamber type		Direct injection type
Cylinder bore × stroke		102 × 120mm(4.02" × 4.72")
Piston displacement		5880cc(359cu in)
Compression ratio		17.5 : 1
Rated gross horse power		126Hp at 2100rpm(94kw at 2100rpm)
Maximum torque at 1300rpm		53kgf · m(383lb · ft)
Engine oil quantity		11 l (2.9U.S. gal)
Dry weight		399kg(880lb)
High idling speed		2250+50rpm
Low idling speed		800 ± 100rpm
Rated fuel consumption		158g/Hp · hr
Starting motor		Delco Remy 37MT(24V)
Alternator		DAC HC60(24V-60Amp)
Battery		2 × 12V × 160Ah

2) MAIN PUMP

Item		Specification
Type		Variable displacement bent axis piston pump
Capacity		2 × 80cc/rev
Pressure	Rated	320kg/cm ² (4550psi)
	Maximum(power boost)	350kg/cm ² (4978psi)
Rated oil flow		2 × 165 l /min(43.6U.S. gpm/ 36.3U.K. gpm)
Rated speed		2100rpm(clockwise viewed from shaft end)

3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	11.4cc/rev
Maximum pressure	$40^{+2}_0 \text{ kg/cm}^2 (570 \text{ psi})$
Rated oil flow	30 l /min(7.93U.S. gpm/6.6U.K. gpm)

4) MAIN CONTROL VALVE

Item	Specification
Type	9 spool
Operating method	Hydraulic pilot system
Main relief valve pressure	$320 \text{ kg/cm}^2 (4550 \text{ psi}) / [350 \text{ kg/cm}^2 (4980 \text{ psi})]$
Overload relief valve pressure	$380 \text{ kg/cm}^2 (5400 \text{ psi})$

[] : Power boost

5) SWING MOTOR

Item	Specification
Type	Fixed displacement axial piston motor
Capacity	151cc/rev
Relief pressure	$240 \text{ kg/cm}^2 (3410 \text{ psi})$
Braking system	Automatic, spring applied hydraulic released
Braking torque	$27 \text{ kg} \cdot \text{m} (195 \text{ lb} \cdot \text{ft})$
Brake release pressure	$20 \sim 50 \text{ kg/cm}^2 (285 \sim 710 \text{ psi})$
Reduction gear type	2 - stage planetary
Swing speed	11.5rpm

6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement bent-axis axial piston motor
Capacity(max/min)	105cc/rev
Relief pressure	$420 \text{ kg/cm}^2 (5977 \text{ psi})$
Counter balance valve	Applied

7) POWER TRAIN

Item	Description		Specification
Transmission	Type		2 speed power shift transmission
	Gear ratio	1st	5.35
		2nd	1.39
Parking brake	Type		Multi disc brake integrated in transmission
	Maximum braking power		168kgf · m(2390lb · ft)
Axle	Type		4 wheel drive with differential
	Gear ratio		19.62
	Brake		Multi disc brake

8) REMOTE CONTROL VALVE

Item		Specification
Type		Pressure reducing type
Operating pressure	Minimum	5kg/cm ² (71psi)
	Maximum	20kg/cm ² (284psi)
Single operation stroke	Lever	61mm(2.4in)

9) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	ø 115 × ø 80 × 1090mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	ø 120 × ø 85 × 1320mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	ø 115 × ø 80 × 950mm
	Cushion	Extend only
Dozer cylinder	Bore dia × Rod dia × Stroke	ø 110 × ø 75 × 235mm
	Cushion	Extend only
Outrigger cylinder	Bore dia × Rod dia × Stroke	ø 125 × ø 75 × 475mm
	Cushion	-
2 piece boom cylinder	Bore dia × Rod dia × Stroke	ø 115 × ø 80 × 935mm
	Cushion	-
2 piece adjust cylinder	Bore dia × Rod dia × Stroke	ø 115 × ø 80 × 710mm
	Cushion	-
2 piece arm cylinder	Bore dia × Rod dia × Stroke	ø 120 × ø 85 × 1320mm
	Cushion	Extend and retract

10) BUCKET

Item	Capacity		Tooth quantity	Width	
	PCSA heaped	CECE heaped		Without side cutter	With side cutter
Standard	0.70m ³ (0.92yd ³)	0.6m ³ (0.78yd ³)	5	990mm(39.0")	1110mm(43.7")
Option	0.45m ³ (0.59yd ³)	0.35m ³ (0.46yd ³)	3	620mm(24.4")	740mm(29.1")
	0.57m ³ (0.75yd ³)	0.5m ³ (0.65yd ³)	4	840mm(33.1")	960mm(37.8")
	0.80m ³ (1.05yd ³)	0.7m ³ (0.92yd ³)	5	1080mm(42.5")	1200mm(47.2")
	1.03m ³ (1.35yd ³)	0.9m ³ (1.18yd ³)	6	1400mm(55.1")	

8. 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	16.4(4.3)				SAE 30			
			SAE 10W						
Transmission case		3.8(1.0)	SAE 10W-30						
			SAE 15W-40						
Swing drive	Gear oil	5.0(1.3)				SAE 85W-140			
Final drive		4.4 × 2(1.2 × 2)							
Front axle	Gear oil	8.5(2.2)				SAE 85W-90			
Rear axle		10.0(2.6)							
Hydraulic tank	Hydraulic oil	Tank: 200(52.8) System: 257(68)	ISO VG 32						
						ISO VG 46			
						ISO VG 68			
Fuel tank	Diesel fuel	250(66.1)	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.