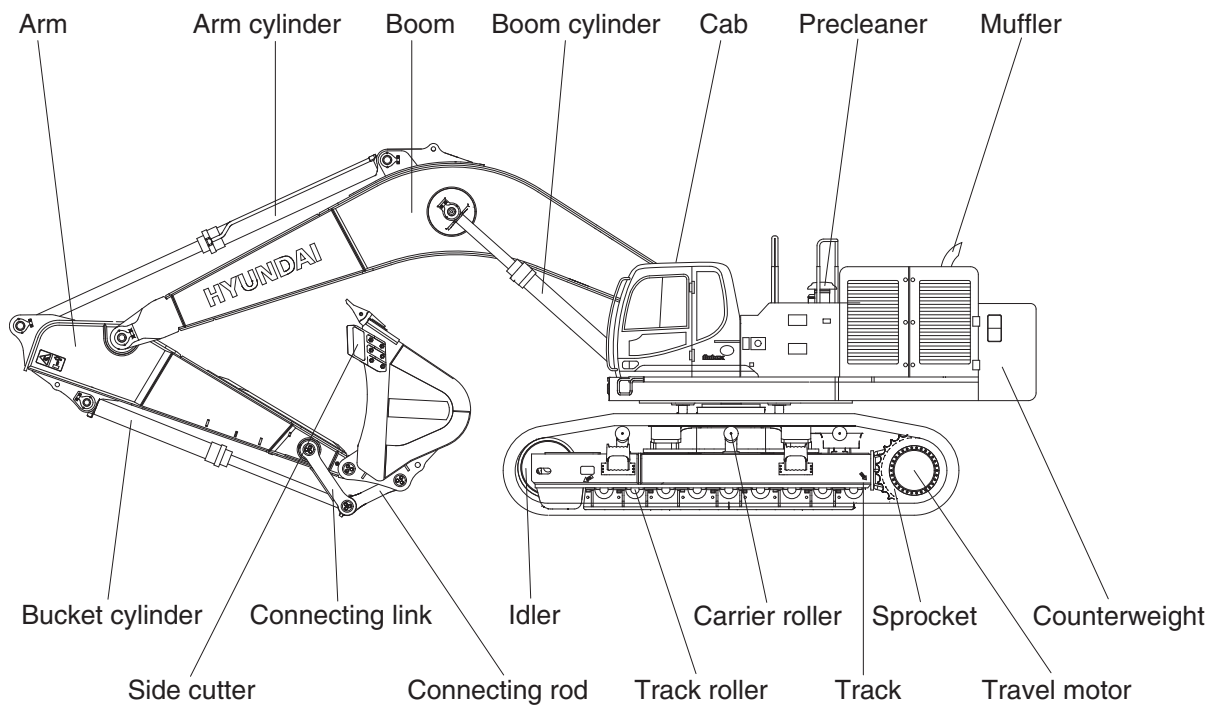
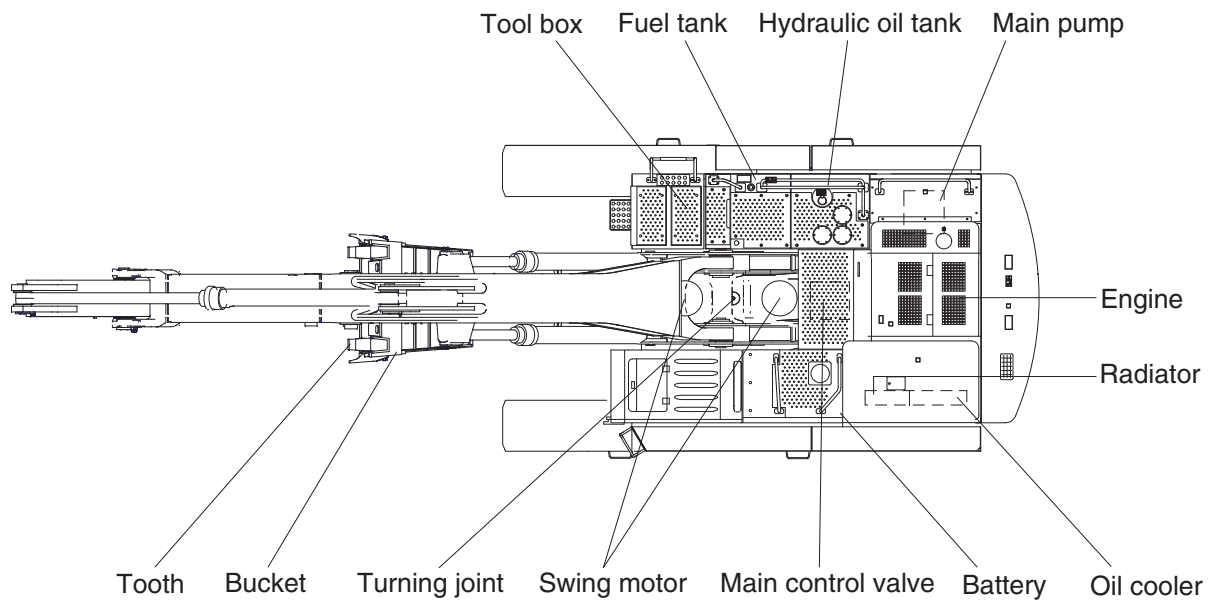


SPECIFICATIONS

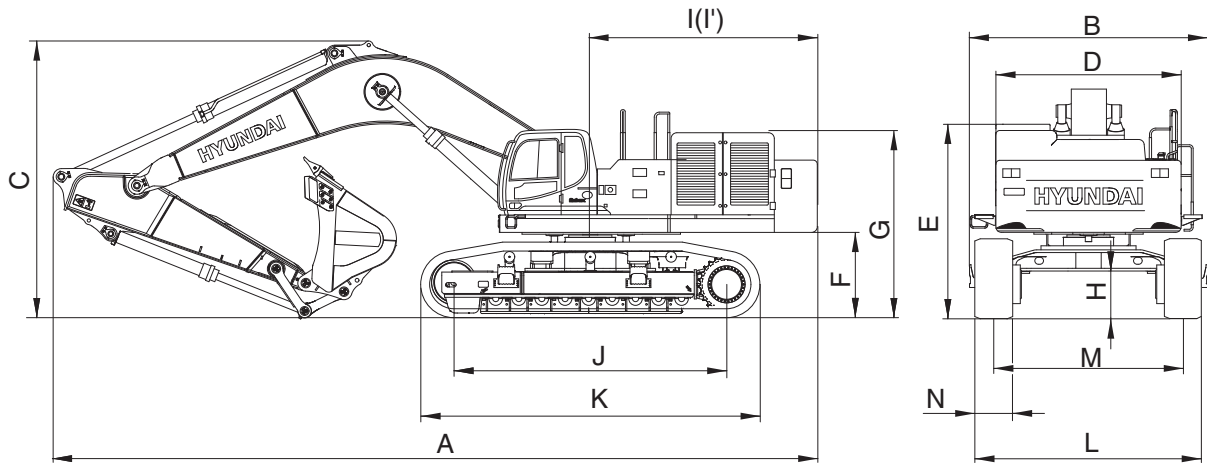
1. MAJOR COMPONENT



80092SP01

2. SPECIFICATIONS

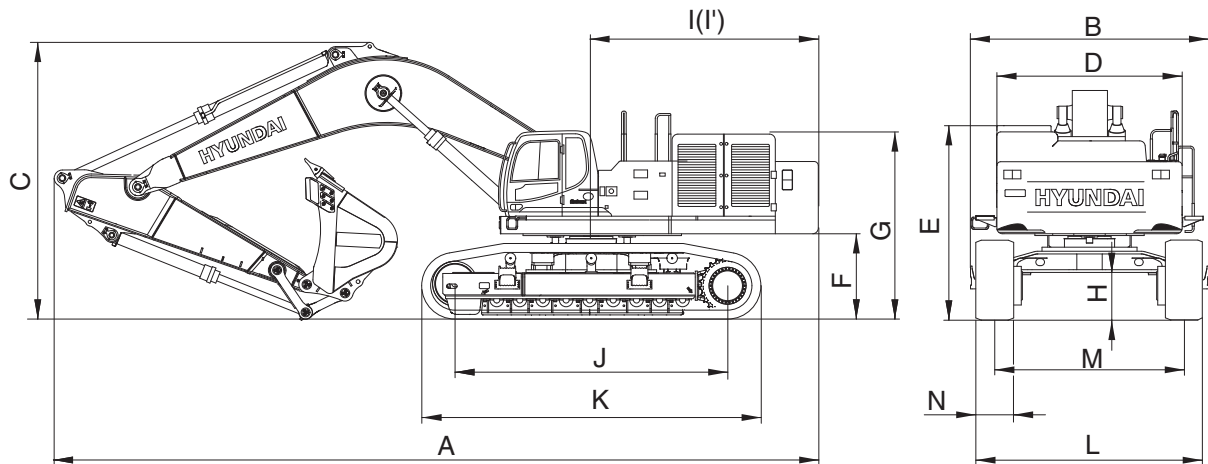
- 7.20 m (23' 7") BOOM, 2.95 m (9' 8") ARM



80092SP02

Description		Unit	Specification
Operating weight		kg (lb)	83120 (183250)
Bucket capacity(SAE heaped), standard		m ³ (yd ³)	4.53 (5.93)
Overall length	A	mm (ft-in)	13100 (43' 0")
Overall width, with 700mm shoe (Transport position/Working position)	B		3675/4395 (12' 1 1/4" 14' 5")
Overall height	C		5040 (16' 6")
Superstructure width	D		3420 (11' 3")
Overall height of cab	E		3830 (12' 7")
Ground clearance of counterweight	F		1570 (5' 2")
Engine cover height	G		3480 (11' 5")
Minimum ground clearance	H		928 (3' 1")
Rear-end distance	I		4200 (13' 9")
Rear-end swing radius	I'		4315 (14' 2")
Distance between tumblers	J		5030 (16' 6")
Undercarriage length	K		6335 (20' 9")
Undercarriage width (Transport position/Working position)	L		3480/4200 (11' 5"/13' 9")
Track gauge (Transport position/Working position)	M		2780/3500 (9' 1"/11' 6")
Track shoe width, standard	N		700 (28")
Travel speed(Low/high)		km/hr (mph)	2.6/4.0 (1.6/2.5)
Swing speed		rpm	6.5
Gradeability		Degree (%)	35 (70)
Ground pressure(700 mm shoe)		kgf/cm ² (psi)	1.08 (15.36)
Max traction force		kg (lb)	59300 (130730)

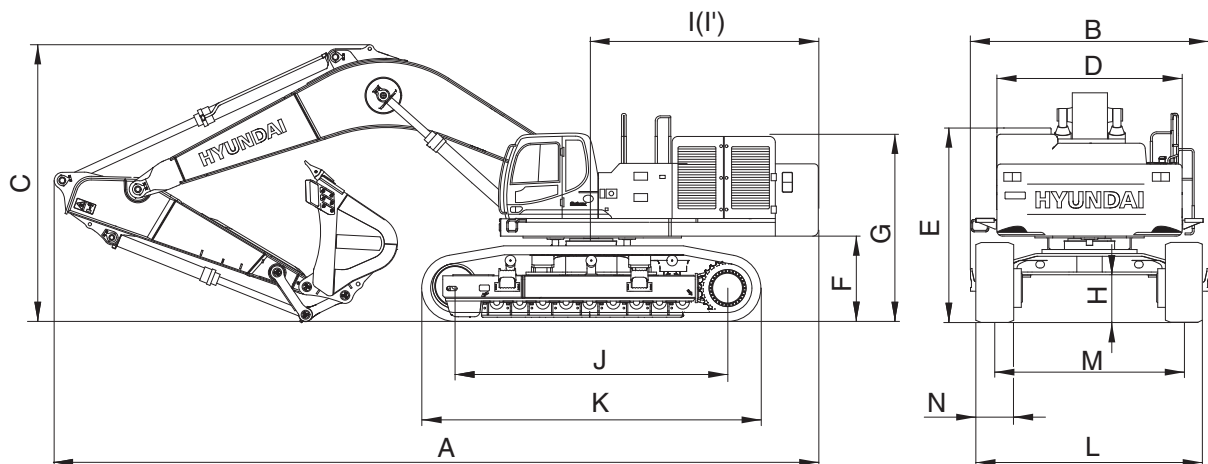
· 8.05 m (26' 5") BOOM, 3.40 m (11' 2") ARM



80092SP02

Description		Unit	Specification
Operating weight		kg (lb)	83600 (184300)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	3.40 (4.45)
Overall length	A	mm (ft-in)	13950 (45' 9")
Overall width, with 700 mm shoe (Transport position/Working position)	B		3675/4395 (12' 1"/14' 5")
Overall height	C		5360 (17' 7")
Superstructure width	D		3420 (11' 3")
Overall height of cab	E		3580 (11' 9")
Ground clearance of counterweight	F		1570 (5' 2")
Engine cover height	G		3480 (11' 5")
Minimum ground clearance	H		928 (3' 1")
Rear-end distance	I		4200 (13' 9")
Rear-end swing radius	I'		4315 (14' 2")
Distance between tumblers	J		5030 (16' 6")
Undercarriage length	K		6335 (20' 9")
Undercarriage width (Transport position/Working position)	L		3480/4200 (11' 5"/13' 9")
Track gauge (Transport position/Working position)	M		2780/3500 (9' 1"/11' 6")
Track shoe width, standard	N		700 (28")
Travel speed (Low/high)		km/hr (mph)	2.6/4.0 (1.6/2.5)
Swing speed		rpm	6.3
Gradeability		Degree (%)	35 (70)
Ground pressure (700 mm shoe)		kgf/cm ² (psi)	1.09 (15.50)
Max traction force		kg (lb)	59300 (130730)

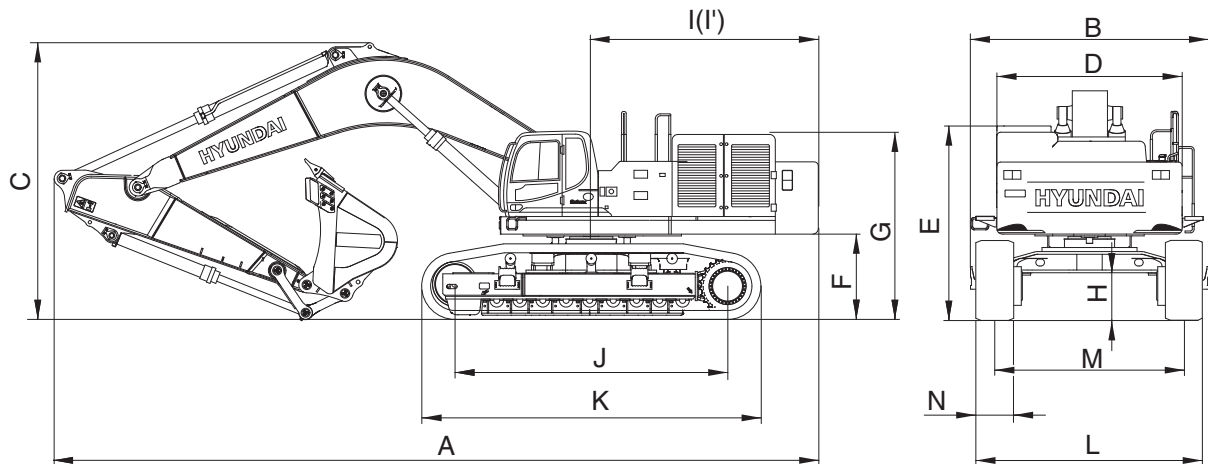
· 8.20 m (26' 11") BOOM, 3.60 m (11' 10") ARM



80092SP02

Description		Unit	Specification
Operating weight		kg (lb)	84300 (185850)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	3.40 (4.45)
Overall length	A	mm (ft-in)	14110 (46' 4")
Overall width, with 700 mm shoe (Transport position/Working position)	B		3675/4395 (12' 1"/14' 5")
Overall height	C		5390 (17' 8")
Superstructure width	D		3420 (11' 3")
Overall height of cab	E		3580 (11' 9")
Ground clearance of counterweight	F		1570 (5' 2")
Engine cover height	G		3480 (11' 5")
Minimum ground clearance	H		928 (3' 1")
Rear-end distance	I		4200 (13' 9")
Rear-end swing radius	I'		4315 (14' 2")
Distance between tumblers	J		5030 (16' 6")
Undercarriage length	K		6335 (20' 9")
Undercarriage width (Transport position/Working position)	L		3480/4200 (11' 5"/13' 9")
Track gauge (Transport position/Working position)	M		2780/3500 (9' 1"/11' 6")
Track shoe width, standard	N		700 (28")
Travel speed (Low/high)		km/hr (mph)	2.6/4.0 (1.6/2.5)
Swing speed		rpm	6.3
Gradeability		Degree (%)	35 (70)
Ground pressure(700 mm shoe)		kgf/cm ² (psi)	1.10 (15.64)
Max traction force		kg (lb)	59300 (130730)

· 10.5 m (34' 5") BOOM, 6.50 m (21' 4") ARM

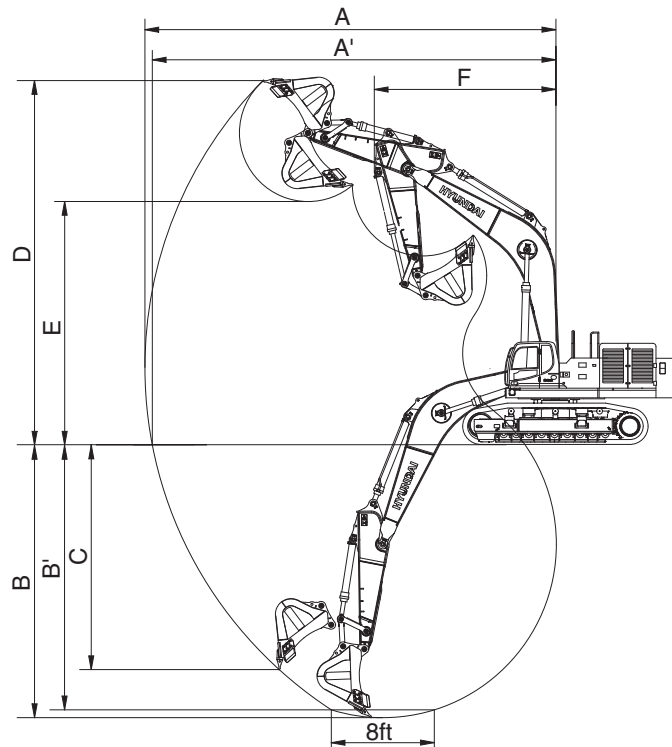


80092SP02

Description		Unit	Specification
Operating weight		kg (lb)	85420 (188320)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	2.56 (3.35)
Overall length	A	mm (ft-in)	16120 (52' 11")
Overall width, with 700 mm shoe (Transport position/Working position)	B		3675/4395 (12' 1"/14' 5")
Overall height	C		5500 (18' 1")
Superstructure width	D		3420 (11' 3")
Overall height of cab	E		3580 (11' 9")
Ground clearance of counterweight	F		1570 (5' 2")
Engine cover height	G		3480 (11' 5")
Minimum ground clearance	H		928 (3' 1")
Rear-end distance	I		4200 (13' 9")
Rear-end swing radius	I'		4315 (14' 2")
Distance between tumblers	J		5030 (16' 6")
Undercarriage length	K		6335 (20' 9")
Undercarriage width (Transport position/Working position)	L		3480/4200 (11' 5"/13' 9")
Track gauge (Transport position/Working position)	M		2780/3500 (9' 1"/11' 6")
Track shoe width, standard	N		700 (28")
Travel speed (Low/high)		km/hr (mph)	2.6/4.0 (1.6/2.5)
Swing speed		rpm	6.3
Gradeability		Degree (%)	35 (70)
Ground pressure(700 mm shoe)		kgf/cm ² (psi)	1.11 (15.78)
Max traction force		kg (lb)	59300 (130730)

3. WORKING RANGE

· 7.2 m (23' 7") BOOM

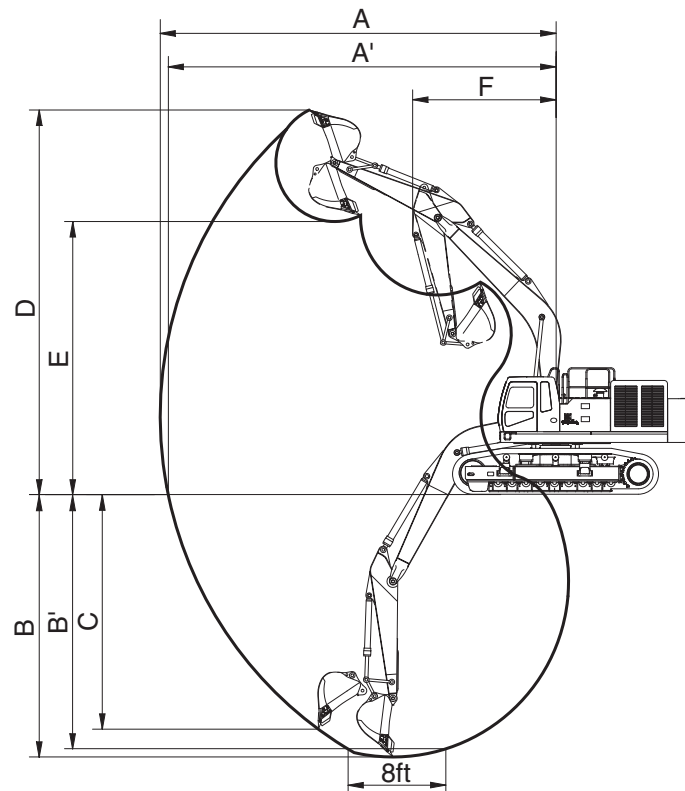


80092SP03

Description		2.95 m (9' 8") Arm
Max digging reach	A	12250 mm (40' 2")
Max digging reach on ground	A'	11970 mm (39' 3")
Max digging depth	B	7240 mm (23' 9")
Max digging depth (8ft level)	B'	7080 mm (23' 3")
Max vertical wall digging depth	C	5670 mm (18' 7")
Max digging height	D	11750 mm (38' 7")
Max dumping height	E	7500 mm (24' 7")
Min swing radius	F	5120 mm (16' 10")
Bucket digging force	SAE	388.3 [423.6] kN
		39600 [43200] kgf
		87300 [95240] lbf
	ISO	443.3 [483.6] kN
		45200 [49310] kgf
		99650 [108710] lbf
Arm crowd force	SAE	318.7 [347.7] kN
		32500 [35460] kgf
		71650 [78180] lbf
	ISO	333.4 [363.7] kN
		34000 [37090] kgf
		74960 [81770] lbf

[] : Power boost

· 8.05 m (26' 5") BOOM

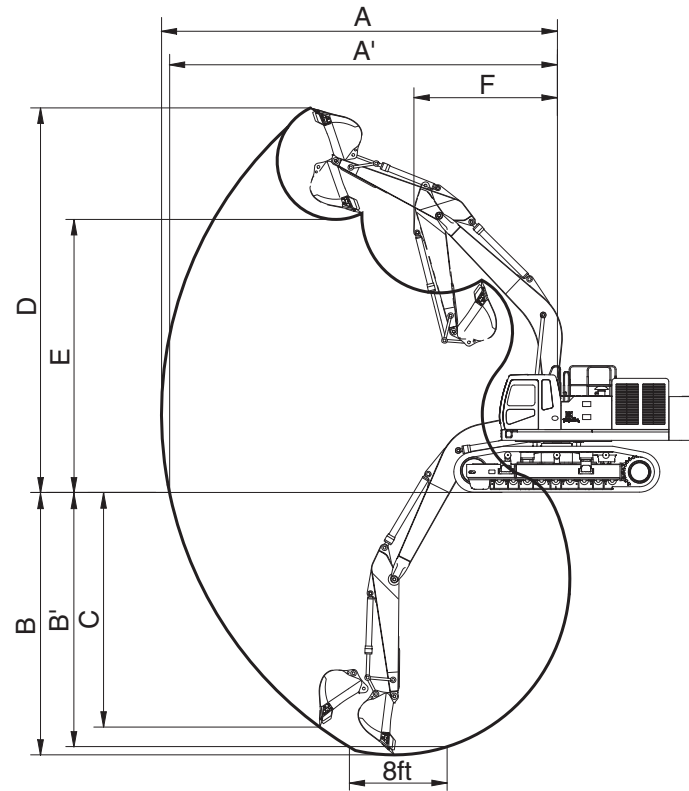


8007A2SP03

Description		3.40 m (11' 2") Arm
Max digging reach	A	13420 mm (44' 0")
Max digging reach on ground	A'	13160 mm (43' 2")
Max digging depth	B	8450 mm (27' 9")
Max digging depth (8ft level)	B'	8320 mm (27' 4")
Max vertical wall digging depth	C	6190 mm (20' 4")
Max digging height	D	11820 mm (38' 9")
Max dumping height	E	7740 mm (25' 5")
Min swing radius	F	6000 mm (19' 8")
Bucket digging force	SAE	336.4 [367.0] kN
		34300 [37420] kgf
		75620 [82500] lbf
	ISO	384.4 [419.3] kN
		39200 [42760] kgf
		86420 [94270] lbf
Arm crowd force	SAE	292.2 [318.8] kN
		29800 [32510] kgf
		65670 [71670] lbf
	ISO	305.0 [332.7] kN
		31100 [33930] kgf
		68560 [74800] lbf

[] : Power boost

· 8.20 m (26' 11") BOOM

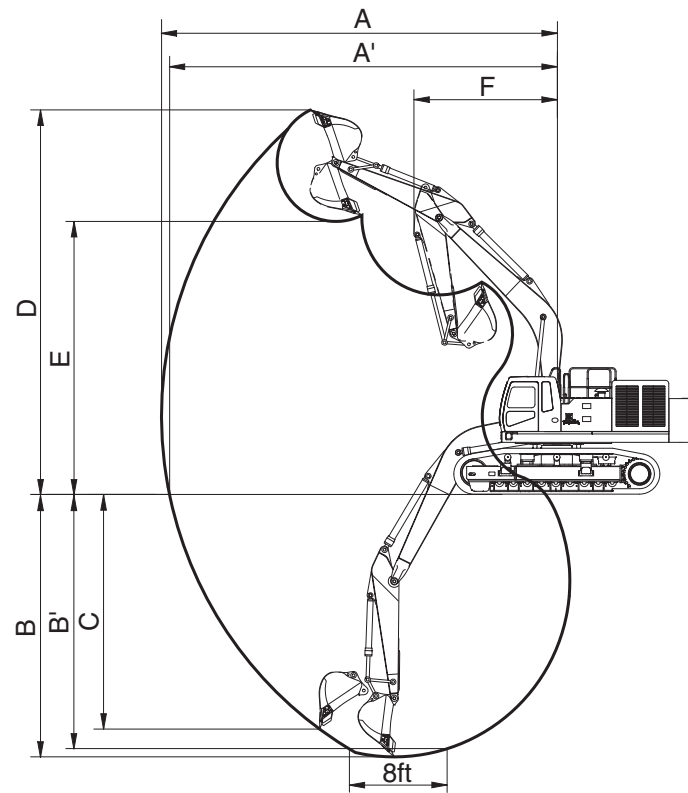


8007A2SP03

Description		3.60 m (11' 10") Arm
Max digging reach	A	13670 mm (44' 10")
Max digging reach on ground	A'	13420 mm (44' 0")
Max digging depth	B	8750 mm (28' 8")
Max digging depth (8ft level)	B'	8630 mm (28' 4")
Max vertical wall digging depth	C	6170 mm (20' 3")
Max digging height	D	11780 mm (38' 8")
Max dumping height	E	7770 mm (25' 6")
Min swing radius	F	6080 mm (19' 11")
Bucket digging force	SAE	336.4 [367.0] kN
		34300 [37420] kgf
		75620 [82500] lbf
	ISO	384.4 [419.3] kN
		39200 [42760] kgf
		86420 [94270] lbf
Arm crowd force	SAE	282.4 [308.1] kN
		28800 [31420] kgf
		63490 [69270] lbf
	ISO	294.2 [321.0] kN
		30000 [32730] kgf
		66140 [72160] lbf

[] : Power boost

· 10.5 m (34' 5") BOOM



8007A2SP03

Description		6.50 m (21' 4") Arm
Max digging reach	A	18470 mm (60' 7")
Max digging reach on ground	A'	18280 mm (60' 0")
Max digging depth	B	13040 mm (42' 9")
Max digging depth (8ft level)	B'	12940 mm (42' 5")
Max vertical wall digging depth	C	12190 mm (40' 0")
Max digging height	D	15050 mm (49' 5")
Max dumping height	E	11680 mm (38' 4")
Min swing radius	F	7620 mm (25' 0")
Bucket digging force	SAE	248.0 kN
		25290 kgf
		55750 lbf
	ISO	291.1 kN
		29680 kgf
		65430 lbf
Arm crowd force	SAE	181.4 kN
		18500 kgf
		40790 lbf
	ISO	186.1 kN
		18980 kgf
		41840 lbf

4. WEIGHT

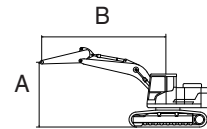
Item		R850LC-9	
		kg	lb
Upperstructure assembly		37510	82700
Main frame weld assembly		7620	16800
Engine assembly		1450	3200
Main pump assembly		300	660
Main control valve assembly		420	930
Swing motor assembly		450	990
Hydraulic oil tank assembly		1860	4100
Fuel tank assembly		1825	4020
Counterweight	7.2, 8.05, 8.2 m boom	12500	27560
	10.5 m boom	15500	34170
Cab assembly		490	1080
Lower chassis assembly		26200	57760
Lower track frame assy		11960	26370
Swing bearing		1270	2800
Travel motor assembly		935	2060
Turning joint		75	165
Track recoil spring and tension body		740	1630
Idler		570	1260
Sprocket		240	530
Carrier roller		75	165
Track roller		185	410
Track-chain assembly (700 mm double grouser shoe)		4890	10780
Front attachment assembly (7.20 m boom, 2.95 m arm, 4.53 m ³ SAE heaped bucket)		18610	41030
7.20 m boom assembly		6370	14040
8.05 m boom assy		7020	15480
8.20 m boom assy		7480	16490
10.5 m boom assy		7230	15940
2.95 m arm assembly		2910	6420
3.40 m arm assembly		3070	6770
3.60 m arm assembly		3290	7250
6.50 m arm assembly		3600	7940
4.53 m ³ SAE heaped bucket		4190	9240
Boom cylinder assembly		1460	3220
Arm cylinder assembly		950	2090
Bucket cylinder assembly		760	1680
Bucket control rod assembly		410	900

5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
R850LC-9	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		10500	6500	15500	800	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)																								At max. reach						
		1.5 m (4.9 ft)		4.5 m (14.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		10.5 m (34.4 ft)		12.0 m (39.4 ft)		13.5 m (44.3 ft)		15.0 m (44.3 ft)		16.5 m (54.1 ft)		Capacity	Reach							
																												m (ft)				
13.5 m (44.3 ft)	kg																											*4610	*4610	12.54		
	lb																											*10160	*10160	(41.1)		
12.0 m (39.4 ft)	kg																													*4340	*4340	13.71
	lb																													*9570	*9570	(45.0)
10.5 m (34.4 ft)	kg																													*4170	*4170	14.63
	lb																													*9190	*9190	(48.0)
9.0 m (29.5 ft)	kg																													*4080	*4080	15.35
	lb																													*8990	*8990	(50.3)
7.5 m (24.6 ft)	kg																													*4040	*4040	15.89
	lb																													*8910	*8910	(52.1)
6.0 m (19.7 ft)	kg																													*4060	*4060	16.28
	lb																													*8950	*8950	(53.4)
4.5 m (14.8 ft)	kg																															
	lb																															
3.0 m (9.8 ft)	kg																															
	lb																															
1.5 m (4.9 ft)	kg																															
	lb																															
0.0 m (0.0 ft)	kg																															
	lb																															
-1.5 m (-4.9 ft)	kg																															
	lb																															
-3.0 m (-9.8 ft)	kg																															
	lb																															
-4.5 m (-14.8 ft)	kg																															
	lb																															
-6.0 m (-19.7 ft)	kg																															
	lb																															
-7.5 m (-24.6 ft)	kg																															
	lb																															
-9.0 m (-29.5 ft)	kg																															
	lb																															
-10.5 m (-34.4 ft)	kg																															
	lb																															

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

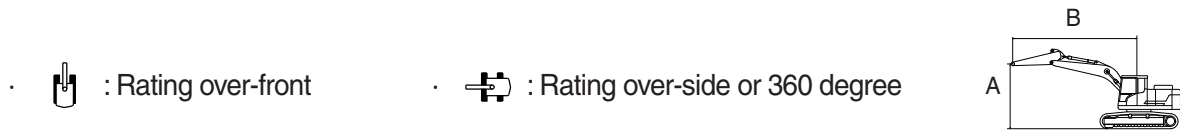
The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R850LC-9	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		11300	8000	15500	800	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)																								At max. reach	
		1.5 m (4.9 ft)	4.5 m (14.8 ft)	4.5 m (14.8 ft)	6.0 m (19.7 ft)	7.5 m (24.6 ft)	9.0 m (29.5 ft)	10.5 m (34.4 ft)	12.0 m (39.4 ft)	13.5 m (44.3 ft)	15.0 m (49.3 ft)	16.5 m (54.1 ft)	18.0 m (59.1 ft)	Capacity	Reach											m (ft)	
13.5 m (44.3 ft)	kg																										
12.0 m (39.4 ft)	kg																										
10.5 m (34.4 ft)	kg																										
9.0 m (29.5 ft)	kg																										
7.5 m (24.6 ft)	kg																										
6.0 m (19.7 ft)	kg																										
4.5 m (14.8 ft)	kg																										
3.0 m (9.8 ft)	kg																										
1.5 m (4.9 ft)	kg																										
0.0 m (0.0 ft)	kg																										
-1.5 m (-4.9 ft)	kg																										
-3.0 m (-9.8 ft)	kg																										
-4.5 m (-14.8 ft)	kg																										
-6.0 m (-19.7 ft)	kg																										
-7.5 m (-24.6 ft)	kg																										
-9.0 m (-29.5 ft)	kg																										
-10.5 m (-34.4 ft)	kg																										
-12.0 m (-39.4 ft)	kg																										

- Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

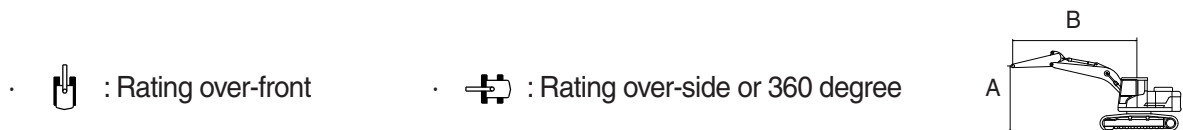
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▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R850LC-9	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7200	2950	12500	700	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
												m (ft)
9.0 m (29.5 ft)	kg					*18530	*18530			*17780	*17780	7.56
	lb					*40850	*40850			*39200	*39200	(24.8)
7.5 m (24.6 ft)	kg					*21200	*21200			*17080	*17080	8.62
	lb					*46740	*46740			*37650	*37650	(28.3)
6.0 m (19.7 ft)	kg			*26280	*26280	*22010	*22010	*19300	16620	*17030	15650	9.32
	lb			*57940	*57940	*48520	*48520	*42550	36640	*37540	34500	(30.6)
4.5 m (14.8 ft)	kg			*28690	*28690	*23100	21470	*19620	16200	*17480	14270	9.74
	lb			*63250	*63250	*50930	47330	*43250	35710	*38540	31460	(31.9)
3.0 m (9.8 ft)	kg			*30410	28540	*23950	20570	*19850	15720	*17830	13590	9.91
	lb			*67040	62920	*52800	45350	*43760	34660	*39310	29960	(32.5)
1.5 m (4.9 ft)	kg			*30540	27420	*24070	19860	*19610	15310	*17380	13470	9.84
	lb			*67330	60450	*53070	43780	*43230	33750	*38320	29700	(32.3)
0.0 m (0.0 ft)	kg			*28960	26910	*23120	19440	*18510	15070	*16780	13920	9.55
	lb			*63850	59330	*50970	42860	*40810	33220	*36990	30690	(31.3)
-1.5 m (-4.9 ft)	kg	*30530	*30530	*25790	*25790	*20780	19320			*15810	15130	8.98
	lb	*67310	*67310	*56860	*56860	*45810	42590			*34860	33360	(29.5)
-3.0 m (-9.8 ft)	kg	*23960	*23960	*20770	*20770	*16350	*16350			*14010	*14010	8.11
	lb	*52820	*52820	*45790	*45790	*36050	*36050			*30890	*30890	(26.6)
-4.5 m (-14.8 ft)	kg	*14500	*14500	*12650	*12650					*10160	*10160	6.79
	lb	*31970	*31970	*27890	*27890					*22400	*22400	(22.3)

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

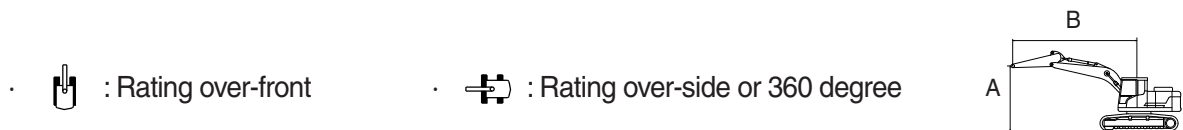
The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R850LC-9	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		8050	3400	12500	700	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)												At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		10.5 m (34.4 ft)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg lb									*13640 *30070	*13640 *30070			*13060 *28790	*13060 *28790	9.06 (29.7)
7.5 m (24.6 ft)	kg lb									*16220 *35760	*16220 *35760			*12850 *28330	*12850 *28330	9.95 (32.7)
6.0 m (19.7 ft)	kg lb					*23290 *51350	*23290 *51350	*19280 *42510	*19280 *42510	*16840 *37130	16690 36800	*13880 *30600	12870 28370	*12980 *28620	12730 28060	10.56 (34.7)
4.5 m (14.8 ft)	kg lb					*26300 *57980	*26300 *57980	*20850 *45970	*20850 *45970	*17660 *38930	16060 35410	*15590 *34370	12580 27730	*13420 *29590	11750 25900	10.93 (35.9)
3.0 m (9.8 ft)	kg lb					*28640 *63140	27630 60910	*22220 *48990	20090 44290	*18420 *40610	15420 34000	*15890 *35030	12220 26940	*14200 *31310	11210 24710	11.08 (36.4)
1.5 m (4.9 ft)	kg lb					*29460 *64950	26420 58250	*23000 *50710	19250 42440	*18870 *41600	14880 32800	*15980 *35230	11900 26230	*15080 *33250	11060 24380	11.03 (36.2)
0.0 m (0.0 ft)	kg lb					*28880 *63670	25870 57030	*22970 *50640	18720 41270	*18810 *41470	14500 31970	*15630 *34460	11680 25750	*15080 *33250	11280 24870	10.76 (35.3)
-1.5 m (-4.9 ft)	kg lb			*28620 *63100	*28620 *63100	*27220 *60010	25730 56720	*22040 *48590	18490 40760	*18020 *39730	14320 31570			*14990 *33050	11980 26410	10.27 (33.7)
-3.0 m (-9.8 ft)	kg lb	*29440 *64900	*29440 *64900	*29140 *64240	*29140 *64240	*24460 *53930	*24460 *53930	*20040 *44180	18530 40850	*16100 *35490	14380 31700			*14660 *32320	13380 29500	9.51 (31.2)
-4.5 m (-14.8 ft)	kg lb			*23670 *52180	*23670 *52180	*20230 *44600	*20230 *44600	*16430 *36220	*16430 *36220					*13750 *30310	*13750 *30310	8.42 (27.6)
-6.0 m (-19.7 ft)	kg lb					*13360 *29450	*13360 *29450									

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

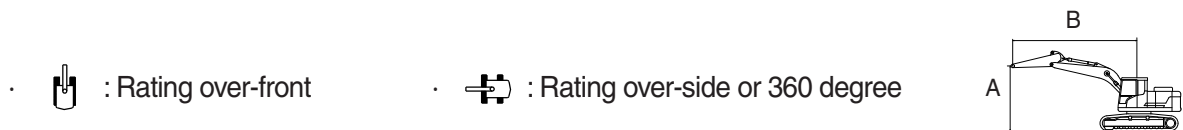
The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R850LC-9	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		8200	3400	12500	700	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)												At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		10.5 m (34.4 ft)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg lb									*15440 *34040	*15440 *34040			*14150 *31200	*14150 *31200	9.15 (30.0)
7.5 m (24.6 ft)	kg lb									*15930 *35120	*15930 *35120			*14020 *30910	*14020 *30910	10.04 (32.9)
6.0 m (19.7 ft)	kg lb					*23190 *51130	*23190 *51130	*19070 *42040	*19070 *42040	*16580 *36550	16550 36490	*14980 *33030	12770 28150	*14250 *31420	12460 27470	10.65 (34.9)
4.5 m (14.8 ft)	kg lb					*26160 *57670	*26160 *57670	*20620 *45460	*20620 *45460	*17400 *38360	15880 35010	*15300 *33730	12440 27430	*14750 *32520	11480 25310	11.01 (36.1)
3.0 m (9.8 ft)	kg lb					*28370 *62550	27140 59830	*21950 *48390	19800 43650	*18150 *40010	15210 33530	*15620 *34440	12060 26590	*14720 *32450	10950 24140	11.16 (36.6)
1.5 m (4.9 ft)	kg lb					*29030 *64000	25960 57230	*22670 *49980	18940 41760	*18590 *40980	14650 32300	*15740 *34700	11730 25860	*14740 *32500	10790 23790	11.11 (36.4)
0.0 m (0.0 ft)	kg lb					*28340 *62480	25460 56130	*22610 *49850	18420 40610	*18520 *40830	14270 31460	*15430 *34020	11500 25350	*14750 *32520	10990 24230	10.84 (35.6)
-1.5 m (-4.9 ft)	kg lb			*26300 *57980	*26300 *57980	*26660 *58780	25360 55910	*21670 *47770	18200 40120	*17760 *39150	14090 31060			*14690 *32390	11650 25680	10.35 (34.0)
-3.0 m (-9.8 ft)	kg lb	*27820 *61330	*27820 *61330	*28250 *62280	*28250 *62280	*23970 *52840	*23970 *52840	*19740 *43520	18260 40260	*15980 *35230	14150 31200			*14420 *31790	12990 28640	9.61 (31.5)
-4.5 m (-14.8 ft)	kg lb			*23090 *50900	*23090 *50900	*19930 *43940	*19930 *43940	*16350 *36050	*16350 *36050					*13610 *30000	*13610 *30000	8.53 (28.0)
-6.0 m (-19.7 ft)	kg lb					*13530 *29830	*13530 *29830							*11340 *25000	*11340 *25000	6.96 (22.8)

Note 1. Lifting capacity are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. *Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

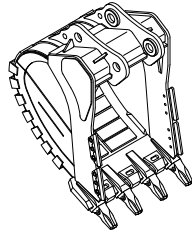
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage.

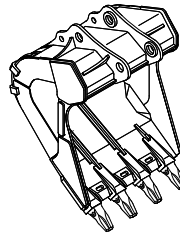
Make adjustments to the rated load as necessary for non-standard configurations.

6. BUCKET SELECTION GUIDE

1) 12500 KG COUNTERWEIGHT



Heavy duty



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO		
	SAE Heaped	CECE heaped	Without side cutter			Recommendation		
						7.2 m (23' 7") Boom	8.05 m (26' 5") Boom	8.2 m (26' 11") Boom
						m³ (yd³)	m³ (yd³)	mm (in)
Heavy duty	3.40 (4.45)	3.05 (3.99)	1685 (66.3")	4495 (9910)	4	●	●	◐
	4.04 (5.28)	3.60 (4.71)	1915 (75.4")	4920 (10850)	5	●	■	■
	4.50 (5.89)	3.99 (5.22)	2070 (81.5")	5150 (11350)	5	◐	■	▲
	4.85 (6.34)	4.25 (5.56)	2200 (86.6")	5075 (11190)	5	◐	▲	▲
	5.20 (6.80)	4.60 (6.02)	2200 (86.6")	4585 (10110)	5	■	▲	▲
	5.66 (7.40)	5.09 (6.66)	2000 (78.7")	4705 (10370)	5	■	▲	▲
Rock heavy duty	3.40 (4.45)	2.97 (3.88)	1435 (56.5")	3890 (8580)	4	●	●	●
	3.40 (4.45)	3.05 (3.99)	1665 (65.6")	4630 (10210)	4	●	◐	◐
	4.04 (5.28)	3.60 (4.71)	1895 (74.6")	5050 (11130)	5	●	■	■
	4.25 (5.56)	3.75 (4.90)	1965 (77.4")	5155 (11360)	5	●	■	■
	4.50 (5.89)	3.99 (5.22)	2050 (80.7")	5280 (11640)	5	◐	▲	▲

●	Applicable for materials with density of 2100 kg/m ³ (3500 lb/yd ³) or less
◐	Applicable for materials with density of 1800 kg/m ³ (3000 lb/yd ³) or less
■	Applicable for materials with density of 1500 kg/m ³ (2500 lb/yd ³) or less
▲	Applicable for materials with density of 1200 kg/m ³ (2000 lb/yd ³) or less
X	Not recommended
-	Not available

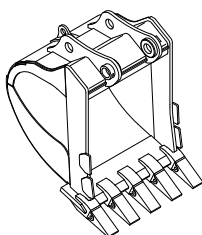
※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

2) 15500 KG COUNTERWEIGHT



Long reach

Type	Capacity		Width	Weight	Tooth	MONO	
	SAE Heaped	CECE heaped	Without side cutter			Recommendation	
						10.5 m (34' 5") Boom	11.3 m (37' 1") Boom
	m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	6.50 m (21' 4") Arm	8.0 m (26' 3") Arm
Long reach	1.65 (2.16)	1.48 (1.94)	1030 (40.6")	1565 (3450)	4	●	◐
	2.56 (3.35)	2.27 (2.97)	1525 (60.0")	1930 (4250)	5	■	X

●	Applicable for materials with density of 2100 kg/m ³ (3500 lb/yd ³) or less
◐	Applicable for materials with density of 1800 kg/m ³ (3000 lb/yd ³) or less
■	Applicable for materials with density of 1500 kg/m ³ (2500 lb/yd ³) or less
▲	Applicable for materials with density of 1200 kg/m ³ (2000 lb/yd ³) or less
X	Not recommended
-	Not available

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

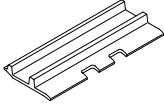
Consult with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

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		Double grouser		
					
R850LC-9	Shoe width	mm (in)	700 (28)	800 (32)	900 (36)
	Operating weight	kg (lb)	83400 (183860)	84270 (185780)	85150 (187720)
	Ground pressure	kgf/cm ² (psi)	1.08 (15.36)	0.96 (13.65)	0.86 (12.23)
	Overall width	mm (ft-in)	4200 (13' 9")	4300 (14' 1")	4400 (14' 5")

3) NUMBER OF ROLLERS AND SHOES ON EACH SIDE

Item	Quantity
Carrier rollers	3EA
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
700 mm double grouser	Standard	A
800 mm double grouser	Option	B
900 mm double grouser	Option	C

※ **Table 2**

Category	Applications	Applications
A	Rocky ground, river beds, normal soil	· Travel at low speed on rough ground with large obstacles such as boulders or fallen trees
B	Normal soil, soft ground	· 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)	· 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 QSX 15
Type	4-cycle turbocharged charge 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 × stroke	137 × 169 mm (5.39" × 6.65")
Piston displacement	15000 cc (915 cu in)
Compression ratio	17 : 1
Rated gross horse power(SAE J1995)	510 hp at 1800 rpm (380 kW at 1800 rpm)
Maximum torque	241 kgf · m (1743 lbf · ft) at 1400 rpm
Engine oil quantity	45.4 ℓ (12 U.S. gal)
Dry weight	1451 kg (3200 lb)
High idling speed	1800 ± 50 rpm
Low idling speed	800 ± 50 rpm
Rated fuel consumption	165.5 g/Hp · hr at 1800 rpm
Starting motor	Prestolite MS7 (24V-9.0kW)
Alternator	Delco Remy 24V-100A
Battery	4 × 12V × 160Ah

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 280 cc/rev
Maximum pressure	330 kgf/cm ² (4690 psi) [360 kgf/cm ² (5120 psi)]
Rated oil flow	2 × 504 ℓ /min (133.1U.S. gpm/110.9U.K. gpm)
Rated speed	1800 rpm

[] : Power boost

3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	15 cc/rev
Maximum pressure	40 kgf/cm ² (569 psi)
Rated oil flow	27 ℓ /min (7.1 U.S. gpm/5.9 U.K. gpm)

4) MAIN CONTROL VALVE

Item	Specification
Type	9 spools
Operating method	Hydraulic pilot system
Main relief valve pressure	330 kgf/cm ² (4690 psi) [360 kgf/cm ² (5120 psi)]
Overload relief valve pressure	380 kgf/cm ² (5400 psi)

[] : Power boost

5) SWING MOTOR

Item	Specification
Type	Fixed displacement axial piston motor
Capacity	250 cc/rev
Relief pressure	290 kgf/cm ² (4120 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	107 kgf · m (774 lbf · ft)
Brake release pressure	30~50 kgf/cm ² (427~711 psi)
Reduction gear type	2 - stage planetary

6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Relief pressure	350 kgf/cm ² (4980psi)
Capacity (max / min)	304.1/205.2 cc/rev
Reduction gear type	3-stage planetary
Braking system	Automatic, spring applied hydraulic released
Brake release pressure	18 kgf/cm ² (256 psi)
Braking torque	114 kgf · m (825 lbf · ft)

7) REMOTE CONTROL VALVE

Item		Specification
Type		Pressure reducing type
Operating pressure	Minimum	6.5 kgf/cm ² (92 psi)
	Maximum	25 kgf/cm ² (360 psi)
Single operation stroke	Lever	61 mm (2.4 in)
	Pedal	123 mm (4.84 in)

8) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	∅200 × ∅140 × 1892 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	∅215 × ∅150 × 2250 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	∅200 × ∅140 × 1593 mm
	Cushion	Extend only

※ Discoloration of cylinder rod can occur when the friction reduction additive of lubrication oil spreads on the rod surface.

※ Discoloration does not cause any harmful effect on the cylinder performance.

9) SHOE

Item		Width	Ground pressure	Link quantity	Overall width
R850LC-9	Standard	※ 700 mm (28")	1.08 kgf/cm ² (15.36 psi)	51	4200 mm (13' 9")
	Option	※ 800 mm (32")	0.95 kgf/cm ² (13.51 psi)	51	4300 mm (14' 1")
		※ 900 mm (36")	0.85 kgf/cm ² (12.09 psi)	51	4400 mm (14' 5")

※ Double grouser

10) BUCKET

Item		Capacity		Tooth quantity	Width	
		SAE heaped	CECE heaped		Without side cutter	With side cutter
R850LC-9	Standard	4.53 m ³ (5.93 yd ³)	3.95 m ³ (5.17 yd ³)	5	2040 mm (80.3")	2200 mm (86.6")
	Option	2.56 m ³ (3.35 yd ³)	2.27 m ³ (2.97 yd ³)	5	1635 mm (64.4")	1785 mm (70.3")
		3.40 m ³ (4.45 yd ³)	3.00 m ³ (3.92 yd ³)	4	1615 mm (63.6")	1775 mm (69.9")
		4.80 m ³ (6.28 yd ³)	4.19 m ³ (5.48 yd ³)	5	2135 mm (84.1")	2295 mm (90.4")
		5.10 m ³ (6.67 yd ³)	4.44 m ³ (5.81 yd ³)	6	2245 mm (88.4")	2405 mm (94.7")
		⊙ 3.40 m ³ (4.45 yd ³)	3.00 m ³ (3.92 yd ³)	4	1635 mm (64.4")	-
		⊙ 4.50 m ³ (5.86 yd ³)	3.94 m ³ (5.15 yd ³)	5	2050 mm (80.7")	-

⊙ : Rock bucket

9. RECOMMENDED OILS

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

Please use HYUNDAI genuine oil and grease.

Service point	Kind of fluid	Capacity ℓ (U.S. gal)	Ambient temperature °C (°F)							
			-50 (-58)	-30 (-22)	-20 (-4)	-10 (14)	0 (32)	10 (50)	20 (68)	30 (86)
Engine oil pan	Engine oil	43.5 (11.5)	★SAE 5W-40							
			SAE 30							
			SAE 10W							
			SAE 10W-30							
			SAE 15W-40							
Swing drive	Gear oil	8.0×2 (2.1×2)	★SAE 75W-90							
Final drive		20×2 (5.3×2)	SAE 80W-90							
Hydraulic tank	Hydraulic oil	Tank : 450 (119) System : 800 (210)	★ISO VG 15							
			ISO VG 32							
			ISO VG 46							
			ISO VG 68							
Fuel tank	Diesel fuel	940(248)	★ASTM D975 NO.1							
			ASTM D975 NO.2							
Lower roller	Gear oil	1.56 (0.4)	★SAE 75W-90							
Upper roller		0.6 (0.15)	SAE 85W-140							
Idler		1.1 (0.3)								
Fitting (grease nipple)	Grease	As required	★NLGI NO.1							
			NLGI NO.2							
Radiator (reservoir tank)	Mixture of antifreeze and soft water★ ¹	65 (17)	Ethylene glycol base permanent type (50 : 50)							
			★Ethylene glycol base permanent type (60 : 40)							

SAE : Society of Automotive Engineers

API : American Petroleum Institute

ISO : International Organization for Standardization

NLGI : National Lubricating Grease Institute

ASTM : American Society of Testing and Material

★ : Cold region

Russia, CIS, Mongolia

★¹ : Soft water

City water or distilled water