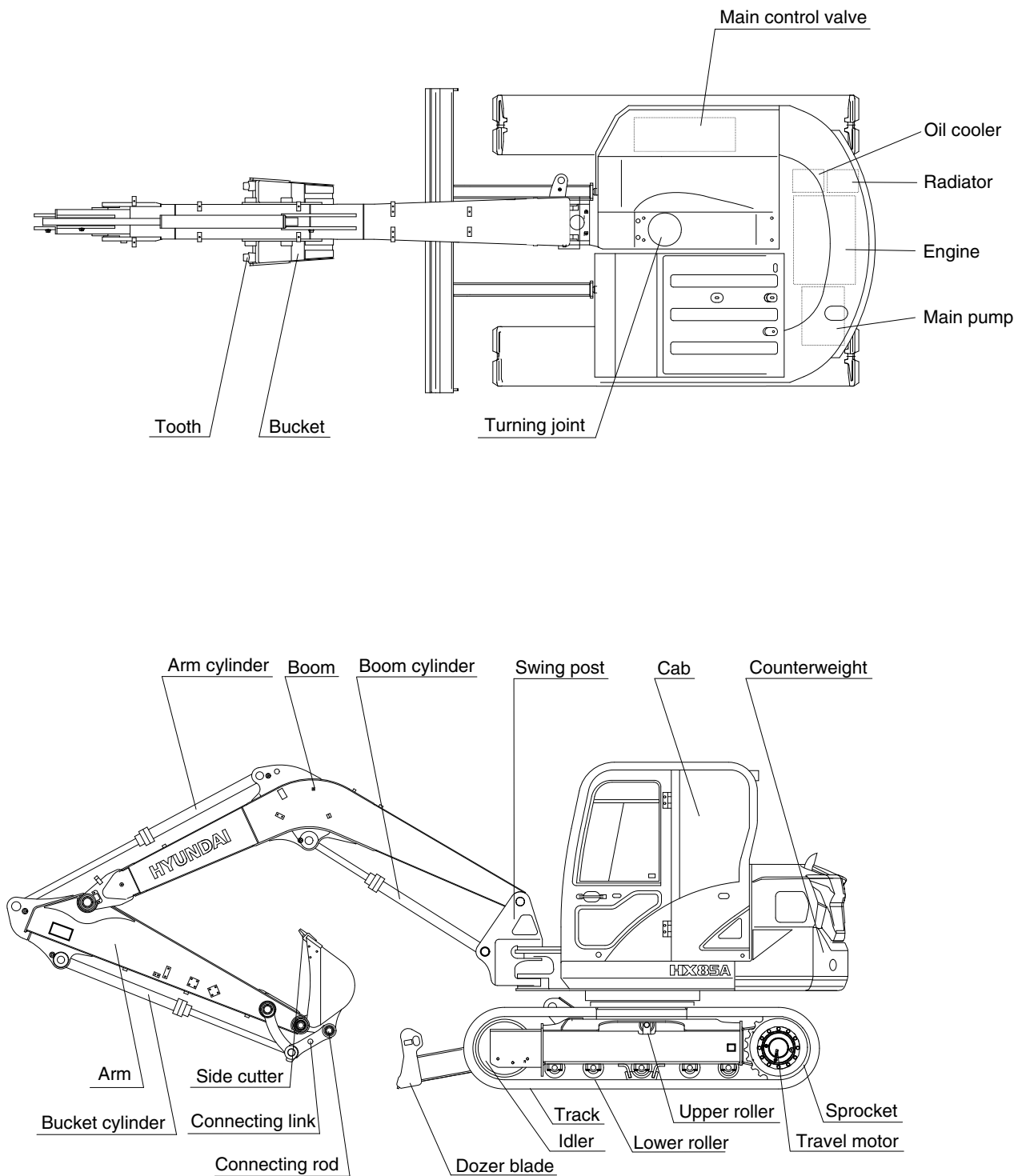


SPECIFICATIONS

1. MAJOR COMPONENT

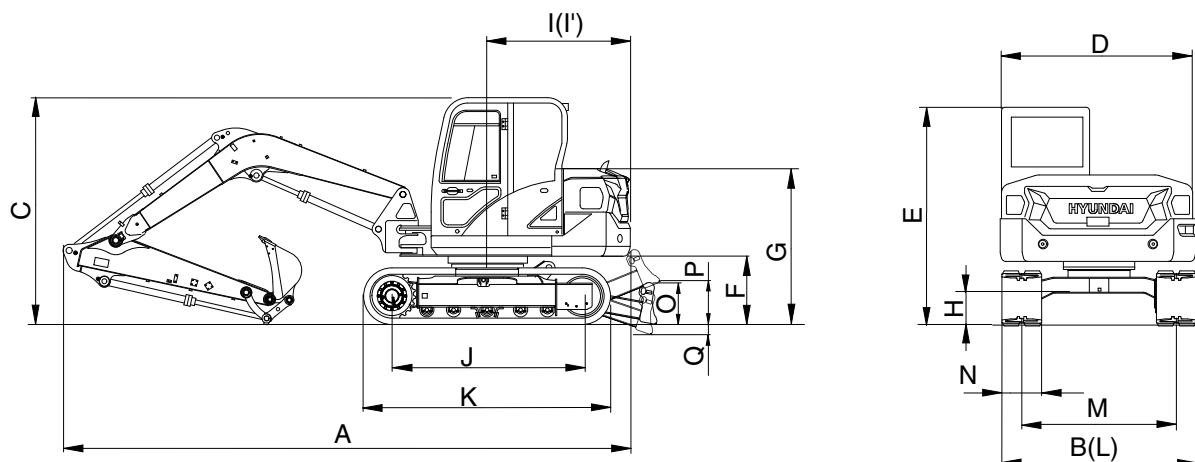


87A2SP01

2. SPECIFICATIONS

1) NORTH AMERICA

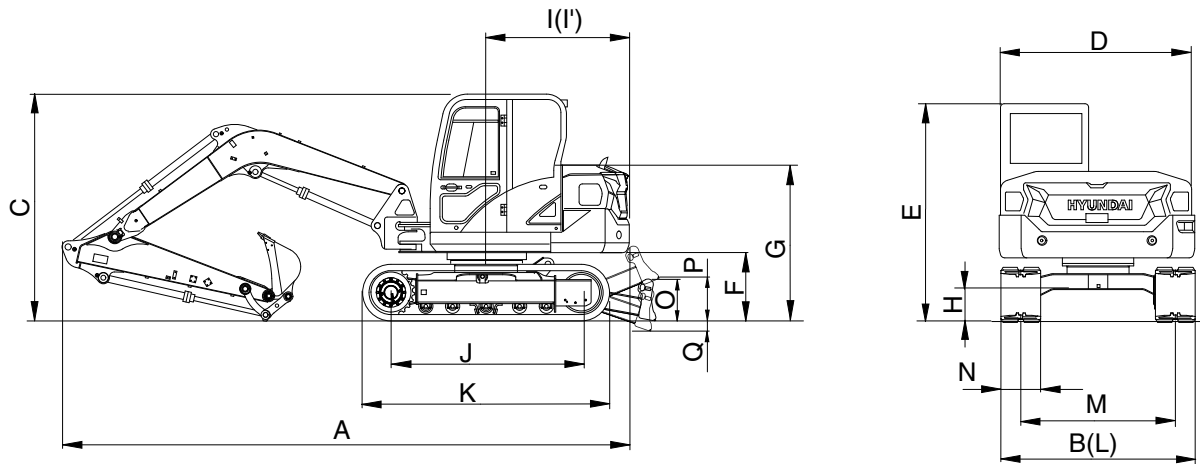
- (1) 3.55 m (11' 8") mono boom, 2.10 m (6' 11") thumb bracket long arm and 1250 kg counterweight with crawler dozer



87A2SP02

Description		Unit	Specification
Operating weight		kg (lb)	9090 (20040)
Bucket capacity (SAE heaped), standard		m³ (yd³)	0.25 (0.33)
Overall length	A	mm (ft-in)	6730 (22' 1")
Overall width, with 450 mm shoe	B		2300 (7' 7")
Overall width with dozer	-		2300 (7' 7")
Overall height	C		2585 (8' 6")
Superstructure width	D		2270 (7' 5")
Overall height of cab	E		2585 (8' 6")
Ground clearance of counterweight	F		747 (2' 5")
Engine cover height	G		1765 (5' 9")
Minimum ground clearance	H		262 (0' 10")
Rear-end distance	I		1675 (5' 6")
Rear-end swing radius	I'		1675 (5' 6")
Distance between tumblers	J		2270 (7' 5")
Undercarriage length (without grouser)	K		2859 (9' 5")
Undercarriage width	L		2300 (7' 7")
Track gauge	M		1850 (6' 1")
Track shoe width, standard	N		450 (1' 6")
Height of blade	O		437 (1' 5")
Ground clearance of blade up	P		428 (1' 5")
Depth of blade down	Q		417 (1' 4")
Travel speed (Low/high)		km/hr (mph)	2.7/5.2 (1.7/3.2)
Swing speed		rpm	9.5
Gradeability		Degree (%)	30 (58)
Ground pressure (450 mm shoe)		kgf/cm² (psi)	0.41 (5.8)
Max traction force		kg (lb)	7580 (16710)

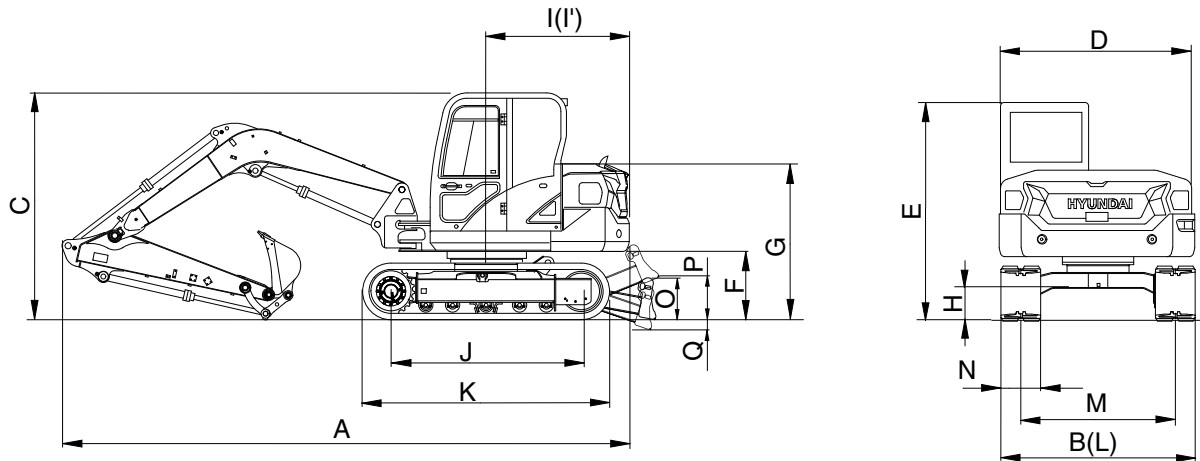
(2) 3.55 m (11' 8") mono boom, 1.75 m (5' 9") thumb bracket arm and 1000 kg counterweight with crawler dozer



87A2SP02

Description		Unit	Specification
Operating weight		kg (lb)	8815 (19430)
Bucket capacity (SAE heaped), standard		m³ (yd³)	0.25 (0.33)
Overall length	A	mm (ft-in)	6620 (21' 9")
Overall width, with 450 mm shoe	B		2300 (7' 7")
Overall width with dozer	-		2300 (7' 7")
Overall height	C		2585 (8' 6")
Superstructure width	D		2270 (7' 5")
Overall height of cab	E		2585 (8' 6")
Ground clearance of counterweight	F		747 (2' 5")
Engine cover height	G		1765 (5' 9")
Minimum ground clearance	H		262 (0' 10")
Rear-end distance	I		1600 (5' 3")
Rear-end swing radius	I'		1600 (5' 3")
Distance between tumblers	J		2270 (7' 5")
Undercarriage length (without grouser)	K		2859 (9' 5")
Undercarriage width	L		2300 (7' 7")
Track gauge	M		1850 (6' 1")
Track shoe width, standard	N		450 (1' 6")
Height of blade	O		437 (1' 5")
Ground clearance of blade up	P		428 (1' 5")
Depth of blade down	Q		417 (1' 4")
Travel speed (Low/high)		km/hr (mph)	2.7/5.2 (1.7/3.2)
Swing speed		rpm	9.5
Gradeability		Degree (%)	30 (58)
Ground pressure (450 mm shoe)		kgf/cm² (psi)	0.40 (5.63)
Max traction force		kg (lb)	7580 (16710)

(3) 3.55 m (11' 8") mono boom, 2.10 m (6' 11") thumb bracket long arm and 1250 kg counterweight with angle dozer

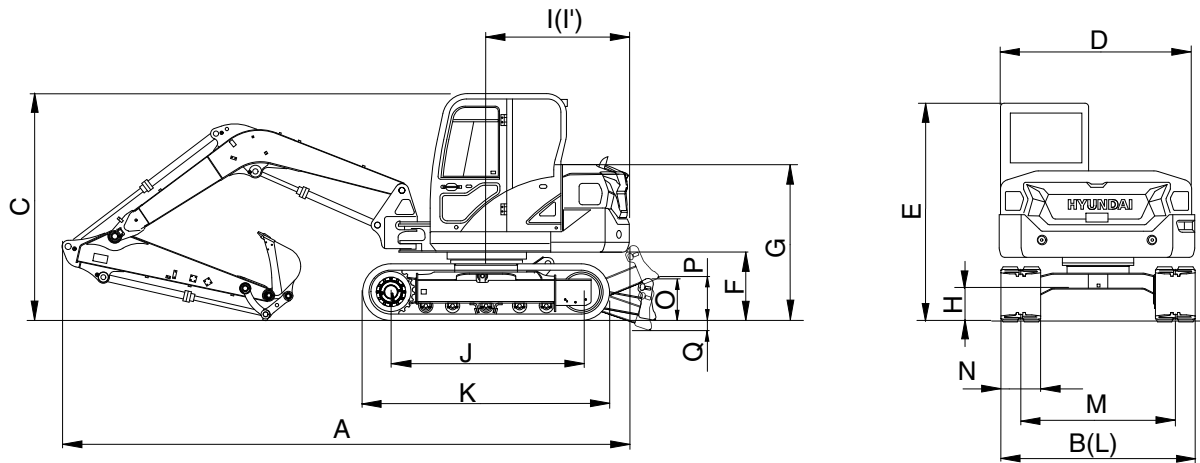


87A2SP02

Description		Unit	Specification
Operating weight		kg (lb)	9355 (20620)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.25 (0.33)
Overall length	A	mm (ft-in)	6730 (22' 1")
Overall width, with 450 mm shoe	B		2300 (7' 7")
Overall width with dozer	-		2300 (7' 7")
Overall height	C		2585 (8' 6")
Superstructure width	D		2270 (7' 5")
Overall height of cab	E		2585 (8' 6")
Ground clearance of counterweight	F		747 (2' 5")
Engine cover height	G		1765 (5' 9")
Minimum ground clearance	H		263 (0' 10")
Rear-end distance	I		1675 (5' 6")
Rear-end swing radius	I'		1675 (5' 6")
Distance between tumblers	J		2270 (7' 5")
Undercarriage length (without grouser)	K		2859 (9' 5")
Undercarriage width	L		2300 (7' 7")
Track gauge	M		1850 (6' 1")
Track shoe width, standard	N		450 (1' 6")
Height of blade	O		454 (1' 6")
Ground clearance of blade up	P		489 (1' 7")
Depth of blade down	Q		506 (1' 8")
Travel speed (Low/high)		km/hr (mph)	2.7/5.2 (1.7/3.2)
Swing speed		rpm	9.5
Gradeability		Degree (%)	30 (58)
Ground pressure (450 mm shoe)		kgf/cm ² (psi)	0.42 (5.97)
Max traction force		kg (lb)	7580 (16710)

2) EUROPE

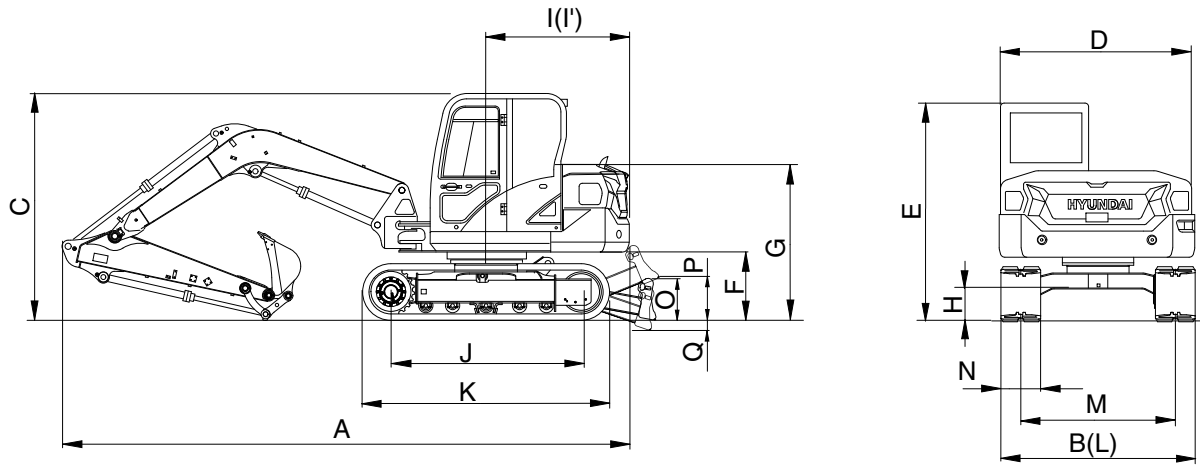
(1) 3.55 m (11' 8") mono boom, 1.75 m (5' 9") arm and 1000 kg counterweight with crawler dozer



87A2SP02

Description		Unit	Specification
Operating weight		kg (lb)	8865 (19540)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.25 (0.33)
Overall length	A	mm (ft-in)	6620 (21' 9")
Overall width, with 450 mm shoe	B		2300 (7' 7")
Overall width with dozer	-		2300 (7' 7")
Overall height	C		2585 (8' 6")
Superstructure width	D		2270 (7' 5")
Overall height of cab	E		2585 (8' 6")
Ground clearance of counterweight	F		747 (2' 5")
Engine cover height	G		1765 (5' 9")
Minimum ground clearance	H		262 (0' 10")
Rear-end distance	I		1600 (5' 3")
Rear-end swing radius	I'		1600 (5' 3")
Distance between tumblers	J		2270 (7' 5")
Undercarriage length (without grouser)	K		2859 (9' 5")
Undercarriage width	L		2300 (7' 7")
Track gauge	M		1850 (6' 1")
Track shoe width, standard	N		450 (1' 6")
Height of blade	O		437 (1' 5")
Ground clearance of blade up	P		428 (1' 5")
Depth of blade down	Q		417 (1' 4")
Travel speed (Low/high)		km/hr (mph)	2.7/5.2 (1.7/3.2)
Swing speed		rpm	9.5
Gradeability		Degree (%)	30 (58)
Ground pressure (450 mm shoe)		kgf/cm ² (psi)	0.40 (5.66)
Max traction force		kg (lb)	7580 (16710)

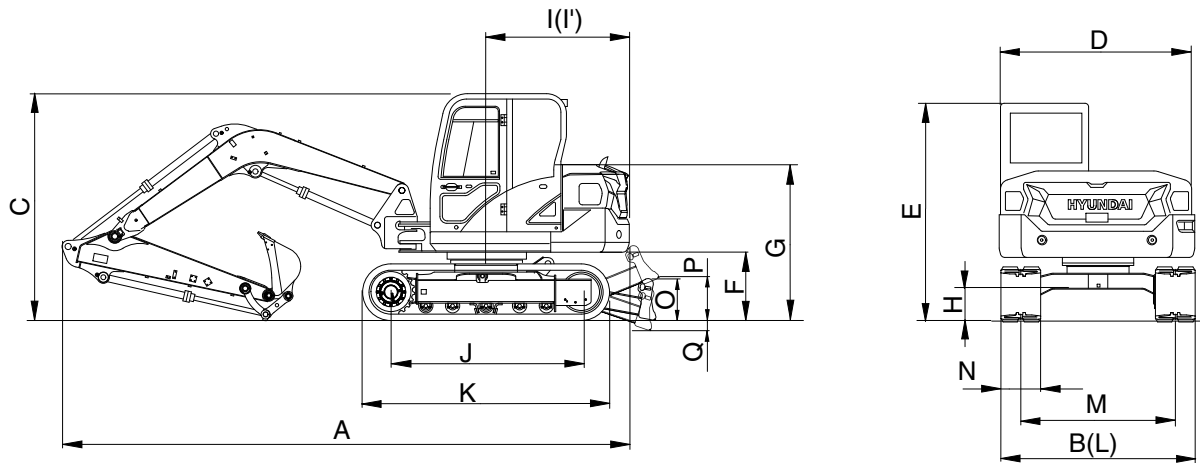
(2) 3.55 m (11' 8") mono boom, 2.10 m (6' 11") long arm and 1150 kg counterweight with crawler dozer



87A2SP02

Description		Unit	Specification
Operating weight		kg (lb)	8845 (19500)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.25 (0.33)
Overall length	A	mm (ft-in)	6700 (22' 0")
Overall width, with 450 mm shoe	B		2300 (7' 7")
Overall width with dozer	-		2300 (7' 7")
Overall height	C		2585 (8' 6")
Superstructure width	D		2270 (7' 5")
Overall height of cab	E		2585 (8' 6")
Ground clearance of counterweight	F		747 (2' 5")
Engine cover height	G		1765 (5' 9")
Minimum ground clearance	H		262 (0' 10")
Rear-end distance	I		1650 (5' 5")
Rear-end swing radius	I'		1650 (5' 5")
Distance between tumblers	J		2270 (7' 5")
Undercarriage length (without grouser)	K		2859 (9' 5")
Undercarriage width	L		2300 (7' 7")
Track gauge	M		1850 (6' 1")
Track shoe width, standard	N		450 (1' 6")
Height of blade	O		437 (1' 5")
Ground clearance of blade up	P		428 (1' 5")
Depth of blade down	Q		417 (1' 4")
Travel speed (Low/high)		km/hr (mph)	2.7/5.2 (1.7/3.2)
Swing speed		rpm	9.5
Gradeability		Degree (%)	30 (58)
Ground pressure (450 mm shoe)		kgf/cm ² (psi)	0.40 (5.64)
Max traction force		kg (lb)	7580 (16710)

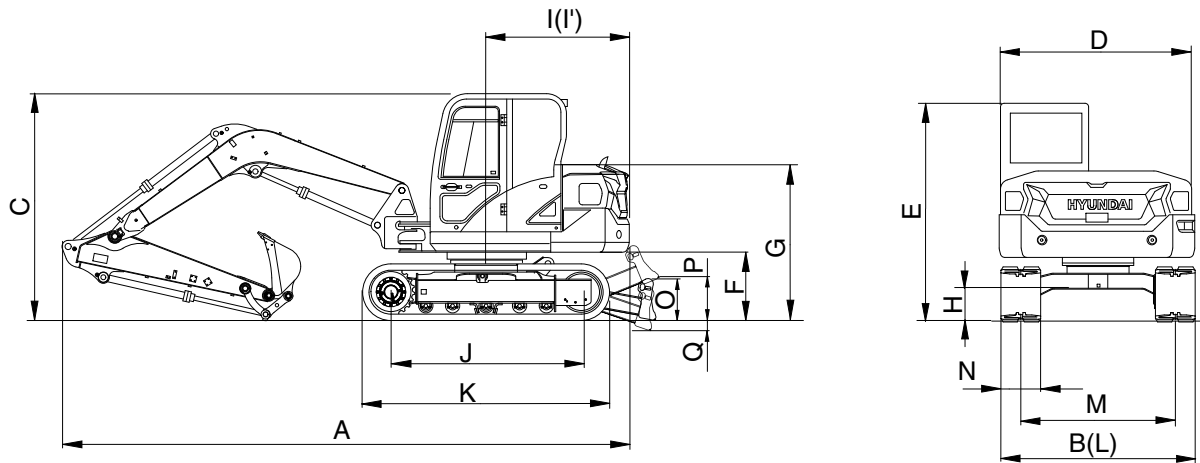
(3) 3.92 m (12' 10") 2-piece boom, 1.75 m (5' 9") arm and 1150 kg counterweight with crawler dozer



87A2SP02

Description		Unit	Specification
Operating weight		kg (lb)	9075 (20010)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.25 (0.33)
Overall length	A	mm (ft-in)	7055 (23' 2")
Overall width, with 450 mm shoe	B		2300 (7' 7")
Overall width with dozer	-		2300 (7' 7")
Overall height	C		2585 (8' 6")
Superstructure width	D		2270 (7' 5")
Overall height of cab	E		2585 (8' 6")
Ground clearance of counterweight	F		747 (2' 5")
Engine cover height	G		1765 (5' 9")
Minimum ground clearance	H		262 (0' 10")
Rear-end distance	I		1650 (5' 5")
Rear-end swing radius	I'		1650 (5' 5")
Distance between tumblers	J		2270 (7' 5")
Undercarriage length (without grouser)	K		2859 (9' 5")
Undercarriage width	L		2300 (7' 7")
Track gauge	M		1850 (6' 1")
Track shoe width, standard	N		450 (1' 6")
Height of blade	O		437 (1' 5")
Ground clearance of blade up	P		428 (1' 5")
Depth of blade down	Q		417 (1' 4")
Travel speed (Low/high)		km/hr (mph)	2.7/5.2 (1.7/3.2)
Swing speed		rpm	9.5
Gradeability		Degree (%)	30 (58)
Ground pressure (450 mm shoe)		kgf/cm ² (psi)	0.41 (5.79)
Max traction force		kg (lb)	7580 (16710)

(4) 3.92 m (12' 10") 2-piece boom, 2.10 m (6' 11") arm and 1250 kg counterweight with crawler dozer

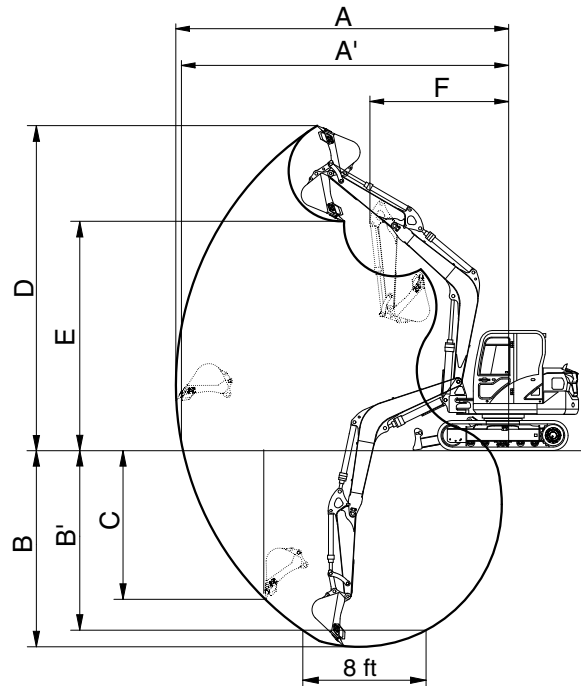


87A2SP02

Description		Unit	Specification
Operating weight		kg (lb)	9210 (20300)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.25 (0.33)
Overall length	A	mm (ft-in)	7050 (23' 2")
Overall width, with 450 mm shoe	B		2300 (7' 7")
Overall width with dozer	-		2300 (7' 7")
Overall height	C		2585 (8' 6")
Superstructure width	D		2270 (7' 5")
Overall height of cab	E		2585 (8' 6")
Ground clearance of counterweight	F		747 (2' 5")
Engine cover height	G		1765 (5' 9")
Minimum ground clearance	H		262 (0' 10")
Rear-end distance	I		1675 (5' 6")
Rear-end swing radius	I'		1675 (5' 6")
Distance between tumblers	J		2270 (7' 5")
Undercarriage length (without grouser)	K		2859 (9' 5")
Undercarriage width	L		2300 (7' 7")
Track gauge	M		1850 (6' 1")
Track shoe width, standard	N		450 (1' 6")
Height of blade	O		437 (1' 5")
Ground clearance of blade up	P		428 (1' 5")
Depth of blade down	Q		417 (1' 4")
Travel speed (Low/high)		km/hr (mph)	2.7/5.2 (1.7/3.2)
Swing speed		rpm	9.5
Gradeability		Degree (%)	30 (58)
Ground pressure (450 mm shoe)		kgf/cm ² (psi)	0.41 (5.87)
Max traction force		kg (lb)	7580 (16710)

3. WORKING RANGE

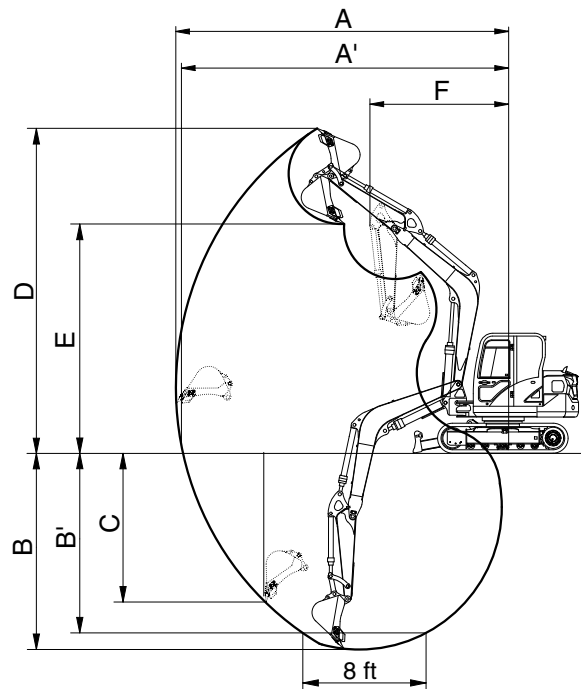
1) MONO BOOM



87A2SP03

Description	m (ft-in)	Boom	3.55 (11' 8")	
		Arm	1.75 (5' 9")	2.10 (6' 11")
Max digging reach	mm (ft-in)	A	7090 (23' 3")	7420 (24' 4")
Max digging reach on ground		A'	6940 (22' 9")	7280 (23' 11")
Max digging depth		B	4240 (13' 11")	4590 (15' 1")
Max digging depth (8 ft level)		B'	3880 (12' 9")	4270 (14' 0")
Max vertical wall digging depth		C	3660 (12' 0")	4010 (13' 2")
Max digging height		D	7035 (23' 1")	7290 (23' 11")
Max dumping height		E	5000 (16' 5")	5250 (17' 3")
Min swing radius		F	2560 (8' 5")	2770 (9' 1")
Boom swing radius (left/right)		70°/60°		
Bucket digging force	kN	SAE	53	53
	kgf		5388	5402
	lbf		11879	11910
	kN	ISO	62	62
	kgf		6267	6283
	lbf		13815	13852
Arm digging force	kN	SAE	40	36
	kgf		4042	3639
	lbf		8911	8022
	kN	ISO	41	37
	kgf		4222	3782
	lbf		9307	8338

2) 2 PCS BOOM



87A2SP03

Description	m (ft-in)	Boom	3.92 (12' 10")	
		Arm	1.75 (5' 9")	2.10 (6' 11")
Max digging reach	mm (ft-in)	A	7550 (24' 9")	7890 (25' 11")
Max digging reach on ground		A'	7400 (24' 3")	7750 (25' 5")
Max digging depth		B	4260 (14' 0")	4610 (15' 1")
Max digging depth (8 ft level)		B'	4100 (13' 5")	4460 (14' 8")
Max vertical wall digging depth		C	3840 (12' 7")	4185 (13' 9")
Max digging height		D	7910 (25' 11")	8230 (27' 0")
Max dumping height		E	5870 (19' 3")	6195 (20' 4")
Min swing radius		F	2470 (8' 1")	2780 (9' 1")
Boom swing radius (left/right)		70°/60°		
Bucket digging force	kN	SAE	53	53
	kgf		5388	5402
	lbf		11879	11910
	kN	ISO	62	62
	kgf		6267	6283
	lbf		13815	13852
Arm digging force	kN	SAE	40	36
	kgf		4042	3639
	lbf		8911	8022
	kN	ISO	41	37
	kgf		4222	3782
	lbf		9307	8338

4. WEIGHT

Item	Qty (EA)	kg	lb
Upperstructure assembly			
· Main frame weld assembly	1	1135	2502
· Engine assembly (including DFP)	1	278	613
· Main pump assembly	1	32	71
· Main control valve assembly	1	90	198
· Swing motor assembly	1	80	176
· Hydraulic oil tank WA	1	67	148
· Fuel tank WA	1	60	132
· Counterweight-casting type	1	1000	2205
· Counterweight-add	1	1150	2535
· Counterweight-cast add increased	1	1250	2756
· Cab assembly	1	455	1003
Lower chassis assembly			
· Track frame weld assembly	1	1004	2213
· Dozer blade assembly	1	337	743
· Swing bearing	1	155	342
· Travel motor assembly	2	170	375
· Turning joint	1	26	57
· Sprocket	2	49	108
· Track recoil spring	2	123	270
· Idler	2	132	291
· Upper roller	2	14	30
· Lower roller	10	155	342
· Track-chain assembly-triple for mini	2	858	1892
· Track-chain assembly-600 mm triple LC	2	1014	2235
· Track-chain assembly-450 mm LC bolt-on type	2	858	1892
· Track-chain assembly-450 mm LC rubber pad	2	908	2002
· Track-chain assembly-rail interlocking	2	800	1764

※ This information is different with operating and transportation weight because it is not including harness, pipe, oil, fuel so on.

※ Refer to transportation for actual weight information and specifications for operating weight.

Item	Qty (EA)	kg	lb
Front attachment assembly			
· Boom assembly-3.55 m mono boom	1	410	904
· Boom assembly-3.92 m 2-piece boom	1	494	1089
· Arm assembly-1.75 m	1	172	379
· Arm assembly- 2.10 m long	1	197	434
· Arm assembly-1.75 m thumb bracket	1	178	392
· Arm assembly-2.10 m thumb bracket	1	202	445
· Bucket assembly-general	1	185	408
· Bucket assembly-heavy duty	1	248	547
· Boom cylinder assembly	1	115	254
· Arm cylinder assembly	1	67	148
· Bucket cylinder assembly	1	59	130
· Dozer cylinder assembly	1	80	176
· Bucket control linkage total	1	70	154

※ This information is different with operating and transportation weight because it is not including harness, pipe, oil, fuel so on.

※ Refer to transportation for actual weight information and specifications for operating weight.

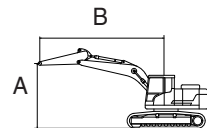
5. LIFTING CAPACITIES











1) COUNTERWEIGHT 1000 KG

Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	1750	1000	450	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m	kg									*2500	*2500	3.21
(19.7 ft)	lb									*5510	*5510	(10.5)
4.5 m	kg					*2080	1890			*2130	1580	5.02
(14.8 ft)	lb					*4590	4170			*4700	3480	(16.5)
3.0 m	kg			*3260	*3260	*2360	1840			*2030	1230	5.81
(9.8 ft)	lb			*7190	*7190	*5200	4060			*4480	2710	(19.1)
1.5 m	kg					*2900	1740	*2180	1150	*2150	1130	6.06
(4.9 ft)	lb					*6390	3840	*4810	2540	*4740	2490	(19.9)
Ground Line	kg			*3610	3030	*3180	1670			*2220	1160	5.87
	lb			*7960	6680	*7010	3680			*4890	2560	(19.2)
-1.5 m	kg	*3910	*3910	*4660	3050	*2860	1670			*2260	1390	5.16
(-4.9 ft)	lb	*8620	*8620	*10270	6720	*6310	3680			*4980	3060	(16.9)
-3.0 m	kg			*2550	*2550					*1960	*1960	3.57
(-9.8 ft)	lb			*5620	*5620					*4320	*4320	(11.7)

※ Note

- Lifting capacity are based on ISO 10567.
- Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- *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.

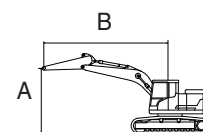
※ Please be aware of the local regulations and instructions for lifting operations.











▲ 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.

Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	CRAWLER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
	DOZER	3550	1750	1000	450	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m	kg									*2500	*2500	3.21
(19.7 ft)	lb									*5510	*5510	(10.5)
4.5 m	kg					2030	1750			1680	1460	5.02
(14.8 ft)	lb					4480	3860			3700	3220	(16.5)
3.0 m	kg			*3260	3180	1970	1700			1310	1140	5.81
(9.8 ft)	lb			*7190	7010	4340	3750			2890	2510	(19.1)
1.5 m	kg					1870	1600	1220	1060	1200	1040	6.06
(4.9 ft)	lb					4120	3530	2690	2340	2650	2290	(19.9)
Ground	kg			3350	2750	1800	1530			1240	1070	5.87
Line	lb			7390	6060	3970	3370			2730	2360	(19.2)
-1.5 m	kg	*3910	*3910	3380	2770	1790	1530			1480	1280	5.16
(-4.9 ft)	lb	*8620	*8620	7450	6110	3950	3370			3260	2820	(16.9)
-3.0 m	kg			*2550	*2550					*1960	*1960	3.57
(-9.8 ft)	lb			*5620	*5620					*4320	*4320	(11.7)

※ Note

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of the HX 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.

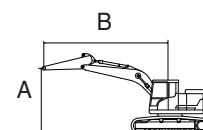
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	2100	1000	450	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach	
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity	Reach
											 m (ft)
6.0 m	kg									*2120	3.88
(19.7 ft)	lb									*4670	(12.7)
4.5 m	kg					*1840	*1840			*1830	5.43
(14.8 ft)	lb					*4060	*4060			*4030	(17.8)
3.0 m	kg			*2720	*2720	*2150	1850	*1950	1170	*1750	6.15
(9.8 ft)	lb			*6000	*6000	*4740	4080	*4300	2580	*3860	(20.2)
1.5 m	kg					*2740	1740	*2100	1140	*1840	6.39
(4.9 ft)	lb					*6040	3840	*4630	2510	*4060	(21.0)
Ground	kg			*3720	3010	*3130	1660	*2170	1110	*2060	6.21
Line	lb			*8200	6640	*6900	3660	*4780	2450	*4540	(20.4)
-1.5 m	kg	*3290	*3290	*4970	3010	*2990	1640			*2120	5.56
(-4.9 ft)	lb	*7250	*7250	*10960	6640	*6590	3620			*4670	(18.2)
-3.0 m	kg			*3280	3100					*2020	4.16
(-9.8 ft)	lb			*7230	6830					*4450	(13.7)

※ Note

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3. The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. *indicates load limited by hydraulic capacity.

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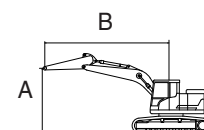
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	2100	1000	450	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach	
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity	Reach
											 m (ft)
6.0 m	kg									*2120	3.88
(19.7 ft)	lb									*4670	(12.7)
4.5 m	kg					*1840	1770			1480	5.43
(14.8 ft)	lb					*4060	3900			3260	(17.8)
3.0 m	kg			*2720	*2720	1980	1710	1250	1080	1190	6.15
(9.8 ft)	lb			*6000	*6000	4370	3770	2760	2380	2620	(20.2)
1.5 m	kg					1870	1600	1210	1050	1100	6.39
(4.9 ft)	lb					4120	3530	2670	2310	2430	(21.0)
Ground	kg			3340	2730	1790	1520	1180	1020	1130	6.21
Line	lb			7360	6020	3950	3350	2600	2250	2490	(20.4)
-1.5 m	kg	*3290	*3290	3340	2730	1770	1500			1320	5.56
(-4.9 ft)	lb	*7250	*7250	7360	6020	3900	3310			2910	(18.2)
-3.0 m	kg			*3280	2820					*2020	4.16
(-9.8 ft)	lb			*7230	6220					*4450	(13.7)

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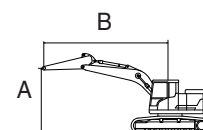
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
MONO BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	1750	1000	450	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2500 *5510	*2500 *5510	3.21 (10.5)
4.5 m (14.8 ft)	kg lb					*2080 *4590	1940 4280			*2130 *4700	1610 3550	5.02 (16.5)
3.0 m (9.8 ft)	kg lb			*3260 *7190	*3260 *7190	*2360 *5200	1880 4140			*2030 *4480	1260 2780	5.81 (19.1)
1.5 m (4.9 ft)	kg lb					*2900 *6390	1780 3920	*2180 *4810	1180 2600	*2150 *4740	1160 2560	6.06 (19.9)
Ground Line	kg lb			*3610 *7960	3100 6830	*3180 *7010	1710 3770			*2220 *4890	1190 2620	5.87 (19.2)
-1.5 m (-4.9 ft)	kg lb	*3910 *8620	*3910 *8620	*4660 *10270	3120 6880	*2860 *6310	1710 3770			*2260 *4980	1420 3130	5.16 (16.9)
-3.0 m (-9.8 ft)	kg lb			*2550 *5620	*2550 *5620					*1960 *4320	*1960 *4320	3.57 (11.7)

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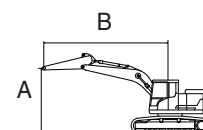
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
MONO BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	1750	1000	450	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach	
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity	Reach
											 m (ft)
6.0 m	kg									*2500	3.21
(19.7 ft)	lb									*5510	(10.5)
4.5 m	kg					2000	1800			1650	5.02
(14.8 ft)	lb					4410	3970			3640	(16.5)
3.0 m	kg			*3260	*3260	1940	1750			1290	5.81
(9.8 ft)	lb			*7190	*7190	4280	3860			2840	(19.1)
1.5 m	kg					1840	1650	1200	1090	1180	6.06
(4.9 ft)	lb					4060	3640	2650	2400	2600	(19.9)
Ground	kg			3300	2840	1770	1590			1210	5.87
Line	lb			7280	6260	3900	3510			2670	(19.2)
-1.5 m	kg	*3910	*3910	3320	2860	1760	1580			1460	5.16
(-4.9 ft)	lb	*8620	*8620	7320	6310	3880	3480			3220	(16.9)
-3.0 m	kg			*2550	*2550					*1960	3.57
(-9.8 ft)	lb			*5620	*5620					*4320	(11.7)

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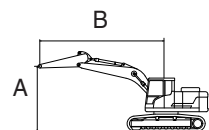
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
MONO BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	2100	1000	450	-	Down	-	-	-

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·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach	
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity	Reach
											 m (ft)
6.0 m	kg									*2120	3.88
(19.7 ft)	lb									*4670	(12.7)
4.5 m	kg					*1840	*1840			*1830	5.43
(14.8 ft)	lb					*4060	*4060			*4030	(17.8)
3.0 m	kg			*2720	*2720	*2150	1890	*1950	1200	*1750	6.15
(9.8 ft)	lb			*6000	*6000	*4740	4170	*4300	2650	*3860	(20.2)
1.5 m	kg					*2740	1790	*2100	1170	*1840	6.39
(4.9 ft)	lb					*6040	3950	*4630	2580	*4060	(21.0)
Ground	kg			*3720	3080	*3130	1700	*2170	1140	*2060	6.21
Line	lb			*8200	6790	*6900	3750	*4780	2510	*4540	(20.4)
-1.5 m	kg	*3290	*3290	*4970	3080	*2990	1680			*2120	5.56
(-4.9 ft)	lb	*7250	*7250	*10960	6790	*6590	3700			*4670	(18.2)
-3.0 m	kg			*3280	3170					*2020	4.16
(-9.8 ft)	lb			*7230	6990					*4450	(13.7)

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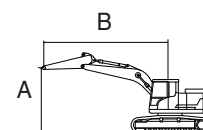
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
MONO BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	2100	1000	450	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m	kg									*2120	*2120	3.88
(19.7 ft)	lb									*4670	*4670	(12.7)
4.5 m	kg					*1840	1820			1460	1330	5.43
(14.8 ft)	lb					*4060	4010			3220	2930	(17.8)
3.0 m	kg			*2720	*2720	1950	1760	1230	1120	1170	1070	6.15
(9.8 ft)	lb			*6000	*6000	4300	3880	2710	2470	2580	2360	(20.2)
1.5 m	kg					1840	1660	1190	1090	1080	990	6.39
(4.9 ft)	lb					4060	3660	2620	2400	2380	2180	(21.0)
Ground	kg			3280	2820	1760	1580	1160	1060	1110	1010	6.21
Line	lb			7230	6220	3880	3480	2560	2340	2450	2230	(20.4)
-1.5 m	kg	*3290	*3290	3280	2820	1740	1560			1290	1170	5.56
(-4.9 ft)	lb	*7250	*7250	7230	6220	3840	3440			2840	2580	(18.2)
-3.0 m	kg			*3280	2910					2010	1800	4.16
(-9.8 ft)	lb			*7230	6420					4430	3970	(13.7)

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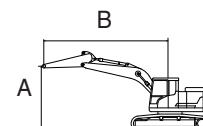
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2) COUNTERWEIGHT 1150 KG

Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	1750	1150	450	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m	kg									*2500	*2500	3.21
(19.7 ft)	lb									*5510	*5510	(10.5)
4.5 m	kg					*2080	1980			*2130	1650	5.02
(14.8 ft)	lb					*4590	4370			*4700	3640	(16.5)
3.0 m	kg			*3260	*3260	*2360	1920			*2030	1290	5.81
(9.8 ft)	lb			*7190	*7190	*5200	4230			*4480	2840	(19.1)
1.5 m	kg					*2900	1820	*2180	1200	*2150	1190	6.06
(4.9 ft)	lb					*6390	4010	*4810	2650	*4740	2620	(19.9)
Ground	kg			*3610	3180	*3180	1760			*2220	1220	5.87
Line	lb			*7960	7010	*7010	3880			*4890	2690	(19.2)
-1.5 m	kg	*3910	*3910	*4660	3200	*2860	1750			*2260	1460	5.16
(-4.9 ft)	lb	*8620	*8620	*10270	7050	*6310	3860			*4980	3220	(16.9)
-3.0 m	kg			*2550	*2550					*1960	*1960	3.57
(-9.8 ft)	lb			*5620	*5620					*4320	*4320	(11.7)

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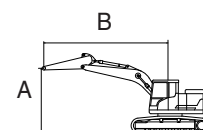
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






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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	1750	1150	450	-	Up	-	-	-

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Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2500 *5510	*2500 *5510	3.21 (10.5)
4.5 m (14.8 ft)	kg lb					*2080 *4590	1830 4030			1760 3880	1530 3370	5.02 (16.5)
3.0 m (9.8 ft)	kg lb			*3260 *7190	*3260 *7190	2060 4540	1780 3920			1380 3040	1200 2650	5.81 (19.1)
1.5 m (4.9 ft)	kg lb					1960 4320	1680 3700	1280 2820	1110 2450	1260 2780	1090 2400	6.06 (19.9)
Ground Line	kg lb			3520 7760	2890 6370	1890 4170	1610 3550			1300 2870	1130 2490	5.87 (19.2)
-1.5 m (-4.9 ft)	kg lb	*3910 *8620	*3910 *8620	3550 7830	2910 6420	1880 4140	1610 3550			1560 3440	1340 2950	5.16 (16.9)
-3.0 m (-9.8 ft)	kg lb			*2550 *5620	*2550 *5620					*1960 *4320	*1960 *4320	3.57 (11.7)

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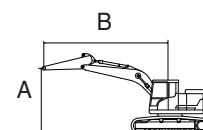
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




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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
MONO BOOM	CRAWLER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
	DOZER	3550	2100	1150	450	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m	kg									*2120	*2120	3.88
(19.7 ft)	lb									*4670	*4670	(12.7)
4.5 m	kg					*1840	*1840			*1830	1460	5.43
(14.8 ft)	lb					*4060	*4060			*4030	3220	(17.8)
3.0 m	kg			*2720	*2720	*2150	1940	*1950	1230	*1750	1180	6.15
(9.8 ft)	lb			*6000	*6000	*4740	4280	*4300	2710	*3860	2600	(20.2)
1.5 m	kg					*2740	1830	*2100	1200	*1840	1090	6.39
(4.9 ft)	lb					*6040	4030	*4630	2650	*4060	2400	(21.0)
Ground	kg			*3720	3160	*3130	1750	*2170	1170	*2060	1120	6.21
Line	lb			*8200	6970	*6900	3860	*4780	2580	*4540	2470	(20.4)
-1.5 m	kg	*3290	*3290	*4970	3160	*2990	1730			*2120	1300	5.56
(-4.9 ft)	lb	*7250	*7250	*10960	6970	*6590	3810			*4670	2870	(18.2)
-3.0 m	kg			*3280	3250					*2020	1990	4.16
(-9.8 ft)	lb			*7230	7170					*4450	4390	(13.7)

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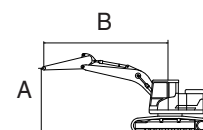
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
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	2100	1150	450	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2120 *4670	*2120 *4670	3.88 (12.7)
4.5 m (14.8 ft)	kg lb					*1840 *4060	*1840 *4060			1560 3440	1350 2980	5.43 (17.8)
3.0 m (9.8 ft)	kg lb			*2720 *6000	*2720 *6000	2080 4590	1790 3950	1310 2890	1140 2510	1250 2760	1090 2400	6.15 (20.2)
1.5 m (4.9 ft)	kg lb					1960 4320	1690 3730	1280 2820	1110 2450	1160 2560	1000 2200	6.39 (21.0)
Ground Line	kg lb			3500 7720	2870 6330	1880 4140	1600 3530	1250 2760	1080 2380	1190 2620	1030 2270	6.21 (20.4)
-1.5 m (-4.9 ft)	kg lb	*3290 *7250	*3290 *7250	3500 7720	2870 6330	1860 4100	1580 3480			1390 3060	1200 2650	5.56 (18.2)
-3.0 m (-9.8 ft)	kg lb			*3280 *7230	2960 6530					*2020 *4450	1830 4030	4.16 (13.7)

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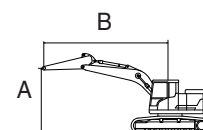
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






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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	1750	1150	450	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m	kg	*3010	*3010					*2700	2200	4.11
(19.7 ft)	lb	*6640	*6640					*5950	4850	(13.5)
4.5 m	kg	*2870	*2870	*2370	1930			*2180	1330	5.58
(14.8 ft)	lb	*6330	*6330	*5220	4250			*4810	2930	(18.3)
3.0 m	kg			*2670	1830	*2070	1160	*1990	1070	6.29
(9.8 ft)	lb			*5890	4030	*4560	2560	*4390	2360	(20.6)
1.5 m	kg			*3010	1700	*2110	1120	*1870	990	6.52
(4.9 ft)	lb			*6640	3750	*4650	2470	*4120	2180	(21.4)
Ground	kg			*2960	1620	*1970	1090	*1730	1020	6.34
Line	lb			*6530	3570	*4340	2400	*3810	2250	(20.8)
-1.5 m	kg	*3260	3010	*2360	1620			*1460	1190	5.71
(-4.9 ft)	lb	*7190	6640	*5200	3570			*3220	2620	(18.7)

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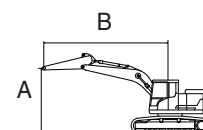
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






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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	1750	1150	450	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m	kg	*3010	*3010					2380	2030	4.11
(19.7 ft)	lb	*6640	*6640					5250	4480	(13.5)
4.5 m	kg	*2870	*2870	2070	1780			1420	1220	5.58
(14.8 ft)	lb	*6330	*6330	4560	3920			3130	2690	(18.3)
3.0 m	kg			1970	1680	1240	1070	1150	980	6.29
(9.8 ft)	lb			4340	3700	2730	2360	2540	2160	(20.6)
1.5 m	kg			1830	1550	1200	1030	1060	910	6.52
(4.9 ft)	lb			4030	3420	2650	2270	2340	2010	(21.4)
Ground	kg			1760	1480	1170	1000	1090	930	6.34
Line	lb			3880	3260	2580	2200	2400	2050	(20.8)
-1.5 m	kg	*3260	2720	1760	1480			1280	1090	5.71
(-4.9 ft)	lb	*7190	6000	3880	3260			2820	2400	(18.7)

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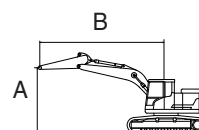
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




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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	2100	1150	450	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m	kg			*2330	1930			*2300	1790	4.68
(19.7 ft)	lb			*5140	4250			*5070	3950	(15.3)
4.5 m	kg			*2200	1950			*1890	1180	5.99
(14.8 ft)	lb			*4850	4300			*4170	2600	(19.6)
3.0 m	kg			*2520	1850	*1990	1170	*1790	980	6.64
(9.8 ft)	lb			*5560	4080	*4390	2580	*3950	2160	(21.8)
1.5 m	kg			*2930	1710	*2080	1120	*1740	910	6.86
(4.9 ft)	lb			*6460	3770	*4590	2470	*3840	2010	(22.5)
Ground	kg			*3000	1610	*2030	1080	*1620	930	6.69
Line	lb			*6610	3550	*4480	2380	*3570	2050	(22.0)
-1.5 m	kg	*3750	2950	*2530	1600	*1530	1080	*1410	1060	6.10
(-4.9 ft)	lb	*8270	6500	*5580	3530	*3370	2380	*3110	2340	(20.0)
-3.0 m	kg	*1900	*1900	*1260	*1260			*870	*870	4.90
(-9.8 ft)	lb	*4190	*4190	*2780	*2780			*1920	*1920	(16.1)

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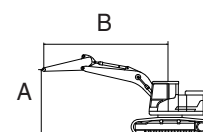
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






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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	2100	1150	450	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg			2070	1780			1930	1650	4.68
	lb			4560	3920			4250	3640	(15.3)
4.5 m (14.8 ft)	kg			2100	1800			1270	1090	5.99
	lb			4630	3970			2800	2400	(19.6)
3.0 m (9.8 ft)	kg			2000	1700	1250	1070	1050	900	6.64
	lb			4410	3750	2760	2360	2310	1980	(21.8)
1.5 m (4.9 ft)	kg			1840	1560	1200	1020	970	830	6.86
	lb			4060	3440	2650	2250	2140	1830	(22.5)
Ground Line	kg			1750	1470	1160	980	990	850	6.69
	lb			3860	3240	2560	2160	2180	1870	(22.0)
-1.5 m (-4.9 ft)	kg	3300	2660	1730	1450	1160	990	1140	970	6.10
	lb	7280	5860	3810	3200	2560	2180	2510	2140	(20.0)
-3.0 m (-9.8 ft)	kg	*1900	*1900	*1260	*1260			*870	*870	4.90
	lb	*4190	*4190	*2780	*2780			*1920	*1920	(16.1)

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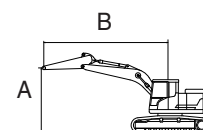
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
MONO BOOM	ANGLE BLADE	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	1750	1150	450	-	Down	-	-	-

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Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2500 *5510	*2500 *5510	3.21 (10.5)
4.5 m (14.8 ft)	kg lb					*2080 *4590	2020 4450			*2130 *4700	1690 3730	5.02 (16.5)
3.0 m (9.8 ft)	kg lb			*3260 *7190	*3260 *7190	*2360 *5200	1960 4320			*2030 *4480	1320 2910	5.81 (19.1)
1.5 m (4.9 ft)	kg lb					*2900 *6390	1860 4100	*2180 *4810	1230 2710	*2150 *4740	1220 2690	6.06 (19.9)
Ground Line	kg lb			*3610 *7960	3250 7170	*3180 *7010	1800 3970			*2220 *4890	1250 2760	5.87 (19.2)
-1.5 m (-4.9 ft)	kg lb	*3910 *8620	*3910 *8620	*4660 *10270	3270 7210	*2860 *6310	1790 3950			*2260 *4980	1490 3280	5.16 (16.9)
-3.0 m (-9.8 ft)	kg lb			*2550 *5620	*2550 *5620					*1960 *4320	*1960 *4320	3.57 (11.7)

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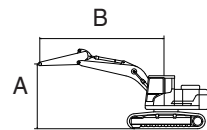
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




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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
MONO BOOM	ANGLE BLADE	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	1750	1150	450	-	Up	-	-	-

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Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2500 *5510	*2500 *5510	3.21 (10.5)
4.5 m (14.8 ft)	kg lb					*2080 *4590	1880 4140			1730 3810	1570 3460	5.02 (16.5)
3.0 m (9.8 ft)	kg lb			*3260 *7190	*3260 *7190	2030 4480	1830 4030			1350 2980	1230 2710	5.81 (19.1)
1.5 m (4.9 ft)	kg lb					1930 4250	1730 3810	1260 2780	1150 2540	1240 2730	1130 2490	6.06 (19.9)
Ground Line	kg lb			3470 7650	2980 6570	1860 4100	1670 3680			1280 2820	1160 2560	5.87 (19.2)
-1.5 m (-4.9 ft)	kg lb	*3910 *8620	*3910 *8620	3490 7690	3000 6610	1850 4080	1660 3660			1530 3370	1390 3060	5.16 (16.9)
-3.0 m (-9.8 ft)	kg lb			*2550 *5620	*2550 *5620					*1960 *4320	*1960 *4320	3.57 (11.7)

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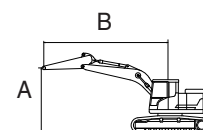
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	ANGLE BLADE	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	2100	1150	450	-	Down	-	-	-

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·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2120 *4670	*2120 *4670	3.88 (12.7)
4.5 m (14.8 ft)	kg lb					*1840 *4060	*1840 *4060			*1830 *4030	1490 3280	5.43 (17.8)
3.0 m (9.8 ft)	kg lb			*2720 *6000	*2720 *6000	*2150 *4740	1980 4370	*1950 *4300	1260 2780	*1750 *3860	1210 2670	6.15 (20.2)
1.5 m (4.9 ft)	kg lb					*2740 *6040	1870 4120	*2100 *4630	1230 2710	*1840 *4060	1120 2470	6.39 (21.0)
Ground Line	kg lb			*3720 *8200	3230 7120	*3130 *6900	1790 3950	*2170 *4780	1200 2650	*2060 *4540	1140 2510	6.21 (20.4)
-1.5 m (-4.9 ft)	kg lb	*3290 *7250	*3290 *7250	*4970 *10960	3230 7120	*2990 *6590	1770 3900			*2120 *4670	1330 2930	5.56 (18.2)
-3.0 m (-9.8 ft)	kg lb			*3280 *7230	*3280 *7230					*2020 *4450	*2020 *4450	4.16 (13.7)

※ Note

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

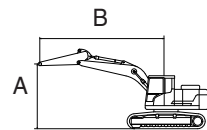
※ Please be aware of the local regulations and instructions for lifting operations.











▲ 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.

Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
MONO BOOM	ANGLE BLADE	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	2100	1150	450	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2120 *4670	*2120 *4670	3.88 (12.7)
4.5 m (14.8 ft)	kg lb					*1840 *4060	*1840 *4060			1530 3370	1390 3060	5.43 (17.8)
3.0 m (9.8 ft)	kg lb			*2720 *6000	*2720 *6000	2050 4520	1840 4060	1290 2840	1180 2600	1230 2710	1130 2490	6.15 (20.2)
1.5 m (4.9 ft)	kg lb					1930 4250	1740 3840	1260 2780	1140 2510	1140 2510	1040 2290	6.39 (21.0)
Ground Line	kg lb			3450 7610	2960 6530	1850 4080	1660 3660	1220 2690	1110 2450	1170 2580	1060 2340	6.21 (20.4)
-1.5 m (-4.9 ft)	kg lb	*3290 *7250	*3290 *7250	3450 7610	2960 6530	1830 4030	1640 3620			1360 3000	1240 2730	5.56 (18.2)
-3.0 m (-9.8 ft)	kg lb			*3280 *7230	3050 6720					*2020 *4450	1890 4170	4.16 (13.7)

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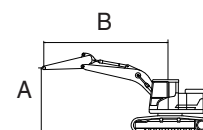
※ Please be aware of the local regulations and instructions for lifting operations.









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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	ANGLE BLADE	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	1750	1150	450	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg	*3010	*3010					*2700	2240	4.11
	lb	*6640	*6640					*5950	4940	(13.5)
4.5 m (14.8 ft)	kg	*2870	*2870	*2370	1970			*2180	1360	5.58
	lb	*6330	*6330	*5220	4340			*4810	3000	(18.3)
3.0 m (9.8 ft)	kg			*2670	1870	*2070	1190	*1990	1100	6.29
	lb			*5890	4120	*4560	2620	*4390	2430	(20.6)
1.5 m (4.9 ft)	kg			*3010	1740	*2110	1150	*1870	1020	6.52
	lb			*6640	3840	*4650	2540	*4120	2250	(21.4)
Ground Line	kg			*2960	1660	*1970	1120	*1730	1040	6.34
	lb			*6530	3660	*4340	2470	*3810	2290	(20.8)
-1.5 m (-4.9 ft)	kg	*3260	3080	*2360	1660			*1460	1220	5.71
	lb	*7190	6790	*5200	3660			*3220	2690	(18.7)

※ Note

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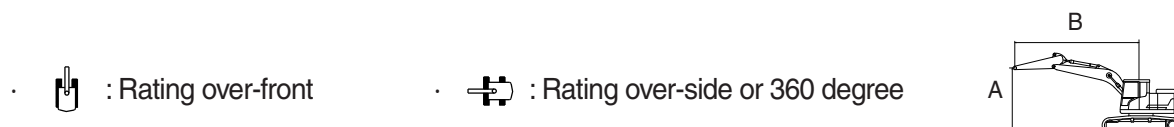
The difference between the weight of a work tool attachment must be subtracted.









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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	ANGLE BLADE	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	1750	1150	450	-	Up	-	-	-



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg	*3010	*3010					2340	2080	4.11
	lb	*6640	*6640					5160	4590	(13.5)
4.5 m (14.8 ft)	kg	*2870	*2870	2040	1830			1400	1260	5.58
	lb	*6330	*6330	4500	4030			3090	2780	(18.3)
3.0 m (9.8 ft)	kg			1940	1740	1220	1110	1130	1020	6.29
	lb			4280	3840	2690	2450	2490	2250	(20.6)
1.5 m (4.9 ft)	kg			1800	1600	1180	1060	1040	940	6.52
	lb			3970	3530	2600	2340	2290	2070	(21.4)
Ground Line	kg			1730	1530	1150	1040	1070	960	6.34
	lb			3810	3370	2540	2290	2360	2120	(20.8)
-1.5 m (-4.9 ft)	kg	*3260	2810	1730	1530			1250	1130	5.71
	lb	*7190	6190	3810	3370			2760	2490	(18.7)

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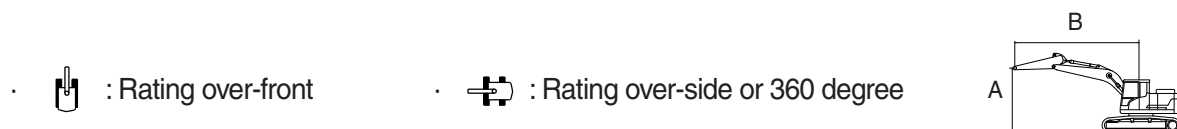
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	ANGLE BLADE	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	2100	1150	450	-	Down	-	-	-



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m	kg			*2330	1970			*2300	1830	4.68
(19.7 ft)	lb			*5140	4340			*5070	4030	(15.3)
4.5 m	kg			*2200	1990			*1890	1210	5.99
(14.8 ft)	lb			*4850	4390			*4170	2670	(19.6)
3.0 m	kg			*2520	1890	*1990	1200	*1790	1000	6.64
(9.8 ft)	lb			*5560	4170	*4390	2650	*3950	2200	(21.8)
1.5 m	kg			*2930	1750	*2080	1150	*1740	930	6.86
(4.9 ft)	lb			*6460	3860	*4590	2540	*3840	2050	(22.5)
Ground	kg			*3000	1650	*2030	1110	*1620	950	6.69
Line	lb			*6610	3640	*4480	2450	*3570	2090	(22.0)
-1.5 m	kg	*3750	3020	*2530	1640	*1530	1110	*1410	1090	6.10
(-4.9 ft)	lb	*8270	6660	*5580	3620	*3370	2450	*3110	2400	(20.0)
-3.0 m	kg	*1900	*1900	*1260	*1260			*870	*870	4.90
(-9.8 ft)	lb	*4190	*4190	*2780	*2780			*1920	*1920	(16.1)

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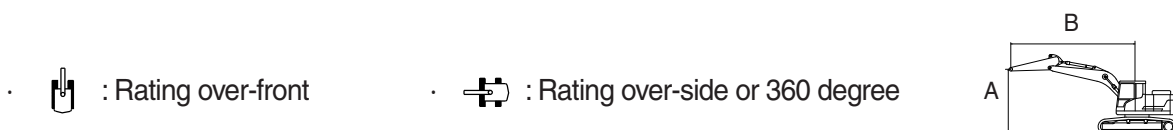
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	ANGLE BLADE	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	2100	1150	450	-	Up	-	-	-



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg			2040	1830			1900	1700	4.68
	lb			4500	4030			4190	3750	(15.3)
4.5 m (14.8 ft)	kg			2070	1850			1240	1130	5.99
	lb			4560	4080			2730	2490	(19.6)
3.0 m (9.8 ft)	kg			1970	1760	1230	1110	1030	930	6.64
	lb			4340	3880	2710	2450	2270	2050	(21.8)
1.5 m (4.9 ft)	kg			1810	1610	1180	1060	950	860	6.86
	lb			3990	3550	2600	2340	2090	1900	(22.5)
Ground Line	kg			1720	1520	1140	1020	970	880	6.69
	lb			3790	3350	2510	2250	2140	1940	(22.0)
-1.5 m (-4.9 ft)	kg	3240	2750	1700	1500	1140	1030	1120	1010	6.10
	lb	7140	6060	3750	3310	2510	2270	2470	2230	(20.0)
-3.0 m (-9.8 ft)	kg	*1900	*1900	*1260	*1260			*870	*870	4.90
	lb	*4190	*4190	*2780	*2780			*1920	*1920	(16.1)

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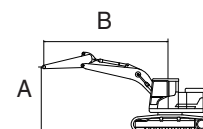
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
3) COUNTERWEIGHT 1250 KG

Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	1750	1250	450	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2500 *5510	*2500 *5510	3.21 (10.5)
4.5 m (14.8 ft)	kg lb					*2080 *4590	2030 4480			*2130 *4700	1700 3750	5.02 (16.5)
3.0 m (9.8 ft)	kg lb			*3260 *7190	*3260 *7190	*2360 *5200	1980 4370			*2030 *4480	1340 2950	5.81 (19.1)
1.5 m (4.9 ft)	kg lb					*2900 *6390	1880 4140	*2180 *4810	1240 2730	*2150 *4740	1230 2710	6.06 (19.9)
Ground Line	kg lb			*3610 *7960	3280 7230	*3180 *7010	1810 3990			*2220 *4890	1260 2780	5.87 (19.2)
-1.5 m (-4.9 ft)	kg lb	*3910 *8620	*3910 *8620	*4660 *10270	3300 7280	*2860 *6310	1810 3990			*2260 *4980	1510 3330	5.16 (16.9)
-3.0 m (-9.8 ft)	kg lb			*2550 *5620	*2550 *5620					*1960 *4320	*1960 *4320	3.57 (11.7)

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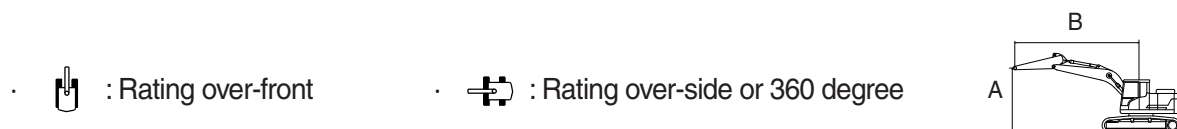
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








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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
MONO BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	1750	1250	450	-	Up	-	-	-



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2500 *5510	*2500 *5510	3.21 (10.5)
4.5 m (14.8 ft)	kg lb					*2080 *4590	1890 4170			1810 3990	1570 3460	5.02 (16.5)
3.0 m (9.8 ft)	kg lb			*3260 *7190	*3260 *7190	2120 4670	1830 4030			1420 3130	1240 2730	5.81 (19.1)
1.5 m (4.9 ft)	kg lb					2020 4450	1740 3840	1320 2910	1150 2540	1300 2870	1130 2490	6.06 (19.9)
Ground Line	kg lb			*3610 *7960	2980 6570	1950 4300	1670 3680			1340 2950	1170 2580	5.87 (19.2)
-1.5 m (-4.9 ft)	kg lb	*3910 *8620	*3910 *8620	3660 8070	3010 6640	1950 4300	1660 3660			1610 3550	1390 3060	5.16 (16.9)
-3.0 m (-9.8 ft)	kg lb			*2550 *5620	*2550 *5620					*1960 *4320	*1960 *4320	3.57 (11.7)

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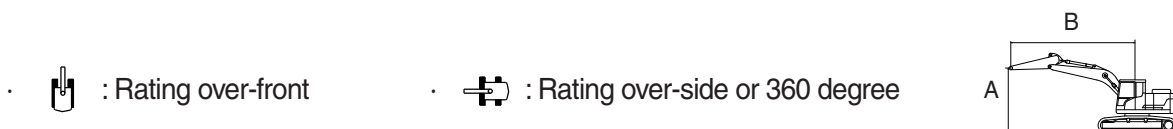
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	2100	1250	450	-	Down	-	-	-



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2120 *4670	*2120 *4670	3.88 (12.7)
4.5 m (14.8 ft)	kg lb					*1840 *4060	*1840 *4060			*1830 *4030	1510 3330	5.43 (17.8)
3.0 m (9.8 ft)	kg lb			*2720 *6000	*2720 *6000	*2150 *4740	1990 4390	*1950 *4300	1270 2800	*1750 *3860	1220 2690	6.15 (20.2)
1.5 m (4.9 ft)	kg lb					*2740 *6040	1890 4170	*2100 *4630	1240 2730	*1840 *4060	1130 2490	6.39 (21.0)
Ground Line	kg lb			*3720 *8200	3260 7190	*3130 *6900	1800 3970	*2170 *4780	1210 2670	*2060 *4540	1150 2540	6.21 (20.4)
-1.5 m (-4.9 ft)	kg lb	*3290 *7250	*3290 *7250	*4970 *10960	3260 7190	*2990 *6590	1780 3920			*2120 *4670	1340 2950	5.56 (18.2)
-3.0 m (-9.8 ft)	kg lb			*3280 *7230	*3280 *7230					*2020 *4450	*2020 *4450	4.16 (13.7)

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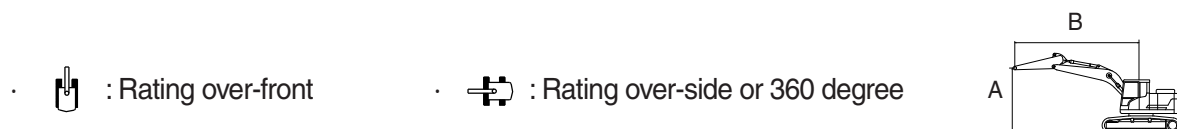
The difference between the weight of a work tool attachment must be subtracted.











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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	2100	1250	450	-	Up	-	-	-



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2120 *4670	*2120 *4670	3.88 (12.7)
4.5 m (14.8 ft)	kg lb					*1840 *4060	*1840 *4060			1600 3530	1400 3090	5.43 (17.8)
3.0 m (9.8 ft)	kg lb			*2720 *6000	*2720 *6000	2140 4720	1850 4080	1350 2980	1180 2600	1300 2870	1130 2490	6.15 (20.2)
1.5 m (4.9 ft)	kg lb					2030 4480	1740 3840	1320 2910	1150 2540	1200 2650	1040 2290	6.39 (21.0)
Ground Line	kg lb			3620 7980	2960 6530	1940 4280	1660 3660	1290 2840	1120 2470	1230 2710	1060 2340	6.21 (20.4)
-1.5 m (-4.9 ft)	kg lb	*3290 *7250	*3290 *7250	3620 7980	2970 6550	1920 4230	1640 3620			1430 3150	1240 2730	5.56 (18.2)
-3.0 m (-9.8 ft)	kg lb			*3280 *7230	3050 6720					*2020 *4450	1890 4170	4.16 (13.7)

※ Note

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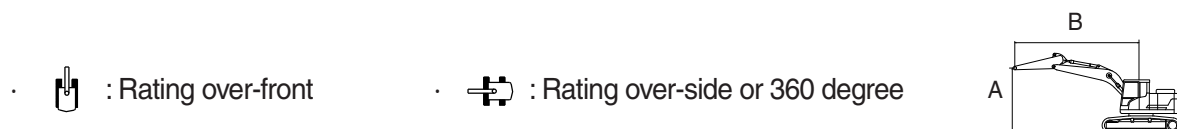
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	1750	1250	450	-	Down	-	-	-



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m	kg	*3010	*3010					*2700	2260	4.11
(19.7 ft)	lb	*6640	*6640					*5950	4980	(13.5)
4.5 m	kg	*2870	*2870	*2370	1980			*2180	1370	5.58
(14.8 ft)	lb	*6330	*6330	*5220	4370			*4810	3020	(18.3)
3.0 m	kg			*2670	1890	*2070	1200	*1990	1110	6.29
(9.8 ft)	lb			*5890	4170	*4560	2650	*4390	2450	(20.6)
1.5 m	kg			*3010	1750	*2110	1160	*1870	1030	6.52
(4.9 ft)	lb			*6640	3860	*4650	2560	*4120	2270	(21.4)
Ground Line	kg			*2960	1680	*1970	1130	*1730	1050	6.34
	lb			*6530	3700	*4340	2490	*3810	2310	(20.8)
-1.5 m	kg	*3260	3110	*2360	1680			*1460	1230	5.71
(-4.9 ft)	lb	*7190	6860	*5200	3700			*3220	2710	(18.7)

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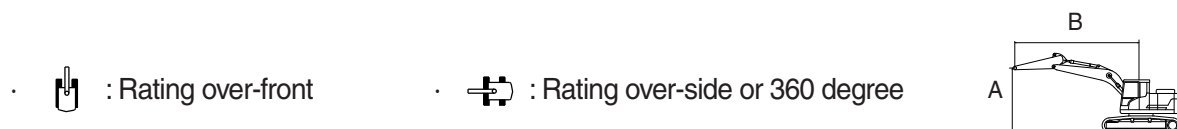
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	1750	1250	450	-	Up	-	-	-



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m	kg	*3010	*3010					2450	2090	4.11
(19.7 ft)	lb	*6640	*6640					5400	4610	(13.5)
4.5 m	kg	*2870	*2870	2130	1830			1470	1260	5.58
(14.8 ft)	lb	*6330	*6330	4700	4030			3240	2780	(18.3)
3.0 m	kg			2040	1740	1290	1110	1190	1020	6.29
(9.8 ft)	lb			4500	3840	2840	2450	2620	2250	(20.6)
1.5 m	kg			1900	1610	1240	1070	1100	940	6.52
(4.9 ft)	lb			4190	3550	2730	2360	2430	2070	(21.4)
Ground Line	kg			1820	1530	1210	1040	1130	970	6.34
	lb			4010	3370	2670	2290	2490	2140	(20.8)
-1.5 m	kg	*3260	2810	1820	1530			1320	1130	5.71
(-4.9 ft)	lb	*7190	6190	4010	3370			2910	2490	(18.7)

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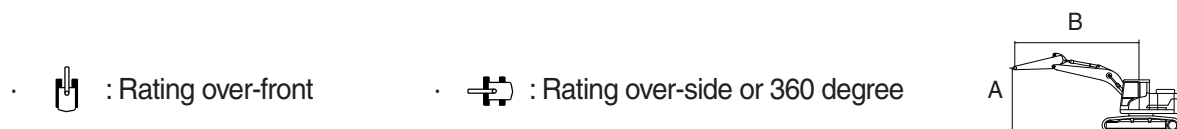
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	2100	1250	450	-	Down	-	-	-



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m	kg			*2330	1980			*2300	1840	4.68
(19.7 ft)	lb			*5140	4370			*5070	4060	(15.3)
4.5 m	kg			*2200	2010			*1890	1220	5.99
(14.8 ft)	lb			*4850	4430			*4170	2690	(19.6)
3.0 m	kg			*2520	1910	*1990	1210	*1790	1010	6.64
(9.8 ft)	lb			*5560	4210	*4390	2670	*3950	2230	(21.8)
1.5 m	kg			*2930	1760	*2080	1160	*1740	940	6.86
(4.9 ft)	lb			*6460	3880	*4590	2560	*3840	2070	(22.5)
Ground Line	kg			*3000	1670	*2030	1120	*1620	960	6.69
	lb			*6610	3680	*4480	2470	*3570	2120	(22.0)
-1.5 m	kg	*3750	3050	*2530	1650	*1530	1120	*1410	1100	6.10
(-4.9 ft)	lb	*8270	6720	*5580	3640	*3370	2470	*3110	2430	(20.0)
-3.0 m	kg	*1900	*1900	*1260	*1260			*870	*870	4.90
(-9.8 ft)	lb	*4190	*4190	*2780	*2780			*1920	*1920	(16.1)

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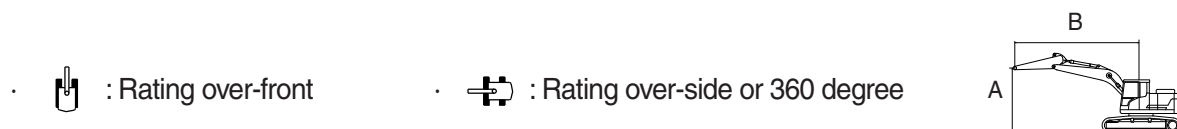
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	CRAWLER DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	2100	1250	450	-	Up	-	-	-



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m	kg			2140	1830			1980	1700	4.68
(19.7 ft)	lb			4720	4030			4370	3750	(15.3)
4.5 m	kg			2160	1860			1310	1130	5.99
(14.8 ft)	lb			4760	4100			2890	2490	(19.6)
3.0 m	kg			2060	1760	1290	1110	1080	930	6.64
(9.8 ft)	lb			4540	3880	2840	2450	2380	2050	(21.8)
1.5 m	kg			1910	1620	1240	1060	1010	860	6.86
(4.9 ft)	lb			4210	3570	2730	2340	2230	1900	(22.5)
Ground Line	kg			1810	1520	1200	1020	1030	880	6.69
	lb			3990	3350	2650	2250	2270	1940	(22.0)
-1.5 m	kg	3410	2760	1790	1510	1210	1030	1180	1010	6.10
(-4.9 ft)	lb	7520	6080	3950	3330	2670	2270	2600	2230	(20.0)
-3.0 m	kg	*1900	*1900	*1260	*1260			*870	*870	4.90
(-9.8 ft)	lb	*4190	*4190	*2780	*2780			*1920	*1920	(16.1)

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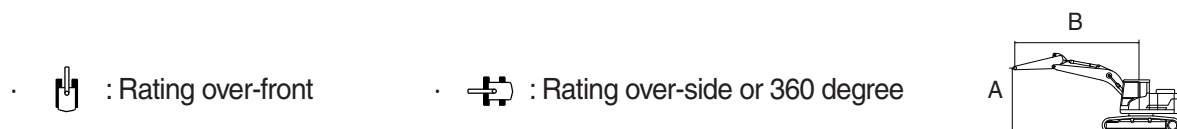
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








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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	1750	1250	450	-	Down	-	-	-



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2500 *5510	*2500 *5510	3.21 (10.5)
4.5 m (14.8 ft)	kg lb					*2080 *4590	2070 4560			*2130 *4700	1730 3810	5.02 (16.5)
3.0 m (9.8 ft)	kg lb			*3260 *7190	*3260 *7190	*2360 *5200	2020 4450			*2030 *4480	1370 3020	5.81 (19.1)
1.5 m (4.9 ft)	kg lb					*2900 *6390	1920 4230	*2180 *4810	1270 2800	*2150 *4740	1250 2760	6.06 (19.9)
Ground Line	kg lb			*3610 *7960	3350 7390	*3180 *7010	1850 4080			*2220 *4890	1290 2840	5.87 (19.2)
-1.5 m (-4.9 ft)	kg lb	*3910 *8620	*3910 *8620	*4660 *10270	3370 7430	*2860 *6310	1850 4080			*2260 *4980	1540 3400	5.16 (16.9)
-3.0 m (-9.8 ft)	kg lb			*2550 *5620	*2550 *5620					*1960 *4320	*1960 *4320	3.57 (11.7)

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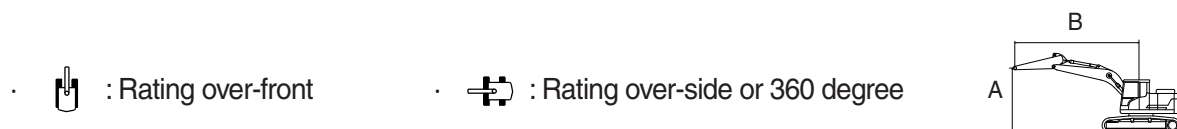
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	1750	1250	450	-	Up	-	-	-



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2500 *5510	*2500 *5510	3.21 (10.5)
4.5 m (14.8 ft)	kg lb					*2080 *4590	1940 4280			1790 3950	1620 3570	5.02 (16.5)
3.0 m (9.8 ft)	kg lb			*3260 *7190	*3260 *7190	2090 4610	1880 4140			1400 3090	1270 2800	5.81 (19.1)
1.5 m (4.9 ft)	kg lb					1990 4390	1790 3950	1300 2870	1190 2620	1280 2820	1170 2580	6.06 (19.9)
Ground Line	kg lb			3580 7890	3070 6770	1920 4230	1720 3790			1320 2910	1200 2650	5.87 (19.2)
-1.5 m (-4.9 ft)	kg lb	*3910 *8620	*3910 *8620	3600 7940	3100 6830	1910 4210	1720 3790			1590 3510	1430 3150	5.16 (16.9)
-3.0 m (-9.8 ft)	kg lb			*2550 *5620	*2550 *5620					*1960 *4320	*1960 *4320	3.57 (11.7)

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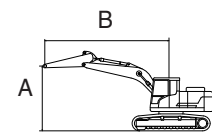
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	2100	1250	450	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2120 *4670	*2120 *4670	3.88 (12.7)
4.5 m (14.8 ft)	kg lb					*1840 *4060	*1840 *4060			*1830 *4030	1540 3400	5.43 (17.8)
3.0 m (9.8 ft)	kg lb			*2720 *6000	*2720 *6000	*2150 *4740	2030 4480	*1950 *4300	1300 2870	*1750 *3860	1250 2760	6.15 (20.2)
1.5 m (4.9 ft)	kg lb					*2740 *6040	1930 4250	*2100 *4630	1270 2800	*1840 *4060	1150 2540	6.39 (21.0)
Ground Line	kg lb			*3720 *8200	3330 7340	*3130 *6900	1840 4060	*2170 *4780	1240 2730	*2060 *4540	1180 2600	6.21 (20.4)
-1.5 m (-4.9 ft)	kg lb	*3290 *7250	*3290 *7250	*4970 *10960	3330 7340	*2990 *6590	1820 4010			*2120 *4670	1370 3020	5.56 (18.2)
-3.0 m (-9.8 ft)	kg lb			*3280 *7230	*3280 *7230					*2020 *4450	*2020 *4450	4.16 (13.7)

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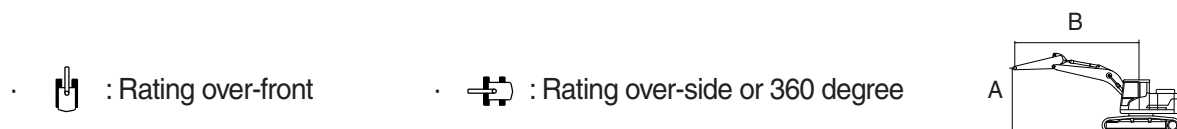
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Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
MONO BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3550	2100	1250	450	-	Up	-	-	-



Load point height (A)		Load radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb									*2120 *4670	*2120 *4670	3.88 (12.7)
4.5 m (14.8 ft)	kg lb					*1840 *4060	*1840 *4060			1580 3480	1440 3170	5.43 (17.8)
3.0 m (9.8 ft)	kg lb			*2720 *6000	*2720 *6000	2110 4650	1900 4190	1330 2930	1210 2670	1280 2820	1160 2560	6.15 (20.2)
1.5 m (4.9 ft)	kg lb					2000 4410	1790 3950	1300 2870	1180 2600	1180 2600	1070 2360	6.39 (21.0)
Ground Line	kg lb			3560 7850	3060 6750	1910 4210	1710 3770	1270 2800	1150 2540	1210 2670	1100 2430	6.21 (20.4)
-1.5 m (-4.9 ft)	kg lb	*3290 *7250	*3290 *7250	3560 7850	3060 6750	1890 4170	1690 3730			1410 3110	1280 2820	5.56 (18.2)
-3.0 m (-9.8 ft)	kg lb			*3280 *7230	3140 6920					*2020 *4450	1950 4300	4.16 (13.7)

※ Note

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of the HX 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.

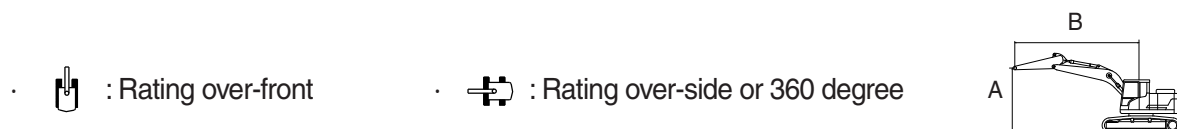
The difference between the weight of a work tool attachment must be subtracted.









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

※ Please be aware of the local regulations and instructions for lifting operations.

▲ 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.

Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	1750	1250	450	-	Down	-	-	-



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg	*3010	*3010					*2700	2310	4.11
	lb	*6640	*6640					*5950	5090	(13.5)
4.5 m (14.8 ft)	kg	*2870	*2870	*2370	2020			*2180	1400	5.58
	lb	*6330	*6330	*5220	4450			*4810	3090	(18.3)
3.0 m (9.8 ft)	kg			*2670	1930	*2070	1230	*1990	1140	6.29
	lb			*5890	4250	*4560	2710	*4390	2510	(20.6)
1.5 m (4.9 ft)	kg			*3010	1790	*2110	1190	*1870	1050	6.52
	lb			*6640	3950	*4650	2620	*4120	2310	(21.4)
Ground Line	kg			*2960	1720	*1970	1160	*1730	1080	6.34
	lb			*6530	3790	*4340	2560	*3810	2380	(20.8)
-1.5 m (-4.9 ft)	kg	*3260	3180	*2360	1720			*1460	1260	5.71
	lb	*7190	7010	*5200	3790			*3220	2780	(18.7)

※ Note

- Lifting capacity are based on ISO 10567.
- Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
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Lifting capacities will vary with different work tools, ground conditions and attachments.

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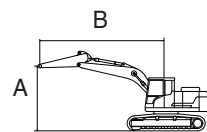
※ Please be aware of the local regulations and instructions for lifting operations.









▲ 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.

Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	1750	1250	450	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m (19.7 ft)	kg	*3010	*3010					2410	2150	4.11
	lb	*6640	*6640					5310	4740	(13.5)
4.5 m (14.8 ft)	kg	*2870	*2870	2100	1880			1440	1300	5.58
	lb	*6330	*6330	4630	4140			3170	2870	(18.3)
3.0 m (9.8 ft)	kg			2000	1790	1270	1140	1170	1050	6.29
	lb			4410	3950	2800	2510	2580	2310	(20.6)
1.5 m (4.9 ft)	kg			1870	1660	1220	1100	1080	970	6.52
	lb			4120	3660	2690	2430	2380	2140	(21.4)
Ground Line	kg			1790	1590	1190	1070	1110	1000	6.34
	lb			3950	3510	2620	2360	2450	2200	(20.8)
-1.5 m (-4.9 ft)	kg	*3260	2900	1790	1590			1300	1170	5.71
	lb	*7190	6390	3950	3510			2870	2580	(18.7)

※ Note

- Lifting capacity are based on ISO 10567.
- Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- *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.

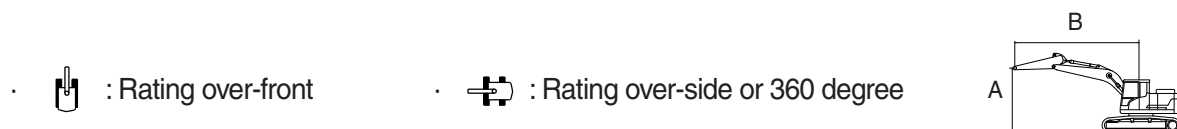
The difference between the weight of a work tool attachment must be subtracted.









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

※ Please be aware of the local regulations and instructions for lifting operations.

▲ 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.

Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	2100	1250	450	-	Down	-	-	-



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m	kg			*2330	2020			*2300	1880	4.68
(19.7 ft)	lb			*5140	4450			*5070	4140	(15.3)
4.5 m	kg			*2200	2050			*1890	1250	5.99
(14.8 ft)	lb			*4850	4520			*4170	2760	(19.6)
3.0 m	kg			*2520	1950	*1990	1240	*1790	1040	6.64
(9.8 ft)	lb			*5560	4300	*4390	2730	*3950	2290	(21.8)
1.5 m	kg			*2930	1800	*2080	1190	*1740	970	6.86
(4.9 ft)	lb			*6460	3970	*4590	2620	*3840	2140	(22.5)
Ground	kg			*3000	1710	*2030	1150	*1620	990	6.69
Line	lb			*6610	3770	*4480	2540	*3570	2180	(22.0)
-1.5 m	kg	*3750	3120	*2530	1690	*1530	1150	*1410	1130	6.10
(-4.9 ft)	lb	*8270	6880	*5580	3730	*3370	2540	*3110	2490	(20.0)
-3.0 m	kg	*1900	*1900	*1260	*1260			*870	*870	4.90
(-9.8 ft)	lb	*4190	*4190	*2780	*2780			*1920	*1920	(16.1)

※ Note

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of the HX 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.

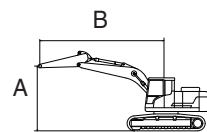
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
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Type		Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
2 PCS BOOM	ANGLE DOZER	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		3917	2100	1250	450	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
6.0 m	kg			2110	1880			1960	1750	4.68
(19.7 ft)	lb			4650	4140			4320	3860	(15.3)
4.5 m	kg			2130	1910			1290	1160	5.99
(14.8 ft)	lb			4700	4210			2840	2560	(19.6)
3.0 m	kg			2030	1810	1270	1150	1060	960	6.64
(9.8 ft)	lb			4480	3990	2800	2540	2340	2120	(21.8)
1.5 m	kg			1880	1670	1220	1100	990	890	6.86
(4.9 ft)	lb			4140	3680	2690	2430	2180	1960	(22.5)
Ground	kg			1780	1570	1180	1060	1010	910	6.69
Line	lb			3920	3460	2600	2340	2230	2010	(22.0)
-1.5 m	kg	3350	2850	1760	1560	1180	1060	1160	1050	6.10
(-4.9 ft)	lb	7390	6280	3880	3440	2600	2340	2560	2310	(20.0)
-3.0 m	kg	*1900	*1900	*1260	*1260			*870	*870	4.90
(-9.8 ft)	lb	*4190	*4190	*2780	*2780			*1920	*1920	(16.1)

※ Note

1. Lifting capacity are based on ISO 10567.
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3. The lift-point is bucket pivot mounting pin on the arm (without bucket mass).
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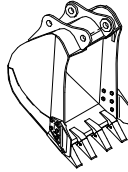
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▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

6. BUCKET SELECTION GUIDE

1) 1000 kg COUNTERWEIGHT



0.25, 0.28 m³ SAE heaped bucket

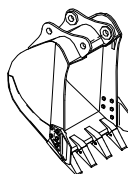
Capacity		Width		Weight	Tooth	Recommendation	
						3.55 m (11' 8") Mono boom	
SAE heaped	CECE heaped	Without side cutter	With side cutter			1.75 marm (5' 9")	2.10 marm (6' 11")
0.25 m³ (0.33 yd³)	0.21 m³ (0.27 yd³)	672 mm (26.5")	795 mm (31.3")	185 kg (410 lb)	4 EA	●	●
0.28 m³ (0.37 yd³)	0.25 m³ (0.33 yd³)	672 mm (26.5")	830 mm (32.7")	248 kg (550 lb)	4 EA	●	●

- Applicable for materials with density of 2100 kg/m³ (3540 lb/yd³) or less
- ◐ Applicable for materials with density of 1800 kg/m³ (3030 lb/yd³) or less
- Applicable for materials with density of 1500 kg/m³ (2530 lb/yd³) or less
- ▲ Applicable for materials with density of 1200 kg/m³ (2020 lb/yd³) or less
- × Not recommended

※ Maximum density (kg/m³)

Capacity		Width		Weight	Tooth	Recommendation	
						3.55 m (11' 8") Mono boom	
SAE heaped	CECE heaped	Without side cutter	With side cutter			1.75 marm (5' 9")	2.10 marm (6' 11")
0.25 m³ (0.33 yd³)	0.21 m³ (0.27 yd³)	672 mm (26.5")	795 mm (31.3")	185 kg (410 lb)	4 EA	3270	2937
0.28 m³ (0.37 yd³)	0.25 m³ (0.33 yd³)	672 mm (26.5")	830 mm (32.7")	248 kg (550 lb)	4 EA	2779	2482

2) 1150 kg COUNTERWEIGHT



0.25, 0.28 m³ SAE heaped bucket

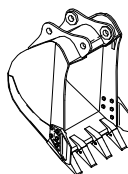
Capacity		Width		Weight	Tooth	Recommendation			
						3.55 m (11' 8") Mono boom		3917 m (12' 10") 2-piece boom	
SAE heaped	CECE heaped	Without side cutter	With side cutter			1.75 m arm (5' 9")	2.10 m arm (6' 11")	1.75 m arm (5' 9")	2.10 m arm (6' 11")
0.25 m³ (0.33 yd³)	0.21 m³ (0.27 yd³)	672 mm (26.5")	795 mm (31.3")	185 kg (410 lb)	4 EA	●	●	●	●
0.28 m³ (0.37 yd³)	0.25 m³ (0.33 yd³)	672 mm (26.5")	830 mm (32.7")	248 kg (550 lb)	4 EA	●	●	●	◐

- Applicable for materials with density of 2100 kg/m³ (3540 lb/yd³) or less
- ◐ Applicable for materials with density of 1800 kg/m³ (3030 lb/yd³) or less
- Applicable for materials with density of 1500 kg/m³ (2530 lb/yd³) or less
- ▲ Applicable for materials with density of 1200 kg/m³ (2020 lb/yd³) or less
- × Not recommended

※ Maximum density (kg/m³)

Capacity		Width		Weight	Tooth	Recommendation			
						3.55 m (11' 8") Mono boom		3917 m (12' 10") 2-piece boom	
SAE heaped	CECE heaped	Without side cutter	With side cutter			1.75 m arm (5' 9")	2.10 m arm (6' 11")	1.75 m arm (5' 9")	2.10 m arm (6' 11")
0.25 m³ (0.33 yd³)	0.21 m³ (0.27 yd³)	672 mm (26.5")	795 mm (31.3")	185 kg (410 lb)	4 EA	3470	3124	2745	2462
0.28 m³ (0.37 yd³)	0.25 m³ (0.33 yd³)	672 mm (26.5")	830 mm (32.7")	248 kg (550 lb)	4 EA	2967	2649	2311	2057

3) 1250 kg COUNTERWEIGHT



0.25, 0.28 m³ SAE heaped bucket

Capacity		Width		Weight	Tooth	Recommendation			
						3.55 m (11' 8") Mono boom		3917 m (12' 10") 2-piece boom	
SAE heaped	CECE heaped	Without side cutter	With side cutter			1.75 m arm (5' 9")	2.10 m arm (6' 11")	1.75 m arm (5' 9")	2.10 m arm (6' 11")
0.25 m³ (0.33 yd³)	0.21 m³ (0.27 yd³)	672 mm (26.5")	795 mm (31.3")	185 kg (410 lb)	4 EA	●	●	●	●
0.28 m³ (0.37 yd³)	0.25 m³ (0.33 yd³)	672 mm (26.5")	830 mm (32.7")	248 kg (550 lb)	4 EA	●	●	●	●

- Applicable for materials with density of 2100 kg/m³ (3540 lb/yd³) or less
- ◐ Applicable for materials with density of 1800 kg/m³ (3030 lb/yd³) or less
- Applicable for materials with density of 1500 kg/m³ (2530 lb/yd³) or less
- ▲ Applicable for materials with density of 1200 kg/m³ (2020 lb/yd³) or less
- × Not recommended

※ Maximum density (kg/m³)

Capacity		Width		Weight	Tooth	Recommendation			
						3.55 m (11' 8") Mono boom		3917 m (12' 10") 2-piece boom	
SAE heaped	CECE heaped	Without side cutter	With side cutter			1.75 m arm (5' 9")	2.10 m arm (6' 11")	1.75 m arm (5' 9")	2.10 m arm (6' 11")
0.25 m³ (0.33 yd³)	0.21 m³ (0.27 yd³)	672 mm (26.5")	795 mm (31.3")	185 kg (410 lb)	4 EA	3605	3251	2868	2577
0.28 m³ (0.37 yd³)	0.25 m³ (0.33 yd³)	672 mm (26.5")	830 mm (32.7")	248 kg (550 lb)	4 EA	3078	2762	2420	2160

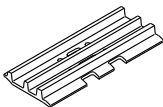
7. UNDERCARRIAGE

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

(1) Steel track

Shapes		Triple grouser		
				
Shoe width	mm (in)	450 (18)	600 (24)	450 (18)
Operating weight	kg (lb)	8670 (19110)	8850 (19510)	8670 (19110)
Ground pressure	kgf/cm ² (psi)	0.39 (5.52)	0.30 (4.21)	0.39 (5.52)
Overall width	mm (ft-in)	2300 (7' 7")	2450 (8' 0")	2300 (7' 7")

(2) Rubber track

Shapes		Rubber track	
			
Shoe width	mm (in)	450 (18) (LC rubber pad)	450 (18) (rail interlocking)
Operating weight	kg (lb)	8720 (19220)	8635 (19040)
Ground pressure	kgf/cm ² (psi)	0.38 (5.46)	0.39 (5.50)
Overall width	mm (ft-in)	2300 (7' 7")	2300 (7' 7")

3) NUMBER OF ROLLERS AND SHOES ON EACH SIDE

Item	Quantity
Upper rollers	1 EA
Lower rollers	5 EA
Track shoes	40 EA

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

Model	Track shoe	Specification	Category
HX85A HX90A	T/chain-triple for mini (450 mm)	Standard	A
	T/chain-triple LC (600 mm)	Option	A
	T/chain-bolt-on type (450 mm)	Option	A
	T/chain-LC rubber pad (450 mm)	Option	B
	T/chain-rail interlocking (450 mm)	Option	B

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 or a wide range of general civil engineering work
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	Yanmar 4TNV98C
Type	4-cycle, inline, water-cooled diesel
Cooling method	Water-cooled
Number of cylinders and arrangement	4 cylinders, in-line
Firing order	1-3-4-2
Combustion chamber type	Direct injection type
Cylinder bore × stroke	98 × 110 mm (3.86" × 4.33")
Piston displacement	3319 cc (203 cu in)
Compression ratio	-
Rated gross horse power	66.9 hp (49.9 kW)
Rated net horse power	65.0 hp (48.5 kW)
Maximum horse power	66.9 hp (49.9 kW)
Maximum torque	24.6 kgf · m (177.2 lbf · ft)
Engine oil quantity	10.5 ℓ (2.77 U.S. gal)
Dry weight	278 kg (613 lb)
Starting motor	12 V-3 kW
Alternator	12 V-100 A

2) MAIN PUMP

Item	Specification
Type	Variable displacement piston pumps
Capacity	72 cc/rev
Maximum pressure	280 kgf/cm ² (3980 psi)
Maximum oil flow	144 ℓ /min (38 U.S.gpm)
Rated speed	2000 rpm

3) GEAR PUMP (P4)

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	8 cc/rev
Maximum pressure	34 kgf/cm ² (484 psi)
Rated oil flow	16 ℓ /min (4.2 U.S.gpm/3.5 U.K.gpm)

4) MAIN CONTROL VALVE

Item	Specification
Type	9 spools sectional inline
Operating method	Hydraulic pilot system
Main relief valve pressure	280 kgf/cm ² (3983 psi)
Overload relief valve pressure	310 kgf/cm ² (4410 psi)
2-way (breaker piping) flow rate	120 l/min (31.7 US gpm)
4-way (rotating piping) flow rate	100 l/min (26.4 US gpm)

5) SWING MOTOR

Item	Specification
Type	Axial piston motor
Capacity	43.4 cc/rev
Relief pressure	245 kgf/cm ² (3490 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	17 kgf · m (123 lbf · ft)
Brake release pressure	25~50 kgf/cm ² (356~711 psi)
Swing bearing lubrication	Grease
Reduction gear type	2 - stage planetary

6) TRAVEL MOTOR

Item	Specification
Type	Two fixed displacement axial piston motor
Capacity	54.3/27.5 cc/rev
Relief pressure	285 kgf/cm ² (4060 psi)
Reduction gear type	2 stage planetary
Braking system	Automatic, spring applied hydraulic released
Brake release pressure	12 kgf/cm ² (171 psi)
Braking torque	14.5 kgf · m (105 lbf · ft)

7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	Ø120 × Ø70 × 865 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	Ø100 × Ø60 × 860 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	Ø90 × Ø55 × 685 mm
	Cushion	Extend only
Adjust cylinder (2-pcs boom only)	Bore dia × Rod dia × Stroke	Ø95 × Ø55 × 550 mm
	Cushion	-
Boom swing cylinder	Bore dia × Rod dia × Stroke	Ø110 × Ø60 × 707 mm
	Cushion	-
Dozer cylinder	Bore dia × Rod dia × Stroke	Ø130 × Ø70 × 190 mm
	Cushion	-
Dozer cylinder (DPC)	Bore dia × Rod dia × Stroke	Ø140 × Ø70 × 180 mm
	Cushion	-
Angle swing cylinder	Bore dia × Rod dia × Stroke	Ø100 × Ø60 × 461 mm
	Cushion	-

※ 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. RECOMMENDED OILS

HD Hyundai Construction Equipment genuine lubricating oils have been developed to offer the best performance and service life for your equipment. These oils have been tested according to the specifications of HD Hyundai Construction Equipment and, therefore, will meet the highest safety and quality requirements.

We recommend that you use only HD Hyundai Construction Equipment genuine lubricating oils and grease officially approved by HD Hyundai Construction Equipment.

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	10.5 (2.8)	★SAE 5W-40							
			SAE 30							
			SAE 10W							
			SAE 10W-30							
			SAE 15W-40							
Final drive	Gear oil	1.1×2 (0.3×2)	★SAE 75W-90							
			SAE 80W-90							
Hydraulic tank	Hydraulic oil	Tank; 56 (14.8)	★ISO VG 15							
			ISO VG 32							
		System; 109 (28.8)	ISO VG 46, HBHO VG 46★ ³							
			ISO VG 68							
Fuel tank	Diesel fuel★ ¹	115 (30.4)	★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★ ²	13 (3.4)	Ethylene glycol base permanent type							
			★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 : Ultra low sulfur diesel

- sulfur content ≤ 10 ppm

★² : Soft water : City water or distilled water

★³ : HD Hyundai Construction Equipment
Bio Hydraulic Oil

※ Using any lubricating oils other than HD Hyundai Construction Equipment genuine products may lead to a deterioration of performance and cause damage to major components.

※ Do not mix HD Hyundai Construction Equipment genuine oil with any other lubricating oil as it may result in damage to the systems of major components.

※ Do not use any engine oil other than that specified above, as it may clog the diesel particulate filter(DPF).

※ For HD Hyundai Construction Equipment genuine lubricating oils and grease for use in regions with extremely low temperatures, please contact your local HD Hyundai Construction Equipment dealer.