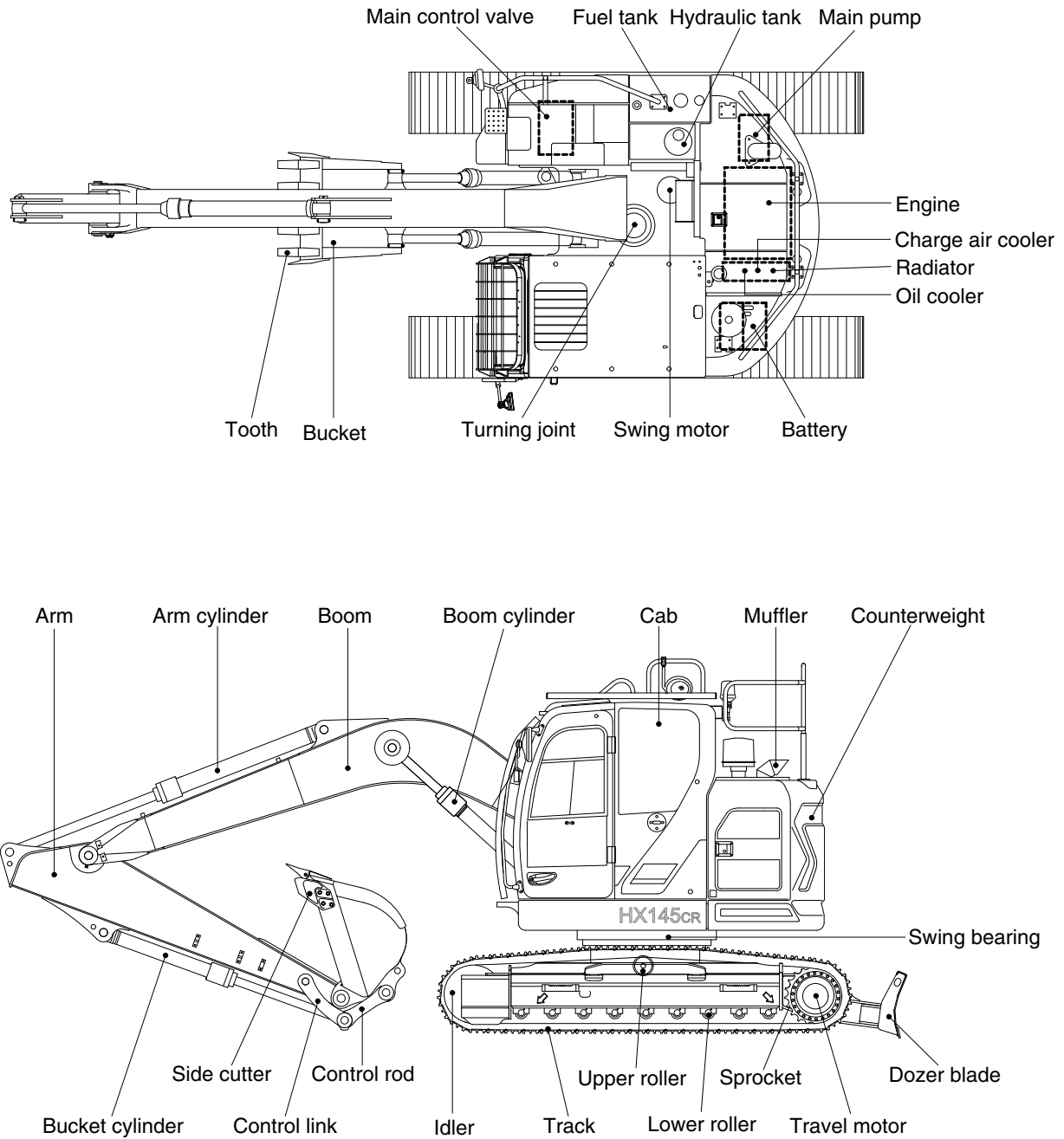


SPECIFICATIONS

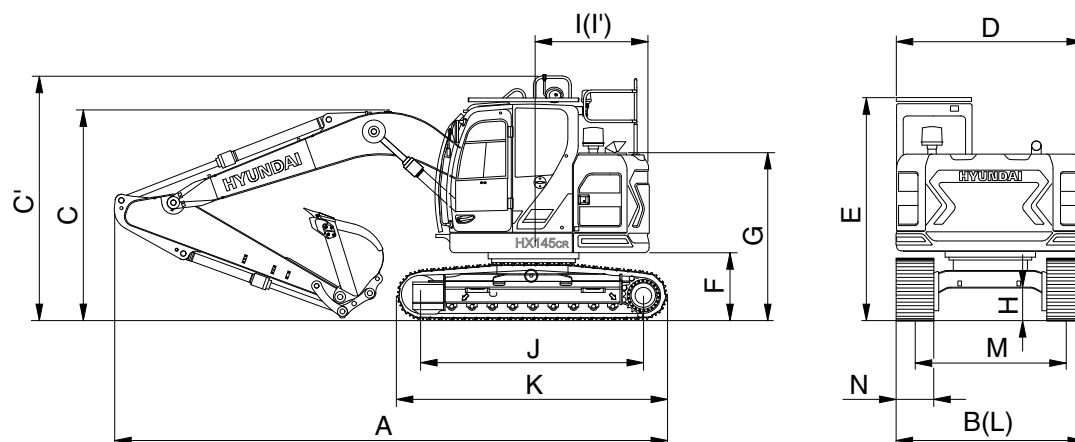
1. MAJOR COMPONENT



145SA2SP01

2. SPECIFICATIONS

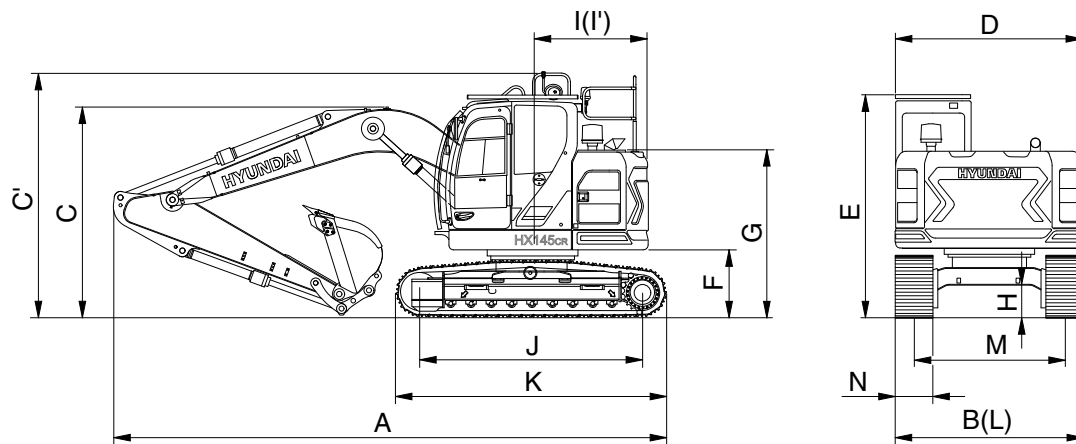
1) HX145LCRT3, STD CRAWLER



145SA2SP02

Description	Unit		Specification	
	m (ft-in)	Boom	4.6 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
	mm (in)	Shoe	600 (24)	
Operating weight	kg (lb)		14880 (32800)	14,930 (32910)
Bucket capacity (SAE heaped), standard	m ³ (yd ³)		0.52 (0.68)	0.52 (0.68)
Overall length	A	mm (ft-in)	6965 (22' 10")	6885 (22' 7")
Overall width	B		2600 (8' 6")	2600 (8' 6")
Overall height of boom	C		2769 (9' 1")	3123 (10' 3")
Superstructure width	D		2500 (8' 2")	2500 (8' 2")
Overall height of cab	E		2940 (9' 8")	2940 (9' 8")
Ground clearance of counterweight	F		930 (3' 1")	930 (3' 1")
Overall height of engine hood	G		2270 (7' 5")	2270 (7' 5")
Overall height of handrail	G'		3430 (11' 3")	3430 (11' 3")
Minimum ground clearance	H		440 (1' 5")	440 (1' 5")
Rear-end distance	I		1500 (4' 11")	1500 (4' 11")
Rear-end swing radius	I'		1500 (4' 11")	1500 (4' 11")
Distance between tumblers	J		2910 (9' 7")	2910 (9' 7")
Undercarriage length	K		3640 (11' 11")	3640 (11' 11")
Undercarriage width	L		2600 (8' 6")	2600 (8' 6")
Track gauge	M		2000 (6' 7")	2000 (6' 7")
Track shoe width, standard	N		600 (2' 0")	600 (2' 0")
Travel speed (low/high)	km/hr (mph)		3.1/5.4 (1.9/3.4)	3.1/5.4 (1.9/3.4)
Swing speed	rpm		11.40	11.40
Gradeability	Degree (%)		35 (70)	35 (70)
Ground pressure	kgf/cm ² (psi)		0.39 (5.59)	0.39 (5.61)
Max traction force	kg (lb)		12672 (27937)	12672 (27937)

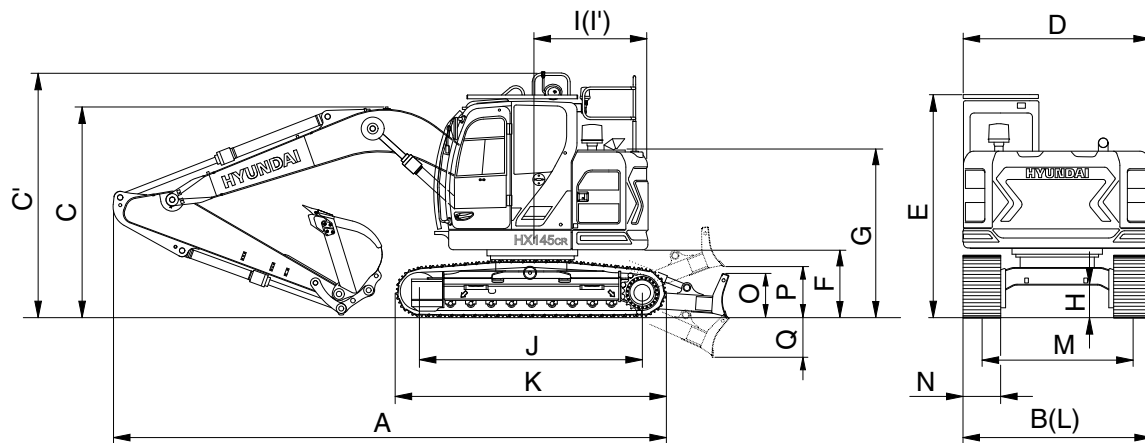
2) HX145LCRT3, LONG CRAWLER



145SA2SP02

Description		Unit		Specification	
		m (ft-in)	Boom	4.6 (15' 1")	
			Arm	2.50 (8' 2")	3.00 (9' 10")
		mm (in)	Shoe	600 (24)	
Operating weight		kg (lb)		15130 (33360)	15170 (33440)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)		0.52 (0.68)	0.52 (0.68)
Overall length	A	mm (ft-in)		6965 (22' 10")	6885 (22' 7")
Overall width	B			2600 (8' 6")	2600 (8' 6")
Overall height of boom	C			2769 (9' 1")	3123 (10' 3")
Superstructure width	D			2500 (8' 2")	2500 (8' 2")
Overall height of cab	E			2940 (9' 8")	2940 (9' 8")
Ground clearance of counterweight	F			930 (3' 1")	930 (3' 1")
Overall height of engine hood	G			2270 (7' 5")	2270 (7' 5")
Overall height of handrail	G'			3430 (11' 3")	3430 (11' 3")
Minimum ground clearance	H			440 (1' 5")	440 (1' 5")
Rear-end distance	I			1500 (4' 11")	1500 (4' 11")
Rear-end swing radius	I'			1500 (4' 11")	1500 (4' 11")
Distance between tumblers	J			3090 (10' 2")	3090 (10' 2")
Undercarriage length	K			3820 (12' 6")	3820 (12' 6")
Undercarriage width	L			2600 (8' 6")	2600 (8' 6")
Track gauge	M			2000 (6' 7")	2000 (6' 7")
Track shoe width, standard	N			600 (2' 0")	600 (2' 0")
Travel speed (low/high)		km/hr (mph)		3.1/5.4 (1.9/3.4)	3.1/5.4 (1.9/3.4)
Swing speed		rpm		11.40	11.40
Gradeability		Degree (%)		35 (70)	35 (70)
Ground pressure		kgf/cm ² (psi)		0.38 (5.38)	0.38 (5.39)
Max traction force		kg (lb)		12672 (27937)	12672 (27937)

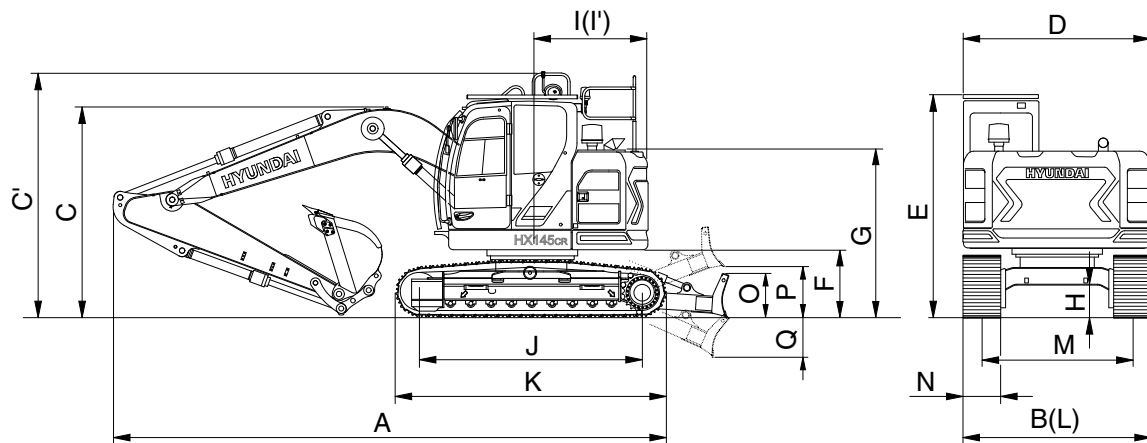
3) HX145LCRT3, STD CRAWLER WITH DOZER



145SA2SP03

Description	Unit		Specification	
	m (ft-in)	Boom	4.6 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
	mm (in)	Shoe	600 (24)	
Operating weight	kg (lb)		15700 (34610)	15740 (34700)
Bucket capacity (SAE heaped), standard	m ³ (yd ³)		0.52 (0.68)	0.52 (0.68)
Overall length	A	mm (ft-in)	6965 (22' 10")	6885 (22' 7")
Overall length (with dozer)	A'		7817 (25' 8")	7738 (25' 5")
Overall width	B		2600 (8' 6")	2600 (8' 6")
Overall height of boom	C		2769 (9' 1")	3123 (10' 3")
Superstructure width	D		2500 (8' 2")	2500 (8' 2")
Overall height of cab	E		2940 (9' 8")	2940 (9' 8")
Ground clearance of counterweight	F		930 (3' 1")	930 (3' 1")
Overall height of engine hood	G		2270 (7' 5")	2270 (7' 5")
Overall height of handrail	G'		3430 (11' 3")	3430 (11' 3")
Minimum ground clearance	H		440 (1' 5")	440 (1' 5")
Rear-end distance	I		1500 (4' 11")	1500 (4' 11")
Rear-end swing radius	I'		1500 (4' 11")	1500 (4' 11")
Distance between tumblers	J		2910 (9' 7")	2910 (9' 7")
Undercarriage length	K		3640 (11' 11")	3640 (11' 11")
Undercarriage width	L		2600 (8' 6")	2600 (8' 6")
Track gauge	M		2000 (6' 7")	2000 (6' 7")
Track shoe width, standard	N		600 (2' 0")	600 (2' 0")
Height of blade	O		575 (1' 11")	575 (1' 11")
Ground clearance of blade up	P		425 (1' 5")	425 (1' 5")
Depth of blade down	Q		430 (1' 5")	430 (1' 5")
Travel speed (low/high)	km/hr (mph)		3.1/5.4 (1.9/3.4)	3.1/5.4 (1.9/3.4)
Swing speed	rpm		11.40	11.40
Gradeability	Degree (%)		35 (70)	35 (70)
Ground pressure	kgf/cm ² (psi)		0.41 (5.90)	0.42 (5.91)
Max traction force	kg (lb)		12672 (27937)	12672 (27937)

4) HX145LCRT3, LONG CRAWLER WITH DOZER

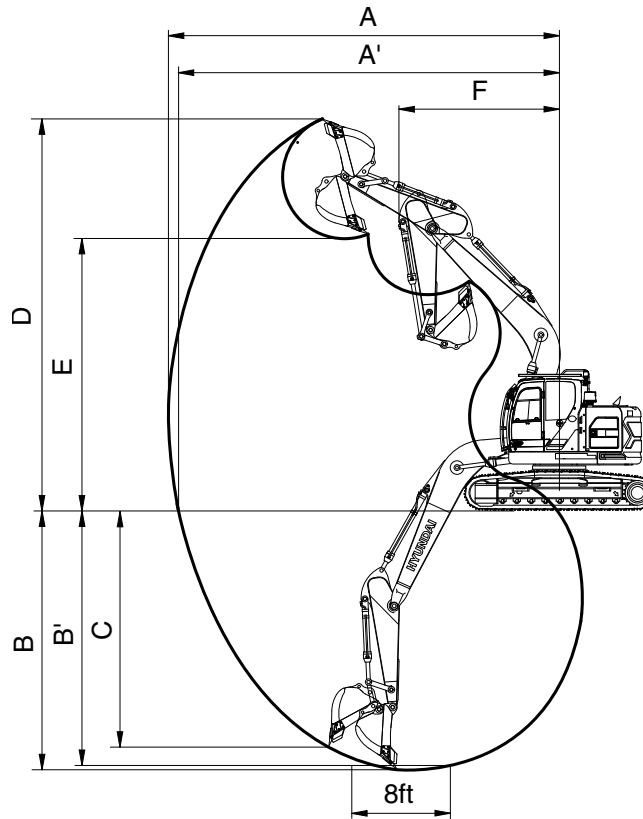


145SA2SP03

Description	Unit		Specification	
	m (ft-in)	Boom	4.6 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
	mm (in)	Shoe	600 (24)	
Operating weight	kg (lb)		15920 (35100)	15960 (35190)
Bucket capacity (SAE heaped), standard	m ³ (yd ³)		0.52 (0.68)	0.52 (0.68)
Overall length	A	mm (ft-in)	6965 (22' 10")	6885 (22' 7")
Overall length (with dozer)	A'		7817 (25' 8")	7738 (25' 5")
Overall width	B		2600 (8' 6")	2600 (8' 6")
Overall height of boom	C		2769 (9' 1")	3123 (10' 3")
Superstructure width	D		2500 (8' 2")	2500 (8' 2")
Overall height of cab	E		2940 (9' 8")	2940 (9' 8")
Ground clearance of counterweight	F		930 (3' 1")	930 (3' 1")
Overall height of engine hood	G		2270 (7' 5")	2270 (7' 5")
Overall height of handrail	G'		3430 (11' 3")	3430 (11' 3")
Minimum ground clearance	H		440 (1' 5")	440 (1' 5")
Rear-end distance	I		1500 (4' 11")	1500 (4' 11")
Rear-end swing radius	I'		1500 (4' 11")	1500 (4' 11")
Distance between tumblers	J		3090 (10' 2")	3090 (10' 2")
Undercarriage length	K		3820 (12' 6")	3820 (12' 6")
Undercarriage width	L		2600 (8' 6")	2600 (8' 6")
Track gauge	M		2000 (6' 7")	2000 (6' 7")
Track shoe width, standard	N		600 (2' 0")	600 (2' 0")
Height of blade	O		575 (1' 11")	575 (1' 11")
Ground clearance of blade up	P		425 (1' 5")	425 (1' 5")
Depth of blade down	Q		430 (1' 5")	430 (1' 5")
Travel speed (low/high)	km/hr (mph)		3.1/5.4 (1.9/3.4)	3.1/5.4 (1.9/3.4)
Swing speed	rpm		11.40	11.40
Gradeability	Degree (%)		35 (70)	35 (70)
Ground pressure	kgf/cm ² (psi)		0.40 (5.66)	0.40 (5.67)
Max traction force	kg (lb)		12672 (27937)	12672 (27937)

3. WORKING RANGE AND DIGGING FORCE

1) HX145LCRT3, STD CRAWLER

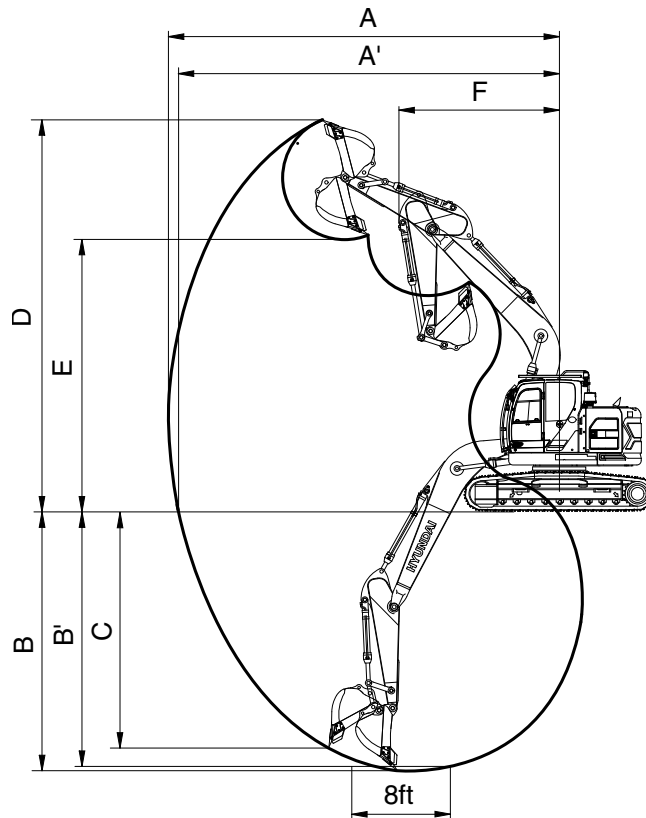


145SA2SP04

Description	m (ft-in)	Boom	4.6 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
Max digging reach	mm (ft-in)	A	8301 (27' 3")	8765 (28' 9")
Max digging reach on ground		A'	8158 (26' 9")	8629 (28' 4")
Max digging depth		B	5437 (17' 10")	5937 (19' 6")
Max digging depth (8 ft level)		B'	5231 (17' 2")	5758 (18' 11")
Max vertical wall digging depth		C	4987 (16' 4")	5492 (18' 0")
Max digging height		D	9370 (30' 9")	9746 (32' 0")
Max dumping height		E	6878 (22' 7")	7255 (23' 10")
Min swing radius		F	2051 (6' 9")	2330 (7' 8")
Bucket digging force	kN	SAE	87.3 [94.7]	87.2 [94.7]
	kgf		8895.7 [9658.2]	8891.8 [9653.9]
	lbf		19611.6 [21292.6]	19603 [21283.3]
	kN	ISO	101.8 [110.5]	101.7 [110.4]
	kgf		10372.7 [11261.8]	10368.1 [11256.8]
	lbf		22867.9 [24828.0]	22857.8 [24817.0]
Arm digging force	kN	SAE	62.6 [67.9]	55.9 [60.7]
	kgf		6378.1 [6924.8]	5700.6 [6189.2]
	lbf		14061.3 [15266.6]	12567.6 [13644.8]
	kN	ISO	65.1 [70.7]	58 [62.9]
	kgf		6639.7 [7208.8]	5907.5 [6413.8]
	lbf		14638 [15892.6]	13023.8 [14140.1]

[] : Power boost

2) HX145LCRT3, LONG CRAWLER



145SA2SP04

Description	m (ft-in)	Boom	4.6 (15' 1")	
		Arm	2.50 (8' 2")	3.00 (9' 10")
Max digging reach	mm (ft-in)	A	8301 (27' 3")	8765 (28' 9")
Max digging reach on ground		A'	8158 (26' 9")	8629 (28' 4")
Max digging depth		B	5437 (17' 10")	5937 (19' 6")
Max digging depth (8 ft level)		B'	5231 (17' 2")	5758 (18' 11")
Max vertical wall digging depth		C	4987 (16' 4")	5492 (18' 0")
Max digging height		D	9370 (30' 9")	9746 (32' 0")
Max dumping height		E	6878 (22' 7")	7255 (23' 10")
Min swing radius		F	2051 (6' 9")	2330 (7' 8")
Bucket digging force	kN	SAE	87.3 [94.7]	87.2 [94.7]
	kgf		8895.7 [9658.2]	8891.8 [9653.9]
	lbf		19611.6 [21292.6]	19603 [21283.3]
	kN	ISO	101.8 [110.5]	101.7 [110.4]
	kgf		10372.7 [11261.8]	10368.1 [11256.8]
	lbf		22867.9 [24828.0]	22857.8 [24817.0]
Arm digging force	kN	SAE	62.6 [67.9]	55.9 [60.7]
	kgf		6378.1 [6924.8]	5700.6 [6189.2]
	lbf		14061.3 [15266.6]	12567.6 [13644.8]
	kN	ISO	65.1 [70.7]	58 [62.9]
	kgf		6639.7 [7208.8]	5907.5 [6413.8]
	lbf		14638 [15892.6]	13023.8 [14140.1]

[] : Power boost

4. WEIGHT

1) HX145LCRT3, STD CRAWLER

Item	HX145LCRT3 W/O DOZER		HX145LCRT3 W/DOZER	
	kg	lb	kg	lb
Upperstructure assembly	4,050	8,930	4,050	8,930
Main frame weld assembly	1,230	2,710	1,230	2,710
Engine assembly	370	820	370	820
Main pump assembly	88	190	88	190
Main control valve assembly	140	310	140	310
Swing motor assembly	122	270	120	260
Hydraulic oil tank WA	160	350	160	350
Fuel tank WA	150	330	150	330
Counterweight	2,800	6,170	2,800	6,170
Cab assembly	450	990	450	990
Lower chassis assembly	3,726	8,210	4,407	9,710
Track frame weld assembly	1,544	3,400	1,713	3,780
Swing bearing	214	470	214	470
Travel motor assembly (2EA)	278	610	280	620
Turning joint	60	130	60	130
Sprocket (2EA)	79	170	79	170
Track recoil spring (2EA)	189	420	189	420
Idler (2EA)	211	460	211	460
Upper roller (2EA)	38	80	38	80
Lower roller (14EA)	491	1,080	491	1,080
Dozer blade	-	-	510	1,120
Track-chain assembly (500 mm TRACK PAD shoe) (2EA)	1,124	2,480	1,124	2,480
Track-chain assembly (500 mm triple grouser shoe) (2EA)	902	1,990	902	1,990
Track-chain assembly (600 mm triple grouser shoe) (2EA)	1,004	2,210	1,004	2,210
Track-chain assembly (700 mm triple grouser shoe) (2EA)	1,107	2,440	1,107	2,440
Front attachment assembly	2,480	5,470	2,480	5,470
4.6 m boom assembly	834	1,840	810	1,790
2.5 m arm assembly	446	980	440	970
0.58 m³ SAE heaped bucket	468	1,030	450	990
Boom cylinder assembly (2EA)	240	530	240	530
Arm cylinder assembly	150	330	150	330
Bucket cylinder assembly	100	220	100	220
Bucket control linkage total	115	250	110	240

2) HX145LCRT3, LONG CRAWLER

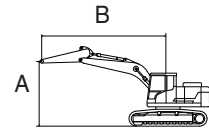
Item	HX145LCRT3 W/O DOZER		HX145LCRT3 W/DOZER	
	kg	lb	kg	lb
Upperstructure assembly	4,050	8,930	4,050	8,930
Main frame weld assembly	1,230	2,710	1,230	2,710
Engine assembly	370	820	370	820
Main pump assembly	88	190	88	190
Main control valve assembly	140	310	140	310
Swing motor assembly	120	260	120	260
Hydraulic oil tank WA	160	350	160	350
Fuel tank WA	150	330	150	330
Counterweight	2,800	6,170	2,800	6,170
Cab assembly	450	990	450	990
Lower chassis assembly	3,868	8,530	4,543	10,020
Track frame weld assembly	1,606	3,540	1,771	3,900
Swing bearing	214	470	214	470
Travel motor assembly (2EA)	280	620	280	620
Turning joint	60	130	60	130
Sprocket (2EA)	79	170	79	170
Track recoil spring (2EA)	189	420	189	420
Idler (2EA)	211	460	211	460
Upper roller (2EA)	77	170	77	170
Lower roller (14EA)	491	1,080	491	1,080
Dozer blade	-	-	510	1,120
Track-chain assembly (500 mm RUBBER PAD shoe) (2EA)	930	2,050	930	2,050
Track-chain assembly (500 mm triple grouser shoe) (2EA)	942	2,080	942	2,080
Track-chain assembly (600 mm triple grouser shoe) (2EA)	1,049	2,310	1,049	2,310
Track-chain assembly (700 mm triple grouser shoe) (2EA)	1,156	2,550	1,156	2,550
Front attachment assembly	2,480	5,470	2,480	5,470
4.6 m boom assembly	810	1,790	810	1,790
2.5 m arm assembly	440	970	440	970
0.58 m³ SAE heaped bucket	450	990	450	990
Boom cylinder assembly (2EA)	240	530	240	530
Arm cylinder assembly	150	330	150	330
Bucket cylinder assembly	100	220	100	220
Bucket control linkage total	110	240	110	240











5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145CRT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	600	-	-	-	-	-

·  : 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)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb			*4060 *8950	*4060 *8950					*2910 *6420	*2910 *6420	3.63 (11.9)
6.0 m (19.7 ft)	kg lb					*3820 *8420	3790 8360			*2260 *4980	*2260 *4980	5.42 (17.8)
4.5 m (14.8 ft)	kg lb			*3950 *8710	*3950 *8710	*4310 *9500	3720 8200	*3330 *7340	2320 5110	*2070 *4560	*2070 *4560	6.38 (20.9)
3.0 m (9.8 ft)	kg lb			*7200 *15870	6650 14660	*5150 *11350	3520 7760	3420 7540	2250 4960	*2040 *4500	1790 3950	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*8100 *17860	5950 13120	5150 11350	3280 7230	3310 7300	2160 4760	*2130 *4700	1680 3700	7.06 (23.1)
0.0 m (0.0 ft)	kg lb			*6750 *14880	5650 12460	4960 10930	3110 6860	3230 7120	2080 4590	*2350 *5180	1710 3770	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4740 *10450	*4740 *10450	*8770 *19330	5610 12370	4890 10780	3050 6720	3200 7050	2050 4520	*2830 *6240	1900 4190	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8830 *19470	*8830 *19470	*6780 *14950	5720 12610	*4710 *10380	3090 6810			*3420 *7540	2440 5380	5.38 (17.6)

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.

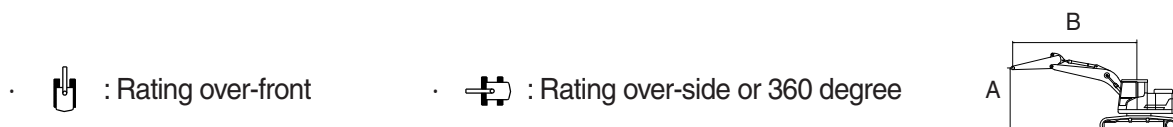
The difference between the weight of a work tool attachment must be subtracted.













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

Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145CRT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2800	600	-	-	-	-	-



Lift-point height (A)		Lift-point 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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2300 *5070	*2300 *5070	4.48 (14.7)
6.0 m (19.7 ft)	kg lb					*3280 *7230	*3280 *7230	*1920 *4230	*1920 *4230			*1900 *4190	*1900 *4190	6.01 (19.7)
4.5 m (14.8 ft)	kg lb					*3450 *7610	*3450 *7610	*3230 *7120	2360 5200			*1760 *3880	*1760 *3880	6.89 (22.6)
3.0 m (9.8 ft)	kg lb			*5250 *11570	*5250 *11570	*4630 *10210	3580 7890	3450 7610	2280 5030			*1750 *3860	1610 3550	7.37 (24.2)
1.5 m (4.9 ft)	kg lb			*8760 *19310	6130 13510	5210 11490	3330 7340	3330 7340	2170 4780	*1910 *4210	1520 3350	*1820 *4010	1520 3350	7.52 (24.7)
0.0 m (0.0 ft)	kg lb			*7520 *16580	5690 12540	4980 10980	3120 6880	3220 7100	2070 4560			*2000 *4410	1540 3400	7.36 (24.1)
-1.5 m (-4.9 ft)	kg lb	*4280 *9440	*4280 *9440	*9250 *20390	5570 12280	4870 10740	3020 6660	3170 6990	2020 4450			*2360 *5200	1680 3700	6.87 (22.5)
-3.0 m (-9.8 ft)	kg lb	*7420 *16360	*7420 *16360	*7650 *16870	5630 12410	4880 10760	3030 6680					*3150 *6940	2070 4560	5.97 (19.6)
-4.5 m (-14.8 ft)	kg lb			*4480 *9880	*4480 *9880							*2630 *5800	*2630 *5800	4.42 (14.5)

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.

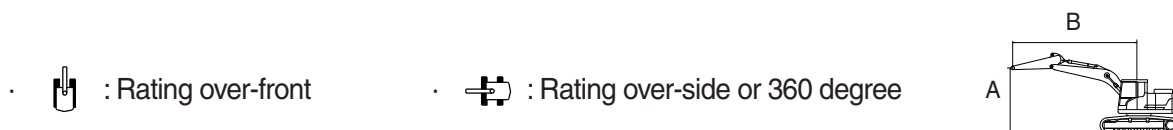
The difference between the weight of a work tool attachment must be subtracted.











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

Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145LCRT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	600	-	-	-	-	-



Lift-point height (A)		Lift-point 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)
7.5 m (24.6 ft)	kg lb			*4060 *8950	*4060 *8950					*2910 *6420	*2910 *6420	3.63 (11.9)
6.0 m (19.7 ft)	kg lb					*3820 *8420	*3820 *8420			*2260 *4980	*2260 *4980	5.42 (17.8)
4.5 m (14.8 ft)	kg lb			*3950 *8710	*3950 *8710	*4310 *9500	3760 8290	*3330 *7340	2350 5180	*2070 *4560	*2070 *4560	6.38 (20.9)
3.0 m (9.8 ft)	kg lb			*7200 *15870	6730 14840	*5150 *11350	3560 7850	3460 7630	2280 5030	*2040 *4500	1810 3990	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*8100 *17860	6020 13270	5210 11490	3320 7320	3350 7390	2190 4830	*2130 *4700	1710 3770	7.06 (23.1)
0.0 m (0.0 ft)	kg lb			*6750 *14880	5720 12610	5020 11070	3150 6940	3270 7210	2110 4650	*2350 *5180	1740 3840	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4740 *10450	*4740 *10450	*8770 *19330	5680 12520	4950 10910	3090 6810	3240 7140	2080 4590	*2830 *6240	1930 4250	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8830 *19470	*8830 *19470	*6780 *14950	5790 12760	*4710 *10380	3130 6900			*3420 *7540	2480 5470	5.38 (17.6)

Note 1. Lifting capacity are based on ISO 10567.

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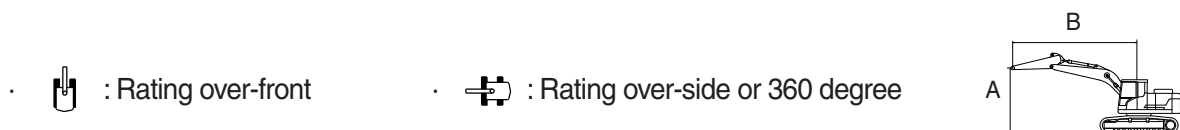
The difference between the weight of a work tool attachment must be subtracted.













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

Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145LCRT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2800	600	-	-	-	-	-



Lift-point height (A)		Lift-point 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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2300 *5070	*2300 *5070	4.48 (14.7)
6.0 m (19.7 ft)	kg lb					*3280 *7230	*3280 *7230	*1920 *4230	*1920 *4230			*1900 *4190	*1900 *4190	6.01 (19.7)
4.5 m (14.8 ft)	kg lb					*3450 *7610	*3450 *7610	*3230 *7120	2390 5270			*1760 *3880	*1760 *3880	6.89 (22.6)
3.0 m (9.8 ft)	kg lb			*5250 *11570	*5250 *11570	*4630 *10210	3620 7980	3490 7690	2310 5090			*1750 *3860	1630 3590	7.37 (24.2)
1.5 m (4.9 ft)	kg lb			*8760 *19310	6200 13670	5270 11620	3370 7430	3370 7430	2200 4850	*1910 *4210	1550 3420	*1820 *4010	1540 3400	7.52 (24.7)
0.0 m (0.0 ft)	kg lb			*7520 *16580	5760 12700	5040 11110	3160 6970	3260 7190	2100 4630			*2000 *4410	1560 3440	7.36 (24.1)
-1.5 m (-4.9 ft)	kg lb	*4280 *9440	*4280 *9440	*9250 *20390	5640 12430	4920 10850	3060 6750	3210 7080	2050 4520			*2360 *5200	1710 3770	6.87 (22.5)
-3.0 m (-9.8 ft)	kg lb	*7420 *16360	*7420 *16360	*7650 *16870	5700 12570	4930 10870	3070 6770					*3150 *6940	2100 4630	5.97 (19.6)
-4.5 m (-14.8 ft)	kg lb			*4480 *9880	*4480 *9880							*2630 *5800	*2630 *5800	4.42 (14.5)

Note 1. Lifting capacity are based on ISO 10567.

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

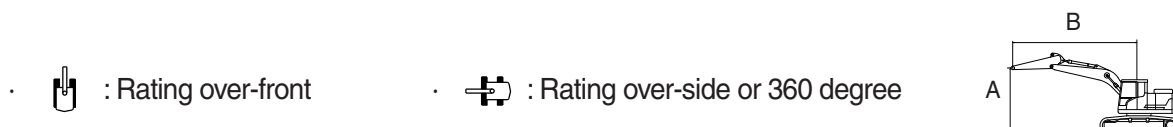
The difference between the weight of a work tool attachment must be subtracted.











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Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145CRT3 W/DOZER	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	600	-	Down	-	-	-



Lift-point height (A)		Lift-point 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)
7.5 m (24.6 ft)	kg lb			*4060 *8950	*4060 *8950					*2910 *6420	*2910 *6420	3.63 (11.9)
6.0 m (19.7 ft)	kg lb					*3820 *8420	*3820 *8420			*2260 *4980	*2260 *4980	5.42 (17.8)
4.5 m (14.8 ft)	kg lb			*3950 *8710	*3950 *8710	*4310 *9500	*4310 *9500	*3330 *7340	2710 5970	*2070 *4560	*2070 *4560	6.38 (20.9)
3.0 m (9.8 ft)	kg lb			*7200 *15870	*7200 *15870	*5150 *11350	4120 9080	*4270 *9410	2640 5820	*2040 *4500	*2040 *4500	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*8100 *17860	7150 15760	*5970 *13160	3870 8530	*4560 *10050	2550 5620	*2130 *4700	1990 4390	7.06 (23.1)
0.0 m (0.0 ft)	kg lb			*6750 *14880	*6750 *14880	*6350 *14000	3700 8160	*4650 *10250	2460 5420	*2350 *5180	2030 4480	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4740 *10450	*4740 *10450	*8770 *19330	6800 14990	*6020 *13270	3630 8000	*4240 *9350	2440 5380	*2830 *6240	2260 4980	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8830 *19470	*8830 *19470	*6780 *14950	*6780 *14950	*4710 *10380	3680 8110			*3420 *7540	2890 6370	5.38 (17.6)

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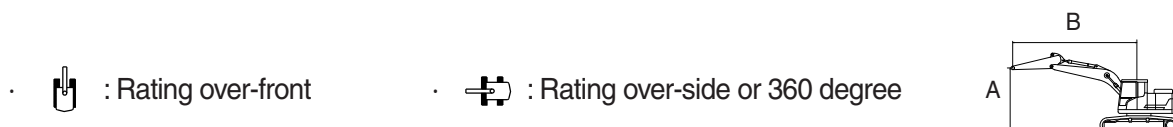
The difference between the weight of a work tool attachment must be subtracted.













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Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145CRT3 W/DOZER	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2800	600	-	Down	-	-	-



Lift-point height (A)		Lift-point 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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2300 *5070	*2300 *5070	4.48 (14.7)
6.0 m (19.7 ft)	kg lb					*3280 *7230	*3280 *7230	*1920 *4230	*1920 *4230			*1900 *4190	*1900 *4190	6.01 (19.7)
4.5 m (14.8 ft)	kg lb					*3450 *7610	*3450 *7610	*3230 *7120	2750 6060			*1760 *3880	*1760 *3880	6.89 (22.6)
3.0 m (9.8 ft)	kg lb			*5250 *11570	*5250 *11570	*4630 *10210	4190 9240	*3960 *8730	2670 5890			*1750 *3860	*1750 *3860	7.37 (24.2)
1.5 m (4.9 ft)	kg lb			*8760 *19310	7340 16180	*5670 *12500	3920 8640	*4390 *9680	2560 5640	*1910 *4210	1810 3990	*1820 *4010	1800 3970	7.52 (24.7)
0.0 m (0.0 ft)	kg lb			*7520 *16580	6880 15170	*6250 *13780	3710 8180	*4620 *10190	2460 5420			*2000 *4410	1830 4030	7.36 (24.1)
-1.5 m (-4.9 ft)	kg lb	*4280 *9440	*4280 *9440	*9250 *20390	6760 14900	*6180 *13620	3610 7960	*4450 *9810	2410 5310			*2360 *5200	2000 4410	6.87 (22.5)
-3.0 m (-9.8 ft)	kg lb	*7420 *16360	*7420 *16360	*7650 *16870	6820 15040	*5260 *11600	3620 7980					*3150 *6940	2460 5420	5.97 (19.6)
-4.5 m (-14.8 ft)	kg lb			*4480 *9880	*4480 *9880							*2630 *5800	*2630 *5800	4.42 (14.5)

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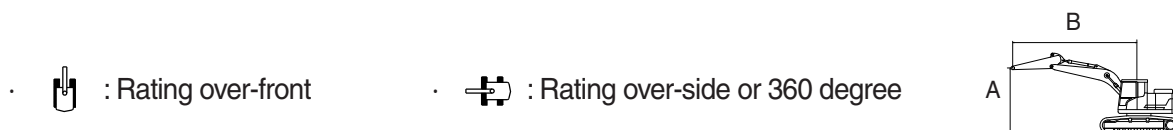
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Consult your HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145LCRT3 W/DOZER	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	600	-	Down	-	-	-



Lift-point height (A)		Lift-point 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)
7.5 m (24.6 ft)	kg lb			*4060 *8950	*4060 *8950					*2910 *6420	*2910 *6420	3.63 (11.9)
6.0 m (19.7 ft)	kg lb					*3820 *8420	*3820 *8420			*2260 *4980	*2260 *4980	5.42 (17.8)
4.5 m (14.8 ft)	kg lb			*3950 *8710	*3950 *8710	*4310 *9500	*4310 *9500	*3330 *7340	2740 6040	*2070 *4560	*2070 *4560	6.38 (20.9)
3.0 m (9.8 ft)	kg lb			*7200 *15870	*7200 *15870	*5150 *11350	4160 9170	*4270 *9410	2670 5890	*2040 *4500	*2040 *4500	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*8100 *17860	7230 15940	*5970 *13160	3910 8620	*4560 *10050	2570 5670	*2130 *4700	2020 4450	7.06 (23.1)
0.0 m (0.0 ft)	kg lb			*6750 *14880	*6750 *14880	*6350 *14000	3740 8250	*4650 *10250	2490 5490	*2350 *5180	2060 4540	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4740 *10450	*4740 *10450	*8770 *19330	6870 15150	*6020 *13270	3670 8090	*4240 *9350	2470 5450	*2830 *6240	2290 5050	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8830 *19470	*8830 *19470	*6780 *14950	*6780 *14950	*4710 *10380	3720 8200			*3420 *7540	2930 6460	5.38 (17.6)

Note 1. Lifting capacity are based on ISO 10567.

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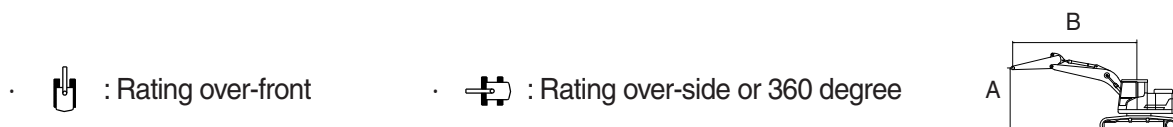
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



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Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145LCRT3 W/DOZER	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2800	600	-	Down	-	-	-



Lift-point height (A)		Lift-point 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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2300 *5070	*2300 *5070	4.48 (14.7)
6.0 m (19.7 ft)	kg lb					*3280 *7230	*3280 *7230	*1920 *4230	*1920 *4230			*1900 *4190	*1900 *4190	6.01 (19.7)
4.5 m (14.8 ft)	kg lb					*3450 *7610	*3450 *7610	*3230 *7120	2780 6130			*1760 *3880	*1760 *3880	6.89 (22.6)
3.0 m (9.8 ft)	kg lb			*5250 *11570	*5250 *11570	*4630 *10210	4230 9330	*3960 *8730	2700 5950			*1750 *3860	*1750 *3860	7.37 (24.2)
1.5 m (4.9 ft)	kg lb			*8760 *19310	7410 16340	*5670 *12500	3960 8730	*4390 *9680	2580 5690	*1910 *4210	1830 4030	*1820 *4010	*1820 *4010	7.52 (24.7)
0.0 m (0.0 ft)	kg lb			*7520 *16580	6950 15320	*6250 *13780	3750 8270	*4620 *10190	2490 5490			*2000 *4410	1850 4080	7.36 (24.1)
-1.5 m (-4.9 ft)	kg lb	*4280 *9440	*4280 *9440	*9250 *20390	6830 15060	*6180 *13620	3650 8050	*4450 *9810	2430 5360			*2360 *5200	2030 4480	6.87 (22.5)
-3.0 m (-9.8 ft)	kg lb	*7420 *16360	*7420 *16360	*7650 *16870	6890 15190	*5260 *11600	3660 8070					*3150 *6940	2480 5470	5.97 (19.6)
-4.5 m (-14.8 ft)	kg lb			*4480 *9880	*4480 *9880							*2630 *5800	*2630 *5800	4.42 (14.5)

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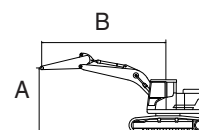
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Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145CRT3 W/DOZER	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	600	-	Up	-	-	-

 : 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)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb			*4060 *8950	*4060 *8950					*2910 *6420	*2910 *6420	3.63 (11.9)
6.0 m (19.7 ft)	kg lb					*3820 *8420	*3820 *8420			*2260 *4980	*2260 *4980	5.42 (17.8)
4.5 m (14.8 ft)	kg lb			*3950 *8710	*3950 *8710	*4310 *9500	3900 8600	*3330 *7340	2450 5400	*2070 *4560	*2070 *4560	6.38 (20.9)
3.0 m (9.8 ft)	kg lb			*7200 *15870	6980 15390	*5150 *11350	3700 8160	3730 8220	2380 5250	*2040 *4500	1900 4190	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*8100 *17860	6270 13820	5670 12500	3460 7630	3620 7980	2290 5050	*2130 *4700	1790 3950	7.06 (23.1)
0.0 m (0.0 ft)	kg lb			*6750 *14880	5970 13160	5480 12080	3290 7250	3540 7800	2210 4870	*2350 *5180	1820 4010	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4740 *10450	*4740 *10450	*8770 *19330	5940 13100	5400 11900	3230 7120	3510 7740	2180 4810	*2830 *6240	2020 4450	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8830 *19470	*8830 *19470	*6780 *14950	6040 13320	*4710 *10380	3280 7230			*3420 *7540	2590 5710	5.38 (17.6)

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.

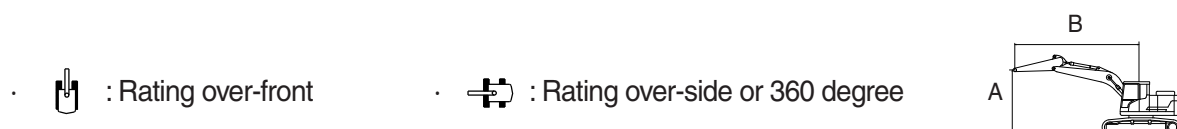
The difference between the weight of a work tool attachment must be subtracted.











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

Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145CRT3 W/DOZER	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2800	600	-	Up	-	-	-



Lift-point height (A)		Lift-point 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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2300 *5070	*2300 *5070	4.48 (14.7)
6.0 m (19.7 ft)	kg lb					*3280 *7230	*3280 *7230	*1920 *4230	*1920 *4230			*1900 *4190	*1900 *4190	6.01 (19.7)
4.5 m (14.8 ft)	kg lb					*3450 *7610	*3450 *7610	*3230 *7120	2490 5490			*1760 *3880	*1760 *3880	6.89 (22.6)
3.0 m (9.8 ft)	kg lb			*5250 *11570	*5250 *11570	*4630 *10210	3770 8310	3760 8290	2410 5310			*1750 *3860	1710 3770	7.37 (24.2)
1.5 m (4.9 ft)	kg lb			*8760 *19310	6450 14220	*5670 *12500	3510 7740	3640 8020	2300 5070	*1910 *4210	1620 3570	*1820 *4010	1620 3570	7.52 (24.7)
0.0 m (0.0 ft)	kg lb			*7520 *16580	6010 13250	5500 12130	3310 7300	3530 7780	2200 4850			*2000 *4410	1640 3620	7.36 (24.1)
-1.5 m (-4.9 ft)	kg lb	*4280 *9440	*4280 *9440	*9250 *20390	5900 13010	5380 11860	3210 7080	3480 7670	2150 4740			*2360 *5200	1790 3950	6.87 (22.5)
-3.0 m (-9.8 ft)	kg lb	*7420 *16360	*7420 *16360	*7650 *16870	5950 13120	*5260 *11600	3220 7100					*3150 *6940	2200 4850	5.97 (19.6)
-4.5 m (-14.8 ft)	kg lb			*4480 *9880	*4480 *9880							*2630 *5800	*2630 *5800	4.42 (14.5)

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.

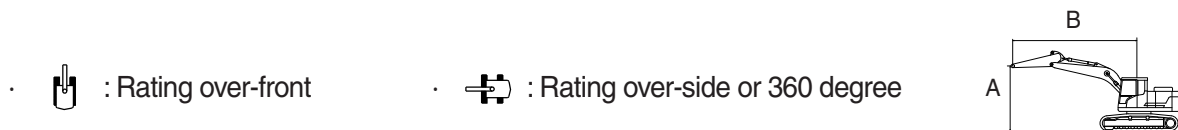
The difference between the weight of a work tool attachment must be subtracted.











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

Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145LCRT3 W/DOZER	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2500	2800	600	-	Up	-	-	-



Lift-point height (A)		Lift-point 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)
7.5 m (24.6 ft)	kg lb			*4060 *5950	*4060 *8950					*2910 *6420	*2910 *6420	3.63 (11.9)
6.0 m (19.7 ft)	kg lb					*3820 *8420	*3820 *8420			*2260 *4980	*2260 *4980	5.42 (17.8)
4.5 m (14.8 ft)	kg lb			*3950 *9710	*3950 *8710	*4310 *9500	3940 8690	*3330 *7340	2470 5450	*2070 *4560	*2070 *4560	6.38 (20.9)
3.0 m (9.8 ft)	kg lb			*7200 *15870	7040 15520	*5150 *11350	3740 8250	3770 8310	2410 5310	*2040 *4500	1920 4230	6.90 (22.6)
1.5 m (4.9 ft)	kg lb			*8100 *17860	6340 13980	5730 12630	3500 7720	3660 8070	2310 5090	*2130 *4700	1810 3990	7.06 (23.1)
0.0 m (0.0 ft)	kg lb			*6750 *14880	6040 13320	5530 12190	3330 7340	3570 7870	2230 4920	*2350 *5180	1840 4060	6.89 (22.6)
-1.5 m (-4.9 ft)	kg lb	*4740 *10450	*4740 *10450	*8770 *19330	6000 13230	5460 12040	3270 7210	3540 7800	2210 4870	*2830 *6240	2050 4520	6.36 (20.9)
-3.0 m (-9.8 ft)	kg lb	*8830 *19470	*8830 *19470	*6780 *14950	6110 13470	*4710 *10380	3310 7300			*3420 *7540	2620 5780	5.38 (17.6)

Note 1. 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.

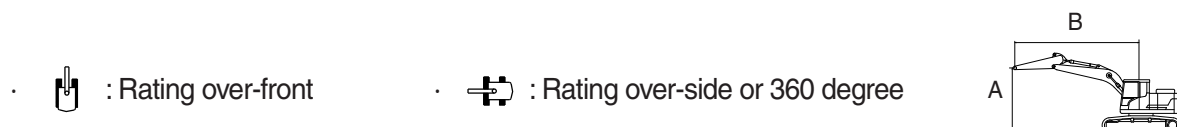
The difference between the weight of a work tool attachment must be subtracted.











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

Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX145LCRT3 W/DOZER	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	3000	2800	600	-	Up	-	-	-



Lift-point height (A)		Lift-point 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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb											*2300 *5070	*2300 *5070	4.48 (14.7)
6.0 m (19.7 ft)	kg lb					*3280 *7230	*3280 *7230	*1920 *4230	*1920 *4230			*1900 *4190	*1900 *4190	6.01 (19.7)
4.5 m (14.8 ft)	kg lb					*3450 *7610	*3450 *7610	*3230 *7120	2510 5530			*1760 *3880	*1760 *3880	6.89 (22.6)
3.0 m (9.8 ft)	kg lb			*5250 *11570	*5250 *11570	*4630 *10210	3800 8380	3800 8380	2430 5360			*1750 *3860	1730 3810	7.37 (24.2)
1.5 m (4.9 ft)	kg lb			*8760 *19310	6520 14370	*5670 *12500	3550 7830	3680 8110	2320 5110	*1910 *4210	1640 3620	*1820 *4010	1630 3590	7.52 (24.7)
0.0 m (0.0 ft)	kg lb			*7520 *16580	6080 13400	5550 12240	3340 7360	3570 7870	2220 4890			*2000 *4410	1660 3660	7.36 (24.1)
-1.5 m (-4.9 ft)	kg lb	*4280 *9440	*4280 *9440	*9250 *20390	5960 13140	5440 11990	3240 7140	3510 7740	2170 4780			*2360 *5200	1810 3990	6.87 (22.5)
-3.0 m (-9.8 ft)	kg lb	*7420 *16360	*7420 *16360	*7650 *16870	6020 13270	*5260 *11600	3250 7170					*3150 *6940	2220 4890	5.97 (19.6)
-4.5 m (-14.8 ft)	kg lb			*4480 *9880	*4480 *9880							*2630 *5800	*2630 *5800	4.42 (14.5)

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

Failure to comply to the rated load can cause possible personal injury or property damage.

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

6. BUCKET SELECTION GUIDE

1) BUCKET SELECTION



General bucket



Heavy duty
(without side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO	
	SAE Heaped	CECE heaped	Without side cutter			Recommendation	mm (ft-in)
						4.6 m (15' 1") Boom	
	m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	2.5 m (8' 2") Arm	3.0 m (9' 10") Arm
General bucket	0.58 (0.76)	0.50 (0.65)	960 (37.8')	468 (1,030)	5	■	▲
	0.52 (0.68)	0.45 (0.59)	875 (34.4')	465 (1,030)	5	■	▲
	0.65 (0.85)	0.55 (0.72)	1065 (41.9")	516 (1,140)	5	▲	X
	0.71 (0.93)	0.60 (0.78)	1,150 (45.3")	539 (1,190)	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

※ These recommendations are for general conditions and average use.

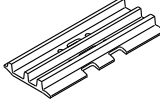
Work tools and ground conditions have effects on machine performance.

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

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

7. UNDERCARRIAGE

1) TYPES OF SHOES

Model	Shapes		Triple grouser		
					
-	Shoe width	mm (in)	500 (20)	600 (24)	700 (32)
HX145LCRT3 STD CRAWLER WO DOZER	Operating weight	kg (lb)	14660 (32320)	14880 (32800)	15090 (33270)
	Ground pressure	kgf/cm ² (psi)	0.46 (6.61)	0.39 (5.59)	0.34 (4.86)
	Overall width	mm (ft-in)	2500 (8' 2")	2600 (8' 6")	2700 (8' 10")
	Link quantity	EA	45	45	45
HX145LCRT3 LONG CRAWLER WO DOZER	Operating weight	kg (lb)	14900 (32850)	15130 (33360)	15350 (33840)
	Ground pressure	kgf/cm ² (psi)	0.45 (6.36)	0.38 (5.38)	0.33 (4.68)
	Overall width	mm (ft-in)	2500 (8' 2")	2600 (8' 6")	2700 (8' 10")
	Link quantity	EA	47	47	47
HX145LCRT3 STD CRAWLER WITH DOZER	Operating weight	kg (lb)	15470 (34110)	15700 (34610)	15910 (35080)
	Ground pressure	kgf/cm ² (psi)	0.49 (6.98)	0.41 (5.90)	0.36 (5.12)
	Overall width	mm (ft-in)	2500 (8' 2")	2600 (8' 6")	2700 (8' 10")
	Link quantity	EA	45	45	45
HX145LCRT3 LONG CRAWLER WITH DOZER	Operating weight	kg (lb)	15680 (34570)	15920 (35100)	16150 (35600)
	Ground pressure	kgf/cm ² (psi)	0.47 (6.69)	0.40 (5.66)	0.35 (4.92)
	Overall width	mm (ft-in)	2500 (8' 2")	2600 (8' 6")	2700 (8' 10")
	Link quantity	EA	47	47	47

2) 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
500 mm triple grouser	Option	A
600 mm triple grouser	Standard	A
700 mm triple grouser	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
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 treesTravel at high speed only on flat groundTravel 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 BThese shoes cannot be used on rough ground with large obstacles such as boulders or fallen treesTravel at high speed only on flat groundTravel slowly at low speed if it is impossible to avoid going over obstacles

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	Cummins, QSB4.5
Type	4-cycle, turbocharged, charge air cooled, electronic controlled diesel engine
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	107 × 124 mm (4.21" × 4.88")
Displacement	4.5 ℓ (275 cu in)
Compression ratio	17.2 : 1
Gross power	130 Hp (97 kW) at 2000 rpm
Net power	127 Hp (95 kW) at 2000 rpm
Max. power	135 Hp (101 kW) at 1800 rpm
Peak Torque	620 N · m (457 lbf · ft) at 1500 rpm
Engine oil quantity	11 ℓ (2.9 U.S. gal)
Wet weight	371 kg (818 lb)
Starter motor	24 V-4.8 kW
Alternator	24 V-70 A

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 65 cc/rev
Maximum pressure	350 kgf/cm ² (4980 psi) [380 kgf/cm ² (5400 psi)]
Rated oil flow	2 × 120 ℓ /min (31.7 U.S. gpm/ 26.4 U.K. gpm)
Rated speed	1850 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 (570 psi)
Rated oil flow	27.8 ℓ /min (7.3 U.S. gpm/6.1 U.K. gpm)

4) MAIN CONTROL VALVE

Item	Specification
Type	11 spools two-block
Operating method	Hydraulic pilot system
Main relief valve pressure	350 kgf/cm ² (4980 psi) [380 kgf/cm ² (5400 psi)]
Port relief valve pressure	Boom 400 kgf/cm ² (5690 psi)
	Arm 400 kgf/cm ² (5690 psi)
	Bucket 400 kgf/cm ² (5690 psi)

[]: Power boost

5) SWING MOTOR

Item	Specification
Type	Fixed displacement axial piston motor
Capacity	72 cc/rev
Relief pressure	280 kgf/cm ² (3983 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	Minimum 36.8 kgf · m (266 lbf · ft)
Brake release pressure	24 kgf/cm ² (341 psi)
Reduction gear type	2 - stage planetary

6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Capacity	77/44.5 cc/rev
Relief pressure	350 kgf/cm ² (4980 psi)
Reduction gear type	2-stage planetary
Braking system	Automatic, spring applied hydraulic released
Brake release pressure	12.5 kgf/cm ² (178 psi)
Braking torque	33.1 kgf · m (240 lbf · ft)

7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Stroke	Ø 105 × 1105 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	Ø 115 × 1138 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Stroke	Ø 100 × 850 mm
	Cushion	Extend only
Dozer cylinder (opt)	Bore dia × Stroke	Ø 100 × 250 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)	40 (104)
Engine oil pan	Engine oil	11 (2.9)	★SAE 0W-30								
					SAE 5W-30						
					SAE 10W-30						
					SAE CI-4 and 10W-30						
					SAE 5W-40 or 15W-40						
Swing drive	Gear oil	3.5 (0.9)	★SAE 75W-90								
Final drive		2.3×2 (0.6×2)			SAE 80W-90						
Hydraulic tank	Hydraulic oil	Tank : 96 (25.4)	★ISO VG 15								
		System : 180 (47.6)			ISO VG 32						
					ISO VG 68						
Fuel tank	Diesel fuel	210 (55.5)	★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 soft water★1	24 (6.3)	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

※ 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.

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