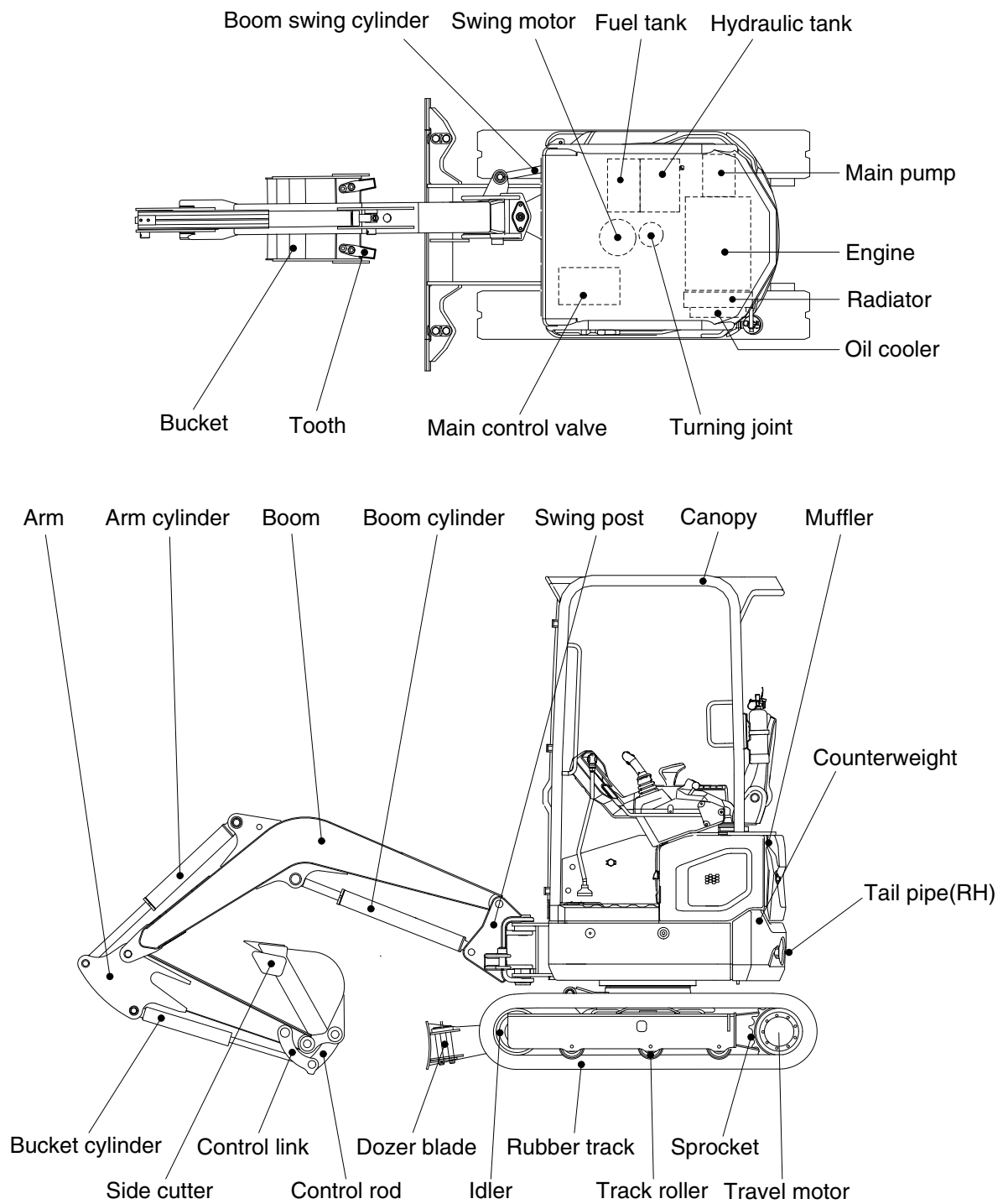


SPECIFICATIONS

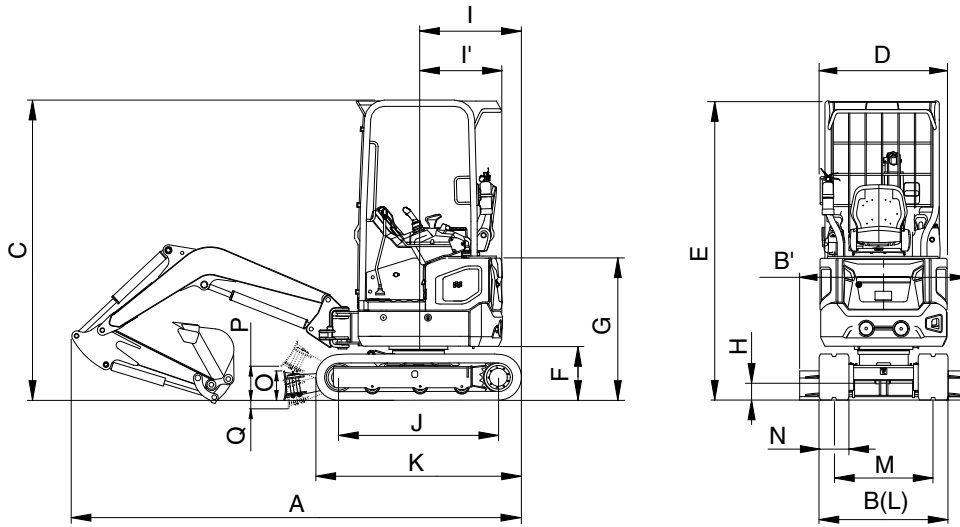
1. MAJOR COMPONENTS



17AZ2SP01

2. SPECIFICATIONS

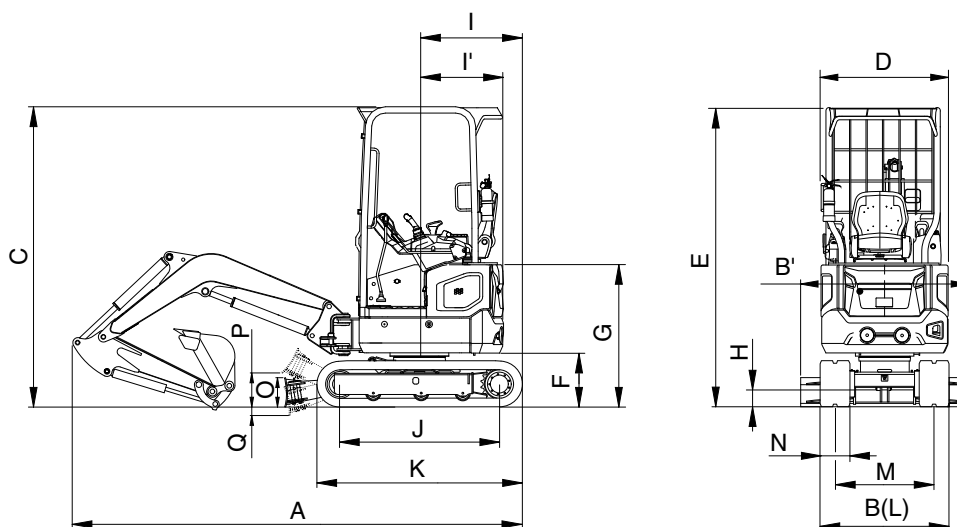
1) 1.75 m (5' 9") MONO BOOM, 1.03 m (3' 5") ARM, 180 kg CWT



17AZ2SP02

Description		Unit	Specification
Operating weight (canopy)		kg (lb)	1850 (4080)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.04 (0.052)
Overall length	A	mm (ft-in)	3531 (11' 6")
Overall width (extension crawler)	B		994~1290 (3' 3"~4' 3")
Overall width (dozer blade)	B'		1294 (4' 3")
Overall height	C		2320 (7' 7")
Overall width of upperstructure	D		980 (3' 3")
Overall height of canopy	E		2320 (7' 7")
Ground clearance of counterweight	F		415 (1' 4")
Overall height of engine hood	G		1095 (3' 7")
Minimum ground clearance	H		150 (0' 6")
Rear-end distance	I		645 (2' 1")
Rear-end swing radius	I'		645 (2' 1")
Distance between tumblers	J		1230 (4' 0")
Undercarriage length	K		1580 (5' 2")
Undercarriage width (extension crawler)	L		994~1290 (3' 3"~4' 3")
Track gauge (extension crawler)	M		764~1060 (2' 6"~3' 6")
Track shoe width, standard	N		230 (0' 9")
Height of blade	O		225 (0' 9")
Ground clearance of blade up	P		183 (0' 7")
Depth of blade down	Q		222 (0' 9")
Travel speed (low/high)		km/hr (mph)	2.21/4.09 (1.37/2.54)
Swing speed		rpm	9.16
Gradeability		Degree (%)	35 (70)
Ground pressure 230 mm rubber shoe (canopy)		kgf/cm ² (psi)	0.31 (4.38)
Max traction force		kg (lb)	1420 (3130)

2) 1.75 m (5' 9") MONO BOOM, 1.23 m (4' 0") LONG ARM, 260 kg ADD CWT

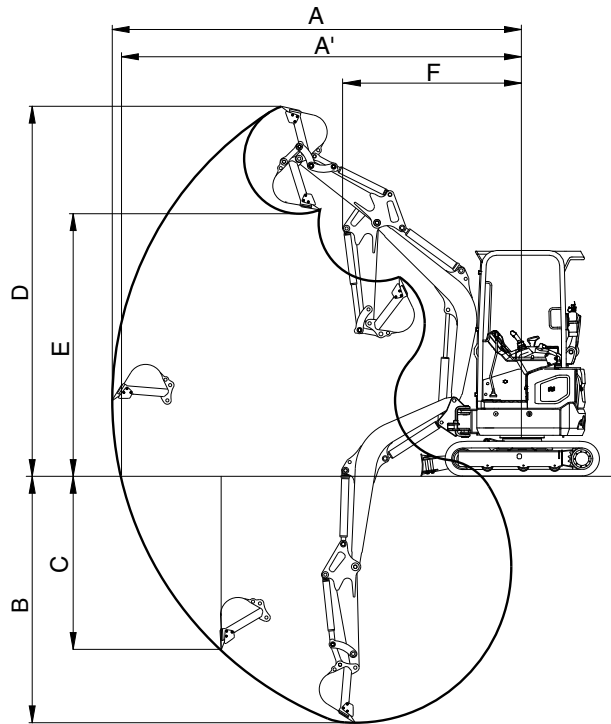


17AZ2SP02

Description		Unit	Specification
Operating weight (canopy)		kg (lb)	1980 (4370)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.04 (0.052)
Overall length	A	mm (ft-in)	3528 (11' 6")
Overall width (extension crawler)	B		994~1290 (3' 3"~4' 3")
Overall width (dozer blade)	B'		1294 (4' 3")
Overall height	C		2320 (7' 7")
Overall width of upperstructure	D		980 (3' 3")
Overall height of canopy	E		2320 (7' 7")
Ground clearance of counterweight	F		415 (1' 4")
Overall height of engine hood	G		1095 (3' 7")
Minimum ground clearance	H		150 (0' 6")
Rear-end distance	I		720 (2' 4")
Rear-end swing radius	I'		720 (2' 4")
Distance between tumblers	J		1230 (4' 0")
Undercarriage length	K		1580 (5' 2")
Undercarriage width (extension crawler)	L		994~1290 (3' 3"~4' 3")
Track gauge (extension crawler)	M		764~1060 (2' 6"~3' 6")
Track shoe width, standard	N		230 (0' 9")
Height of blade	O		225 (0' 9")
Ground clearance of blade up	P		183 (0' 7")
Depth of blade down	Q		222 (0' 9")
Travel speed (low/high)		km/hr (mph)	2.21/4.09 (1.37/2.54)
Swing speed		rpm	9.16
Gradeability		Degree (%)	35 (70)
Ground pressure 230 mm rubber shoe (canopy)		kgf/cm ² (psi)	0.33 (4.68)
Max traction force		kg (lb)	1420 (3130)

3. WORKING RANGE

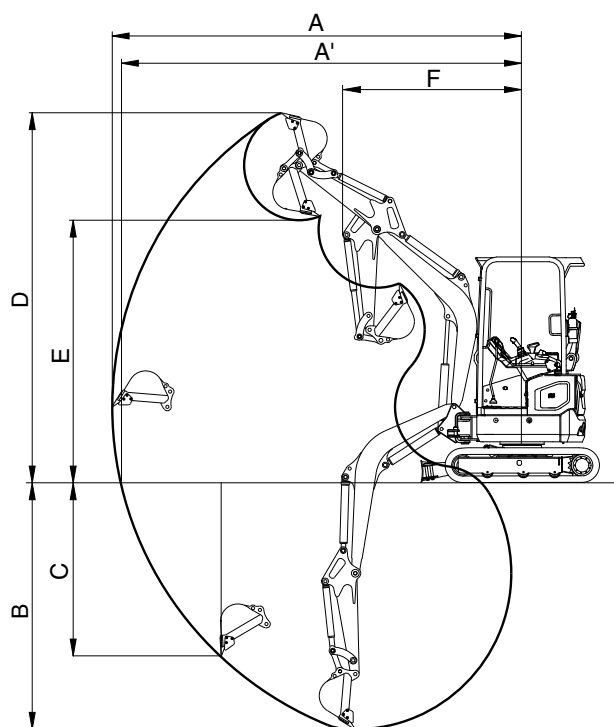
1) 1.75 m (5' 9") MONO BOOM WITH 180 KG COUNTERWEIGHT



17AZ2SP05

Description		1.03 m (3' 5") Arm
Max digging reach	A	3910 mm (12' 10")
Max digging reach on ground	A'	3820 mm (12' 6")
Max digging depth	B	2240 mm (7' 4")
Max digging depth (8 ft level)	B'	1600 mm (5' 3")
Max vertical wall digging depth	C	1750 mm (5' 9")
Max digging height	D	3730 mm (12' 3")
Max dumping height	E	2670 mm (8' 9")
Min swing radius	F	1580 mm (5' 2")
Boom swing radius (left/right)		55°/59°
Bucket digging force	SAE	14 kN
		1436 kgf
		3167 lbf
	ISO	16 kN
		1664 kgf
		3668 lbf
Arm crowd force	SAE	9 kN
		899 kgf
		1981 lbf
	ISO	9 kN
		933 kgf
		2057 lbf

2) 1.75 m (5' 9") MONO BOOM WITH 260 KG COUNTERWEIGHT



17AZ2SP05

Description		1.23 m (4' 0") Long arm	
Max digging reach	A	4100 mm (13' 5")	
Max digging reach on ground	A'	4010 mm (13' 2")	
Max digging depth	B	2440 mm (8' 0")	
Max digging depth (8 ft level)	B'	1880 mm (6' 2")	
Max vertical wall digging depth	C	1940 mm (6' 4")	
Max digging height	D	3870 mm (12' 8")	
Max dumping height	E	2810 mm (9' 3")	
Min swing radius	F	1645 mm (5' 5")	
Boom swing radius (left/right)		55°/59°	
Bucket digging force	SAE	14 kN	
		1436 kgf	
		3167 lbf	
	ISO	16 kN	
		1664 kgf	
		3668 lbf	
Arm crowd force	SAE	8 kN	
		796 kgf	
		1754 lbf	
	ISO	8 kN	
		822 kgf	
		1812 lbf	

4. WEIGHT

Item	kg	lb
Upperstructure assembly		
· Main frame weld assembly	201	443
· Engine assembly (including DFP)	75	165
· Main pump assembly	13	29
· Main control valve assembly	14	31
· Swing motor assembly	23	51
· Hydraulic oil tank wa	16	35
· Fuel tank wa	5	10
· Counterweight	180	397
· Counterweight-add	260	573
· Cab assembly	190	419
Lower chassis assembly		
· Track frame weld assembly	206	454
· Dozer blade assembly	63	139
· Swing bearing	19	42
· Travel motor assembly	36	79
· Turning joint	14	31
· Sprocket	4	10
· Track recoil spring	11	24
· Idler	14	32
· Lower roller	5	10
· Track-chain assembly-rubber	71	157
Front attachment assembly		
· Boom assembly-1.75 m	72	159
· Arm assembly-1.03 m	37	83
· Arm assembly-1.03 m thumb bracket	40	88
· Arm assembly-1.23 m	47	104
· Arm assembly-1.23 m thumb bracket	49	109
· Bucket assembly	41	90
· Boom cylinder assembly	16	36
· Arm cylinder assembly	16	34
· Bucket cylinder assembly	12	25
· Swing cylinder assembly	10	22
· Cylinder assy-dozer	11	24
· Extension cylinder	7	15
· Bucket control linkage total	12	27



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

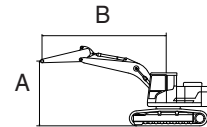
※ Refer to transportation for actual weight information and specifications for operating weight.









5. LIFTING CAPACITIES

1) STANDARD COUNTERWEIGHT (180 kg)

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX17A Z	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		1750	1030	180	230	-	Up	-	-	-

 : Rating over-front
  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)						At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		Capacity		Reach
										m (ft)
3.0 m	kg	*390	*390					*410	*410	2.18
(9.8 ft)	lb	*860	*860					*900	*900	(7.2)
2.5 m	kg			*370	360			320	300	2.74
(8.2 ft)	lb			*820	790			710	660	(9.0)
2.0 m	kg	*380	*380	370	350	270	260	260	250	3.07
(6.6 ft)	lb	*840	*840	820	770	600	570	570	550	(10.1)
1.5 m	kg	*510	490	360	340	270	260	230	220	3.27
(4.9 ft)	lb	*1120	1080	790	750	600	570	510	490	(10.7)
1.0 m	kg	490	460	350	330	260	250	220	210	3.36
(3.3 ft)	lb	1080	1010	770	730	570	550	490	460	(11.0)
0.5 m	kg	470	440	340	320	260	250	220	210	3.36
(1.6 ft)	lb	1040	970	750	710	570	550	490	460	(11.0)
Ground Line	kg	460	430	330	310	250	240	230	220	3.26
	lb	1010	950	730	680	550	530	510	490	(10.7)
-0.5 m	kg	450	420	330	310	250	240	250	240	3.05
(-1.6 ft)	lb	990	930	730	680	550	530	550	530	(10.0)
-1.0 m	kg	460	430	330	310			300	280	2.70
(-3.3 ft)	lb	1010	950	730	680			660	620	(8.9)
-1.5 m	kg	470	440					*430	410	2.11
(-4.9 ft)	lb	1040	970					*950	900	(6.9)

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.

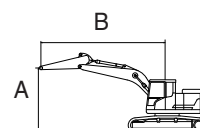
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









※ 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.

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX17A Z	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		1750	1030	180	230	-	Down	-	-	-

 : Rating over-front
 ·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)						At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		Capacity		Reach
										m (ft)
3.0 m	kg	*390	*390					*410	*410	2.18
(9.8 ft)	lb	*860	*860					*900	*900	(7.2)
2.5 m	kg			*370	*370			*350	330	2.74
(8.2 ft)	lb			*820	*820			*770	730	(9.0)
2.0 m	kg	*380	*380	*380	380	*390	280	*330	270	3.07
(6.6 ft)	lb	*840	*840	*840	840	*860	620	*730	600	(10.1)
1.5 m	kg	*510	*510	*440	370	*400	280	*330	240	3.27
(4.9 ft)	lb	*1120	*1120	*970	820	*880	620	*730	530	(10.7)
1.0 m	kg	*690	500	*520	360	*440	270	*340	230	3.36
(3.3 ft)	lb	*1520	1100	*1150	790	*970	600	*750	510	(11.0)
0.5 m	kg	*830	480	*590	340	*470	260	*370	220	3.36
(1.6 ft)	lb	*1830	1060	*1300	750	*1040	570	*820	490	(11.0)
Ground Line	kg	*880	460	*630	340	*490	260	*410	230	3.26
	lb	*1940	1010	*1390	750	*1080	570	*900	510	(10.7)
-0.5 m	kg	*850	460	*620	330	*460	260	*440	250	3.05
(-1.6 ft)	lb	*1870	1010	*1370	730	*1010	570	*970	550	(10.0)
-1.0 m	kg	*740	470	*530	340			*450	300	2.70
(-3.3 ft)	lb	*1630	1040	*1170	750			*990	660	(8.9)
-1.5 m	kg	*480	480					*430	*430	2.11
(-4.9 ft)	lb	*1060	1060					*950	*950	(6.9)

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.

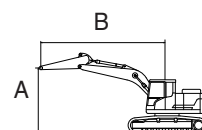
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











※ 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.

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX17A Z	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		1750	1230	180	230	-	Up	-	-	-

 : Rating over-front
 ·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
												m (ft)
3.0 m (9.8 ft)	kg lb									*320 *710	*320 *710	2.50 (8.2)
2.5 m (8.2 ft)	kg lb			*310 *680	*310 *680					280 620	260 570	2.98 (9.8)
2.0 m (6.6 ft)	kg lb			*330 *730	*330 *730	280 620	260 570			230 510	220 490	3.28 (10.8)
1.5 m (4.9 ft)	kg lb	*420 *930	*420 *930	360 790	350 770	270 600	260 570			210 460	200 440	3.47 (11.4)
1.0 m (3.3 ft)	kg lb	500 1100	470 1040	350 770	330 730	260 570	250 550	210 460	200 440	200 440	190 420	3.55 (11.7)
0.5 m (1.6 ft)	kg lb	470 1040	440 970	340 750	320 710	260 570	240 530	200 440	190 420	200 440	190 420	3.55 (11.6)
Ground Line	kg lb	450 990	420 930	320 710	310 680	250 550	240 530			200 440	190 420	3.45 (11.3)
-0.5 m (-1.6 ft)	kg lb	440 970	420 930	320 710	300 660	250 550	230 510			220 490	210 460	3.26 (10.7)
-1.0 m (-3.3 ft)	kg lb	450 990	420 930	320 710	300 660					250 550	240 530	2.95 (9.7)
-1.5 m (-4.9 ft)	kg lb	460 1010	430 950							340 750	320 710	2.44 (8.0)

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.

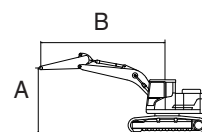
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











※ 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.

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX17A Z	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		1750	1230	180	230	-	Down	-	-	-

 : Rating over-front
 ·  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
												m (ft)
3.0 m (9.8 ft)	kg lb									*320 *710	*320 *710	2.50 (8.2)
2.5 m (8.2 ft)	kg lb			*310 *680	*310 *680					*280 *620	*280 *620	2.98 (9.8)
2.0 m (6.6 ft)	kg lb			*330 *730	*330 *730	*340 *750	280 620			*270 *600	240 530	3.28 (10.8)
1.5 m (4.9 ft)	kg lb	*420 *930	*420 *930	*390 *860	370 820	*370 *820	280 620			*270 *600	220 490	3.47 (11.4)
1.0 m (3.3 ft)	kg lb	*600 *1320	500 1100	*470 *1040	360 790	*410 *900	270 600	*350 *770	210 460	*270 *600	210 460	3.55 (11.7)
0.5 m (1.6 ft)	kg lb	*770 *1700	480 1060	*550 *1210	340 750	*450 *990	260 570	*370 *820	210 460	*290 *640	200 440	3.55 (11.6)
Ground Line	kg lb	*860 *1900	460 1010	*610 *1340	330 730	*480 *1060	260 570			*330 *730	210 460	3.45 (11.3)
-0.5 m (-1.6 ft)	kg lb	*860 *1900	450 990	*620 *1370	330 730	*470 *1040	250 550			*390 *860	230 510	3.26 (10.7)
-1.0 m (-3.3 ft)	kg lb	*790 *1740	450 990	*570 *1260	330 730					*420 *930	260 570	2.95 (9.7)
-1.5 m (-4.9 ft)	kg lb	*610 *1340	460 1010							*420 *930	350 770	2.44 (8.0)

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.

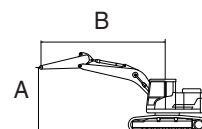
※ Please be aware of the local regulations and instructions for lifting operations.











▲ 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.

2) ADD COUNTERWEIGHT (260 kg)

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outrigger	
HX17A Z	CANOPY	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		1750	1230	260	230	-	Up	-	-	-

 : Rating over-front
  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
												m (ft)
3.0 m (9.8 ft)	kg lb									*320 *710	*320 *710	2.50 (8.2)
2.5 m (8.2 ft)	kg lb			*310 *680	*310 *680					*280 *620	*280 *620	2.98 (9.8)
2.0 m (6.6 ft)	kg lb			*330 *730	*330 *730	310 680	290 640			260 570	250 550	3.28 (10.8)
1.5 m (4.9 ft)	kg lb	*420 *930	*420 *930	*390 *860	380 840	300 660	290 640			240 530	230 510	3.47 (11.4)
1.0 m (3.3 ft)	kg lb	550 1210	520 1150	390 860	370 820	300 660	280 620	230 510	220 490	230 510	220 490	3.55 (11.7)
0.5 m (1.6 ft)	kg lb	520 1150	490 1080	380 840	350 770	290 640	270 600	230 510	220 490	220 490	210 460	3.55 (11.6)
Ground Line	kg lb	510 1120	470 1040	360 790	340 750	280 620	270 600			230 510	220 490	3.45 (11.3)
-0.5 m (-1.6 ft)	kg lb	500 1100	470 1040	360 790	340 750	280 620	260 570			250 550	240 530	3.26 (10.7)
-1.0 m (-3.3 ft)	kg lb	500 1100	470 1040	360 790	340 750					290 640	270 600	2.95 (9.7)
-1.5 m (-4.9 ft)	kg lb	510 1120	480 1060							380 840	360 790	2.44 (8.0)

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.

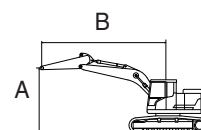
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▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX17A Z	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		1750	1230	260	230	-	Down	-	-	-

 : Rating over-front
  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)								At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		Capacity		Reach
												m (ft)
3.0 m (9.8 ft)	kg lb									*320 *710	*320 *710	2.50 (8.2)
2.5 m (8.2 ft)	kg lb			*310 *680	*310 *680					*280 *620	*280 *620	2.98 (9.8)
2.0 m (6.6 ft)	kg lb			*330 *730	*330 *730	*340 *750	310 680			*270 *600	*270 *600	3.28 (10.8)
1.5 m (4.9 ft)	kg lb	*420 *930	*420 *930	*390 *860	*390 *860	*370 *820	310 680			*270 *600	240 530	3.47 (11.4)
1.0 m (3.3 ft)	kg lb	*600 *1320	560 1230	*470 *1040	400 880	*410 *900	300 660	*350 *770	240 530	*270 *600	230 510	3.55 (11.7)
0.5 m (1.6 ft)	kg lb	*770 *1700	530 1170	*550 *1210	380 840	*450 *990	290 640	*370 *820	230 510	*290 *640	230 510	3.55 (11.6)
Ground Line	kg lb	*860 *1900	510 1120	*610 *1340	370 820	*480 *1060	290 640			*330 *730	230 510	3.45 (11.3)
-0.5 m (-1.6 ft)	kg lb	*860 *1900	510 1120	*620 *1370	370 820	*470 *1040	280 620			*390 *860	250 550	3.26 (10.7)
-1.0 m (-3.3 ft)	kg lb	*790 *1740	510 1120	*570 *1260	370 820					*420 *930	290 640	2.95 (9.7)
-1.5 m (-4.9 ft)	kg lb	*610 *1340	520 1150							*420 *930	390 860	2.44 (8.0)

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.

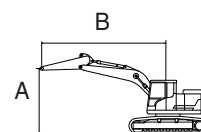
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









※ 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.

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX17A Z	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		1750	1030	260	230	-	Up	-	-	-

 : Rating over-front
  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)						At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		Capacity		Reach
										m (ft)
3.0 m (9.8 ft)	kg lb	*390 *860	*390 *860					*410 *900	*410 *900	2.18 (7.2)
2.5 m (8.2 ft)	kg lb			*370 *820	*370 *820			*350 *770	340 750	2.74 (9.0)
2.0 m (6.6 ft)	kg lb	*380 *840	*380 *840	*380 *840	*380 *840	310 680	290 640	290 640	280 620	3.07 (10.1)
1.5 m (4.9 ft)	kg lb	*510 *1120	*510 *1120	400 880	380 840	300 660	290 640	260 570	250 550	3.27 (10.7)
1.0 m (3.3 ft)	kg lb	550 1210	510 1120	390 860	370 820	300 660	280 620	250 550	240 530	3.36 (11.0)
0.5 m (1.6 ft)	kg lb	520 1150	490 1080	380 840	360 790	290 640	280 620	250 550	230 510	3.36 (11.0)
Ground Line	kg lb	510 1120	480 1060	370 820	350 770	290 640	270 600	250 550	240 530	3.26 (10.7)
-0.5 m (-1.6 ft)	kg lb	510 1120	480 1060	370 820	350 770	280 620	270 600	280 620	260 570	3.05 (10.0)
-1.0 m (-3.3 ft)	kg lb	510 1120	480 1060	370 820	350 770			330 730	320 710	2.70 (8.9)
-1.5 m (-4.9 ft)	kg lb	*480 *1060	*480 *1060					*430 *950	*430 *950	2.11 (6.9)

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).

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※ 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.

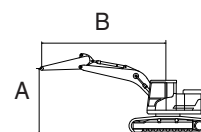
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









※ 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.

Model	Type	Boom	Arm	Counterweight	Rubber shoe	Wheel	Dozer		Outtriger	
HX17A Z	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		1750	1030	260	230	-	Down	-	-	-

 : Rating over-front
  : Rating over-side or 360 degree



Load point height (A)		Load radius (B)						At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		Capacity		Reach
										m (ft)
3.0 m	kg	*390	*390					*410	*410	2.18
(9.8 ft)	lb	*860	*860					*900	*900	(7.2)
2.5 m	kg			*370	*370			*350	*350	2.74
(8.2 ft)	lb			*820	*820			*770	*770	(9.0)
2.0 m	kg	*380	*380	*380	*380	*390	310	*330	300	3.07
(6.6 ft)	lb	*840	*840	*840	*840	*860	680	*730	660	(10.1)
1.5 m	kg	*510	*510	*440	410	*400	310	*330	270	3.27
(4.9 ft)	lb	*1120	*1120	*970	900	*880	680	*730	600	(10.7)
1.0 m	kg	*690	550	*520	400	*440	300	*340	250	3.36
(3.3 ft)	lb	*1520	1210	*1150	880	*970	660	*750	550	(11.0)
0.5 m	kg	*830	530	*590	380	*470	300	*370	250	3.36
(1.6 ft)	lb	*1830	1170	*1300	840	*1040	660	*820	550	(11.0)
Ground Line	kg	*880	520	*630	380	*490	290	*410	260	3.26
	lb	*1940	1150	*1390	840	*1080	640	*900	570	(10.7)
-0.5 m	kg	*850	510	*620	370	*460	290	*440	280	3.05
(-1.6 ft)	lb	*1870	1120	*1370	820	*1010	640	*970	620	(10.0)
-1.0 m	kg	*740	520	*530	380			*450	340	2.70
(-3.3 ft)	lb	*1630	1150	*1170	840			*990	750	(8.9)
-1.5 m	kg	*480	*480					*430	*430	2.11
(-4.9 ft)	lb	*1060	*1060					*950	*950	(6.9)

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).

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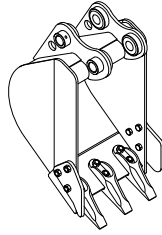
The difference between the weight of a work tool attachment must be subtracted.

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.

6. BUCKET SELECTION GUIDE



0.040 m³
SAE heaped bucket

Capacity		Width		Weight	Tooth (EA)	Recommendation	
						1750 m (5' 9") boom	
SAE heaped	CECE heaped	Without side cutter	With side cutter			1.03 m (3' 5") arm	1.23 m (4' 0") arm
0.040 m ³ (0.052 yd ³)	0.035 m ³ (0.046 yd ³)	382 mm (15.0")	422 mm (16.6")	41 kg (90 lb)	3	●	●

● Applicable for materials with density of 2100 kg/m³ (3500 lb/yd³) or less

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

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

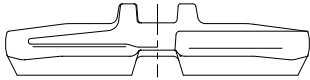
Consult with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom-arm-bucket combination.

7. UNDERCARRIAGE

1) TRACKS

X-leg type center frame is integrally welded with reinforced box-section track frames. The design includes dry tracks, lubricated rollers, idlers, sprockets, hydraulic track adjusters with shock absorbing springs and assembled track-type tractor shoes with double grousers.

2) TYPES OF SHOES

Model	Shapes		Rubber track
			
HX17A Z	Shoe width	mm (in)	230 (10")
	Operating weight	kg (lb)	1850 (4080)
	Ground pressure	kgf/cm ² (psi)	0.31 (4.38)
	Overall width	mm (ft-in)	994~1290 (3' 3"~4' 3")

3) 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
HX17A Z	T/chain-rubber for rail interlocking (230 mm)	Standard	A

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 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	Kubota D902-E4B
Type	Vertical, water cooled 4-cycle, IDI diesel engine
Cooling method	Water cooling
Number of cylinders and arrangement	3 cylinders, in-line
Firing order	1-2-3
Combustion chamber type	Spherical type
Cylinder bore × stroke	72 × 73.6mm (2.83" × 2.90)
Piston displacement	898 cc (54.8 cu in)
Compression ratio	24:1 : 1
Rated gross horse power	16.2 hp (12.1 kW) at 2400 rpm
Rated net horse power	16.0 hp (11.9 kW) at 2400 rpm
Max. power	16.2 hp (12.1 kW) at 2400 rpm
Maximum torque at 1900 rpm	5.57 kgf · m (40.3 lbf · ft)
Engine oil quantity	3.7 ℓ (1.0 U.S. gal)
Dry weight	75 kg (165 lb)
Starting motor	12V-1.2 kW
Alternator	12V-40 A

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 7.5 cc/rev
Maximum pressure	210 kgf/cm ² (2990 psi)
Rated oil flow	2 × 17.3 ℓ /min (2 × 4.6 U.S. gpm / 2 × 3.8 U.K. gpm)
Rated speed	2300 rpm

3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	4.5/2.7 cc/rev
Maximum pressure	190/35 kgf/cm ² (2702/498 psi)
Rated oil flow	10.4/6.2 ℓ /min (2.7/1.6 U.S. gpm / 2.3/1.4 U.K. gpm)

4) MAIN CONTROL VALVE

Item	Specification
Type	Sectional, 9 spools
Operating method	Hydraulic pilot system
Main relief valve pressure	210 kgf/cm ² (2990 psi)
Overload relief valve pressure	230 kgf/cm ² (3272 psi)
2-way (breaker piping) flow rate	27.7 ℓ /min (7.3 U.S. gpm / 6.1 U.K. gpm)

5) SWING MOTOR

Item	Specification
Type	Fixed displacement axial piston motor
Capacity	18.1 cc/rev
Relief pressure	165 kgf/cm ² (2350 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	69.7 kgf · m (504 lbf · ft)
Brake release pressure	20~50 kgf/cm ² (284~711 psi)
Reduction gear type	2 - stage planetary

6) TRAVEL MOTOR

Item	Specification
Type	Two fixed displacement axial piston motor
Capacity	12.4/6.2 cc/rev
Relief pressure	210 kgf/cm ² (2990 psi)
Reduction gear type	2-stage planetary

7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	Ø60 × Ø40 × 476 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	Ø60 × Ø40 × 393 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	Ø55 × Ø35 × 345 mm
	Cushion	-
Boom swing cylinder	Bore dia × Rod dia × Stroke	Ø55 × Ø30 × 355 mm
	Cushion	-
Dozer cylinder	Bore dia × Rod dia × Stroke	Ø65 × Ø30 × 93 mm
	Cushion	-
Dozer cylinder (DPC)	Bore dia × Rod dia × Stroke	Ø65 × Ø30 × 93 mm
	Cushion	-
Extension cylinder	Bore dia × Rod dia × Stroke	Ø50 × Ø25 × 300 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	3.7 (1.0)	★0W-40							
			SAE 5W-30							
			SAE 10W							
			SAE 15W-40							
Final drive	Gear oil	0.3×2 (0.1×2)	★SAE 75W-90							
			SAE 80W-90							
Hydraulic tank	Hydraulic oil	Tank: 12.1 (3.2)	★ISO VG 15							
			ISO VG 32							
			ISO VG 46, HBHO VG 46 ★3							
			ISO VG 68							
Fuel tank	Diesel fuel★1	19.5 (5.2)	★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★2	5.4 (1.4)	Ethylene glycol base permanent type (50 : 50)							
			★Ethylene glycol base permanent type (60 : 40)							

※ 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.

※ 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.

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