



HX260L T3

CRAWLER EXCAVATOR



HX260L

SERVICE MANUAL

FOREWORD	4
1. Structure	4
2. How To Read The Service Manual	5
3. Conversion Table	6
SECTION 1 GENERAL	12
Group 1 Safety	13
Group 2 Specifications	22
SECTION 2 STRUCTURE AND FUNCTION	45
Group 1 Pump Device	46
Group 2 Main Control Valve	68
3. Function	77
Group 3 Swing Device	104
Group 4 Travel Device (std)	115
Travel Device (high Walker)	129
Group 5 Rcv Lever	143
Group 6 Rcv Pedal	150
SECTION 3 HYDRAULIC SYSTEM	156
Group 1 Hydraulic Circuit	157
Group 2 Main Circuit	159
Group 3 Pilot Circuit	162
Group 4 Single Operation	170
Group 5 Combined Operation	180
SECTION 4 ELECTRICAL SYSTEM	190
Group 1 Component Location	191
Memorandum	195
Group 3 Electrical Component Specification	212
Group 4 Connectors	220
SECTION 5 MECHATRONICS SYSTEM	244
Group 1 Outline	245
Group 2 Mode Selection System	247
Group 3 Automatic Deceleration System	250
Group 4 Power Boost System	251
Group 5 Travel Speed Control System	252
Group 6 Automatic Warming Up System	253
Group 7 Engine Overheat Prevention System	254
Group 8 Variable Power Control System	255
Group 9 Attachment Flow Control System	256

Group 10 Intelligent Power Control System	257
Group 11 Anti-restart System	259
Group 12 Self-diagnostic System	260
Group 13 Engine Control System	293
Group 14 Eppr Valve.	294
Group 15 Monitoring System.	299
Menu	317
Group 16 Fuel Warmer System	333
SECTION 6 TROUBLESHOOTING	334
Group 1 Before Troubleshooting.	335
Group 2 Hydraulic And Mechanical System	338
Group 3 Electrical System	359
Group 4 Mechatronics Systegroup System	377
Group 5 Air Conditioner & Heater System	405
SECTION 7 MAINTENANCE STANDARD	408
Group 1 Operational Performance Test	409
Group 2 Major Component.	429
Group 3 Track And Work Equipment.	438
SECTION 8 DISASSEMBLY AND ASSEMBLY	444
Group 1 Precautions	445
Group 2 Tightening Torque.	448
Group 3 Pump Device	451
Group 4 Main Control Valve	479
Group 5 Swing Device	494
Group 6 Travel Device (std)	524
Travel Device (high Walker)	556
Group 7 Rcv Lever	590
Group 8 Turning Joint	604
Group 9 Boom, Arm And Bucket Cylinder	609
Group 10 Undercarriage	632
Group 11 Work Equipment.	644

FOREWORD

1. STRUCTURE

This service manual has been prepared as an aid to improve the quality of repairs by giving the serviceman an accurate understanding of the product and by showing him the correct way to perform repairs and make judgements. Make sure you understand the contents of this manual and use it to full effect at every opportunity.

This service manual mainly contains the necessary technical information for operations performed in a service workshop.

For ease of understanding, the manual is divided into the following sections.

SECTION 1 GENERAL

This section explains the safety hints and gives the specification of the machine and major components.

SECTION 2 STRUCTURE AND FUNCTION

This section explains the structure and function of each component. It serves not only to give an understanding of the structure, but also serves as reference material for troubleshooting.

SECTION 3 HYDRAULIC SYSTEM

This section explains the hydraulic circuit, single and combined operation.

SECTION 4 ELECTRICAL SYSTEM

This section explains the electrical circuit, monitoring system and each component. It serves not only to give an understanding electrical system, but also serves as reference material for trouble shooting.

SECTION 5 MECHATRONICS SYSTEM

This section explains the computer aided power optimization system and each component.

SECTION 6 TROUBLESHOOTING

This section explains the troubleshooting charts correlating **problems** to **causes**.

SECTION 7 MAINTENANCE STANDARD

This section gives the judgement standards when inspecting disassembled parts.

SECTION 8 DISASSEMBLY AND ASSEMBLY

This section explains the order to be followed when removing, installing, disassembling or assembling each component, as well as precautions to be taken for these operations.

The specifications contained in this shop manual are subject to change at any time and without any advance notice. Contact your HYUNDAI distributor for the latest information.

2. HOW TO READ THE SERVICE MANUAL

Distribution and updating

Any additions, amendments or other changes will be sent to HYUNDAI distributors.

Get the most up-to-date information before you start any work.

Filing method

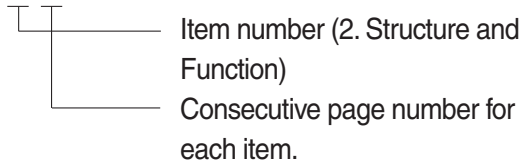
1. See the page number on the bottom of the page.

File the pages in correct order.

2. Following examples shows how to read the page number.

Example 1

2 - 3



3. Additional pages : Additional pages are indicated by a hyphen (-) and number after the page number. File as in the example.

7 - 4

7 - 4 - 1

7 - 4 - 2

7 - 5

Added pages

Revised edition mark (①②③···)

When a manual is revised, an edition mark is recorded on the bottom outside corner of the pages.

Revisions

Revised pages are shown at the list of revised pages on the between the contents page and section 1 page.

Symbols

So that the shop manual can be of ample practical use, important places for safety and quality are marked with the following symbols.

Symbol	Item	Remarks
	Safety	Special safety precautions are necessary when performing the work.
		Extra special safety precautions are necessary when performing the work because it is under internal pressure.
	Caution	Special technical precautions or other precautions for preserving standards are necessary when performing the work.

3. CONVERSION TABLE

Method of using the Conversion Table

The Conversion Table in this section is provided to enable simple conversion of figures. For details of the method of using the Conversion Table, see the example given below.

Example

1. Method of using the Conversion Table to convert from millimeters to inches

Convert 55mm into inches.

- (1) Locate the number 50 in the vertical column at the left side, take this as (a), then draw a horizontal line from (a).
- (2) Locate the number 5 in the row across the top, take this as (b), then draw a perpendicular line down from (b).
- (3) Take the point where the two lines cross as (c). This point (c) gives the value when converting from millimeters to inches. Therefore, 55 mm = 2.165 inches.

2. Convert 550 mm into inches.

- (1) The number 550 does not appear in the table, so divide by 10 (Move the decimal point one place to the left) to convert it to 55 mm.
- (2) Carry out the same procedure as above to convert 55 mm to 2.165 inches.
- (3) The original value (550 mm) was divided by 10, so multiply 2.165 inches by 10 (Move the decimal point one place to the right) to return to the original value.
This gives 550 mm = 21.65 inches.

Millimeters to inches

(b)

1 mm = 0.03937 in

	0	1	2	3	4	5	6	7	8	9
0		0.039	0.079	0.118	0.157	0.197	0.236	0.276	0.315	0.354
10	0.394	0.433	0.472	0.512	0.551	0.591	0.630	0.669	0.709	0.748
20	0.787	0.827	0.866	0.906	0.945	0.984	1.024	1.063	1.102	1.142
30	1.181	1.220	1.260	1.299	1.339	1.378	1.417	1.457	1.496	1.536
40	1.575	1.614	1.654	1.693	1.732	1.772	1.811	1.850	1.890	1.929
(a) 50	1.969	2.008	2.047	2.087	2.126	(c) 2.165	2.205	2.244	2.283	2.323
60	2.362	2.402	2.441	2.480	2.520	2.559	2.598	2.638	2.677	2.717
70	2.756	2.795	2.835	2.874	2.913	2.953	2.992	3.032	3.071	3.110
80	3.150	3.189	3.228	3.268	3.307	3.346	3.386	3.425	3.465	3.504
90	3.543	3.583	3.622	3.661	3.701	3.740	3.780	3.819	3.858	3.898

Millimeters to inches

1mm = 0.03937in

	0	1	2	3	4	5	6	7	8	9
0		0.039	0.079	0.118	0.157	0.197	0.236	0.276	0.315	0.354
10	0.394	0.433	0.472	0.512	0.551	0.591	0.630	0.669	0.709	0.748
20	0.787	0.827	0.866	0.906	0.945	0.984	1.024	1.063	1.102	1.142
30	1.181	1.220	1.260	1.299	1.339	1.378	1.417	1.457	1.496	1.536
40	1.575	1.614	1.654	1.693	1.732	1.772	1.811	1.850	1.890	1.929
50	1.969	2.008	2.047	2.087	2.126	2.165	2.205	2.244	2.283	2.323
60	2.362	2.402	2.441	2.480	2.520	2.559	2.598	2.638	2.677	2.717
70	2.756	2.795	2.835	2.874	2.913	2.953	2.992	3.032	3.071	3.110
80	3.150	3.189	3.228	3.268	3.307	3.346	3.386	3.425	3.465	3.504
90	3.543	3.583	3.622	3.661	3.701	3.740	3.780	3.819	3.858	3.898

Kilogram to Pound

1kg = 2.2046lb

	0	1	2	3	4	5	6	7	8	9
0		2.20	4.41	6.61	8.82	11.02	13.23	15.43	17.64	19.84
10	22.05	24.25	26.46	28.66	30.86	33.07	35.27	37.48	39.68	41.89
20	44.09	46.30	48.50	50.71	51.91	55.12	57.32	59.5	61.73	63.93
30	66.14	68.34	70.55	72.75	74.96	77.16	79.37	81.57	83.78	85.98
40	88.18	90.39	92.59	94.80	97.00	99.21	101.41	103.62	105.82	108.03
50	110.23	112.44	114.64	116.85	119.05	121.25	123.46	125.66	127.87	130.07
60	132.28	134.48	136.69	138.89	141.10	143.30	145.51	147.71	149.91	152.12
70	154.32	156.53	158.73	160.94	163.14	165.35	167.55	169.76	171.96	174.17
80	176.37	178.57	180.78	182.98	185.19	187.39	189.60	191.80	194.01	196.21
90	198.42	200.62	202.83	205.03	207.24	209.44	211.64	213.85	216.05	218.26

Liter to U.S. Gallon

1 ℓ = 0.2642 U.S.Gal

	0	1	2	3	4	5	6	7	8	9
0		0.264	0.528	0.793	1.057	1.321	1.585	1.849	2.113	2.378
10	2.642	2.906	3.170	3.434	3.698	3.963	4.227	4.491	4.755	5.019
20	5.283	5.548	5.812	6.076	6.340	6.604	6.869	7.133	7.397	7.661
30	7.925	8.189	8.454	8.718	8.982	9.246	9.510	9.774	10.039	10.303
40	10.567	10.831	11.095	11.359	11.624	11.888	12.152	12.416	12.680	12.944
50	13.209	13.473	13.737	14.001	14.265	14.529	14.795	15.058	15.322	15.586
60	15.850	16.115	16.379	16.643	16.907	17.171	17.435	17.700	17.964	18.228
70	18.492	18.756	19.020	19.285	19.549	19.813	20.077	20.341	20.605	20.870
80	21.134	21.398	21.662	21.926	22.190	22.455	22.719	22.983	23.247	23.511
90	23.775	24.040	24.304	24.568	24.832	25.096	25.631	25.625	25.889	26.153

Liter to U.K. Gallon

1 ℓ = 0.21997 U.K.Gal

	0	1	2	3	4	5	6	7	8	9
0		0.220	0.440	0.660	0.880	1.100	1.320	1.540	1.760	1.980
10	2.200	2.420	2.640	2.860	3.080	3.300	3.520	3.740	3.950	4.179
20	4.399	4.619	4.839	5.059	5.279	5.499	5.719	5.939	6.159	6.379
30	6.599	6.819	7.039	7.259	7.479	7.699	7.919	8.139	8.359	8.579
40	8.799	9.019	9.239	9.459	9.679	9.899	10.119	10.339	10.559	10.778
50	10.998	11.281	11.438	11.658	11.878	12.098	12.318	12.528	12.758	12.978
60	13.198	13.418	13.638	13.858	14.078	14.298	14.518	14.738	14.958	15.178
70	15.398	15.618	15.838	16.058	16.278	16.498	16.718	16.938	17.158	17.378
80	17.598	17.818	18.037	18.257	18.477	18.697	18.917	19.137	19.357	19.577
90	19.797	20.017	20.237	20.457	20.677	20.897	21.117	21.337	21.557	21.777

kgf · m to lbf · ft

1 kgf · m = 7.233 lbf · ft

	0	1	2	3	4	5	6	7	8	9
		7.2	14.5	21.7	28.9	36.2	43.4	50.6	57.9	65.1
10	72.3	79.6	86.8	94.0	101.3	108.5	115.7	123.0	130.2	137.4
20	144.7	151.9	159.1	166.4	173.6	180.8	188.1	195.3	202.5	209.8
30	217.0	224.2	231.5	238.7	245.9	253.2	260.4	267.6	274.9	282.1
40	289.3	296.6	303.8	311.0	318.3	325.5	332.7	340.0	347.2	354.4
50	361.7	368.9	376.1	383.4	390.6	397.8	405.1	412.3	419.5	426.8
60	434.0	441.2	448.5	455.7	462.9	470.2	477.4	484.6	491.8	499.1
70	506.3	513.5	520.8	528.0	535.2	542.5	549.7	556.9	564.2	571.4
80	578.6	585.9	593.1	600.3	607.6	614.8	622.0	629.3	636.5	643.7
90	651.0	658.2	665.4	672.7	679.9	687.1	694.4	701.6	708.8	716.1
100	723.3	730.5	737.8	745.0	752.2	759.5	766.7	773.9	781.2	788.4
110	795.6	802.9	810.1	817.3	824.6	831.8	839.0	846.3	853.5	860.7
120	868.0	875.2	882.4	889.7	896.9	904.1	911.4	918.6	925.8	933.1
130	940.3	947.5	954.8	962.0	969.2	976.5	983.7	990.9	998.2	10005.4
140	1012.6	1019.9	1027.1	1034.3	1041.5	1048.8	1056.0	1063.2	1070.5	1077.7
150	1084.9	1092.2	1099.4	1106.6	1113.9	1121.1	1128.3	1135.6	1142.8	1150.0
160	1157.3	1164.5	1171.7	1179.0	1186.2	1193.4	1200.7	1207.9	1215.1	1222.4
170	1129.6	1236.8	1244.1	1251.3	1258.5	1265.8	1273.0	1280.1	1287.5	1294.7
180	1301.9	1309.2	1316.4	1323.6	1330.9	1338.1	1345.3	1352.6	1359.8	1367.0
190	1374.3	1381.5	1388.7	1396.0	1403.2	1410.4	1417.7	1424.9	1432.1	1439.4

kgf/cm² to lbf/in²

1 kgf / cm² = 14.2233 lbf / in²

	0	1	2	3	4	5	6	7	8	9
		14.2	28.4	42.7	56.9	71.1	85.3	99.6	113.8	128.0
10	142.2	156.5	170.7	184.9	199.1	213.4	227.6	241.8	256.0	270.2
20	284.5	298.7	312.9	327.1	341.4	355.6	369.8	384.0	398.3	412.5
30	426.7	440.9	455.1	469.4	483.6	497.8	512.0	526.3	540.5	554.7
40	568.9	583.2	597.4	611.6	625.8	640.1	654.3	668.5	682.7	696.9
50	711.2	725.4	739.6	753.8	768.1	782.3	796.5	810.7	825.0	839.2
60	853.4	867.6	881.8	896.1	910.3	924.5	938.7	953.0	967.2	981.4
70	995.6	1010	1024	1038	1053	1067	1081	1095	1109	1124
80	1138	1152	1166	1181	1195	1209	1223	1237	1252	1266
90	1280	1294	1309	1323	1337	1351	1365	1380	1394	1408
100	1422	1437	1451	1465	1479	1493	1508	1522	1536	1550
110	1565	1579	1593	1607	1621	1636	1650	1664	1678	1693
120	1707	1721	1735	1749	1764	1778	1792	1806	1821	1835
130	1849	2863	1877	1892	1906	1920	1934	1949	1963	1977
140	1991	2005	2020	2034	2048	2062	2077	2091	2105	2119
150	2134	2148	2162	2176	2190	2205	2219	2233	2247	2262
160	2276	2290	2304	2318	2333	2347	2361	2375	2389	2404
170	2418	2432	2446	2460	2475	2489	2503	2518	2532	2546
180	2560	2574	2589	5603	2617	2631	2646	2660	2674	2688
200	2845	2859	2873	2887	2901	2916	2930	2944	2958	2973
210	2987	3001	3015	3030	3044	3058	3072	3086	3101	3115
220	3129	3143	3158	3172	3186	3200	3214	3229	3243	3257
230	3271	3286	3300	3314	3328	3343	3357	3371	3385	3399
240	3414	3428	3442	3456	3470	3485	3499	3513	3527	3542

TEMPERATURE

Fahrenheit-Centigrade Conversion.

A simple way to convert a fahrenheit temperature reading into a centigrade temperature reading or vice verse is to enter the accompanying table in the center or boldface column of figures.

These figures refer to the temperature in either Fahrenheit or Centigrade degrees.

If it is desired to convert from Fahrenheit to Centigrade degrees, consider the center column as a table of Fahrenheit temperatures and read the corresponding Centigrade temperature in the column at the left.

If it is desired to convert from Centigrade to Fahrenheit degrees, consider the center column as a table of Centigrade values, and read the corresponding Fahrenheit temperature on the right.

°C		°F	°C		°F	°C		°F	°C		°F
-40.4	-40	-40.0	-11.7	11	51.8	7.8	46	114.8	27.2	81	117.8
-37.2	-35	-31.0	-11.1	12	53.6	8.3	47	116.6	27.8	82	179.6
-34.4	-30	-22.0	-10.6	13	55.4	8.9	48	118.4	28.3	83	181.4
-31.7	-25	-13.0	-10.0	14	57.2	9.4	49	120.2	28.9	84	183.2
-28.9	-20	-4.0	-9.4	15	59.0	10.0	50	122.0	29.4	85	185.0
-28.3	-19	-2.2	-8.9	16	60.8	10.6	51	123.8	30.0	86	186.8
-27.8	-18	-0.4	-8.3	17	62.6	11.1	52	125.6	30.6	87	188.6
-27.2	-17	1.4	-7.8	18	64.4	11.7	53	127.4	31.1	88	190.4
-26.7	-16	3.2	-6.7	20	68.0	12.8	55	131.0	32.2	90	194.0
-26.1	-15	5.0	-6.7	20	68.0	12.8	55	131.0	32.2	90	194.0
-25.6	-14	6.8	-6.1	21	69.8	13.3	56	132.8	32.8	91	195.8
-25.0	-13	8.6	-5.6	22	71.6	13.9	57	134.6	33.3	92	197.6
-24.4	-12	10.4	-5.0	23	73.4	14.4	58	136.4	33.9	93	199.4
-23.9	-11	12.2	-4.4	24	75.2	15.0	59	138.2	34.4	94	201.2
-23.3	-10	14.0	-3.9	25	77.0	15.6	60	140.0	35.0	95	203.0
-22.8	-9	15.8	-3.3	26	78.8	16.1	61	141.8	35.6	96	204.8
-22.2	-8	17.6	-2.8	27	80.6	16.7	62	143.6	36.1	97	206.6
-21.7	-7	19.4	-2.2	28	82.4	17.2	63	145.4	36.7	98	208.4
-21.1	-6	21.2	-1.7	29	84.2	17.8	64	147.2	37.2	99	210.2
-20.6	-5	23.0	-1.1	35	95.0	21.1	70	158.0	51.7	125	257.0
-20.0	-4	24.8	-0.6	31	87.8	18.9	66	150.8	40.6	105	221.0
-19.4	-3	26.6	0	32	89.6	19.4	67	152.6	43.3	110	230.0
-18.9	-2	28.4	0.6	33	91.4	20.0	68	154.4	46.1	115	239.0
-18.3	-1	30.2	1.1	34	93.2	20.6	69	156.2	48.9	120	248.0
-17.8	0	32.0	1.7	35	95.0	21.1	70	158.0	51.7	125	257.0
-17.2	1	33.8	2.2	36	96.8	21.7	71	159.8	54.4	130	266.0
-16.7	2	35.6	2.8	37	98.6	22.2	72	161.6	57.2	135	275.0
-16.1	3	37.4	3.3	38	100.4	22.8	73	163.4	60.0	140	284.0
-15.6	4	39.2	3.9	39	102.2	23.3	74	165.2	62.7	145	293.0
-15.0	5	41.0	4.4	40	104.0	23.9	75	167.0	65.6	150	302.0
-14.4	6	42.8	5.0	41	105.8	24.4	76	168.8	68.3	155	311.0
-13.9	7	44.6	5.6	42	107.6	25.0	77	170.6	71.1	160	320.0
-13.3	8	46.4	6.1	43	109.4	25.6	78	172.4	73.9	165	329.0
-12.8	9	48.2	6.7	44	111.2	26.1	79	174.2	76.7	170	338.0
-12.2	10	50.0	7.2	45	113.0	26.7	80	176.0	79.4	172	347.0

SECTION 1 GENERAL

Group 1 Safety Hints	1-1
Group 2 Specifications	1-10

SECTION 1 GENERAL

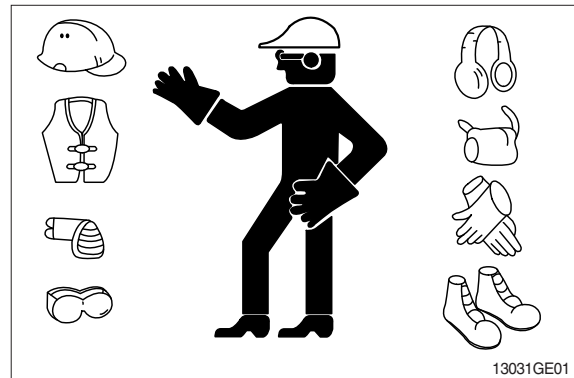
GROUP 1 SAFETY

FOLLOW SAFE PROCEDURE

Unsafe work practices are dangerous. Understand service procedure before doing work; Do not attempt shortcuts.

WEAR PROTECTIVE CLOTHING

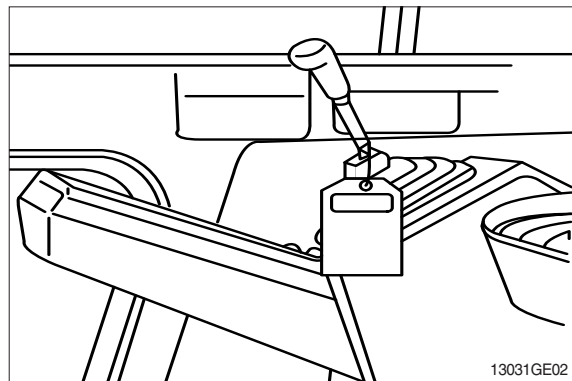
Wear close fitting clothing and safety equipment appropriate to the job.



WARN OTHERS OF SERVICE WORK

Unexpected machine movement can cause serious injury.

Before performing any work on the excavator, attach a 「Do Not Operate」 tag on the right side control lever.



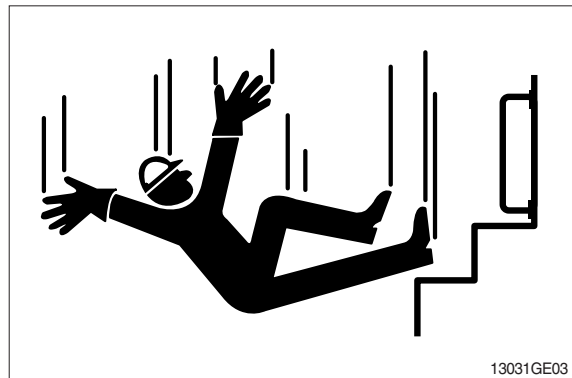
USE HANDHOLDS AND STEPS

Falling is one of the major causes of personal injury.

When you get on and off the machine, always maintain a three point contact with the steps and handrails and face the machine. Do not use any controls as handholds.

Never jump on or off the machine. Never mount or dismount a moving machine.

Be careful of slippery conditions on platforms, steps, and handrails when leaving the machine.

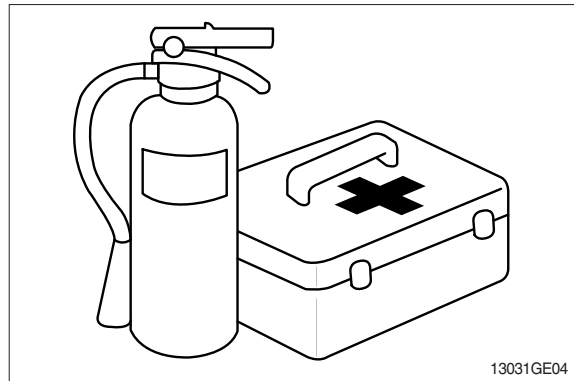


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

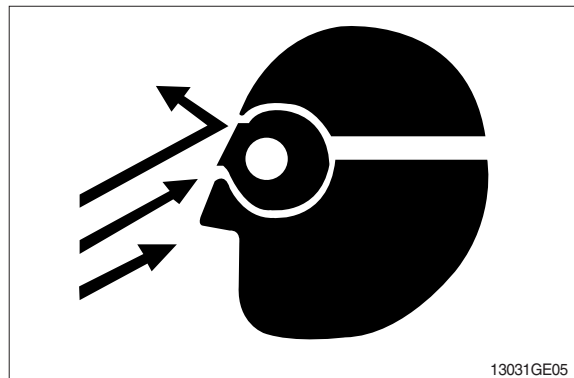
Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



PROTECT AGAINST FLYING DEBRIS

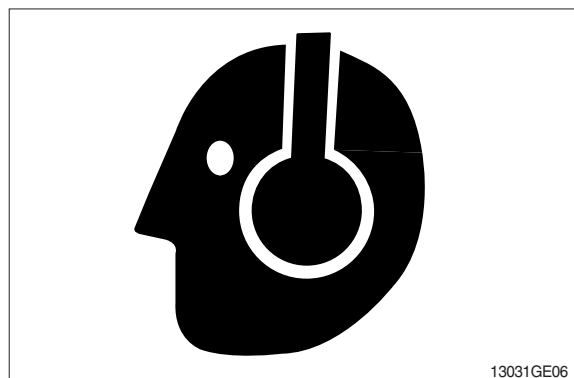
Guard against injury from flying pieces of metal or debris; Wear goggles or safety glasses.



PROTECT AGAINST NOISE

Prolonged exposure to loud noise can cause impairment or loss of hearing.

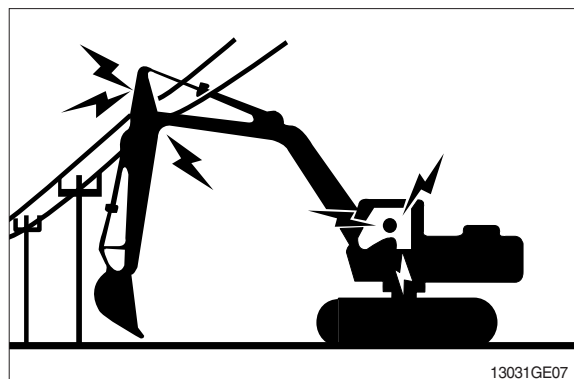
Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.



AVOID POWER LINES

Serious injury or death can result from contact with electric lines.

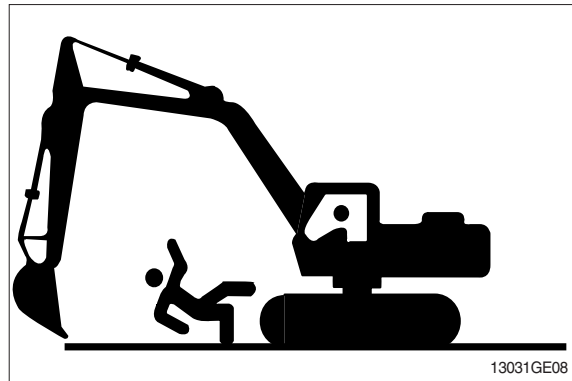
Never move any part of the machine or load closer to electric line than 3m(10ft) plus twice the line insulator length.



KEEP RIDERS OFF EXCAVATOR

Only allow the operator on the excavator. Keep riders off.

Riders on excavator are subject to injury such as being struck by foreign objects and being thrown off the excavator. Riders also obstruct the operator's view resulting in the excavator being operated in an unsafe manner.

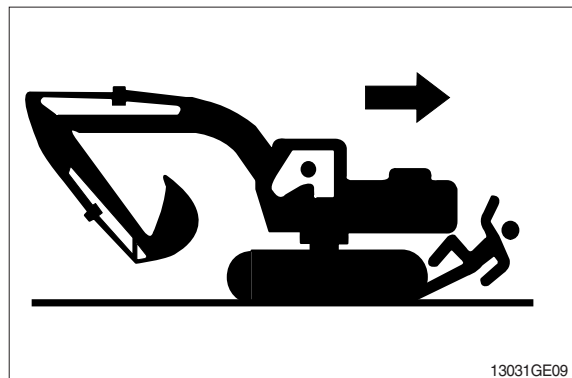


MOVE AND OPERATE MACHINE SAFELY

Bystanders can be run over. Know the location of bystanders before moving, swinging, or operating the machine.

Always keep the travel alarm in working condition. It warns people when the excavator starts to move.

Use a signal person when moving, swinging, or operating the machine in congested areas. Coordinate hand signals before starting the excavator.



OPERATE ONLY FROM OPERATOR'S SEAT

Avoid possible injury machine damage. Do not start engine by shorting across starter terminals.

NEVER start engine while standing on ground. Start engine only from operator's seat.



PARK MACHINE SAFELY

Before working on the machine:

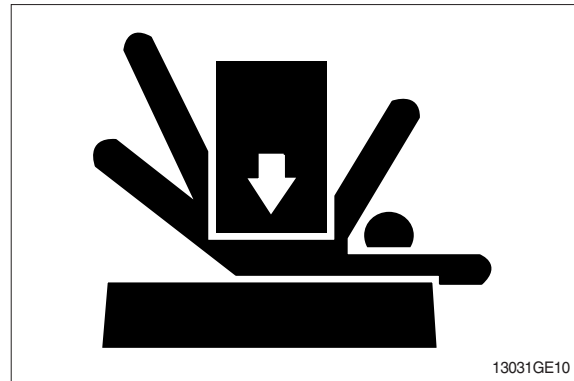
- Park machine on a level surface.
- Lower bucket to the ground.
- Turn auto idle switch off.
- Run engine at 1/2 speed without load for 2 minutes.
- Turn key switch to OFF to stop engine. Remove key from switch.
- Move pilot control shutoff lever to locked position.
- Allow engine to cool.

SUPPORT MACHINE PROPERLY

Always lower the attachment or implement to the ground before you work on the machine. If you must work on a lifted machine or attachment, securely support the machine or attachment.

Do not support the machine on cinder blocks, hollow tiles, or props that may crumble under continuous load.

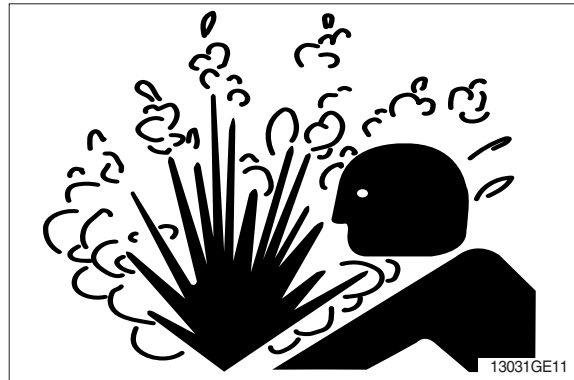
Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.



SERVICE COOLING SYSTEM SAFELY

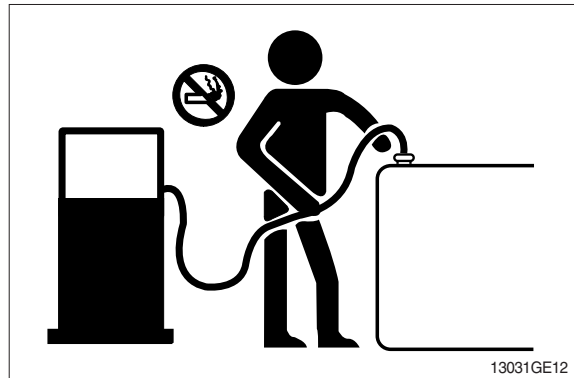
Explosive release of fluids from pressurized cooling system can cause serious burns.

Shut off engine. Only remove filler cap when cool enough to touch with bare hands.



HANDLE FLUIDS SAFELY-AVOID FIRES

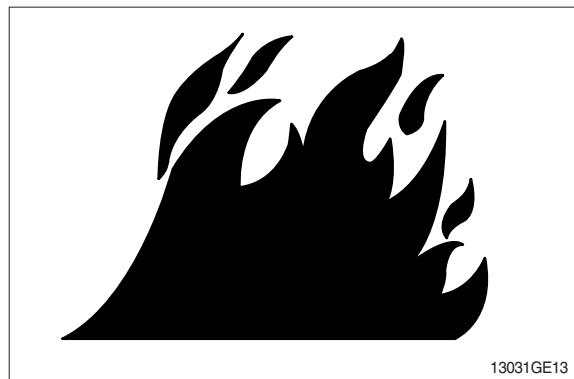
Handle fuel with care; It is highly flammable. Do not refuel the machine while smoking or when near open flame or sparks. Always stop engine before refueling machine. Fill fuel tank outdoors.



Store flammable fluids away from fire hazards. Do not incinerate or puncture pressurized containers.

Make sure machine is clean of trash, grease, and debris.

Do not store oily rags; They can ignite and burn spontaneously.



BEWARE OF EXHAUST FUMES

Prevent asphyxiation. Engine exhaust fumes can cause sickness or death.

If you must operate in a building, be positive there is adequate ventilation. Either use an exhaust pipe extension to remove the exhaust fumes or open doors and windows to bring enough outside air into the area.

REMOVE PAINT BEFORE WELDING OR HEATING

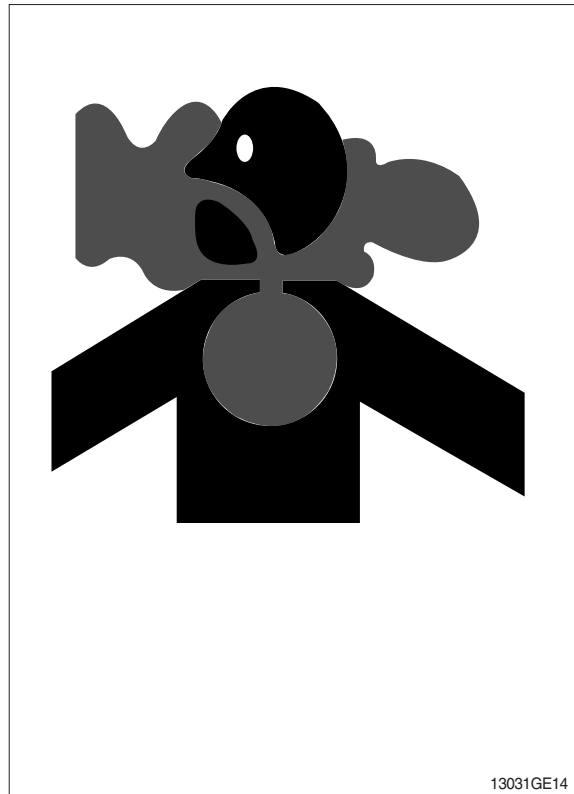
Avoid potentially toxic fumes and dust.

Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.

Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

Remove paint before welding or heating:

- If you sand or grind paint, avoid breathing the dust.
Wear an approved respirator.
- If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.



ILLUMINATE WORK AREA SAFELY

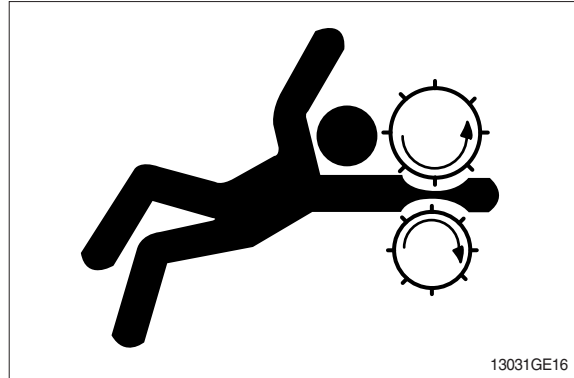
Illuminate your work area adequately but safely. Use a portable safety light for working inside or under the machine. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.



SERVICE MACHINE SAFELY

Tie long hair behind your head. Do not wear a necktie, scarf, loose clothing or necklace when you work near machine tools or moving parts. If these items were to get caught, severe injury could result.

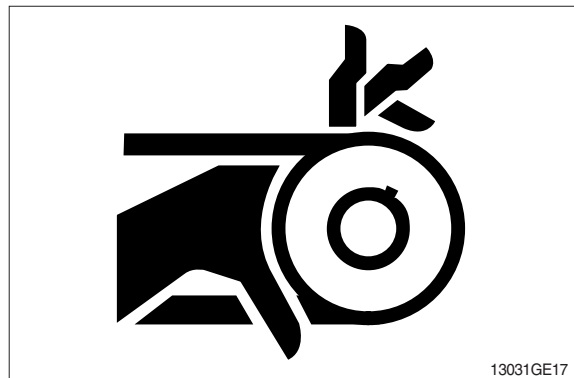
Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



STAY CLEAR OF MOVING PARTS

Entanglements in moving parts can cause serious injury.

To prevent accidents, use care when working around rotating parts.



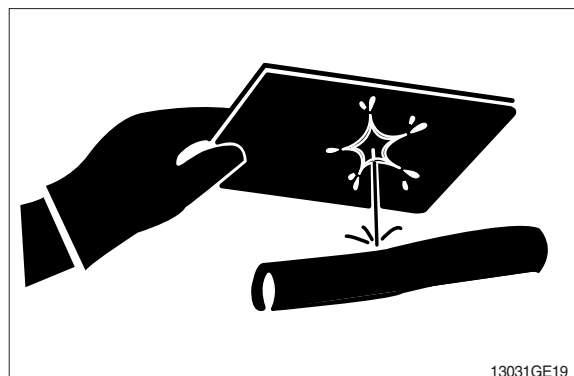
AVOID HIGH PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result.



AVOID HEATING NEAR PRESSURIZED FLUID LINES

Flammable spray can be generated by heating near pressurized fluid lines, resulting in severe burns to yourself and bystanders. Do not heat by welding, soldering, or using a torch near pressurized fluid lines or other flammable materials.

Pressurized lines can be accidentally cut when heat goes beyond the immediate flame area. Install fire resisting guards to protect hoses or other materials.



PREVENT BATTERY EXPLOSIONS

Keep sparks, lighted matches, and flame away from the top of battery. Battery gas can explode.

Never check battery charge by placing a metal object across the posts. Use a volt-meter or hydrometer.

Do not charge a frozen battery; It may explode. Warm battery to 16°C (60°F).



PREVENT ACID BURNS

Sulfuric acid in battery electrolyte is poisonous. It is strong enough to burn skin, eat holes in clothing, and cause blindness if splashed into eyes.

Avoid the hazard by:

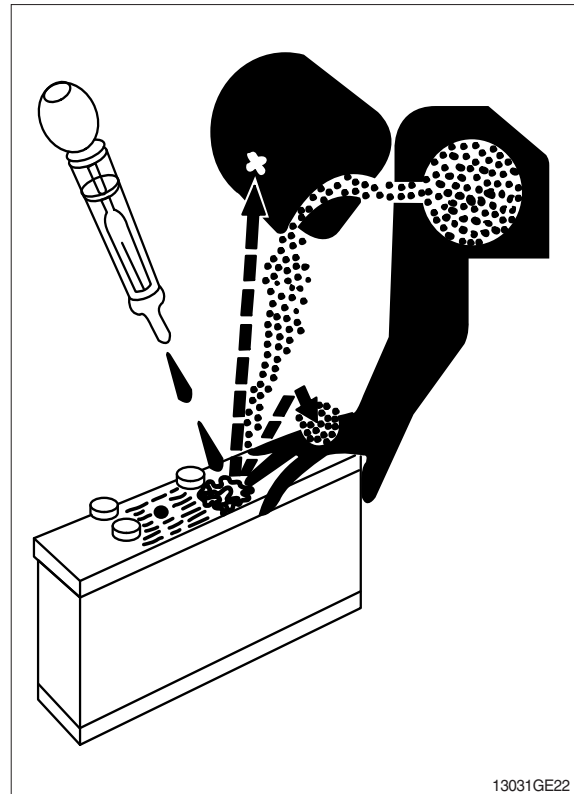
1. Filling batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Use proper jump start procedure.

If you spill acid on yourself:

1. Flush your skin with water.
2. Apply baking soda or lime to help neutralize the acid.
3. Flush your eyes with water for 10-15 minutes. Get medical attention immediately.

If acid is swallowed:

1. Drink large amounts of water or milk.
2. Then drink milk of magnesia, beaten eggs, or vegetable oil.
3. Get medical attention immediately.



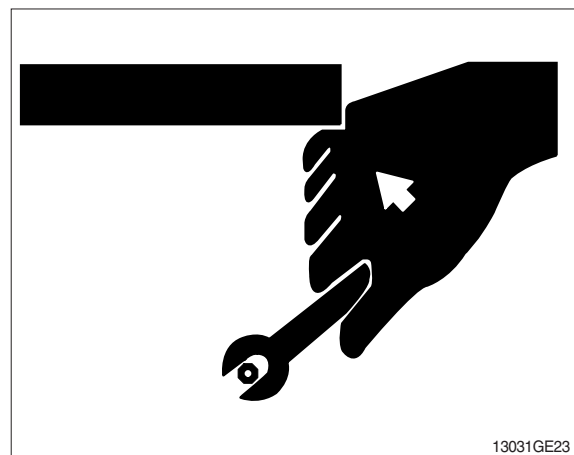
USE TOOLS PROPERLY

Use tools appropriate to the work. Makeshift tools, parts, and procedures can create safety hazards.

Use power tools only to loosen threaded tools and fasteners.

For loosening and tightening hardware, use the correct size tools. DO NOT use U.S. measurement tools on metric fasteners. Avoid bodily injury caused by slipping wrenches.

Use only recommended replacement parts. (See Parts catalogue.)

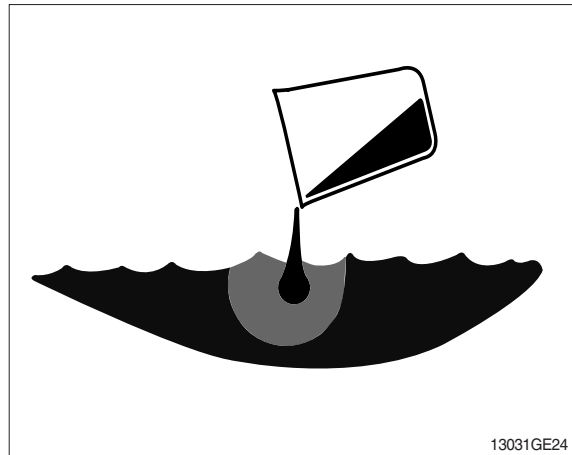


DISPOSE OF FLUIDS PROPERLY

Improperly disposing of fluids can harm the environment and ecology. Before draining any fluids, find out the proper way to dispose of waste from your local environmental agency.

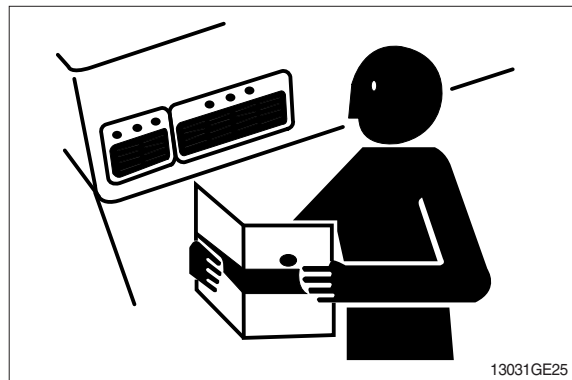
Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

DO NOT pour oil into the ground, down a drain, or into a stream, pond, or lake. Observe relevant environmental protection regulations when disposing of oil, fuel, coolant, brake fluid, filters, batteries, and other harmful waste.



REPLACE SAFETY SIGNS

Replace missing or damaged safety signs. See the machine operator's manual for correct safety sign placement.

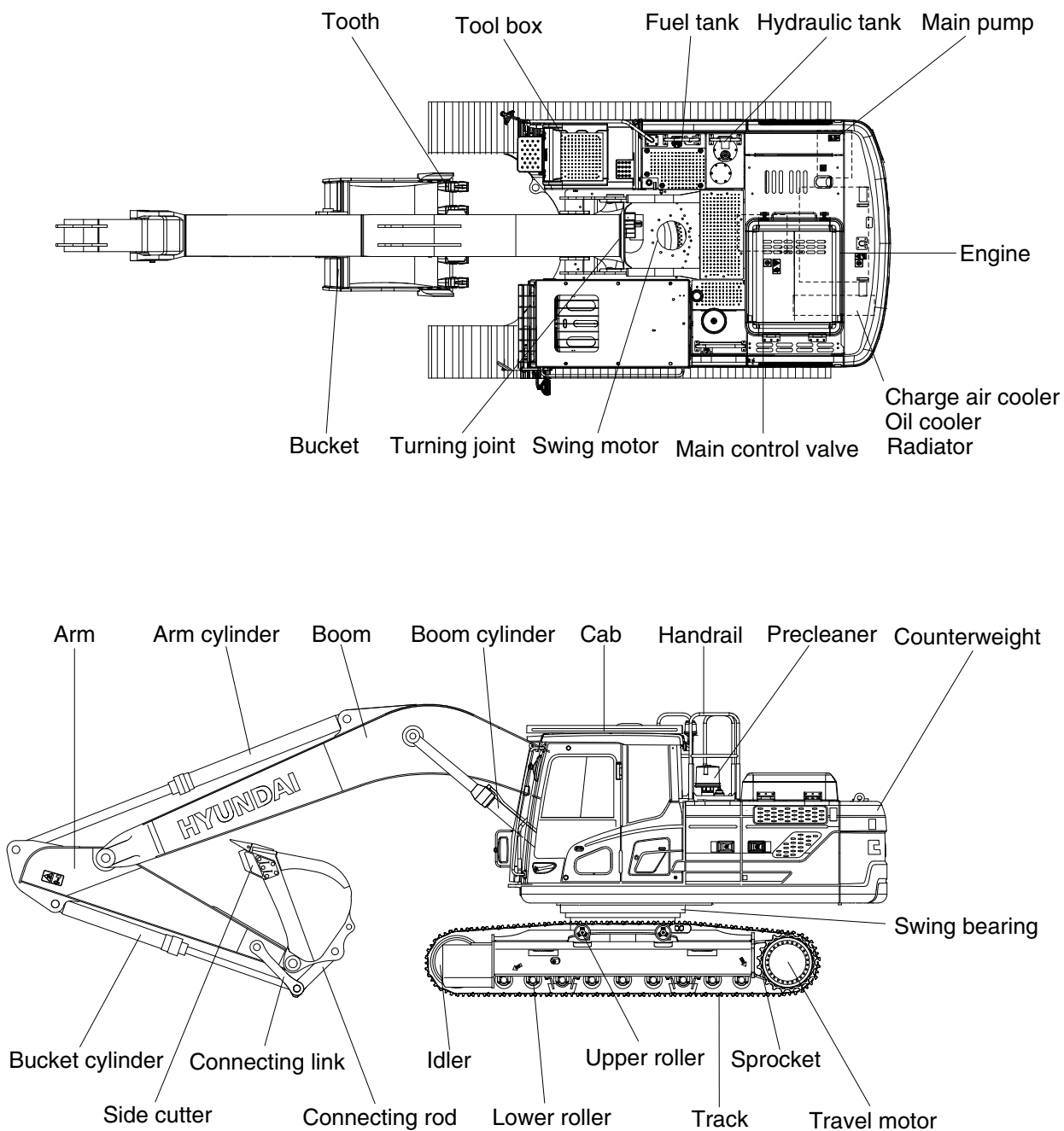


LIVE WITH SAFETY

Before returning machine to customer, make sure machine is functioning properly, especially the safety systems. Install all guards and shields.

GROUP 2 SPECIFICATIONS

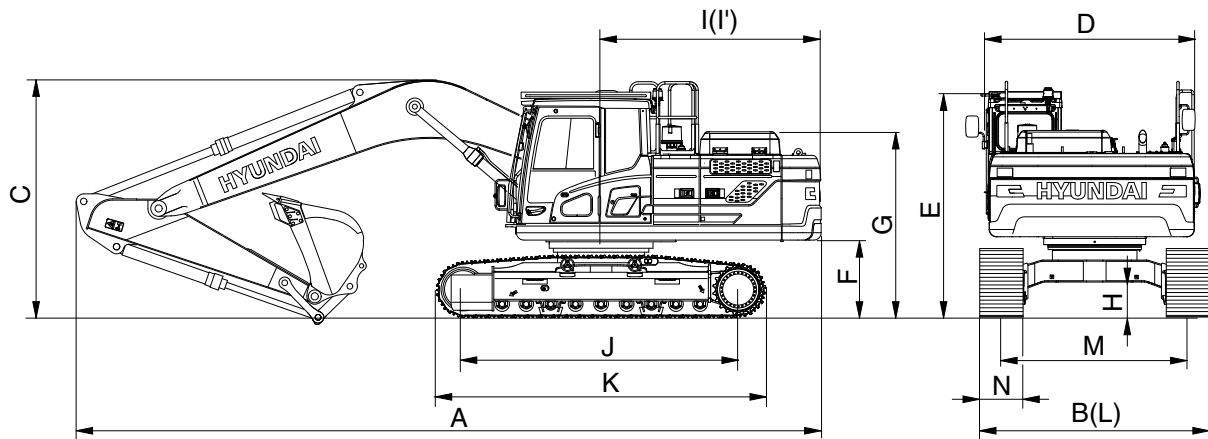
1. MAJOR COMPONENT



260SA2SP01

2. SPECIFICATIONS

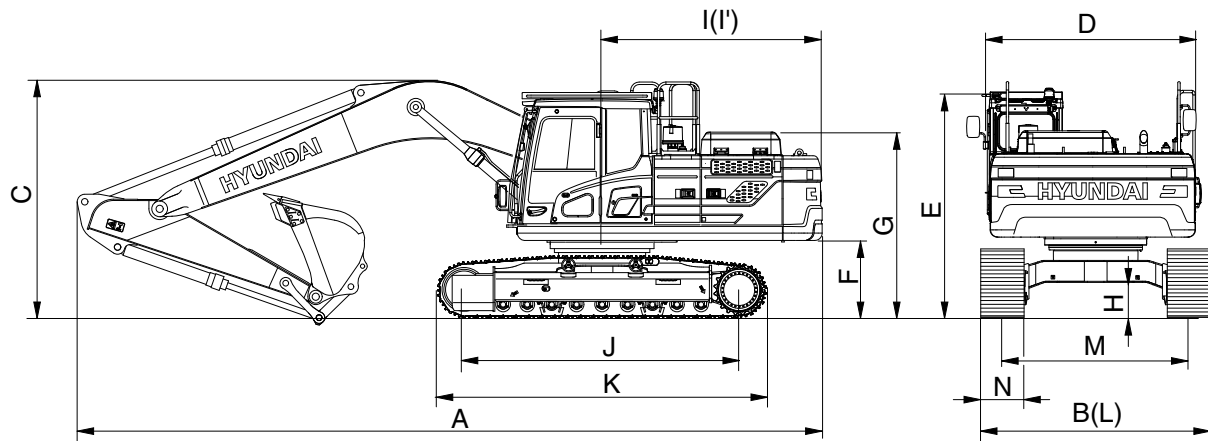
1) HX260LT3, MONO BOOM



260SA2SP02

Description	Unit		Specification			
	m (ft-in)	Boom	5.85 (19' 2")			
		Arm	3.05 (10' 0")	2.10 (6' 11")	2.50 (8' 2")	3.60 (11' 10")
	mm (in)	Shoe	600 (24)			
Operating weight	kg (lb)		26060 (57450)	25930 (57170)	25990 (57300)	26240 (57850)
Bucket capacity (SAE heaped) standard	m ³ (yd ³)		1.08 (1.41)	1.08 (1.41)	1.08 (1.41)	1.08 (1.41)
Overall length	A	mm (ft-in)	10010 (32' 10")	10170 (33' 4")	10070 (33' 0")	10040 (32' 11")
Overall width	B		3180 (10' 5")	3180 (10' 5")	3180 (10' 5")	3180 (10' 5")
Overall height of boom	C		3230 (10' 7")	3480 (11' 5")	3360 (11' 0")	3360 (11' 0")
Superstructure width	D		2840 (9' 4")	2840 (9' 4")	2840 (9' 4")	2840 (9' 4")
Overall height of cab	E		3050 (10' 0")	3050 (10' 0")	3050 (10' 0")	3050 (10' 0")
Ground clearance of counterweight	F		1110 (3' 8")	1110 (3' 8")	1110 (3' 8")	1110 (3' 8")
Overall height of engine hood	G		2580 (8' 6")	2580 (8' 6")	2580 (8' 6")	2580 (8' 6")
Overall height of handrail	G'		3260 (10' 8")	3260 (10' 8")	3260 (10' 8")	3260 (10' 8")
Minimum ground clearance	H		480 (1' 7")	480 (1' 7")	480 (1' 7")	480 (1' 7")
Rear-end distance	I		2990 (9' 10")	2990 (9' 10")	2990 (9' 10")	2990 (9' 10")
Rear-end swing radius	I'		3085 (10' 1")	3085 (10' 1")	3085 (10' 1")	3085 (10' 1")
Distance between tumblers	J		3830 (12' 7")	3830 (12' 7")	3830 (12' 7")	3830 (12' 7")
Undercarriage length	K		4640 (15' 3")	4640 (15' 3")	4640 (15' 3")	4640 (15' 3")
Undercarriage width	L		3180 (10' 5")	3180 (10' 5")	3180 (10' 5")	3180 (10' 5")
Track gauge	M		2580 (8' 6")	2580 (8' 6")	2580 (8' 6")	2580 (8' 6")
Track shoe width standard	N		600 (24")	600 (24")	600 (24")	600 (24")
Travel speed (low/high)	km/hr (mph)		3.2/5.6	3.2/5.6	3.2/5.6	3.2/5.6
Swing speed	rpm		10.9	10.9	10.9	10.9
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm ² (psi)		0.53 (7.54)	0.53 (7.50)	0.53 (7.52)	0.53 (7.59)
Max traction force	kg (lb)		22193 48927	22193 48927	22193 48927	22193 48927

2) HX260LT3, HW

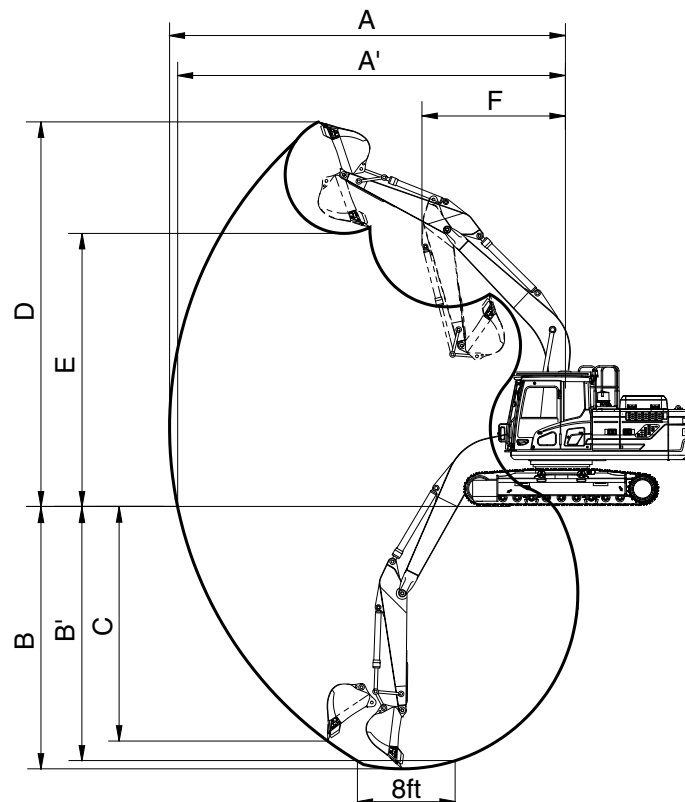


260SA2SP02

Description	Unit		Specification			
	m (ft-in)	Boom	5.85 (19' 2")			
		Arm	3.05 (10' 0")	2.10 (6' 11")	2.50 (8' 2")	3.60 (11' 10")
	mm (in)	Shoe	600 (24)			
Operating weight	kg (lb)		30710 (67700)	30580 (67420)	30640 (67550)	30890 (68100)
Bucket capacity (SAE heaped) standard	m³ (yd³)		1.08 (1.4)	1.08 (1.4)	1.08 (1.4)	1.08 (1.4)
Overall length	A	mm (ft-in)	9870 (32' 5")	10160 (33' 4")	10020 (32' 10")	10040 (32' 11")
Overall width	B		3390 (11' 1")	3390 (11' 1")	3390 (11' 1")	3390 (11' 1")
Overall height of boom	C		3220 (10' 7")	3630 (11' 11")	3460 (11' 4")	3610 (11' 10")
Superstructure width	D		2840 (9' 4")	2840 (9' 4")	2840 (9' 4")	2840 (9' 4")
Overall height of cab	E		3395 (11' 2")	3395 (11' 2")	3395 (11' 2")	3395 (11' 2")
Ground clearance of counterweight	F		1475 (4' 10")	1475 (4' 10")	1475 (4' 10")	1475 (4' 10")
Overall height of engine hood	G		2925 (9' 7")	2925 (9' 7")	2925 (9' 7")	2925 (9' 7")
Overall height of handrail	G'		3605 (11' 10")	3605 (11' 10")	3605 (11' 10")	3605 (11' 10")
Minimum ground clearance	H		765 (2' 6")	765 (2' 6")	765 (2' 6")	765 (2' 6")
Rear-end distance	I		2990 (9' 10")	2990 (9' 10")	2990 (9' 10")	2990 (9' 10")
Rear-end swing radius	I'		3085 (10' 1")	3085 (10' 1")	3085 (10' 1")	3085 (10' 1")
Distance between tumblers	J		4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")
Undercarriage length	K		4940 (16' 2")	4940 (16' 2")	4940 (16' 2")	4940 (16' 2")
Undercarriage width	L		3390 (11' 1")	3390 (11' 1")	3390 (11' 1")	3390 (11' 1")
Track gauge	M		2790 (9' 2")	2790 (9' 2")	2790 (9' 2")	2790 (9' 2")
Track shoe width standard	N		600 (24")	600 (24")	600 (24")	600 (24")
Travel speed (low/high)	km/hr (mph)		2.6/4.7 1.6/2.9	2.6/4.7 1.6/2.9	2.6/4.7 1.6/2.9	2.6/4.7 1.6/2.9
Swing speed	rpm		10.9	10.9	10.9	10.9
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm² (psi)		0.59 (8.41)	0.59 (8.37)	0.59 (8.39)	0.60 (8.46)
Max traction force	kg (lb)		27405 (60418)	27405 (60418)	27405 (60418)	27405 (60418)

3. WORKING RANGE AND DIGGING FORCE

1) HX260LT3, MONO BOOM

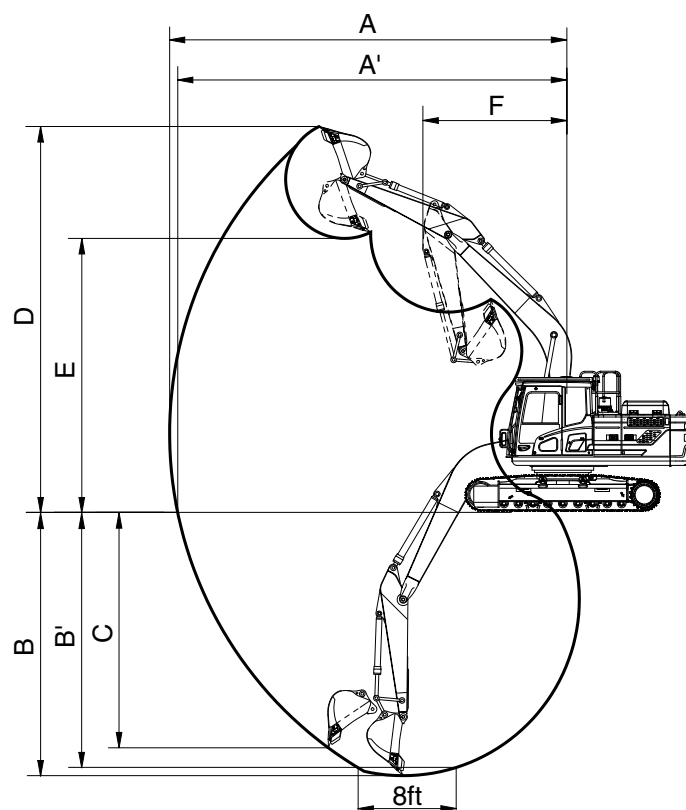


260SA2SP10

Description	m (ft-in)	Boom				
		Arm	5.85 (19' 2")			
Max digging reach	mm (ft-in)	A	10360 (34' 0")	9560 (31' 4")	9870 (32' 5")	10870 (35' 8")
Max digging reach on ground		A'	10190 (33' 5")	9370 (30' 9")	9690 (31' 9")	10710 (35' 2")
Max digging depth		B	7010 (23' 0")	6060 (19' 11")	6460 (21' 2")	7560 (24' 10")
Max digging depth (8 ft level)		B'	6850 (22' 6")	5850 (19' 2")	6280 (20' 7")	7420 (24' 4")
Max vertical wall digging depth		C	6170 (20' 3")	5520 (18' 1")	5680 (18' 8")	6860 (22' 6")
Max digging height		D	10260 (33' 8")	9950 (32' 8")	10020 (32' 10")	10560 (34' 8")
Max dumping height		E	7150 (23' 5")	6800 (22' 4")	6900 (22' 8")	7430 (24' 5")
Min swing radius		F	3450 (11' 4")	3840 (12' 7")	3190 (10' 6")	3150 (10' 4")
Bucket digging force	kN	SAE	154.0 [168]	153.0 [166.9]	154.0 [168]	154.0 [168]
	kgf		15700 [17130]	15600 [17020]	15700 [17130]	15700 [17130]
	lbf		34610 [37770]	34390 [37520]	34610 [37770]	34610 [37770]
	kN	ISO	178.5 [194.7]	177.5 [193.7]	177.5 [193.7]	178.5 [194.7]
	kgf		18200 [19850]	18100 [19750]	18100 [19750]	18200 [19850]
	lbf		40120 [43760]	39900 [43540]	39900 [43540]	40120 [43760]
Arm digging force	kN	SAE	112.8 [123.1]	158.9 [173.3]	134.4 [146.6]	103.0 [112.3]
	kgf		11500 [12550]	16200 [17670]	13700 [14950]	10500 [11450]
	lbf		25350 [27670]	35710 [38960]	30200 [32960]	23150 [25240]
	kN	ISO	117.7 [128.4]	167.7 [182.9]	141.2 [154.1]	106.9 [116.6]
	kgf		12000 [13090]	17100 [18650]	14400 [15710]	10900 [11890]
	lbf		26460 [28860]	37700 [41120]	31750 [34630]	24030 [26210]

[] : Power boost

2) HX260LT3, HW



260SA2SP10

Description	m (ft-in)	Boom 5.85 (19' 2")				
		Arm	3.05 (10' 0")	2.10 (6' 11")	2.50 (8' 2")	3.60 (11' 10")
Max digging reach	mm (ft-in)	A	10360 (34' 0")	9560 (31' 4")	9870 (32' 5")	10870 (35' 8")
Max digging reach on ground		A'	10120 (33' 2")	9290 (30' 6")	9610 (31' 6")	10640 (34' 11")
Max digging depth		B	6650 (21' 10")	5700 (18' 8")	6100 (20' 0")	7200 (23' 7")
Max digging depth (8 ft level)		B'	6490 (21' 4")	5490 (18' 0")	5910 (19' 5")	7050 (23' 2")
Max vertical wall digging depth		C	5810 (19' 1")	5150 (16' 11")	5320 (17' 5")	6500 (21' 4")
Max digging height		D	10620 (34' 10")	10310 (33' 10")	10380 (34' 1")	10920 (35' 10")
Max dumping height		E	7510 (24' 8")	7160 (23' 6")	7260 (23' 10")	7790 (25' 7")
Min swing radius		F	3450 (11' 4")	3840 (12' 7")	3190 (10' 6")	3150 (10' 4")
Bucket digging force	kN	SAE	154.0 [168]	153.0 [166.9]	154.0 [168]	154.0 [168]
	kgf		15700 [17130]	15600 [17020]	15700 [17130]	15700 [17130]
	lbf		34610 [37770]	34390 [37520]	34610 [37770]	34610 [37770]
	kN	ISO	178.5 [194.7]	177.5 [193.7]	177.5 [193.7]	178.5 [194.7]
	kgf		18200 [19850]	18100 [19750]	18100 [19750]	18200 [19850]
	lbf		40120 [43760]	39900 [43540]	39900 [43540]	40120 [43760]
Arm digging force	kN	SAE	112.8 [123.1]	158.9 [173.3]	134.4 [146.6]	103.0 [112.3]
	kgf		11500 [12550]	16200 [17670]	13700 [14950]	10500 [11450]
	lbf		25350 [27670]	35710 [38960]	30200 [32960]	23150 [25240]
	kN	ISO	117.7 [128.4]	167.7 [182.9]	141.2 [154.1]	106.9 [116.6]
	kgf		12000 [13090]	17100 [18650]	14400 [15710]	10900 [11890]
	lbf		26460 [28860]	37700 [41120]	31750 [34630]	24030 [26210]

[] : Power boost

4. WEIGHT

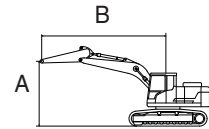
Item	HX260LT3		HX260LT3 HW	
	kg	lb	kg	lb
Upperstructure assembly	11671	25730	11685	25760
Main frame weld assembly	2430	5360	2430	5360
Engine assembly	552	1220	552	1220
Main pump assembly	146	320	146	320
Main control valve assembly	220	490	220	490
Swing motor assembly	380	840	380	840
Hydraulic oil tank WA	185	410	185	410
Fuel tank WA	216	480	216	480
Counterweight	4600	10140	4600	10140
Cab assembly	495	1090	495	1090
Lower chassis assembly	8902	19630	13551	29870
Track frame weld assembly	2930	6460	5170	11400
Swing bearing	364	800	364	800
Travel motor assembly (2EA)	610	1340	886	1950
Turning joint	53	120	53	120
Sprocket (2EA)	103	230	103	230
Track recoil spring (2EA)	326	720	326	720
Idler (2EA)	301	660	301	660
Upper roller (2EA)	82	180	82	180
Lower roller (18EA)	855	1880	855	1880
Track-chain assembly (600 mm triple grouser shoe) (2EA)	3000	6610	3000	6610
Front attachment assembly				
5.85 m boom assembly	5487	12100	5487	12100
3.05 m arm assembly	2055	4530	2055	4530
1.08 m³ SAE heaped bucket	987	2180	987	2180
Boom cylinder assembly (2EA)	910	2010	910	2010
Arm cylinder assembly	474	1040	474	1040
Bucket cylinder assembly	334	740	334	740
Bucket control linkage total	206	450	206	450

5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX260LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5850	2010	4600	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*7270 *16030	*7270 *16030	5.55 (18.2)
6.0 m (19.7 ft)	kg lb			*7450 *16420	*7450 *16420	*7020 *15480	6840 15080			*7120 *15700	5570 12280	6.77 (22.2)
4.5 m (14.8 ft)	kg lb			*9300 *20500	*9300 *20500	*7680 *16930	6610 14570			6980 15390	4650 10250	7.49 (24.6)
3.0 m (9.8 ft)	kg lb					*8750 *19290	6300 13890	6850 15100	4540 10010	6360 14020	4220 9300	7.86 (25.8)
1.5 m (4.9 ft)	kg lb					9390 20700	6030 13290	6720 14820	4410 9720	6190 13650	4080 8990	7.93 (26.0)
0.0 m (0.0 ft)	kg lb			*14160 *31220	8870 19550	9220 20330	5880 12960	6640 14640	4350 9590	6400 14110	4200 9260	7.70 (25.3)
-1.5 m (-4.9 ft)	kg lb			*13770 *30360	8910 19640	9210 20300	5870 12940			7130 15720	4660 10270	7.16 (23.5)
-3.0 m (-9.8 ft)	kg lb	*16820 *37080	*16820 *37080	*12420 *27380	9090 20040	*9100 *20060	6030 13290			*8600 *18960	5780 12740	6.20 (20.4)

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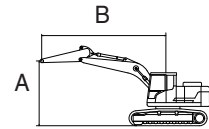
Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX260LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5850	2500	4600	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*6090 *13430	*6090 *13430	6.00 (19.7)
6.0 m (19.7 ft)	kg lb					*6490 *14310	*6490 *14310			*5660 *12480	5160 11380	7.14 (23.4)
4.5 m (14.8 ft)	kg lb			*8580 *18920	*8580 *18920	*7240 *15960	6680 14730	*6730 *14840	4690 10340	*5590 *12320	4360 9610	7.82 (25.7)
3.0 m (9.8 ft)	kg lb			*11110 *24490	9690 21360	*8360 *18430	6350 14000	6870 15150	4550 10030	*5750 *12680	3970 8750	8.18 (26.8)
1.5 m (4.9 ft)	kg lb			*13180 *29060	9100 20060	9430 20790	6060 13360	6720 14820	4410 9720	5830 12850	3840 8470	8.25 (27.1)
0.0 m (0.0 ft)	kg lb			*14060 *31000	8860 19530	9220 20330	5870 12940	6610 14570	4320 9520	6000 13230	3930 8660	8.03 (26.3)
-1.5 m (-4.9 ft)	kg lb	*11530 *25420	*11530 *25420	*13950 *30750	8840 19490	9160 20190	5820 12830	6620 14590	4320 9520	6610 14570	4310 9500	7.51 (24.6)
-3.0 m (-9.8 ft)	kg lb	*18010 *39710	*18010 *39710	*12910 *28460	8980 19800	9270 20440	5920 13050			8060 17770	5220 11510	6.61 (21.7)
-4.5 m (-14.8 ft)	kg lb			*10170 *22420	9350 20610					*8590 *18940	7760 17110	5.12 (16.8)

Note 1. Lifting capacity are based on ISO 10567.

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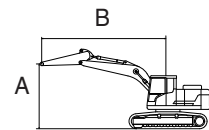
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX260LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5850	3050	4600	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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg							*5640	*5640			*4020	*4020	6.66
	lb							*12430	*12430			*8860	*8860	(21.8)
6.0 m (19.7 ft)	kg							*5760	*5760	*4720	*4720	*3770	*3770	7.70
	lb							*12700	*12700	*10410	*10410	*8310	*8310	(25.3)
4.5 m (14.8 ft)	kg					*7520	*7520	*6570	*6570	*6150	4720	*3730	*3730	8.34
	lb					*16580	*16580	*14480	*14480	*13560	10410	*8220	*8220	(27.4)
3.0 m (9.8 ft)	kg					*10060	9890	*7760	6410	*6720	4560	*3840	3610	8.67
	lb					*22180	21800	*17110	14130	*14820	10050	*8470	7960	(28.5)
1.5 m (4.9 ft)	kg					*12400	9200	*8980	6070	6700	4390	*4110	3490	8.74
	lb					*27340	20280	*19800	13380	14770	9680	*9060	7690	(28.7)
0.0 m (0.0 ft)	kg			*6350	*6350	*13710	8830	9190	5840	6560	4260	*4580	3550	8.53
	lb			*14000	*14000	*30230	19470	20260	12870	14460	9390	*10100	7830	(28.0)
-1.5 m (-4.9 ft)	kg	*7180	*7180	*11200	*11200	*13990	8730	9080	5740	6510	4210	*5410	3840	8.04
	lb	*15830	*15830	*24690	*24690	*30840	19250	20020	12650	14350	9280	*11930	8470	(26.4)
-3.0 m (-9.8 ft)	kg	*12130	*12130	*17610	*17610	*13350	8810	9120	5780			6970	4520	7.21
	lb	*26740	*26740	*38820	*38820	*29430	19420	20110	12740			15370	9960	(23.7)
-4.5 m (-14.8 ft)	kg			*16130	*16130	*11410	9080					*8250	6180	5.88
	lb			*35560	*35560	*25150	20020					*18190	13620	(19.3)

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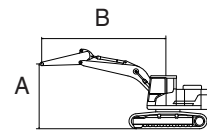
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX260LT3	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5850	3600	4600	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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg													*3960	*3960	5.83
	lb													*8730	*8730	(19.1)
7.5 m (24.6 ft)	kg													*3480	*3480	7.32
	lb													*7670	*7670	(24.0)
6.0 m (19.7 ft)	kg									*5160	4880			*3290	*3290	8.27
	lb									*11380	10760			*7250	*7250	(27.1)
4.5 m (14.8 ft)	kg							*5870	*5870	*5600	4760			*3260	*3260	8.87
	lb							*12940	*12940	*12350	10490			*7190	*7190	(29.1)
3.0 m (9.8 ft)	kg					*8950	*8950	*7110	6480	*6230	4570	*4260	3390	*3350	3260	9.19
	lb					*19730	*19730	*15670	14290	*13730	10080	*9390	7470	*7390	7190	(30.1)
1.5 m (4.9 ft)	kg					*11490	9300	*8430	6090	6700	4380	*4900	3300	*3560	3160	9.25
	lb					*25330	20500	*18580	13430	14770	9660	*10800	7280	*7850	6970	(30.3)
0.0 m (0.0 ft)	kg			*7080	*7080	*13180	8810	9170	5810	6520	4210	*4320	3230	*3930	3200	9.05
	lb			*15610	*15610	*29060	19420	20220	12810	14370	9280	*9520	7120	*8660	7050	(29.7)
-1.5 m (-4.9 ft)	kg	*6440	*6440	*10510	*10510	*13840	8620	8990	5650	6420	4130			*4560	3420	8.60
	lb	*14200	*14200	*23170	*23170	*30510	19000	19820	12460	14150	9110			*10050	7540	(28.2)
-3.0 m (-9.8 ft)	kg	*10440	*10440	*15470	*15470	*13580	8630	8980	5640	6450	4150			*5730	3930	7.82
	lb	*23020	*23020	*34110	*34110	*29940	19030	19800	12430	14220	9150			*12630	8660	(25.7)
-4.5 m (-14.8 ft)	kg	*15510	*15510	*17650	*17650	*12230	8840	*8930	5790					*7710	5080	6.62
	lb	*34190	*34190	*38910	*38910	*26960	19490	*19690	12760					*17000	11200	(21.7)

Note 1. Lifting capacity are based on ISO 10567.

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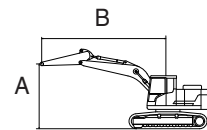
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX260LT3 HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5850	2100	4600	600	-	-	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*7200 *15870	*7200 *15870	5.91 (19.4)
6.0 m (19.7 ft)	kg lb			*7800 *17200	*7800 *17200	*7110 *15670	*7110 *15670			*7130 *15720	6500 14330	6.98 (22.9)
4.5 m (14.8 ft)	kg lb			*9890 *21800	*9890 *21800	*7920 *17460	*7920 *17460	*7230 *15940	5720 12610	*7230 *15940	5590 12320	7.61 (25.0)
3.0 m (9.8 ft)	kg lb					*9010 *19860	7730 17040	*7610 *16780	5610 12370	*7440 *16400	5190 11440	7.90 (25.9)
1.5 m (4.9 ft)	kg lb					*9940 *21910	7480 16490	*8040 *17730	5490 12100	7580 16710	5110 11270	7.90 (25.9)
0.0 m (0.0 ft)	kg lb			*14140 *31170	11220 24740	*10380 *22880	7360 16230	8130 17920	5450 12020	7980 17590	5350 11790	7.60 (24.9)
-1.5 m (-4.9 ft)	kg lb	*13230 *29170	*13230 *29170	*13550 *29870	11290 24890	*10130 *22330	7380 16270			*8390 *18500	6060 13360	6.97 (22.9)
-3.0 m (-9.8 ft)	kg lb	*16040 *35360	*16040 *35360	*11860 *26150	11520 25400					*8640 *19050	7820 17240	5.89 (19.3)

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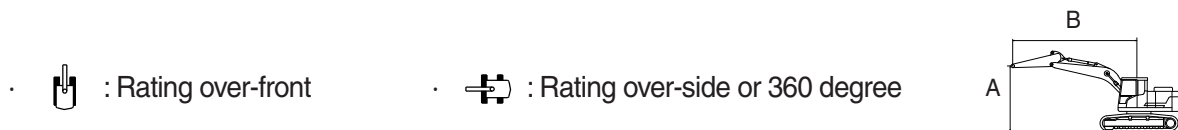
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX260LT3 HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5850	2500	4600	600	-	-	-	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*6460 *14240	*6460 *14240			*5940 *13100	*5940 *13100	6.33 (20.8)
6.0 m (19.7 ft)	kg lb					*6620 *14590	*6620 *14590			*5620 *12390	*5620 *12390	7.34 (24.1)
4.5 m (14.8 ft)	kg lb			*9160 *20190	*9160 *20190	*7490 *16510	*7490 *16510	*6810 *15010	5760 12700	*5610 *12370	5260 11600	7.94 (26.0)
3.0 m (9.8 ft)	kg lb			*11700 *25790	*11700 *25790	*8650 *19070	7780 17150	*7320 *16140	5620 12390	*5820 *12830	4890 10780	8.22 (27.0)
1.5 m (4.9 ft)	kg lb			*13500 *29760	11370 25070	*9690 *21360	7500 16530	*7840 *17280	5480 12080	*6300 *13890	4820 10630	8.22 (27.0)
0.0 m (0.0 ft)	kg lb			*14110 *31110	11190 24670	*10280 *22660	7350 16200	8090 17840	5400 11900	*7170 *15810	5020 11070	7.93 (26.0)
-1.5 m (-4.9 ft)	kg lb	*13530 *29830	*13530 *29830	*13790 *30400	11210 24710	*10240 *22580	7330 16160			*8060 *17770	5600 12350	7.33 (24.0)
-3.0 m (-9.8 ft)	kg lb	*17300 *38140	*17300 *38140	*12460 *27470	11400 25130	*9140 *20150	7480 16490			*8460 *18650	7000 15430	6.31 (20.7)

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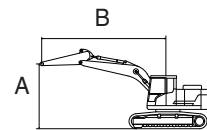
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX260LT3 HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5850	3050	4600	600	-	-	-	-	-

·  : 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)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*4460 *9830	*4460 *9830	5.47 (18.0)
7.5 m (24.6 ft)	kg lb							*5580 *12300	*5580 *12300			*3930 *8660	*3930 *8660	6.96 (22.8)
6.0 m (19.7 ft)	kg lb							*5910 *13030	*5910 *13030	*5380 *11860	*5380 *11860	*3750 *8270	*3750 *8270	7.89 (25.9)
4.5 m (14.8 ft)	kg lb			*11330 *24980	*11330 *24980	*8090 *17840	*8090 *17840	*6840 *15080	*6840 *15080	*6270 *13820	5790 12760	*3750 *8270	*3750 *8270	8.45 (27.7)
3.0 m (9.8 ft)	kg lb					*10690 *23570	*10690 *23570	*8070 *17790	7830 17260	*6880 *15170	5620 12390	*3890 *8580	*3890 *8580	8.71 (28.6)
1.5 m (4.9 ft)	kg lb					*12820 *28260	11430 25200	*9240 *20370	7510 16560	*7510 *16560	5450 12020	*4200 *9260	*4200 *9260	8.71 (28.6)
0.0 m (0.0 ft)	kg lb			*7450 *16420	*7450 *16420	*13860 *30560	11140 24560	*10020 *22090	7300 16090	*7950 *17530	5340 11770	*4740 *10450	4540 10010	8.44 (27.7)
-1.5 m (-4.9 ft)	kg lb	*8350 *18410	*8350 *18410	*12570 *27710	*12570 *27710	*13920 *30690	11090 24450	*10240 *22580	7230 15940	*7970 *17570	5320 11730	*5710 *12590	4990 11000	7.88 (25.8)
-3.0 m (-9.8 ft)	kg lb	*13480 *29720	*13480 *29720	*18690 *41200	*18690 *41200	*13030 *28730	11210 24710	*9640 *21250	7310 16120			*7740 *17060	6010 13250	6.94 (22.8)
-4.5 m (-14.8 ft)	kg lb			*14980 *33030	*14980 *33030	*10580 *23320	*10580 *23320					*8320 *18340	*8320 *18340	5.45 (17.9)

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

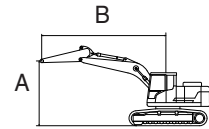
Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX260LT3 HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		5850	3600	4600	-	-	-	-	-	-

•  : 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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg lb							*4480 *9880	*4480 *9880					*3800 *8380	*3800 *8380	6.26 (20.5)
7.5 m (24.6 ft)	kg lb									*3740 *8250	*3740 *8250			*3410 *7520	*3410 *7520	7.59 (24.9)
6.0 m (19.7 ft)	kg lb							*5190 *11440	*5190 *11440	*5290 *11660	*5290 *11660			*3270 *7210	*3270 *7210	8.45 (27.7)
4.5 m (14.8 ft)	kg lb							*6150 *13560	*6150 *13560	*5740 *12650	*5740 *12650			*3270 *7210	*3270 *7210	8.97 (29.4)
3.0 m (9.8 ft)	kg lb					*9610 *21190	*9610 *21190	*7440 *16400	*7440 *16400	*6410 *14130	5630 12410	*4490 *9900	4230 9330	*3390 *7470	*3390 *7470	9.22 (30.3)
1.5 m (4.9 ft)	kg lb					*12000 *26460	11520 25400	*8720 *19220	7520 16580	*7120 *15700	5430 11970	*4910 *10820	4140 9130	*3630 *8000	*3630 *8000	9.22 (30.3)
0.0 m (0.0 ft)	kg lb			*7780 *17150	*7780 *17150	*13430 *29610	11090 24450	*9670 *21320	7260 16010	*7690 *16950	5290 11660			*4050 *8930	*4050 *8930	8.97 (29.4)
-1.5 m (-4.9 ft)	kg lb	*7370 *16250	*7370 *16250	*11560 *25490	*11560 *25490	*13860 *30560	10950 24140	*10110 *22290	7140 15740	7910 17440	5220 11510			*4780 *10540	4450 9810	8.44 (27.7)
-3.0 m (-9.8 ft)	kg lb	*11540 *25440	*11540 *25440	*17020 *37520	*17020 *37520	*13370 *29480	11010 24270	*9870 *21760	7160 15790	*7110 *15670	5280 11640			*6170 *13600	5210 11490	7.58 (24.9)
-4.5 m (-14.8 ft)	kg lb			*16730 *36880	*16730 *36880	*11650 *25680	11280 24870	*8340 *18390	7370 16250					*7820 *17240	7000 15430	6.24 (20.5)

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 Hyundai 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) HX260LT3, 4600 KG COUNTERWEIGHT



General bucket



Heavy duty
(without side cutter)



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			
						Recommendation			
	SAE Heaped	CECE heaped				5.85 m (19' 2") Boom			
	m³ (yd³)	m³ (yd³)				mm (in)	kg (lb)	EA	2.1 m (6' 11")Arm
General bucket	1.08 (1.41)	0.95 (1.24)	1130 (44.5")	910 (2010)	5	●	●	●	●
	1.27 (1.66)	1.10 (1.44)	1290 (50.8")	1010 (2290)	5	●	●	◐	■
	1.50 (1.96)	1.30 (1.70)	1490 (58.7")	1080 (2380)	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 Hyundai dealer for information on selecting the correct boom–arm–bucket combination.

2) HX260LT3, 5100 KG COUNTERWEIGHT



General bucket



Heavy duty
(without side cutter)



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			
						Recommendation			
	SAE Heaped	CECE heaped				5.85 m (19' 2") Boom			
	m³ (yd³)	m³ (yd³)				mm (in)	kg (lb)	EA	2.1 m (6' 11")Arm
General bucket	1.08 (1.41)	0.95 (1.24)	1130 (44.5")	910 (2010)	5	●	●	●	●
	1.27 (1.66)	1.10 (1.44)	1290 (50.8")	1010 (2290)	5	●	●	●	◐
	1.50 (1.96)	1.30 (1.70)	1490 (58.7")	1080 (2380)	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 Hyundai dealer for information on selecting the correct boom—arm—bucket combination.

3) HX260LT3 HW, 4600 AND 5100 KG COUNTERWEIGHT



General bucket



Heavy duty
(without side cutter)



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			
						Recommendation			
	SAE Heaped	CECE heaped				5.85 m (19' 2") Boom			
	m ³ (yd ³)	m ³ (yd ³)				2.1 m (6' 11") Arm	2.5 m (8' 2") Arm	3.05 m (10' 0") Arm	3.60 m (11' 10") Arm
General bucket	1.08 (1.41)	0.95 (1.24)	1130 (44.5")	910 (2010)	5	●	●	●	●
	1.27 (1.66)	1.10 (1.44)	1290 (50.8")	1010 (2290)	5	●	●	●	●
	1.50 (1.96)	1.30 (1.70)	1490 (58.7")	1080 (2380)	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 Hyundai dealer for information on selecting the correct boom—arm—bucket combination.

7. UNDERCARRIAGE

1) TYPES OF SHOES

Model	Description	Unit		Triple grouser							
	width	mm	(in)	600	(24)	700	(28)	800	(32)	900	(36)
HX260LT3	Operating weight	kg	(lb)	26060	57450	26370	58140	26670	58800	26900	59480
	Ground pressure	kgf/cm ²	(psi)	0.53	7.54	0.46	6.54	0.41	5.79	0.37	5.20
	Overall width	mm	(in)	3180	10' 5"	3280	10' 9"	3380	11' 1"	3480	11' 5"
	Link quantity	EA		51		51		51		51	

Model	Description	Unit		Triple grouser				Double grouser	
	width	mm	(in)	600	(24)	700	(28)	700	(28)
HX260LT3 HW	Operating weight	kg	(lb)	30710	6770	31300	69000	32340	71300
	Ground pressure	kgf/cm ²	(psi)	0.59	8.41	0.52	7.35	0.53	7.58
	Overall width	mm	(in)	3390	11' 1"	3490	11' 5"	3490	11' 5"
	Link quantity	EA		48		48		48	

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
600 mm triple grouser	Standard	A
700 mm triple grouser	Option	C
700 mm double grouser (HW only)	Option	C
800 mm triple grouser	Option	C
900 mm triple grouser	Option	C

Table 2

Category	Applications	Precautions
A	Rocky ground river beds normal soil	· 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	· These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees · Travel at high speed only on flat ground · Travel slowly at low speed if it is impossible to avoid going over obstacles
C	Extremely soft ground (swampy ground)	· Use the shoes only in the conditions that the machine sinks and it is impossible to use the shoes of category A or B · These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees · Travel at high speed only on flat ground · Travel slowly at low speed if it is impossible to avoid going over obstacles

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