

DX35Z

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1. GENERAL SPECIFICATION

ITEMS		UNIT	STD	OPT1
OPERATING WEIGHT	CABIN	ton	3.66	←
	CANOPY	ton	3.56	←
BUCKET CAPACITY(CECE)		m³	0.11	←
ENGINE	RATED POWER(net)	PS/rpm	26.5/2,200	←
	MAX. TORQUE	kg.m/rpm	11.2/1,200	←
SYSTEM PRESSURE (WORK/TRAVEL)		kg/cm²	230	←
SWING SPEED		rpm	9.5	←
TRAVEL SPEED (1-Speed/2-Speed)		km/h	2.5/4.5	←
GRADEABILITY		%(deg)	58 (30°)	←
SHOE WIDTH		mm	300	←
GROUND PRESSURE		kg/cm²	0.33	←
DIGGING FORCE	BUCKET	ton	3.0	←
	ARM	ton	2.1	2.0
WORKINGRANGE	MAX. DIGGING REACH	mm	5,090	5,200
	MAX. DIGGING DEPTH	mm	3,025	3,155
	MAX. DIGGING HEIGHT	mm	4,840	5,060
	REAR SWING RADIUS	mm	850	←
	MIN. SWING RADIUS	mm	2,185	←
TRANSPORTATION DIMENSION	OVERALL LENGTH	mm	4,645	←
	OVERALL WIDTH	mm	1,700	←
	OVERALL HEIGHT	mm	2,515	←
	GROUND CLEARANCE	mm	310	←
	TRACK LENGTH	mm	1,700	←
	TRACK GAUGE	mm	1,400	←
BOOM SWING ANGLE (L x R)		degree	70 / 50	←
DOZER BLADE (W x H)		mm	1,700 x 350	←
OPTION ATTACHMENTS		<ul style="list-style-type: none"> - CANOPY - LONG ARM 1.33M - LONG DOZER BLADE1.24M - QUICK CLAMP PIPING 		
STANDARD : STD BOOM (2405 mm) STD ARM (1200 mm) STD BUCKET (0.11m³) OPTION 1 : STD BOOM (2405 mm) LONG ARM (1330 mm) STD BUCKET (0.11m³)				

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2. ENGINE SYSTEM

2.1) ENGINE

RATED HORSE POWER(net)	:	26.5PS/ 2,200 rpm (KS R1004) 19.5KW (26.5PS) / 2,200 rpm (DIN 6271) 19.5 KW (26.1HP) / 2,200 rpm (SAE J 1349)
MAX. TORQUE	:	11.2 kg.m / 1,200 rpm
DISPLACEMENT	:	1,642 cc
No. OF CYLINDER	:	3
BORE & STROKE	:	∅ 88 x 90 mm

3. HYDRAULIC SYSTEM

3.1) MAIN PUMP

QUANTITY	:	1
DISPLACEMENT	:	2 X 17.5 / cc / rev
MAX. FLOW RATE	:	2 X 38.5 Liter/min
RELIEF VALVE	:	230kg/cm²

3.2) PUMP (S/W, BOOM S/W, D/Z)

DISPLACEMENT	:	10.7 cc/rev.
RELIEF VALVE	:	230kg/cm²

3.3) PILOT PUMP

RELIEF VALVE	:	30kg/cm²
SOLENOID VALVE	:	12V , 11.7W

3.4) CONTROL VALVE

RELIEF VALVE PRESSURE	:	230kgf/cm²
PORT RELIEF VALVE PRESSURE	:	250 kgf/cm² AT 5L/min

4. SWING MECHANISM

4.1) SWING PERFORMANCE

MAX. SWING SPEED	:	9.5 rpm
MAX. SWING TORQUE	:	789 kgf.m

5. TRAVEL MECHANISM

5.1) TRAVEL SYSTEM

5.1.1) TRAVEL PERFORMANCE

TRAVEL SPEED	:	2.5 / 4.5 km/hr.
TRACTION FORCE	:	4.5 / 2.4 ton.
GRADEABILITY	:	58 %.

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5.2) UNDER CARRIAGE

5.2.1) ROLLERS : LOWER
Q'TY PER SIDE : 4

5.2.3) FRONT IDLER
DIA. : Φ 269 mm.

SHOE WIDTH (mm)	GROUND PRESSURE (bar)	MACHINE WEIGHT (ton)
300	0.32	3.7

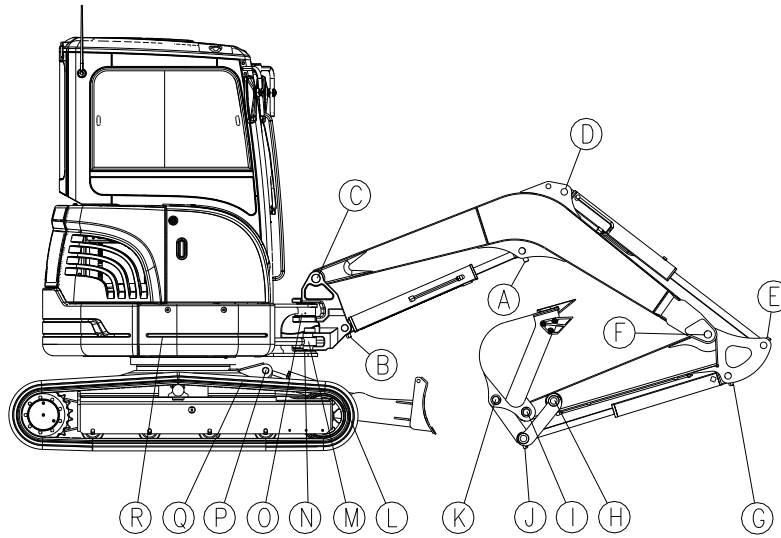
6. HYDRAULIC CYLINDERS

	BOOM	ARM	BUCKET	DOZER	B/SWING
QUANTITY (EA)	1	1	1	1	1
BORE	Φ 80	Φ 80	Φ 70	Φ 90	Φ 80
STROKE	630	605	515	140	396
ROD DIA.	Φ 45	Φ 45	Φ 40	Φ 50	Φ 45

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7. FRONT

7.1) FRONT LINKAGE PIN SIZES



POINT	PIN DIA.(mm)	LENGTH(mm)	POINT	PIN DIA.(mm)	LENGTH(mm)
A	Φ40	185	J	Φ40	232
B	Φ40	247	K	Φ40	232
C	Φ50	305	L	Φ40	123
D	Φ40	161	M	Φ35	166
E	Φ40	149	N	Φ70	171
F	Φ40	222	O	Φ70	141
G	Φ40	149	P	Φ40	116
H	Φ40	232	Q	Φ40	123
I	Φ40	232	R	Φ35	140

7.2) FRONT ATTACHMENTS

7.2.1) BOOM

	LENGTH (mm)	WEIGHT (kg)
STD. BOOM	2405	135

7.2.2) ARM

	LENGTH (mm)	WEIGH (kg)	DIGGING FORCE(ton)
STD. ARM	1200	67	2.1
OPT. ARM	1330	75	1.9

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7.2.3) BUCKET

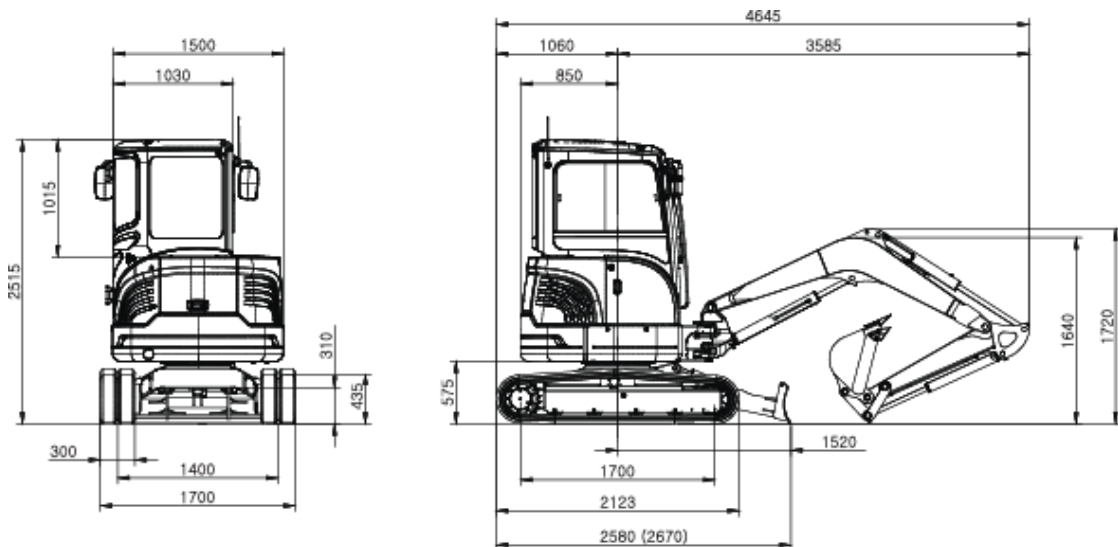
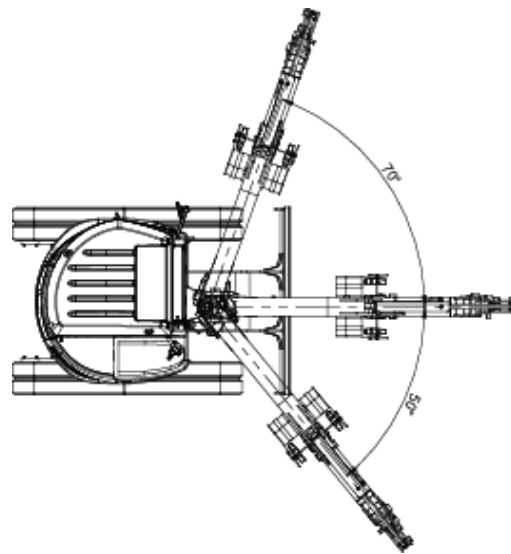
	CAPACITY(m ³)		BUCKET WIDTH (mm)		DIGGING FORCE (ton)
	CECE	SAE	W/CUTTER	W/O CUTTER	
STD. BUCKET	0.094	0.11	576	550	3.0

7.3) OPTION PIPING

FRONT SUPPLY PIPING : QUICK COUPLER
 AVAILABLE ATTACHMENT : BREAKER, QUICK COUPLER

8. DIMENSION & WORKING RANGE

8.1) DIMENSIONS

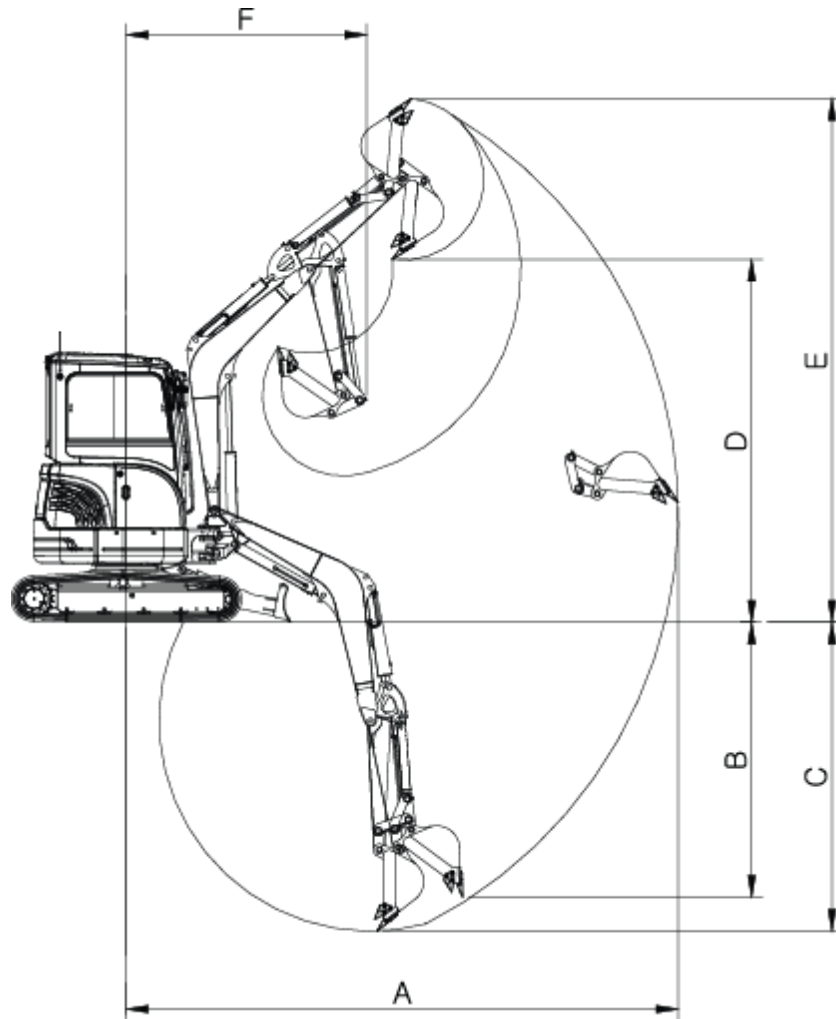


* NOTE

() DIMENSION : WHEN 1.24m LONG DOZER IS USED.

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8.2) WORKING RANGE

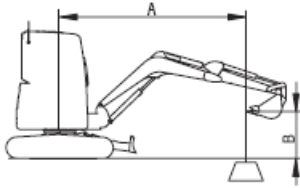




BOOM TYPE	(mm)		2405	
ARM TYPE	(mm)		1200	1330
BUCKET TYPE(SAE)	(m ³)		0.11	0.11
MAX. DIGGING REACH	(mm)	A	5090	5200
MAX. VERTICAL WALL DEPTH	(mm)	B	2560	2630
MAX. DIGGING DEPTH	(mm)	C	3025	3155
MAX. LOADING HEIGHT	(mm)	D	3350	3440
MAX. DIGGING HEIGHT	(mm)	E	4840	4880
MIN. DIGGING RADIUS	(mm)	F	2210	2060

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9. LIFTING CAPACITIES









9.1) LIFTING CAPACITIES(DOZER UP)















TRACK WIDTH : 1.7 m (5' 7") TRACK
 BOOM : 2.405 m (7' 11")
 ARM : 1.2 m (3' 11")
 BUCKET : SAE 0.11 m³ (CECE 0.094 m³)
 SHOE : 300 mm (11.8")
 : RATING OVER FRONT
 : RATING OVER SIDE OR 360 degree
 UNIT : 1,000 kg (1,000 lb)

WITHOUT DOZER

METRIC

A(m) \ B(m)	2		3		4		MAX. REACH		
									A(m)
4							* 0.77	* 0.77	276
3			* 0.67	* 0.67			0.48	0.47	376
2			0.70	0.69	0.43	0.42	0.39	0.38	421
1			0.67	0.65	0.42	0.41	0.36	0.36	434
0 (GROUND)	1.23	1.18	0.64	0.63	0.41	0.40	0.38	0.38	418
-1	1.25	1.20	0.64	0.63			0.47	0.46	368
-2	1.30	1.25					* 0.84	0.83	259

FEET

A (ft) \ B (ft)	6'		8'		10'		12'		14'		MAX. REACH		
													A (ft)
12'					1.54	1.51					1.41	1.38	10' 6"
10'					* 1.48	* 1.48	1.12	1.10			1.08	1.06	12' 3"
8'					1.54	1.51	1.12	1.10			0.92	0.91	13' 4"
6'			2.16	2.10	1.50	1.47	1.11	1.09			0.84	0.83	13' 12"
4'			2.04	1.99	1.45	1.42	1.08	1.06	0.83	0.82	0.81	0.79	14' 3"
2'			1.97	1.92	1.41	1.37	1.06	1.04	0.82	0.81	0.81	0.79	14' 2"
0 (GROUND)			1.95	1.90	1.38	1.35	1.04	1.02			0.84	0.83	13' 9"
-2'	3.20	3.07	1.95	1.90	1.38	1.35	1.04	1.02			0.94	0.92	12' 11"
-4'	3.25	3.12	1.98	1.92	1.39	1.36					1.13	1.10	11' 6"
-6'	3.32	3.19	2.03	1.97							1.59	1.56	9' 4"

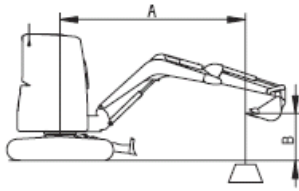
1. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
2. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
3. RATED LOADS DO NOT EXCEED 87 % OF HYD. CAPACITY OR 75 % OF TIPPING CAPACITY.



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


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9.2) LIFTING CAPACITIES(DOZER DOWN)















TRACK WIDTH : 1.7 m (5' 7") TRACK
 BOOM : 2.405 m (7' 11")
 ARM : 1.2 m (3' 11")
 BUCKET : SAE 0.11 m³ (CECE 0.094 m³)
 SHOE : 300 mm (11.8")
 : RATING OVER FRONT
 : RATING OVER SIDE OR 360 degree
 UNIT : 1,000 kg (1,000 lb)

WITH DOZER
METRIC

A(m) \ B(m)	2		3		4		MAX. REACH		
									A(m)
4							* 0.77	* 0.77	2.76
3			* 0.67	* 0.67			* 0.73	0.47	3.76
2			* 0.88	0.69	* 0.75	0.41	* 0.74	0.38	4.21
1			* 1.18	0.65	* 0.84	0.40	* 0.78	0.36	4.34
0 (GROUND)	* 1.29	1.18	* 1.34	0.63	* 0.89	0.39	* 0.82	0.38	4.18
-1	* 2.17	1.20	* 1.26	0.63			* 0.87	0.46	3.68
-2	* 1.31	1.25					* 0.84	0.83	2.59

FEET

A (ft) \ B (ft)	6'		8'		10'		12'		14'		MAX. REACH		
													A (ft)
12'					* 1.56	1.51					* 1.64	1.38	10' 6"
10'					* 1.48	* 1.48	* 1.58	1.10			* 1.61	1.06	12' 3"
8'					* 1.67	1.51	* 1.59	1.10			* 1.62	0.91	13' 4"
6'			* 2.61	2.10	* 2.02	1.47	* 1.75	1.09			* 1.65	0.83	13' 12"
4'			* 3.46	1.99	* 2.42	1.42	* 1.95	1.06	* 1.71	0.82	* 1.70	0.79	14' 3"
2'			* 3.97	1.92	* 2.74	1.37	* 2.13	1.04	* 1.78	0.81	* 1.75	0.79	14' 2"
0 (GROUND)			* 4.08	1.90	* 2.89	1.35	* 2.22	1.02			* 1.81	0.83	13' 9"
-2'	* 4.42	3.07	* 3.93	1.90	* 2.85	1.35	* 2.16	1.02			* 1.88	0.92	12' 11"
-4'	* 5.07	3.12	* 3.51	1.92	* 2.56	1.36					* 1.93	1.10	11' 6"
-6'	* 3.77	3.19	* 2.62	1.97							* 1.91	1.56	9' 4"

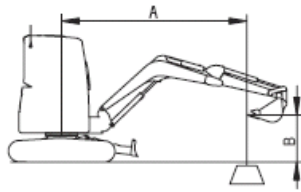
1. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
2. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
3. RATED LOADS DO NOT EXCEED 87 % OF HYD. CAPACITY OR 75 % OF TIPPING CAPACITY.

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9.3) LIFTING CAPACITIES(1.33m ARM AND DOZER UP)



WITHOUT DOZER

METRIC

- TRACK WIDTH : 1.7 m (5' 7") TRACK
- BOOM : 2,405 m (7' 11")
- ARM : 1,33 m (4' 4")
- BUCKET : SAE 0.11 m³ (CECE 0.094 m³)
- SHOE : 300 mm (11.8")
- : RATING OVER FRONT
- : RATING OVER SIDE OR 360 degree
- UNIT : 1,000 kg (1,000 lb)

A(m) \ B(m)	2		3		4		MAX. REACH		A(m)
4							* 0.71	* 0.71	2.95
3							0.46	0.45	3.89
2			0.71	0.69	0.43	0.42	0.37	0.36	4.33
1			0.67	0.65	0.42	0.40	0.35	0.34	4.45
0 (GROUND)	1.22	1.18	0.64	0.62	0.41	0.40	0.36	0.36	4.30
-1	1.24	1.19	0.64	0.62			0.44	0.43	3.82
-2	1.28	1.24					0.74	0.73	2.80

FEET

A (ft) \ B (ft)	6'		8'		10'		12'		14'		MAX. REACH		A (ft)
12'					* 1.39	* 1.39					1.30	1.28	11' 0"
10'					* 1.35	* 1.35	1.13	1.11			1.02	1.00	12' 8"
8'					1.55	1.52	1.13	1.11			0.88	0.86	13' 8"
6'			2.17	2.11	1.50	1.47	1.11	1.09	0.84	0.83	0.80	0.79	14' 4"
4'			2.06	2.00	1.45	1.42	1.08	1.06	0.83	0.81	0.77	0.76	14' 7"
2'			1.97	1.92	1.40	1.37	1.05	1.03	0.82	0.80	0.77	0.75	14' 6"
0 (GROUND)	* 2.55	* 2.55	1.94	1.89	1.37	1.34	1.04	1.02	0.81	0.80	0.80	0.79	14' 1"
-2'	3.17	3.05	1.94	1.89	1.37	1.34	1.03	1.01			0.88	0.87	13' 3"
-4'	3.22	3.09	1.96	1.90	1.38	1.35					1.05	1.03	11' 12"
-6'	3.29	3.16	2.00	1.95							1.43	1.40	9' 12"

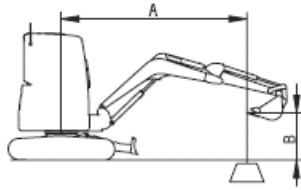
1. LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
2. * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
3. RATED LOADS DO NOT EXCEED 87 % OF HYD. CAPACITY OR 75 % OF TIPPING CAPACITY.

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9.4) LIFTING CAPACITIES(1.33m ARM AND DOZER DOWN)















WITH DOZER

TRACK WIDTH : 1.7 m (5' 7") STD TRACK
 BOOM : 2.405 m (7' 11")
 ARM : 1.33 m (4' 4")
 BUCKET : SAE 0.11 m³ (CECE 0.094 m³)
 SHOE : 300 mm (11.8")
 : RATING OVER FRONT
 : RATING OVER SIDE OR 360 degree
 UNIT : 1,000 kg (1,000 lb)

METRIC

A(m) \ B(m)	2		3		4		MAX. REACH		A(m)
									
4							*	*	2.95
3							*	0.45	3.89
2			*	0.69	*	0.42	*	0.36	4.33
1			*	0.65	*	0.40	*	0.34	4.45
0 (GROUND)	*	1.18	*	0.62	*	0.40	*	0.36	4.30
-1	*	1.19	*	0.62			*	0.43	3.82
-2	*	1.24					*	0.73	2.80

FEET

A (ft) \ B (ft)	6'		8'		10'		12'		14'		MAX. REACH		A (ft)
													
12'					*	* 1.39					*	1.28	11' 0"
10'					*	* 1.35	* 1.45	1.11			*	1.00	12' 8"
8'					*	1.52	* 1.50	1.11			*	0.86	13' 8"
6'			*	2.11	* 1.91	1.47	* 1.67	1.09	* 1.57	0.83	* 1.57	0.79	14' 4"
4'			* 3.28	2.00	* 2.32	1.42	* 1.89	1.06	* 1.66	0.81	* 1.62	0.76	14' 7"
2'			* 3.87	1.92	* 2.67	1.37	* 2.08	1.03	* 1.75	0.80	* 1.68	0.75	14' 6"
0 (GROUND)	* 2.55	* 2.55	* 4.07	1.89	* 2.86	1.34	* 2.20	1.02	1.76	0.80	* 1.74	0.79	14' 1"
-2'	* 4.37	3.05	* 3.98	1.89	* 2.87	1.34	* 2.18	1.01			* 1.82	0.87	13' 3"
-4'	* 5.34	3.09	* 3.63	1.90	* 2.64	1.35					* 1.89	1.03	11' 12"
-6'	* 4.16	3.16	* 2.87	1.95							* 1.92	1.40	9' 12"

- LOAD POINT IS THE HOOK ON THE BACK OF THE BUCKET.
- * RATED LOADS ARE BASED ON HYDRAULIC CAPACITY.
- RATED LOADS DO NOT EXCEED 87 % OF HYD. CAPACITY OR 75 % OF TIPPING CAPACITY.

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10. PERFORMANCE DATA

10.1) MAIN RELIEF PRESSURE
WOKING : **230kg/cm²**
TRAVELLING : **230kg/cm²**

11. NOISE LEVEL

SURFACE SOUND POWER LEVEL : **94 dB(A).**
OPERATOR NOISE LEVEL : **81 dB(A).**

12. SUB GROUP WEIGHTS

ITEM	UNIT	FIGURE	REMARKS
UPPER STRUCTURE W/O FRONT	kg	2120	WITH C/W
LOWER STRUCTURE	kg	1140	BELOW S/W BRG.
FRONT ASS'Y	kg	440	
COUNTER WEIGHT	kg	583	
BOOM	kg	135	
ARM	kg	67	
BUCKET	kg	85	
BOOM CYL. (EA)	kg	33	
ARM CYL.	kg	32	
BUCKET CYL.	kg	27	
DOZER	kg	141	
DOZER CYL.	kg	20	
B/SWING CYL	kg	27	
CENTER JOINT	kg	14	
SWING BEARING	kg	45	
SWING BRACKET	kg	70	

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13. USER SERVICE DATA

SERVICE DATA										
No.	Items to Check	Service	Qty.	Service Interval						
				10	50	250	500	1000	2000	
1	Radiator	Coolant (Antifreeze)	5 L	V						
2	Front & Blade	Grease	17	F100	W10					
3	Boom Swing Cylinder	Grease	4	F100						
4	Swing Gear	Grease	1							
5	Swing Bearing	Grease	1		W10					
6	Travel Reduction Device	Gear Oil (80W90)	0.5 L			V, F				
7	Engine Oil	Engine Oil (10W40)	6.3 L	V	F					
8	Hydraulic Oil Tank	Hydraulic Oil	40 L	V						
9	Fuel Tank	Diesel	42 L	V						
	Water Separator	(Water-Drain)	1	V						
10	Engine Oil Filter	Cartridge	1		F					
11	Fuel Filter	Cartridge	1							
12	Hydraulic Oil Return Filter	Element	1			F				
13	Air Cleaner (Outer)	Element	1			C				
	Air Cleaner (Inner)	Element	1							
14	Hydraulic Oil Suction Strainer	Strainer	1			F				

V: Maintenance and Refill.
C: Cleaning.
F: First Time Exchange Only.
F100: Every 10 Hours For First 100 Hours.
W10: Every 10 Hours If Operating In Water.
 Replacement On Every Interval.

NOTE: For additional service items see list of "Maintenance Intervals" on page 4-10.

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