



EXCAVATOR

DX 225 LC



## CRAWLER EXCAVATOR

AMOUNT	1
BRAND	YANWA
MODEL	DX 225 LC
ORIGIN	CHINA
YEAR	2023
OPERATIONAL WEIGHT	22300KG

## CABIN

TYPE	CLOSED AND SOUNDPROOF
A/C	INCLUDES
ADJUSTABLE SEAT	INCLUDES
SEAT BELT	INCLUDES
REAR VIEW MIRRORS	INCLUDES
WIPER WASHER	INCLUDES
RADIO	RADIO MP3 + USB + AM/FM +BLUETOOTH
NOISE INSIDE THE CABIN	71DB(A)
NOISE OUTSIDE THE CABIN	101DB(A)



## ENGINE

BRAND	CUMMINS
MODEL	6BT5.9-C145
CYLINDERS	6 IN LINE
COMBUSTION	INTERNAL 4 TIMES
FUEL	DIESEL
FEEDING SYSTEM	TURBO FEEDING
INJECTION SYSTEM	DIRECT – INLINE MECHANICAL FUEL INJECTION PUMP - RSV
CYLINDER CAPACITY	5900 CC
NET POWER	145 HP (SAE STANDARD)
OPERATING REGIME	2100RPM
MAXIMUM TORQUE	60 KGF.M / 590 NM @ 1500RPM
FUEL TANK CAPACITY	400LT
EMISSIONS	TIER III
REFRIGERATION	BY WATER
ADDITIONAL FUEL FILTER	ADDITIONAL FUEL FILTER TYPE AK

## HYDRAULIC SYSTEM

VARIABLE FLOW PISTON PUMP (X2)	
MAIN SYSTEM: MAXIMUM FLOW (2 PUMPS)	222.3 L/MIN EACH 444.6 L/MIN X2
MAXIMUM PRESSURE - EQUIPMENT NORMAL (IMPLEMENTS)	4978.17PSI
MAXIMUM PRESSURE: EQUIPMENT - PILOT MODE	570PSI
POWER MODE	5400PSI
MAXIMUM PRESSURE - DISPLACEMENT	5400PSI
MAXIMUM PRESSURE - TWIST	3840PSI
CYLINDERS	BORE X ROD DIAMETER X STROKE
BOOM CYLINDER (2)	125X85X1263MM
ARM CYLINDER	140X100X1443MM
BUCKET CYLINDER	120X80X1060MM

## UNDERCARRIAGE

NUMBER OF FOOTINGS (EACH SIDE)	49
NUMBER OF TRACK/LOWER ROLLERS (EACH SIDE)	9
NUMBER OF CARRIER/CARRIER ROLLERS(EACH SIDE)	2
WIDTH OF SHOES, TRIPLE GROUSER	800MM
UNDERCARRIAGE LENGTH	4445MM
GROUND PRESSURE	0.36 KGF/CM2

## TRANSMISSION(2 SPEED FORWARD AND REVERSE)

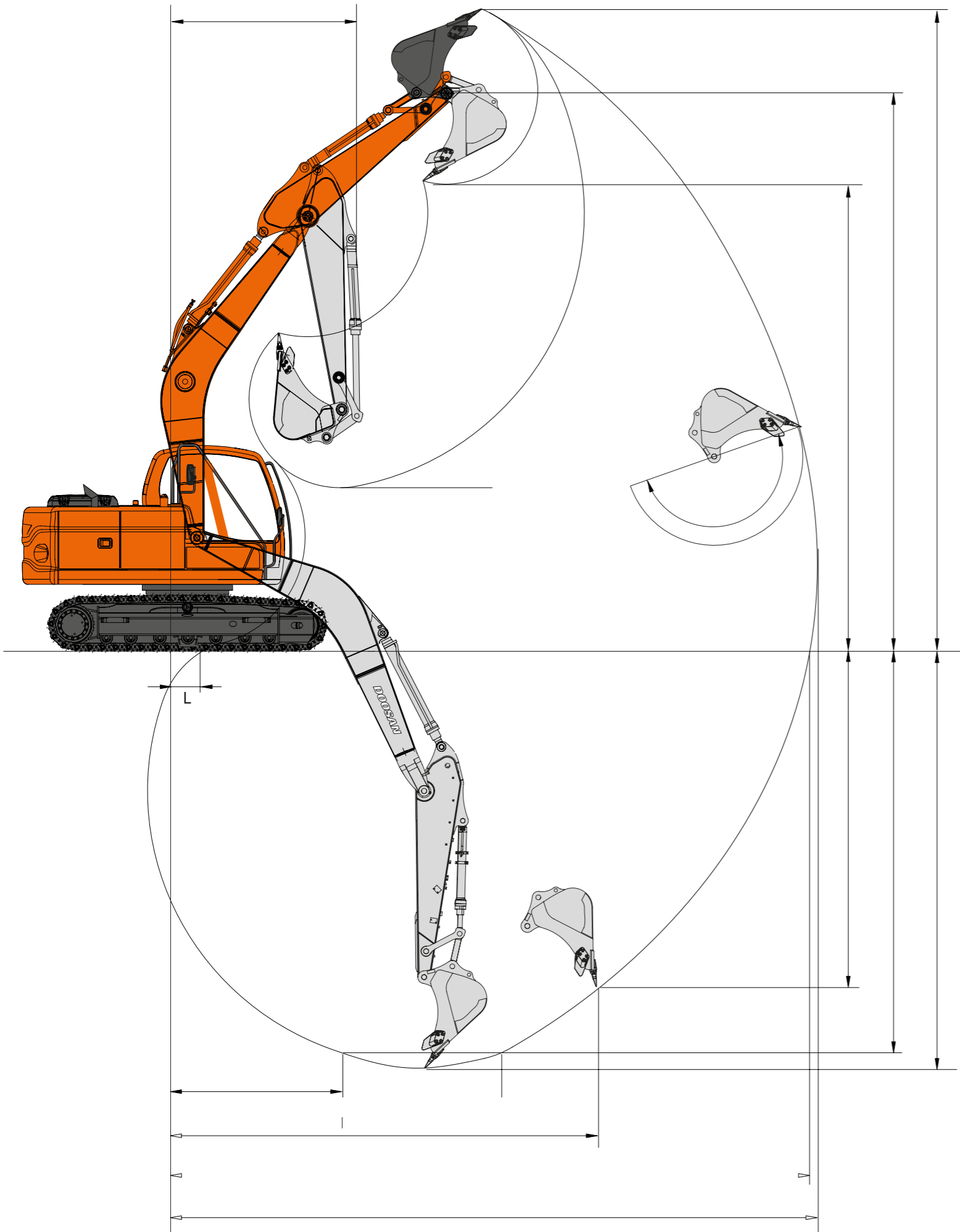
TYPE	HYDROSTATIC
SPEEDS (2 SPEEDS)	FORWARD (FAST/SLOW) / BACKWARD (FAST/SLOW)
TRAVEL SPEED (FAST/SLOW)	6.5 / 3.5 KM/H (4.0 / 2.2 MPH)
HILL CLIMBING	35°/70%
DRAWBAR	22000 KGF

## TURNING MECHANISM

TURNING SPEED	11.5RPM
MAXIMUM TORQUE	82KN*M

## DIGGING FORCES (SAE)

BUCKET DIGGING FORCE (NOMINAL)	16400 KGF (ISO STANDARD)
ARM DIGGING FORCE (NOMINAL)	11500 KGF (ISO STANDARD)



## OPERATING RANGES

ARM - 2900MM	
BOOM - 5700MM	
BUCKET - 1.08 M3	
A. MAX. DIGGING REACH	9900MM
B. MAX. DIGGING REACH AT GROUND LEVEL	9695MM
C. MAX. DIGGING DEPTH	6790MM
D. MAX. DUMP HEIGHT	6830MM
E. MIN. DUMP HEIGHT	2500MM
F. MAX. DIGGING HEIGHT	9620MM
G. MAX. BUCKET PIN HEIGHT	8270MM
H. MAX. VERTICAL WALL HEIGHT	5525MM
I. MAX. VERTICAL RADIUS	6415MM
J. MAX. DIGGING DEPTH (8 FT LEVEL)	6395MM
K. MIN. 8' RADIUS LINE	2820MM
L. MIN. DIGGING REACH	573MM
M. MIN. TURNING RADIUS	3560MM
D. BUCKET ANGLE (DEGREES)	177°

THE CABIN HAS A TOTALLY ERGONOMIC SEAT, WITH AIR CONDITIONING, ALLOWING AN ERGONOMIC AND COMFORTABLE ENVIRONMENT FOR THE OPERATOR.

THE YANWA EQUIPMENT HAS A SELF-DIAGNOSIS SYSTEM WHICH ALLOWS OBSERVING FAULT CODES, THIS HELPS THE OPERATOR AND MAINTENANCE PERSONNEL TO BE AWARE OF THE CORRECT OPERATION OF THE EQUIPMENT.

### DRIVING

THE POWER, DURABILITY, EASE OF MAINTENANCE AND PRECISE CONTROL OF THE HYDRAULIC EXCAVATOR INCREASE ITS EFFICIENCY AND ITS USEFUL LIFE. WITH THE DX225LC, YANWA OFFERS AN EXCELLENT RETURN ON INVESTMENT.

### CHOICE OF OPERATING MODES (LCD DISPLAY)

#### WORKING MODE

⚙️ DIGGING MODE: FOR GENERAL DIGGING, LOADING, LIFTING...

EXCAVATION MODE: TURNING PRIORITY FOR TRENCHING, CHANNEL

⚙️ EXCAVATION, EMBANKMENTS...

#### POWER MODE

⚙️ STANDARD – USES 85% OF ENGINE POWER FOR ALL WORK

(OPTIMUM FUEL EFFICIENCY)

⚙️ POWER – USES 100% ENGINE POWER FOR HEAVY-DUTY JOBS



THE YANWA EXCAVATOR HAS AN LCD SCREEN, WHICH ALLOWS THE OPERATOR TO SELECT THE DIFFERENT WORK MODES, EQUIPMENT SPEEDS, AMONG OTHER OPTIONS.

### OPERATING MODES

- ☼ MODE SELECTION
- ☼ FLOW CONTROL
- ☼ AUTO DECELERATION
- ☼ SCREEN SELECTION

### JOYSTICK



THE VERY PRECISE CONTROL OF THE EQUIPMENT INCREASES THE VERSATILITY, SAFETY AND FACILITATES COMPLICATED OPERATION THAT REQUIRES GREAT PRECISION.

LEVELING OPERATIONS AND, IN PARTICULAR, THE MOVEMENTS OF HIGH LOADS BECOME EASIER AND SAFER.

THE CONTROL LEVERS HAVE ADDITIONAL ELECTRICAL BUTTONS TO CONTROL OTHER ADDITIONAL EQUIPMENT (FOR EXAMPLE, BUCKETS, CRUSHERS, GRAPPLES, ETC.).



## SERVICE FILLING CAPACITY

---

FUEL TANK CAPACITY	400LT
REFRIGERATION SYSTEM	28.4 LITERS
HYDRAULIC RESERVOIR	196 LITERS
HYDRAULIC SYSTEM	275LT

## ELECTRIC SYSTEM

---

VOLTAGE	24 VOLTS
BATTERY CAPACITY (X2)	100 AH
BATTERY VOLTAGE (X2)	12V

### ELECTRICAL SYSTEM - INCLUDES

---

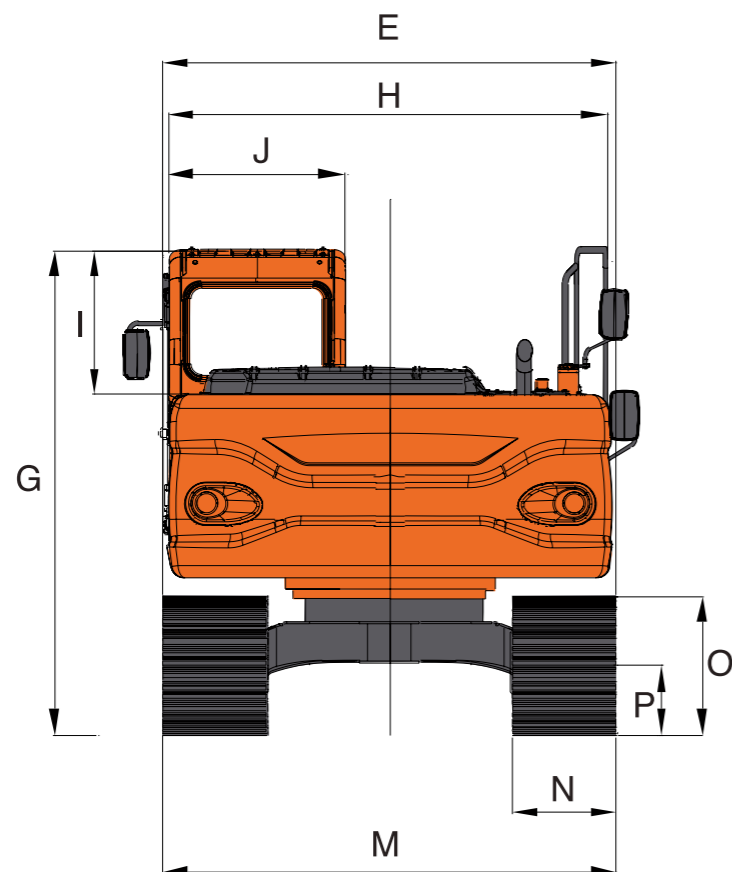
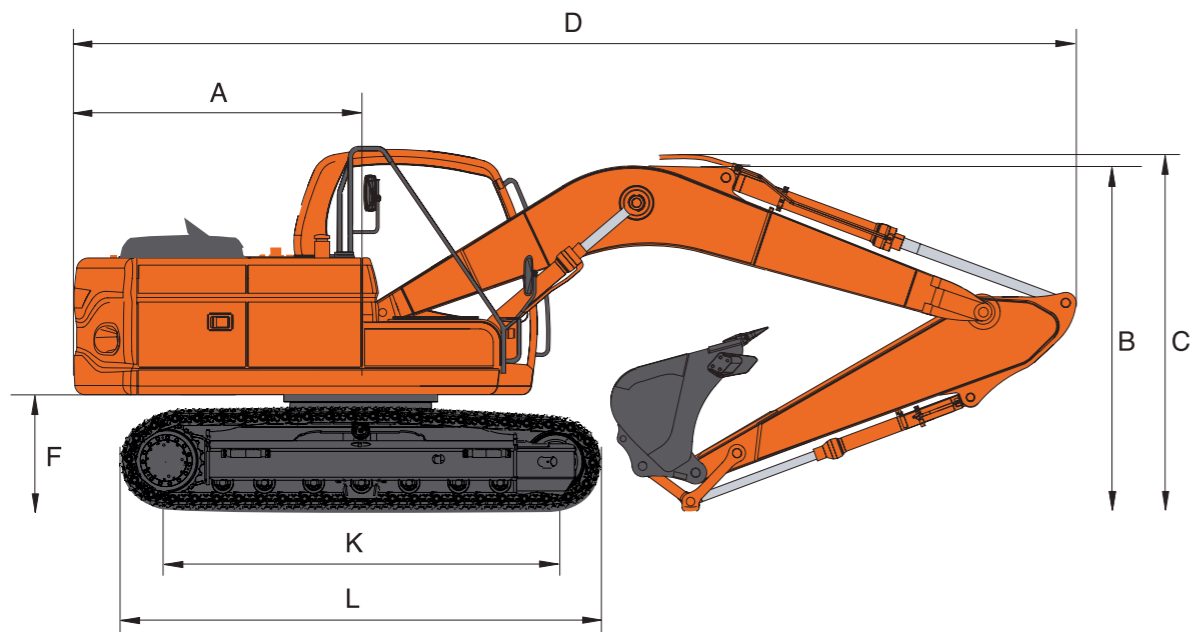
CAB MOUNTED WORK LIGHTS	INCLUDES
ELECTRIC HORN	INCLUDES
BACKUP ALARM	INCLUDES

## INSTRUMENTS

---

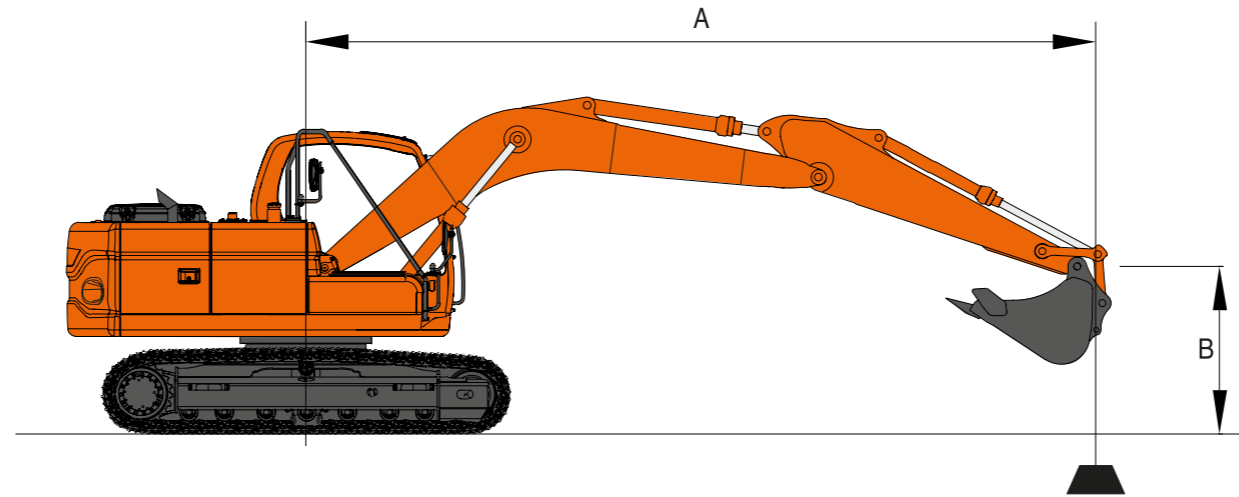
FUEL LEVEL	INCLUDES
ENGINE TEMPERATURE GAUGE	INCLUDES
HYDRAULIC OIL TEMPERATURE GAUGE	INCLUDES
BATTERY CHARGE INDICATOR	INCLUDES
HOUR METER	INCLUDES
ENGINE REV TACHOMETER	INCLUDES

# DIMENSIONS



Overall	L1	Overall Length		mm	9,570	
	H1	Overall Height		Boom	mm	2,890
				Hose	mm	3,005
				Cabin	mm	2,980
				Hand/Guard Rail	mm	3,190
	W1	Overall Width		mm	2,990	
	L2 (R1)	Rear Swing Radius		mm	2,909	
H2	Ground Clearance*		mm	*450.5		
Swing Body	W2	House Width		mm	2,710	
	W3	Cabin Width		mm	1,010	
	H3	Height Over Cover		mm	2,140	
	H4	Counterweight Clearance*		mm	*1,066	
Undercarriage	H5	Track Height*		mm	*883	
	L3	Track Length		mm	4,445	
	L4	Tumbler Distance		mm	3,650	
	W4	Track Gauge		mm	2,390	
	W5	Undercarriage Width	STD	mm	2,990	
	W6	Shoe Width		mm	600	
		Grouser Height		mm	26	

# LIFTING CAPACITY



BOOM: 5700 MM – ARM: 2900 MM – BUCKET: 1.08 M<sup>3</sup> , SHOES: 800 MM TRIPLE GROUSER UNITS: 1000 KG

A(m) \ B(m)	2		3		4		5		6		7		8		9		Max. Reach		A(m)	
8																		*3.42	*3.42	5.94
7																		*3.31	*3.31	6.85
6									*4.53	*4.53	*4.39	3.94			*4.53		*3.30	*3.30	7.51	
5									*4.87	*4.87	*4.69	3.89			*4.87		*3.36	3.08	7.99	
4							*5.95	*5.95	*5.37	4.92	*4.99	3.82	*4.50	30.4	*5.37		*3.48	2.83	8.32	
3			*11.94	*11.94	*8.57	*8.57	*6.92	6.34	*5.97	4.76	*5.36	3.72	4.81	2.98	*5.97		*3.65	2.67	8.52	
2			*7.08	*7.08	*10.19	8.57	*7.89	6.09	*6.58	4.61	*5.75	3.63	4.75	2.93	*6.58		*3.89	2.59	8.60	
1			*5.62	*5.62	*11.36	8.24	*8.69	5.88	*7.11	4.48	5.78	3.54	4.69	2.87	*7.11		4.22	2.58	8.56	
0 (Ground)	*3.08	*3.08	*6.66	*6.66	*11.94	8.06	*9.21	5.74	7.26	4.38	5.70	3.47	4.64	2.83	7.26		4.31	2.63	8.40	
-1	*5.53	*5.53	*8.59	*8.59	*12.03	7.98	*9.41	5.66	7.19	4.32	5.66	3.43	4.62	2.81	7.19		4.53	2.75	8.11	
-2	*7.92	*7.92	*11.11	*11.11	*11.71	7.98	*9.28	5.64	7.16	4.29	5.65	3.42			7.16		4.91	2.99	7.69	
-3	*10.58	*10.58	*14.12	13.22	*10.99	8.04	*8.81	5.66	7.19	4.31	5.68	3.45			7.19		5.57	3.39	7.09	
-4	*13.78	*13.78	*12.36	*12.36	*9.77	8.15	*7.86	5.74	*6.29	4.39					*6.29		*5.86	4.11	6.28	
-5			*9.77	*9.77	*7.80	*7.80	*6.10	5.90									*5.85	5.65	5.15	

1. FORCE RATINGS ARE BASED ON SAE J1097 STANDARD.

2. THE LOAD POINT IS THE HOOK AT THE REAR OF THE BUCKET.

3. \* = RATED HEADS ARE BASED ON HYDRAULIC CAPACITY.

4. RATED LOADS DO NOT EXCEED 87% OF HYDRAULIC CAPACITY OR 75% OF SWING CAPACITY.

## TOOLS (1 KIT PER ROAD TEAM, EXCAVATOR)

---

HYDRAULIC BOTTLE JACK

15 TONS  
ACTION LEVER  
JACK KEY

---

TOOLBOX

PLIERS  
SCREWDRIVER  
PHILLIPS SCREWDRIVER  
10" SPANNER  
COMBINATION WRENCHES (10 TO 23)MM

---

EXTINGUISHER

PQS TYPE  
CLASS A,B,C FIRES  
10KG

---

FIRST AID KIT

RUBBING ALCOHOL  
HYDROGEN PEROXIDE  
POROUS ADHESIVE TAPE  
GAUZE  
COTTON  
BANDAGE (1 TRIANGULAR - 1 LONGITUDINAL)  
SCISSORS  
ANALGESICS (PARACETAMOL-IBUPROFEN)  
GLOVES

---

FLASHLIGHT

LED TYPE

---

SAFETY TRIANGLES

2 UNITS  
50 CM EACH SIDE  
FLUORESCENT SURFACE  
ABS MATERIAL  
RED REFLECTIVE PLATE  
POLYETHYLENE BASE (WEIGHT 2KG)

