



EXCAVATOR

DX 140 LC



CRAWLER EXCAVATOR

AMOUNT	1
BRAND	YANWA
MODEL	DX 140 LC
ORIGIN	CHINA
YEAR	2023
OPERATIONAL WEIGHT	14200KG

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-C130
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	130 HP (SAE STANDARD)
OPERATING REGIME	2200RPM
MAXIMUM TORQUE	560NM
FUEL TANK CAPACITY	280LT
EMISSIONS	TIER III
REFRIGERATION	BY WATER

HYDRAULIC SYSTEM

VARIABLE FLOW PISTON PUMP (X2)	
MAIN SYSTEM: MAXIMUM FLOW (2 PUMPS)	272 L/MIN
MAXIMUM PRESSURE - EQUIPMENT NORMAL (IMPLEMENTS)	5076PSI
MAXIMUM PRESSURE: EQUIPMENT - PILOT MODE)	599PSI
POWER MODE	5400PSI
MAXIMUM PRESSURE - DISPLACEMENT	324PSI
MAXIMUM PRESSURE - TWIST	3481PSI
CYLINDERS	BORE X ROD DIAMETER X STROKE
BOOM CYLINDER (2)	110X75X1085MM
ARM CYLINDER	115X80X1108MM
BUCKET CYLINDER	100X70X900MM

UNDERCARRIAGE

NUMBER OF FOOTINGS (EACH SIDE)	46
NUMBER OF TRACK/LOWER ROLLERS (EACH SIDE)	7
NUMBER OF CARRIER/CARRIER ROLLERS(EACH SIDE)	2
WIDTH OF SHOES, TRIPLE GROUSER	700MM
UNDERCARRIAGE LENGTH	3755MM
GROUND PRESSURE	0.30KG/CM ²

TRANSMISSION

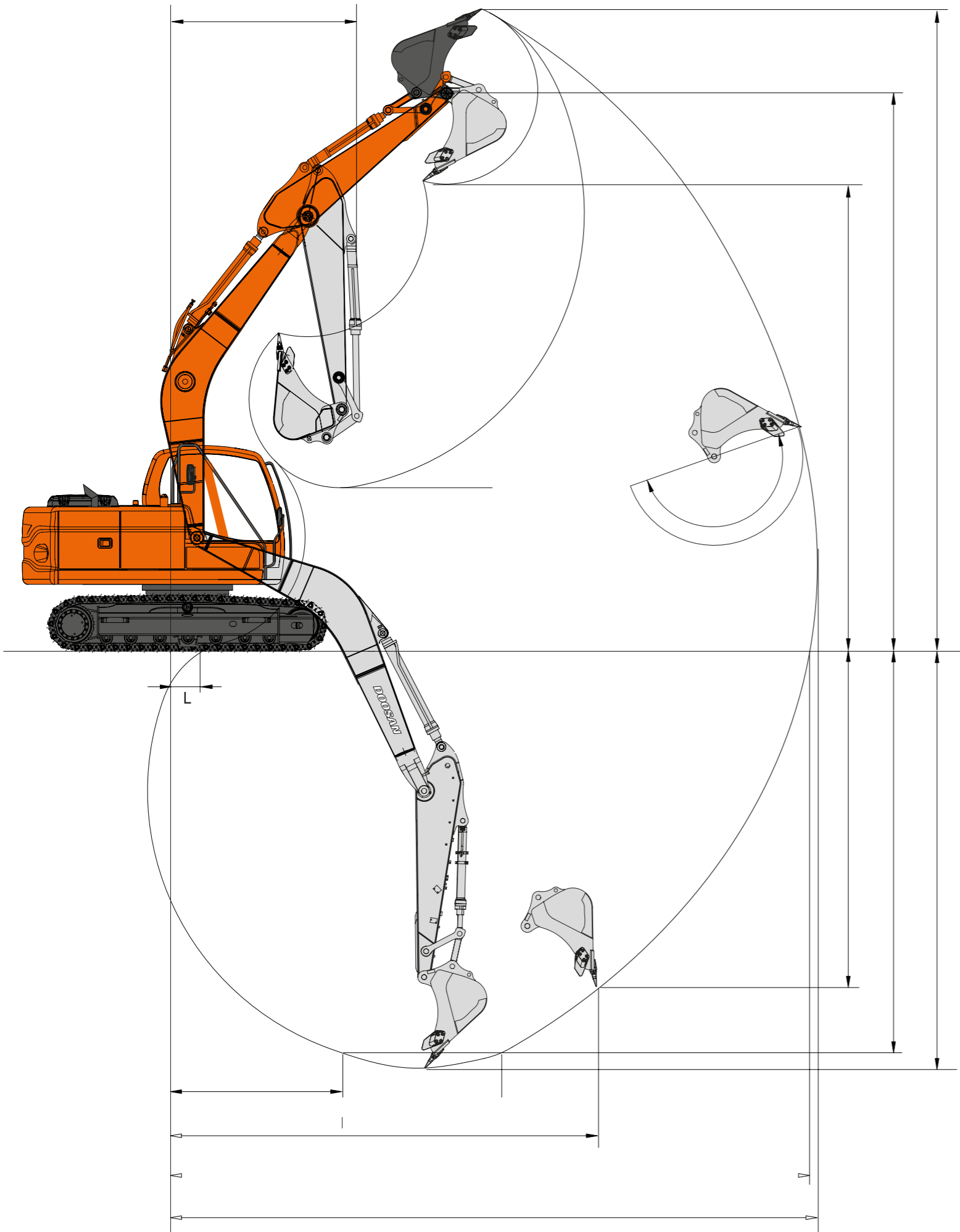
TYPE	HYDROSTATIC
SPEEDS (2 SPEEDS)	FORWARD (FAST/SLOW) / BACKWARD (FAST/SLOW)
TRAVEL SPEED (FAST/SLOW)	4.7KM/H / 3KM/H
HILL CLIMBING	35°/70%
DRAWBAR	13000 KGF

TURNING MECHANISM

TURNING SPEED	11.5RPM
MAXIMUM TORQUE	82KN*M

DIGGING FORCES (SAE)

BUCKET DIGGING FORCE (NOMINAL)	24,471.3 LBF / 11,100 KGF / 109 KN
ARM DIGGING FORCE (NOMINAL)	14330 LBF / 6500 KGF /64 KN



OPERATING RANGES

ARM - 2500MM	
BOOM - 4600MM	
BUCKET - 0.55 M3	
A. MAX. DIGGING REACH	8300MM
B. MAX. DIGGING REACH AT GROUND LEVEL	8156MM
C. MAX. DIGGING DEPTH	5645MM
D. MAX. DUMP HEIGHT	6300MM
E. MIN. DUMP HEIGHT	2166MM
F. MAX. DIGGING HEIGHT	8675MM
G. MAX. BUCKET PIN HEIGHT	7535MM
H. MAX. VERTICAL WALL HEIGHT	4560MM
I. MAX. VERTICAL RADIUS	5555MM
J. MAX. DIGGING DEPTH (8 FT LEVEL)	5420MM
K. MIN. 8' RADIUS LINE	1960MM
L. MIN. DIGGING REACH	265MM
M. MIN. TURNING RADIUS	2375MM
D. BUCKET ANGLE (DEGREES)	175°

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 DX140LC, 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

- ✿ 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	280LT
REFRIGERATION SYSTEM	20 LITERS
ROTATION CONTROL	3.8LT
FINAL DRIVE (EACH)	3 LITERS
HYDRAULIC RESERVOIR	150LT
HYDRAULIC SYSTEM	200 LITERS

ELECTRIC SYSTEM

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

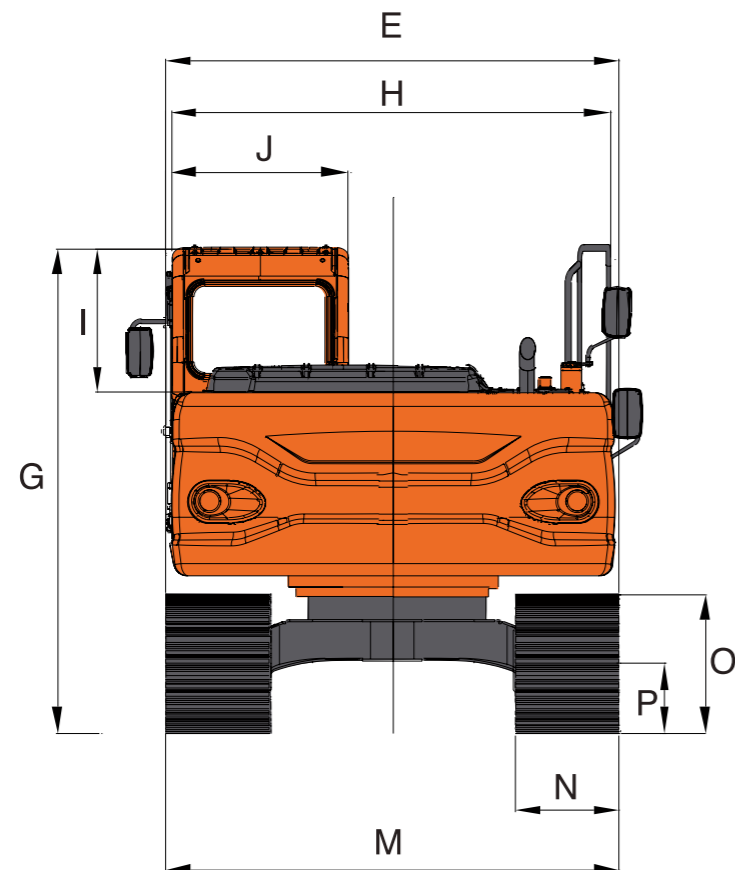
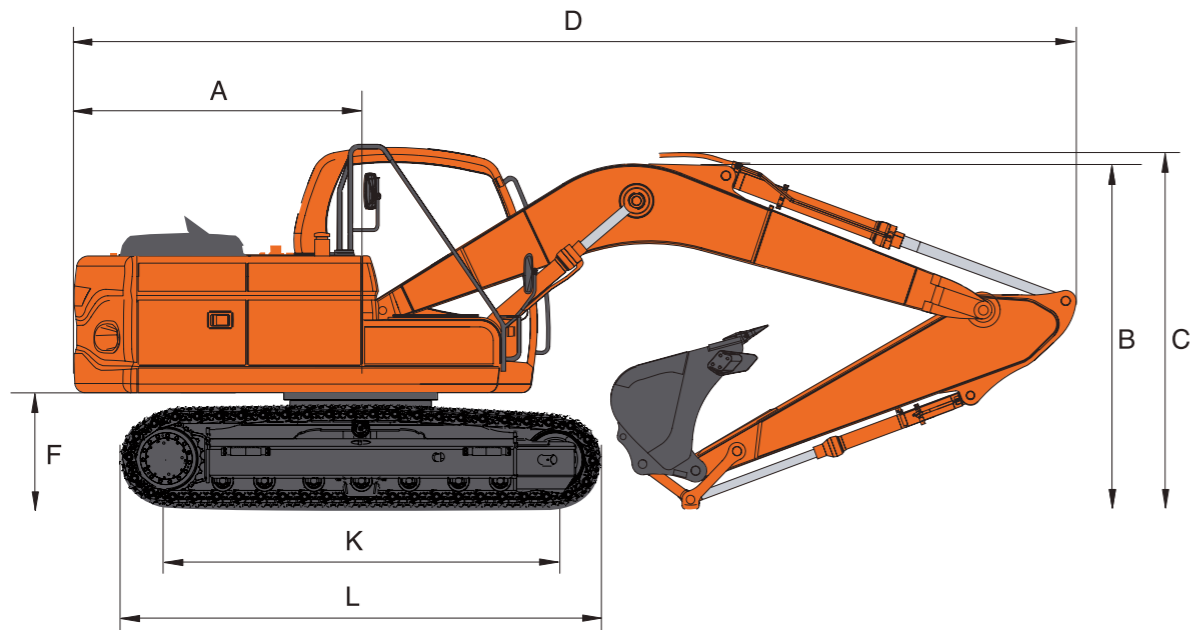
ELECTRICAL SYSTEM - INCLUDES

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

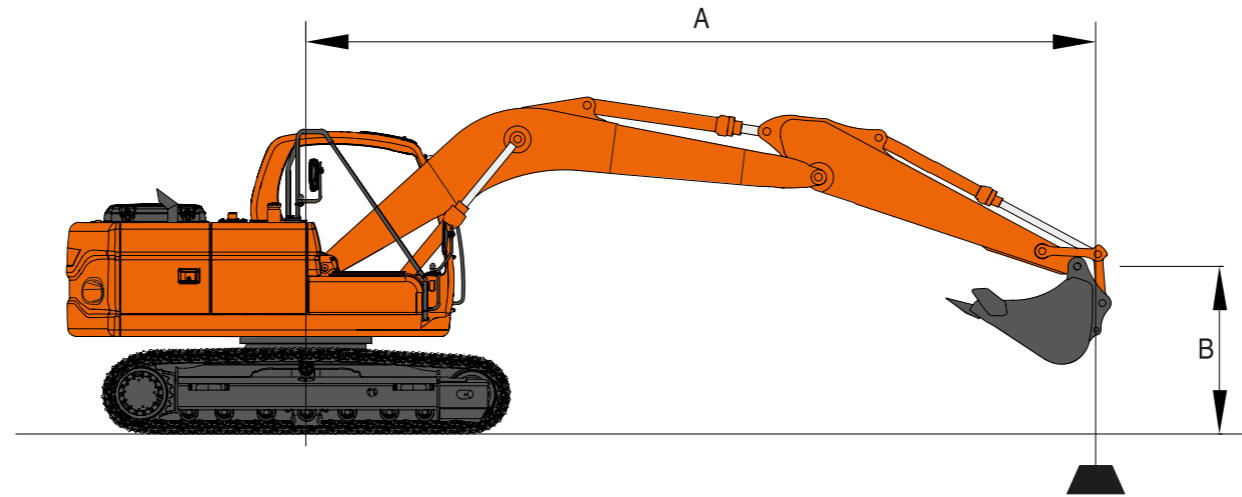
DIMENSIONS



DIMENSIONS

H OVERALL WIDTH OF UPPER STRUCTURE	2540MM
J OVERAL WIDTH OF CABIN	960MM
G OVERALL HEIGHT OF CABIN	2773MM
A TAIL SWING RADIUS	2200MM
C OVERALL HEIGHT (2.5 M3)	2710MM
F CLEARANCE UNDER COUNTERWEIGHT	894MM
P GROUND CLEARANCE	410MM
K TUMBLER DISTANCE	3034MM
L TRACK LENGTH	3755MM
N TRACK SHOE WIDTH	700MM
D OVERALL LENGTH	7680MM
M OVERALL WIDTH	2590MM

LIFTING CAPACITY



BOOM: 4600 MM – ARM: 2500 MM – BUCKET: 0.55 M3 , SHOES: 700 MM TRIPLE GROUSER

A (m) B (m)	2		3		4		5		6		Max. Reach		
													A(m)
7					*3,73	*3,73					*2,88	*2,88	4,24
6					*3,39	*3,39	*3,59	2,92			*2,45	*2,45	5,32
5					*3,61	*3,61	*3,72	2,94	*2,57	2,11	*2,25	2,08	6,04
4			*4,25	*4,25	*4,31	4,22	*4,05	2,92	3,42	2,13	*2,17	1,81	6,53
3					*5,38	4,11	*4,61	2,87	3,40	2,11	*2,16	1,66	6,83
2					*6,57	3,99	4,55	2,80	3,37	2,08	*2,20	1,59	6,98
1					6,52	3,88	4,48	2,75	3,33	2,05	*2,29	1,58	6,97
o (ground)					6,45	3,82	4,44	2,70	3,31	2,03	*2,45	1,64	6,82
-1			*6,07	6,04	6,42	3,79	4,41	2,68	3,30	2,02	*2,71	1,77	6,51
-2	*5,42	*5,42	*9,89	6,08	6,43	3,80	4,42	2,69	3,31	2,03	*3,13	2,03	6,01
-3	*9,35	*9,35	*9,47	6,15	6,47	3,84	4,46	2,72			4,15	2,54	5,24
-4			*7,27	6,27	*5,01	3,94					*4,55	3,74	4,14
-5											*2,88	*2,88	4,24

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)

