



YANWA
YW3.8M





EXCAVATOR

BRAND YANWA

MODEL YW3.8M

ORIGIN CHINA

YEAR 2023

OPERATIONAL WEIGHT 22200KG

CABIN

TYPE CLOSED SOUNDPROOF

INCLUDES A/C
ADJUSTABLE SEAT
SEAT BELT
REAR VIEW MIRRORS
ANTI VANDALISM LOCKS

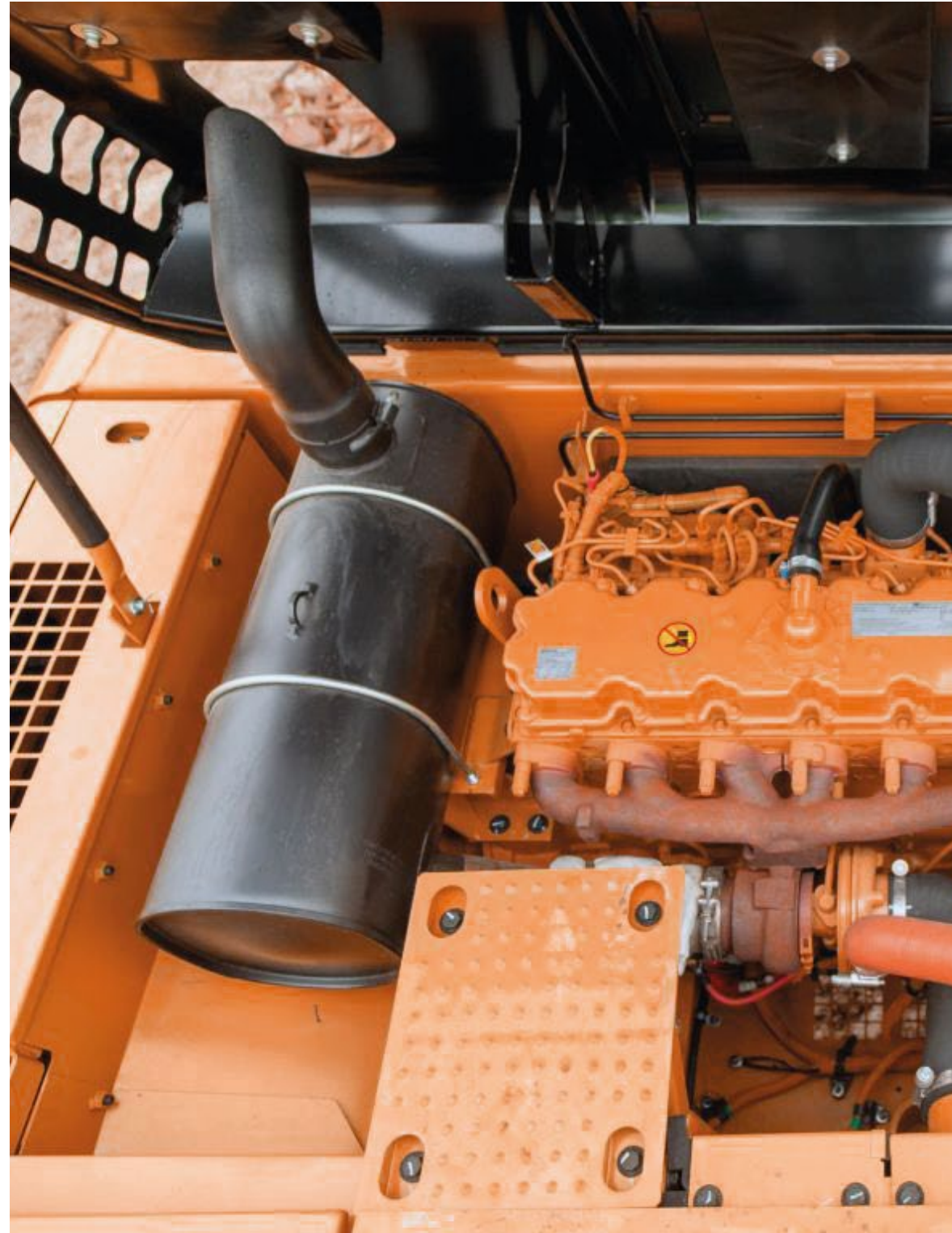
NOISE INSIDE THE CABIN 70DB(A)

NOISE OUTSIDE THE CABIN 99DB(A)

ACCESSORIES

HYDRAULIC LINE FOR HAMMER INCLUDES

MAXIMUM RIM PULL - 205 KN
LONG UNDERCARRIAGE (45,996 LBF)





ENGINE

BRAND	YANWA
MODEL	6YM5.0
CYLINDERS	6 IN LINE
COMBUSTION	INTERNAL 4 TIMES
FUEL	DIESEL
FEEDING SYSTEM	TURBO CHARGER WITH AFTERCOOLING
CYLINDER CAPACITY	5000CC
NET POWER	172 HP
OPERATING REGIME	2000RPM
TORQUE	677 NM @ 1600RPM
FUEL TANK CAPACITY	400LT
EMISSIONS	TIER III

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

DASHBOARD

EQUIPMENT CONTROLS	INCLUDES
INDICATOR LIGHTS (ALERT)	INCLUDES
TACHOMETER	INCLUDES
HYDROMETER	INCLUDES
HOUR METER	INCLUDES
SPEEDOMETER	INCLUDES
TEMPERATURE METER	INCLUDES
WARNING LIGHTS	INCLUDES

LADLE

BUCKET CAPACITY	1.19 M3 (1.56 YD3)
BUCKET TIP RADIUS	1570MM (5'2")

TURNING MECHANISM

TURNING SPEED	11.25RPM
MAXIMUM TORQUE	82 KN*M / 60300 LBF-FT





OPERATING RANGES

REACH ARM - 2930MM

DIGGING DEPTH	6720MM
MAXIMUM HORIZONTAL REACH AT GROUND LEVEL	9860MM
MAXIMUM CUTTING/DIGGING HEIGHT	9945MM
MAXIMUM LOADING HEIGHT	6490MM
MINIMUM LOADING HEIGHT	2170MM
MAXIMUM DEPTH OF CUT TO OBTAIN A HORIZONTAL BOTTOM OF 2440 MM (8'0")	6550MM
MAXIMUM DIGGING DEPTH ON A VERTICAL FACE	5,190MM
BUCKET DIGGING FORCE (ISO)	15336 KGF /150 KN / 33811 LBF
STICK DIGGING FORCE (ISO)	10846 KGF / 106 KN / 23911 LBF
BUCKET DIGGING FORCE (ISO) - DIGGING REINFORCEMENT	16651 KGF / 163 KN / 36709 LBF
STICK DIGGING FORCE (ISO) - DIGGING REINFORCEMENT	11775 KGF / 115 KN / 25960 LBF

CHAIN

CHAIN SYSTEM	SEALED WITH LUBRICATION
NUMBER OF FOOTINGS (EACH SIDE)	49
NUMBER OF TRACK/LOWER ROLLERS (EACH SIDE)	8
NUMBER OF CARRIER/CARRIER ROLLERS (EACH SIDE)	2
TRACK SHOE WIDTH	700MM (28 IN)

HYDRAULIC SYSTEM

VARIABLE FLOW PISTON PUMP (X2)

MAIN SYSTEM - MAXIMUM FLOW	460 L/MIN(230 L/MIN × 2 PUMPS)
MAIN SYSTEM - MAXIMUM FLOW	460 L/MIN(230 L/MIN × 2 PUMPS)
MAXIMUM PRESSURE - EQUIPMENT - NORMAL	357 KGF/CM2 (35000 KPA)
MAXIMUM PRESSURE - EQUIPMENT - HEAVY LIFT MODE/AUTO DIG BOOST	387 KGF/CM2 (38000 KPA)
MAXIMUM PRESSURE - DISPLACE- MENT	350 KGF/CM2 (34300 KPA)
MAXIMUM PRESSURE - TWIST	285 KGF/CM2 (27900 KPA)
BOOM CYLINDER - BORE	120MM (5 IN)
ROCKER ARM CYLINDER - BORE	120MM (5 IN)
STICK CYLINDER - STROKE	1,504MM (59 IN)
BUCKET CYLINDER - BORE	120MM (5 IN)





PESOS

OPERATING WEIGHT 22,200 KG /49,000 LBS.

GROUND PRESSURE 39.6KPA (5.7PSI)

WEIGHT IS ESTIMATED WITH THE FOLLOWING ITEMS ATTACHED: REACH BOOM, 2960 MM STICK, 1.19 M3 (1.56 YD3) BUCKET, 700 MM (28 IN) TRIPLE GROUSER SHOES, 4.2 TN (9,300 LBS.).

TRANSMISSION

HILL CLIMBING 35°/70%

TRAVEL SPEED 5.7KM/H (3.5MPH)

MAXIMUM RIM PULL -
LONG UNDERCARRIAGE 205 KN (45,996 LBF)

SERVICE FILLING CAPACITY

FUEL TANK CAPACITY 400 LITERS (105.6 GAL)

REFRIGERATION SYSTEM 25 LITERS (6.6 GAL)

ROTATION CONTROL 12 LITERS (3.2 GAL)

FINAL DRIVE (EACH) 4 LITERS (1.1 GAL)

HYDRAULIC SYSTEM
(INCLUDING TANK) 234 LITERS (61.8 GAL)

HYDRAULIC RESERVOIR 115 LITERS (30.4 GAL)

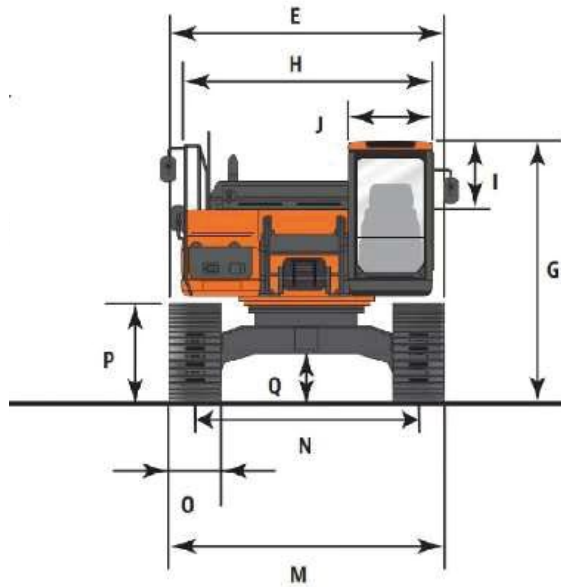
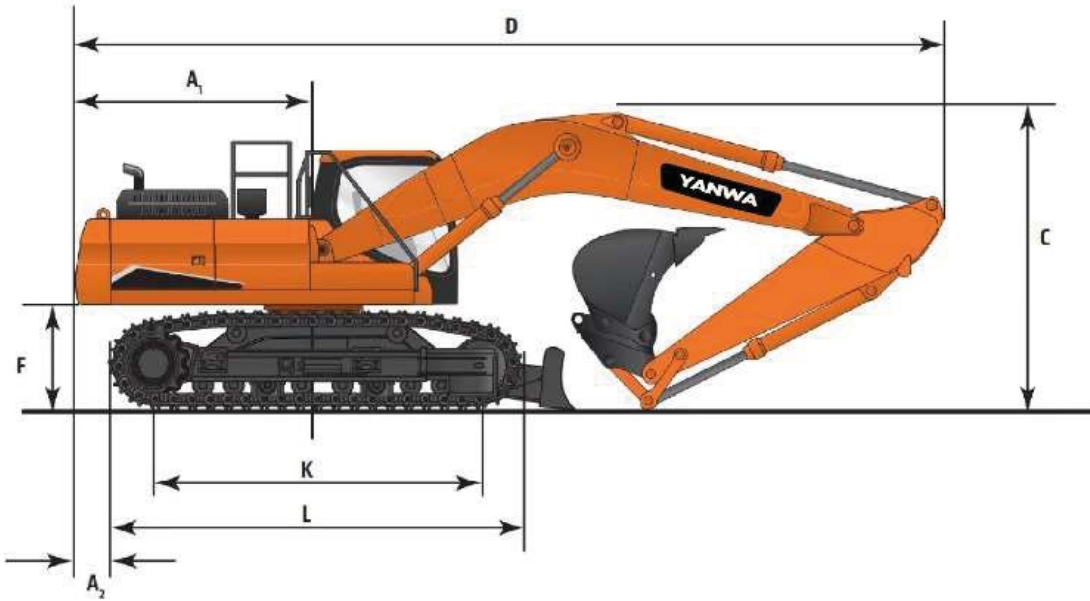
DIESEL EXHAUST FLUID (DEF) TANK 39 LITERS (10.3 GAL)

DIMENSIONS

BOOM LENGTH	5.7M (18'8")
REACH ROCKER	2960MM (9'6")
CABIN HEIGHT	2960MM (9'9")
TOTAL HEIGHT	3100MM (10'2")
HEIGHT WITH BOOM/STICK/BUCKET INSTALLED	3160MM (10'4")
HEIGHT WITH BOOM/STICK INSTALLED	2910MM (9'7")
HEIGHT WITH BOOM INSTALLED	2480MM (8'2")
LENGTH WITH BOOM/STICK/BUCKET INSTALLED	2480MM (8'2")
LENGTH WITH BOOM/STICK INSTALLED	9500MM (31'2")
BOOM INSTALLED LENGTH	8450MM (27'9")
WIDTH OF THE UPPER FRAME	2780MM (9'1")
TAIL GYRATION RADIUS	2830MM (9'3")
CLEARANCE FROM COUNTERWEIGHT	1050MM (3'5")
CLEARANCE FROM COUNTERWEIGHT	1050MM (3'5")
GROUND CLEARANCE	470MM (1'7")
CHAIN LENGTH	4450MM (14'7")
DISTANCE BETWEEN THE CENTERS OF THE ROLLERS	3650MM (12'0")
TRACK WIDTH	2380MM (7'9")
UNDERCARRIAGE WIDTH (700 MM/28 IN. SHOES)	3080MM (10'1")



STANDARD ARM



BOOM LENGTH	
ARM LENGTH	
BUCKET TYPE (SAE)	
TRACK TYPE	
TAIL SWING RADIUS	A1
TAIL SWING OVERHANG (REAR)	A2
SHIPPING HEIGHT (HOSE)	C
SHIPPING LENGTH	D
SHIPPING WIDTH	E
COUNTERWEIGHT CLEARANCE	F
CABIN HEIGHT	G
UPPER STRUCTURE WIDTH	H
CABIN HEIGHT ABOVE HOUSE	I
CABIN WIDTH	J
TUMBLER DISTANCE	K
OVERALL TRACK LENGTH	L
UNDERCARRIAGE WIDTH	M
TRACK GAUGE WIDTH	N
TRACK SHOE WIDTH	O
TRACK HEIGHT	P
CAR BODY CLEARANCE	Q

STANDARD ARM

BOOM LENGTH

ARM LENGTH

BUCKET TYPE (SAE)
PCSA

MAX. DIGGING REACH

MAX. DIGGING REACH (GROUND)

MAX. DIGGING DEPTH

MAX. LOADING HEIGHT

MIN. LOADING HEIGHT

MAX. DIGGING HEIGHT

MAX. BUCKET PIN HEIGHT

MAX. VERTICAL WALL DEPTH

MAX. RADIUS VERTICAL

MAX. DEPTH TO 8' LINE

MIN. RADIUS 8' LINE

MIN. DIGGING REACH

3

A

B

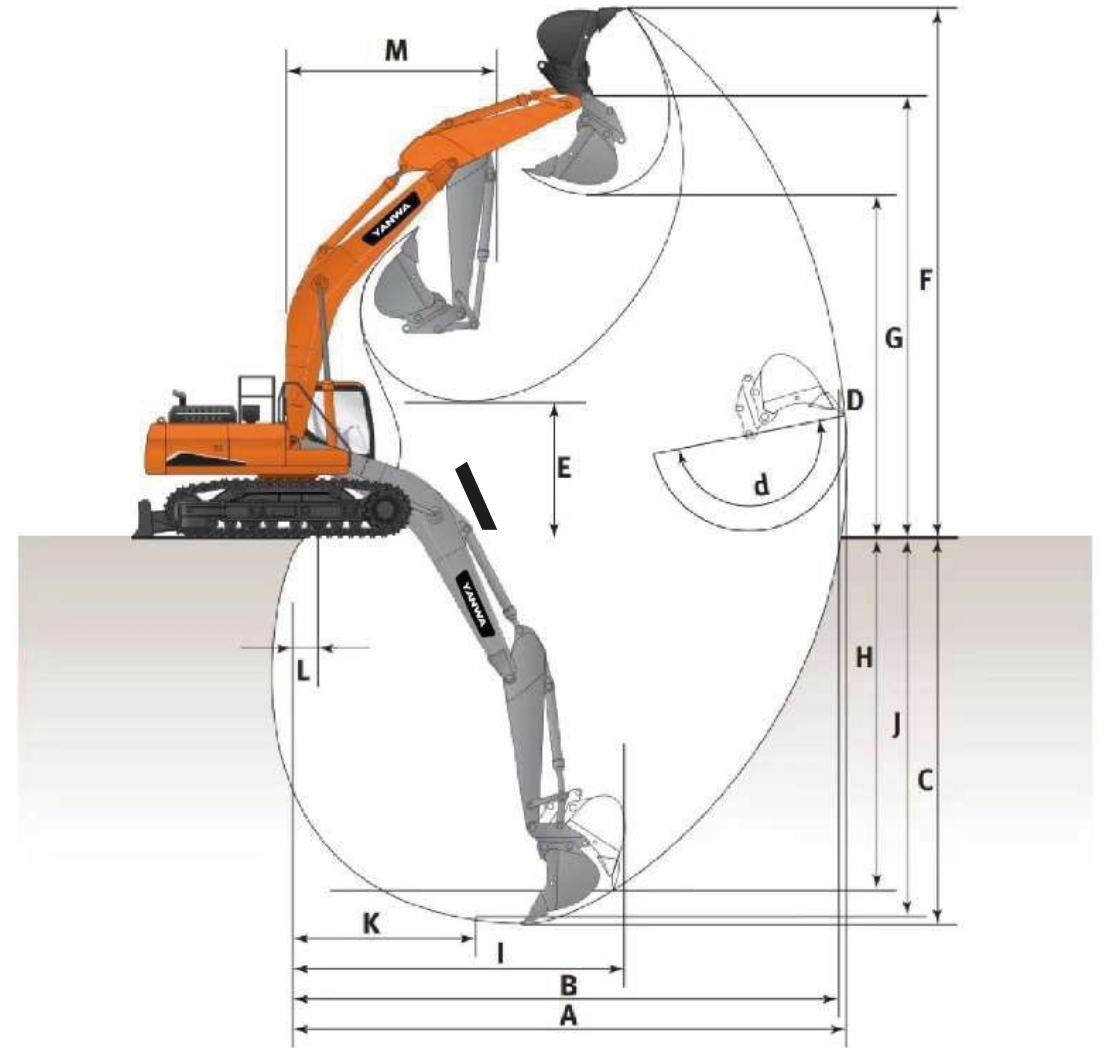
C

D

E

F

F



BACKHOE TOOLS

HYDRAULIC BOTTLE JACK

15 TON
ACTION LEVER
JACK KEY

TYPE I WHEEL WRENCH

32X30
FORCE LEVER

WHEEL LOCK STUDS
(2 UNITS)

POLYURETHANE
6,2 KG
39,4X21,6X21 CM (LXAXH)

TOOLBOX

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

EXTINGUISHER

PQS TYPE
CLASS A,B,C FIRES
10 KG

MEDICINE CABINET

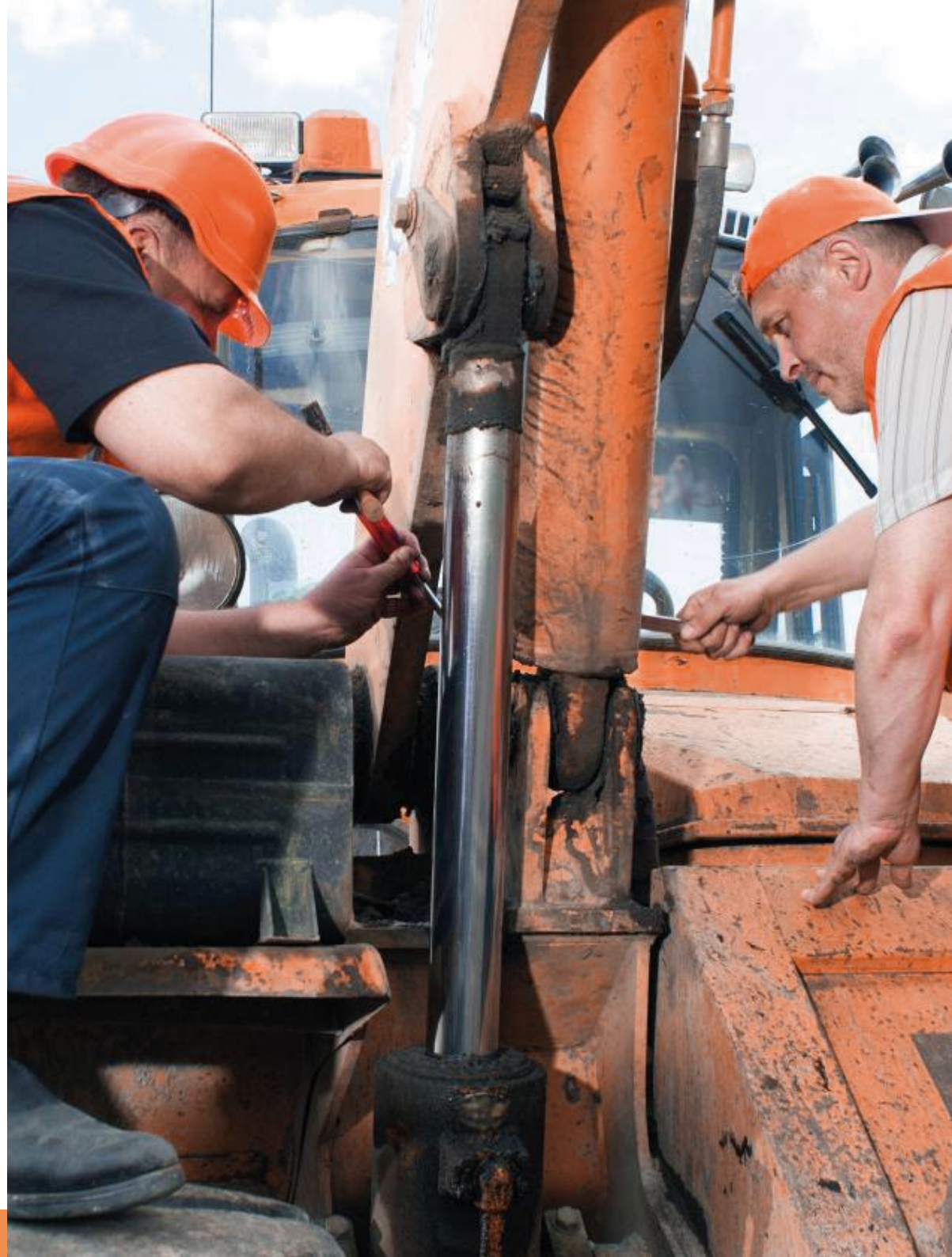
ANTISEPTIC ALCOHOL
OXYGENATED WATER
POROUS ADHESIVE TAPE
GAUZE
COTTON
BANDAGE (1 TRIANGULAR
-1 LONGITUDINAL)
SCISSORS
ANALGESICS (PARACETAMO
IBUPROFEN)
GLOVES

FLASHLIGHT

LED TYPE

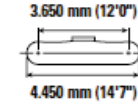
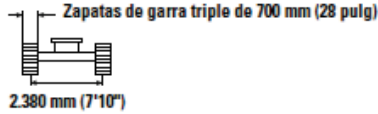
SAFETY TRIANGLES 2 UNITS

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





Reach Boom Lift Capacities – Counterweight: 4.2 mt (9,300 lb) – without Bucket, Heavy Lift: On



		1500mm/60in		3000mm/120in		4500mm/180in		6000mm/240in		7500mm/300in		mm in		
7500mm 300 in.	kg lbs							*4950	*4950			*4300 *9550	*4300 *9550	6150 240
6000mm 240 in.	kg lbs							*5450 *11950	*5450 11750			*400 *8800	*4000 *8800	7290 290
4500mm 180 in.	kg lbs							*6000 *13000	5350 11450	*5650 *12350	3750 8100	*3900 *8600	3400 7500	7990 320
3000mm 120 in.	kg lbs					*8700 *18750	7750 16650	*6850 *14900	5100 10950	5650 12150	3700 7900	*4000 *8800	3100 6850	8360 330
1500mm 60 in.	kg lbs					*10550 *22800	7250 15600	7700 16550	4850 10450	5550 11900	3500 7650	*4250 *9350	3000 6600	8450 340
0mm 0 in	kg lbs			*6600 *15200	*6600 *15200	*11600 *25050	6950 15000	7500 16150	4700 10100	5450 11700	3500 7450	*4700 *10350	3050 6700	8260 330
-1500mm -60 in.	kg lbs	*7100 *15800	*7100 *15800	*11400 *25900	*11400 *25900	*11700 *25200	6900 14800	7450 16000	4600 9950	5400 11650	3450 7550	5150 11350	3300 7250	7780 310
-3000mm -120 in.	kg lbs	*12100 *27150	*12100 *27150	*15500 *33600	*13400 28650	*10950 *23700	6950 14950	7450 16100	4650 10000			6100 13500	3850 8550	6950 280
-4500mm -180 in.	kg lbs			*12400 *26550	*12400 *26550	*8950 *19000	7150 15400					*6750 *14850	5300 11950	5600 220

* INDICATES LOAD IS LIMITED BY HYDRAULIC LIFT CAPACITY RATHER THAN TIPPING LOAD. THE ABOVE LOADS MEET ISO 10567:2007 HYDRAULIC EXCAVATOR LIFTING CAPACITY STANDARD. THEY DO NOT EXCEED 87% OF THE HYDRAULIC LIFTING CAPACITY* OR 75% OF THE TIPPING LOAD. THE WEIGHT OF ALL LIFTING ACCESSORIES MUST BE SUBTRACTED FROM THE ABOVE LIFTING CAPACITIES. LIFT CAPACITIES ARE BASED ON POSITIONING THE MACHINE ON A FIRM, LEVEL SURFACE. USING AN IMPLEMENT HITCH POINT TO HANDLE/LIFT OBJECTS COULD AFFECT THE LIFTING PERFORMANCE OF THE MACHINE.

