



EXCAVATOR



YW140T-EX



EXCAVATOR

AMOUNT	2
BRAND	YANWA
MODEL	YW140T-EX
ORIGIN	CHINA
YEAR	2023
OPERATIONAL WEIGHT	13500KG

CABIN

TYPE	CLOSED SOUNDPROOF WITH OPERATOR PROTECTION STRUCTURE (OPS) (SET OF STRUCTURAL ELEMENTS FOR OPERATOR PROTECTION – GRILLES), WITH ADJUSTABLE SEAT AND SEAT BELT, WITH SELF-DIAGNOSTIC SYSTEM THAT ALLOWS OBSERVING FAULT CODES. WITH REAR VIEW MIRRORS AND WIPERS.
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DISPLAY	7 INCH LCD TYPE
A/C	INCLUDES
ADJUSTABLE ERGONOMIC SEAT	INCLUDES
SEAT BELT	INCLUDES
REAR VIEW MIRRORS	INCLUDES
WIPER WASHER	INCLUDES
RADIO	INCLUDES
WIPER WASHER	INCLUDES
NOISE INSIDE THE CABIN	70DB(A)
NOISE OUTSIDE THE CABIN	99DB(A)



ENGINE

BRAND	YANWA
MODEL	YWA3.9-E
TYPE	4 STROKE TURBO POWERED WITH ITERCOOLER
GROSS POWER	135HP
NET POWER	125HP
OPERATING REGIME	2200RPM
DISPLACEMENT	4.5L
TORQUE	48.94KGF/M
EMISSIONS SYSTEM	TIER 2
CYLINDER CAPACITY	3900CC
MAXIMUM TORQUE	632NM AT 1500RPM
NUMBER OF CYLINDERS	4 IN LINE
INJECTION SYSTEM	DIRECT (COMMON RAIL)
AIR SUPPLY	TURBOCHARGED (VARIABLE FLOW)
AIR FILTER	DIRECT FLOW
FUEL TANK CAPACITY	240 LITERS
REFRIGERATION	WATER

HYDRAULIC SYSTEM

VARIABLE FLOW TANDEM SHAFT PISTON PUMP (X2)	
MAIN SYSTEM - MAXIMUM FLOW	272 L/MIN (140 L/MIN × 2 PUMPS)
MAXIMUM PRESSURE - EQUIPMENT - NORMAL	5076 PSI (35000 KPA)
PILOT PRESSURE	565.64 PSI (3900 KPA)
MAXIMUM PRESSURE - EQUIPMENT - HEAVY LIFT MODE/AUTO DIG BOOST	387 KGF/CM2 (38000 KPA)
MAXIMUM PRESSURE - DISPLACEMENT	350 KGF/CM2 (34300 KPA)
MAXIMUM PRESSURE - TWIST	285 KGF/CM2 (27900 KPA)
BOOM CYLINDER - BORE	120MM (5 IN)
ROCKER ARM CYLINDER - BORE	140MM (6 IN)
STICK CYLINDER - STROKE	1,504MM (59 IN)
BUCKET CYLINDER - BORE	120MM (5 IN)

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
FUEL LEVEL GAUGE	INCLUDES
ENGINE TEMPERATURE GAUGE	INCLUDES
HYDRAULIC OIL TEMPERATURE GAUGE	INCLUDES
VOLTMETER/ENERGY CHARGE METER	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")
BUCKET BREAKOUT FORCE	92.7KN/20839.79LBF
ARM BREAK FORCE	66 KN/ 14837.40 LBF
BUCKET SIZE	0.5M3HEAVY DUTY, WITH SIDE PROTECTORS, HEEL PADS AND SPIKES FOR ROCK.

TURNING MECHANISM

TURNING SPEED	12RPM
MAXIMUM TORQUE	82 KN*M / 60300 LBF-FT
TAP TYPE	HYDROSTATIC
TURNING MOTOR	FIXED DISPLACEMENT AXIAL PISTON MOTOR
TURN REDUCTION	PLANETARY GEAR
SWING BEARING LUBRICATION	IN GREASE BATH
SWING BRAKE	MULTIPLE WET DISC

OPERATING RANGES

REACH ARM - 2500MM

DIGGING DEPTH	5510MM
MAXIMUM HORIZONTAL REACH AT GROUND LEVEL	9860MM
MAXIMUM CUTTING/DIGGING HEIGHT	8645MM
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MAXIMUM LOADING HEIGHT	6175MM
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
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PESOS

OPERATING WEIGHT	22,200 KG /49,000 LBS.
GROUND PRESSURE	4.12PSI

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.).

CHAIN

CHAIN SYSTEM	SEALED WITH LUBRICATION WITH TRIPLE GROUSER SHOES
NUMBER OF FOOTINGS (EACH SIDE)	49
NUMBER OF TRACK/LOWER ROLLERS (EACH SIDE)	7
NUMBER OF CARRIER/CARRIER ROLLERS(EACH SIDE)	2
TRACK SHOE WIDTH	700MM (28 IN)

TRANSMISSION

HILL CLIMBING	35°/70%
TRAVEL SPEED	5.7KM/H (3.5MPH)
SPEEDS	2 FORWARD / 1 REVERSE
MAXIMUM RIM PULL - LONG UNDERCARRIAGE	205 KN (45,996 LBF)

HYDRAULIC SYSTEM

VARIABLE FLOW TANDEM SHAFT PISTON PUMP (X2)

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DISPLAY	7 INCH LCD TYPE
A/C	INCLUDES
RADIO	INCLUDES
WIPER WASHER	INCLUDES
ADJUSTABLE SEAT	INCLUDES
SEAT BELT	INCLUDES
REAR VIEW MIRRORS	INCLUDES
ANTI VANDALISM LOCKS	INCLUDES
NOISE INSIDE THE CABIN	70DB(A)
NOISE OUTSIDE THE CABIN	99DB(A)

ACCESSORIES

HYDRAULIC LINE FOR HAMMER	INCLUDES
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)

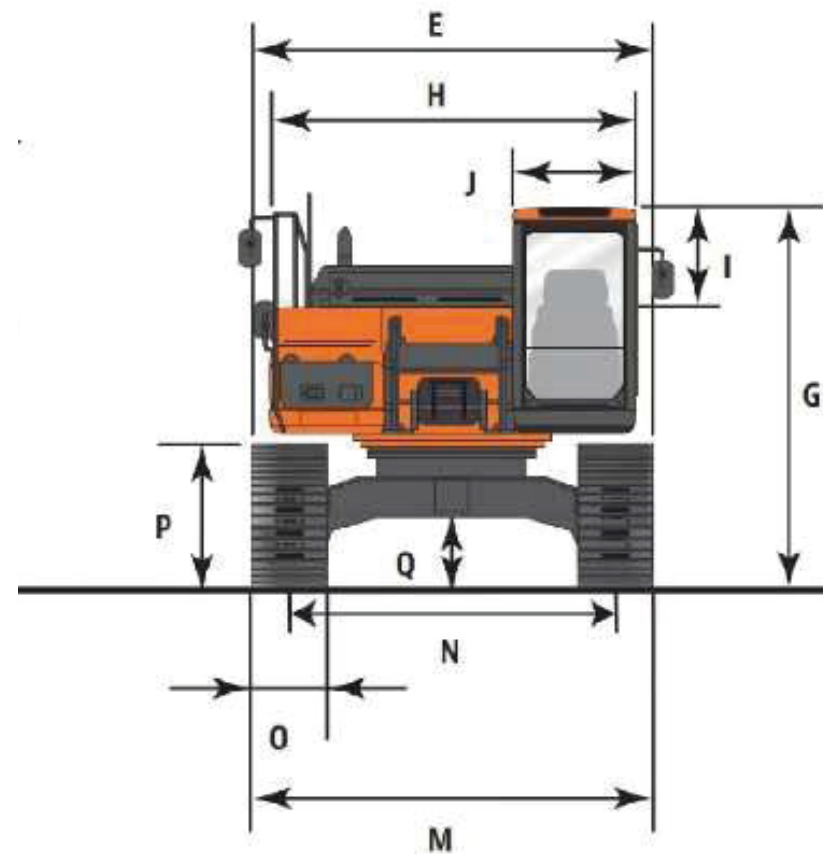
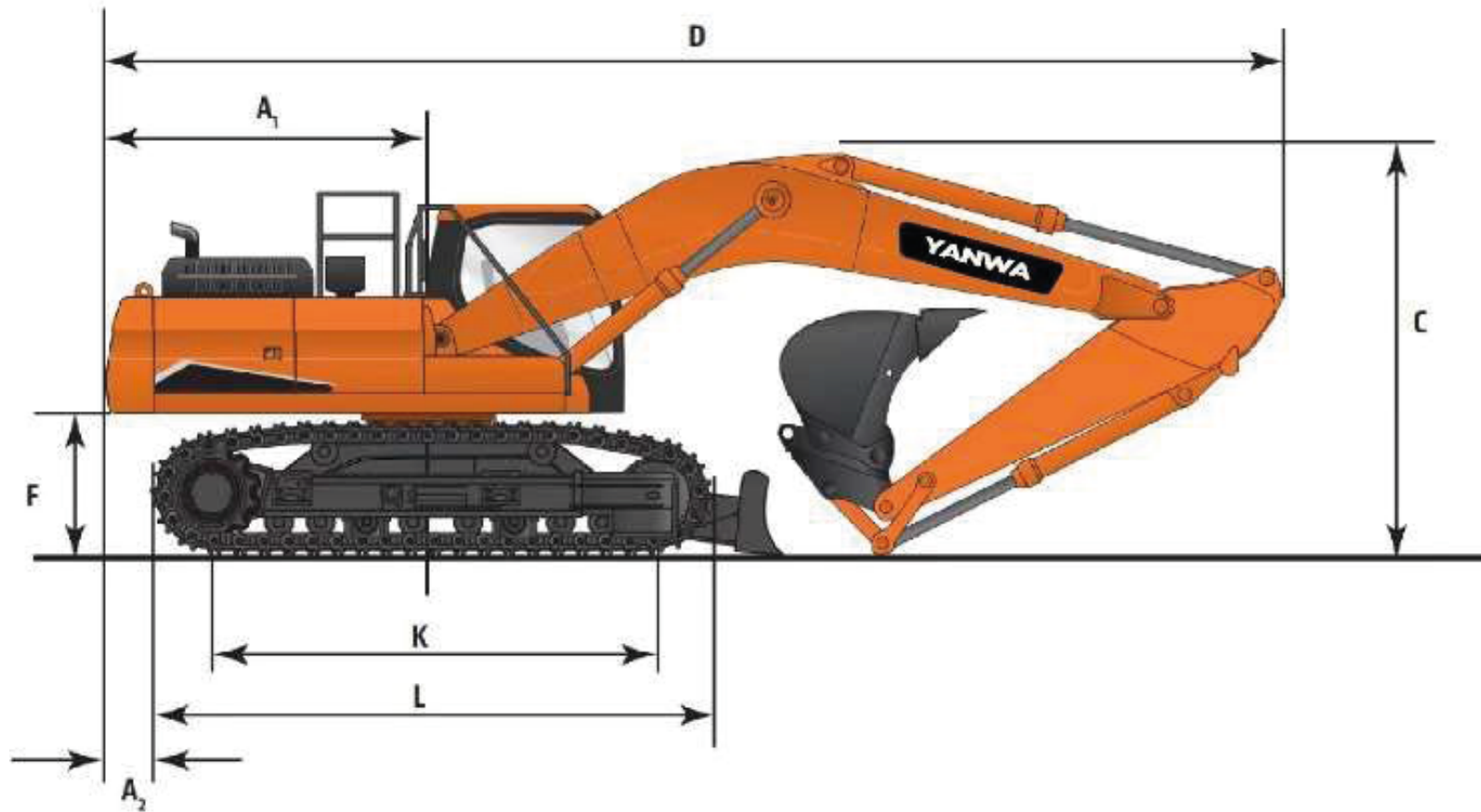
DIMENSIONS

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	9530MM (31'3")
LENGTH WITH BOOM/STICK INSTALLED	9500MM (31'2")
BOOM INSTALLED LENGTH	8450MM (27'9")
WIDTH OF THE UPPER FRAME	2780MM (9'1")
TAIL CYRATION RADIUS	2830MM (9'3")
CLEARANCE FROM COUNTERWEIGHT	1050MM (3'5")
GROUND CLEARANCE	470MM (1'7")
CHAIN LENGTH	3700MM
DISTANCE BETWEEN THE CENTERS OF THE ROLLERS	3650MM (12'0")
TRACK GAUGE	2380MM (7'9")
UNDERCARRIAGE WIDTH (700 MM/28 IN. SHOES)	3080MM (10'1")

TOOLS (1 KIT PER ROAD TEAM, PER EXCAVATOR)

AMOUNT	2 KIT TOOLS
HYDRAULIC BOTTLE JACK	15TON ACTION LEVER JACK KEY
TYPE I WHEEL WRENCH	32X30 FORCE LEVER
TOOLBOX	PLIERS (2) FLAT SCREWDRIVER (2) STAR SCREWDRIVER (2) 20KG CAPACITY BUCKET GREASE GUN (2) COMBINATION WRENCHES (10 TO 23)MM COMBINATION WRENCHES (10 TO 34) MM (2)
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)

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

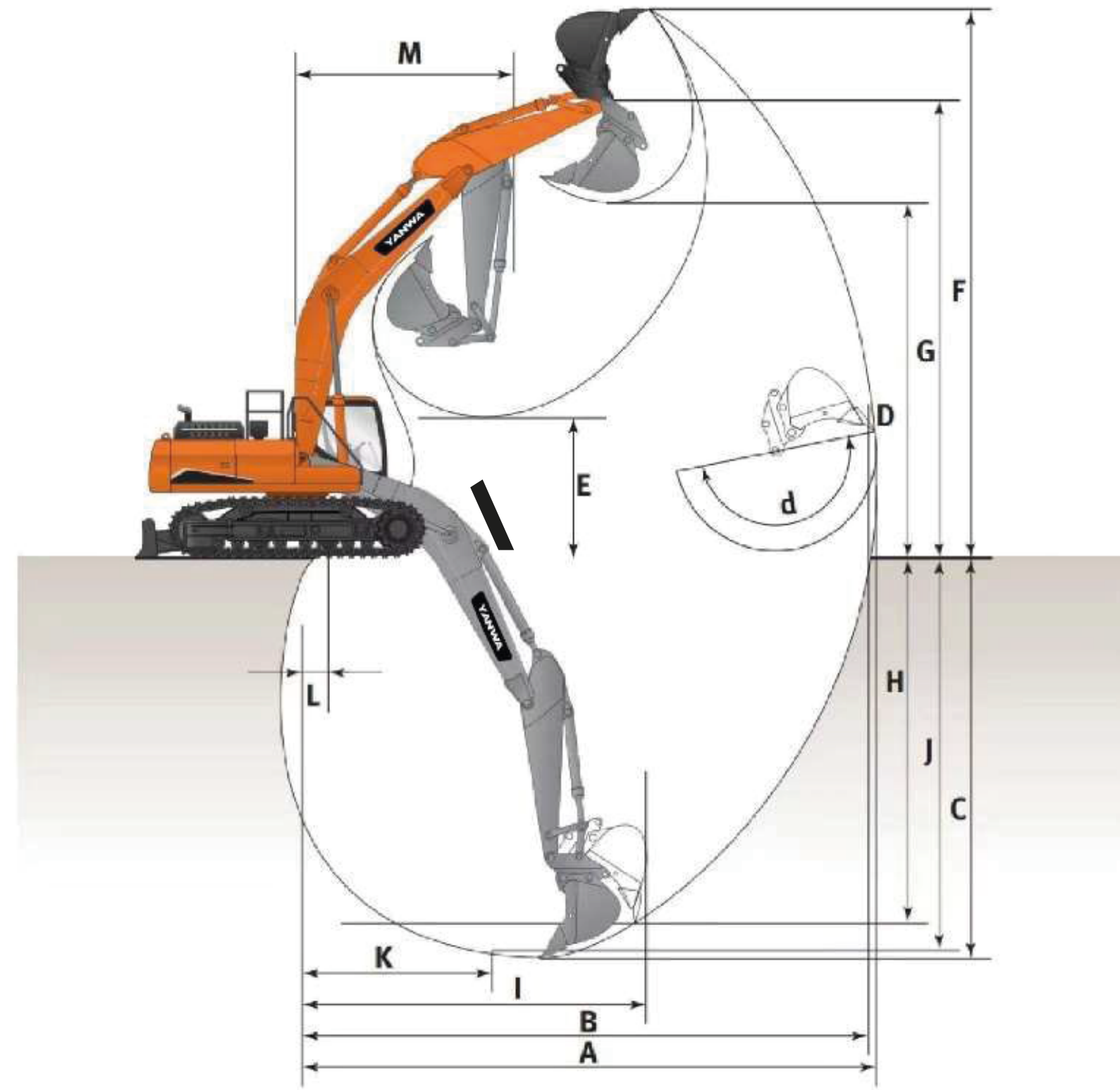
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D

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