

GEN HMK **140 LC**
SERIES EXCAVATOR



HIDROMEK®



HEAVY DUTY TYPE

HMK 140LC has been designed by HİDROMEK engineers after careful evaluation of working conditions and operator demands and has been released on the market afterward as a crawler excavator that meets all expectations of users. All fabricated parts including boom, arm, bucket, undercarriage, lower and upper frames have been designed and produced as heavy duty type. HMK 140LC offers its operator maximum efficiency by providing trouble-free and continuous operating performance even in the toughest of working conditions. When such rigorous care at the design stage of HMK 140LC is combined with worldwide approved components and state-of-the-art production technologies, the outcome has been a high performance, durable, comfortable, and well-balanced product with low maintenance and operation costs.

CAB

HMK 140LC excavator cabin has been designed to allow the operator to work comfortably even under the hardest conditions.

Cabin entrance is large enough to enable the operator to enter the cab easily with plenty of clearance. Opening windscreen is designed to give the operator a perfect visibility. It is possible to open the windscreen by sliding it towards the roof. Rear window may be removed and kept under the operator seat. Other features enhancing operator's comfort are the ergonomic seat and front console. The standard operator seat of the HMK 140LC can be adjusted in 9 different positions and is designed to enable operator to work without fatigue and comfortably with high performance for long hours. Besides, the joystick console and seat can move independently from each other which lets the operator to adjust the most suitable position for him.

The seat is equipped with seat belt as a safety precaution. The cab is supported by 6 silicon viscose mounts that dampen the effects of noise, shock and vibrations regardless of working conditions of the machine and the optional attachment on it. Also a high capacity air conditioning system is located on the cab to create the optimum working environment for the operator.



ENGINE

“An Extraordinary Engine”



An extraordinary engine...

The Isuzu engine fitted in the HMK 140LC is specially developed for excavator applications. It is a turbo diesel engine, complies with the U.S and EU Emission Regulations, with 4 cylinders, 4 cycles, water-cooling, turbocharger and intercooler. High performance, long life and reliability of the engine under all working conditions have been proved in many different markets.

Low fuel consumption...

The direct fuel injection and intercooler features not only provide less fuel consumption but also increase the power and torque produced by the engine by providing more efficient combustion.

More than standard...

HİDROMEK always offers more than what is expected from any construction equipment. Some of the standard features offered along with HMK 140LC model are:

- Air pre-heating function to start-up engine easily in cold weather conditions
- Diesel fuel/water separator
- No disturbance for the environment and operator due to low exhaust gas emission and sound level.



EXCAVATOR

“Reinforced Heavy Duty
Type Construction”

SUB-FRAME & UNDERCARRIAGE

X' box type sub-frame

‘X’ shape box type sub-frame has perfect resistance against bending forces and vibration stress since it homogeneously distributes the stress exposed on it.

Resistance

The lower rollers are connected to the sub-frame by pentagon shape fittings enhance the strength of the frame and lifetime of the frame, too. Modern production technologies and precise quality control systems make “zero-error” production possible.

The standard long track maximizes the balance of the machine by providing a durable platform for the machine to work on. Two roller housings in each track keep track chains in straight direction and therefore prevent corrosion of lower rollers.

The upper roller, lower rollers and front idlers are suitable for heavy-duty working conditions. They have been sealed with life-time seals which are maintenance-free.

Track pins and bushings are greased and sealed, thus reducing chain noise and extending track life.

Dozer blade is optionally available with the HMK 140LC for improved stability and lifting ability.

TECHNICAL SPECIFICATIONS

Opera Control System

- Perfect control
- Fuel economy
- Long component life
- Low noise level and exhaust gas emission
- Operator comfort
- Warning and protection (security) features
- Malfunction / fault indication feature
- Auxiliary functions

Opera Control System ,consists of 4 power modes and 3 working modes, helps operator to choose the most suitable working conditions in accordance with requirements of work through perfect matching with diesel engine and hydraulic pump.

MODE SELECTIONS

A-Power Mode Selection

POWER MODE	
F (Sensitive Mode)	This mode is used for light works requiring sensitive movements
E (Economy Mode)	This mode is for light work in which low fuel consumption is desired.
P (Power Mode)	This mode is for general digging and loading works.
HP (High Power Mode)	This mode is for heavy and high speed required

B- Working Mode Selection

WORKING MODE	
D (Digging Mode)	It is designed for normal digging operations.
B (Breaking Mode)	It is designed for breaking operations.
O (Optional attachment Mode)	It is designed to work with optional attachment.

WARNING AND PROTECTION FEATURES

Continuous Monitoring:

Opera Control System, continuously monitors the most important parameters of machine and warns the operator in case of any abnormality in three ways:

- Audio warning
- Warning lights
- Indicators



Overheating Prevention Function:

If engine water temperature and hydraulic oil temperature exceeds certain limits, electronic control system decreases the pump flow rate and engine rpm to enable the machine work continuously.

Automatic preheating :

Automatic preheating provides reaching machine to optimum working temperatures by measuring air intake temperature , cooling water temperature and hydraulic oil temperature of diesel engine. Machine control unit removes engine rpm from idling to 1200 rpm when engine cooling water is lower than 30°C or hydraulic oil temperature is lower than 0°C and stay on this rpm until warm up . By this way early wearing of main components beginning engine in the first place is prevented. However if there is emergency and machine is required to be moved quickly , such function can be cancelled by pressing button on display panel.

Automatic Malfunction Indication:

When machine displays any malfunction, code representing such malfunction appears on display panel for warning purpose.

Malfunction Messages Memory:

Opera Control System has feature of keeping occurred malfunctions in the machine in its memory.

Fuel filter Congestion Warning:

Notifies water in fuel filter to operator by view.

Manuel Mode Selection:

In case of any malfunction in control system of the machine, it is possible to switch to manual mode and continue operation by means of a button located near fuse box. Hydraulic pump flow rate is fixed and also engine rpm can be set between 900 rpm and maximum rpm manually.

Component Information and Main Setting Values:

Information regarding serial numbers of the components of the machine can be loaded on the control unit and may be recalled when required. It is also possible to read the required malfunction information on the display panel through the control unit during fault searching.

Program Loading and Modification:

There are computer connection ports on control unit of the machine. By means of such ports, programs of which parameters are either the same or different can be loaded on the machine.

AUXILIARY FEATURES

Automatic Powerboost:

When more power than normal working conditions is needed, electronic control system allows working at high performs through increasing system pressure.

Automatic Powershift:

If more power is needed during digging and travel , required power is obtained by mounting engine rpm and pump flow rate above setup value

Automatic Idling:

While levers are in the middle position, in case of no movements at levers, electronic control system decreases engine rpm to 1200 rpm and then decrease to idling in order to prevent redundant fuel consumption . Automotic Idling function can be activated also at any time determined by operator. When operator touches to lever , engine rpm and pump flow rate of previously selected mode is restored . This function can be canceled by operator if he desires. By this way desired power from engine can be obtained.

Condition Information:

Many parameters such as; battery voltage , engine load, pump pressures , cooling water temperature, and hydraulic oil temprature can be monitored

Maintenance Information:

There is warning system that informs operator about periodic maintenance time automotically. Also parameters related with machine maintenance can be monitored on control panel.

Operation Hours:

Detail working hours of machine , such as working hours, travel hours, attachment hours , breaking hours, are kept on the memory.

Anti-Theft System:

Anti-theft system is set up by defining private code for each operator.

Language Selection:

Selection of multi-language on the remote control panel.



Since the very first phase of its design, the new generation GEN Series Excavators has been developed so that the user could control the machine with an extraordinary ease, in an environment of total comfort, feeling himself like in his own office.

That is why, GEN - the new generation of excavators HİDROMEK, for first time in its class, has been equipped with OPERA (HİDROMEK Operator Interface).

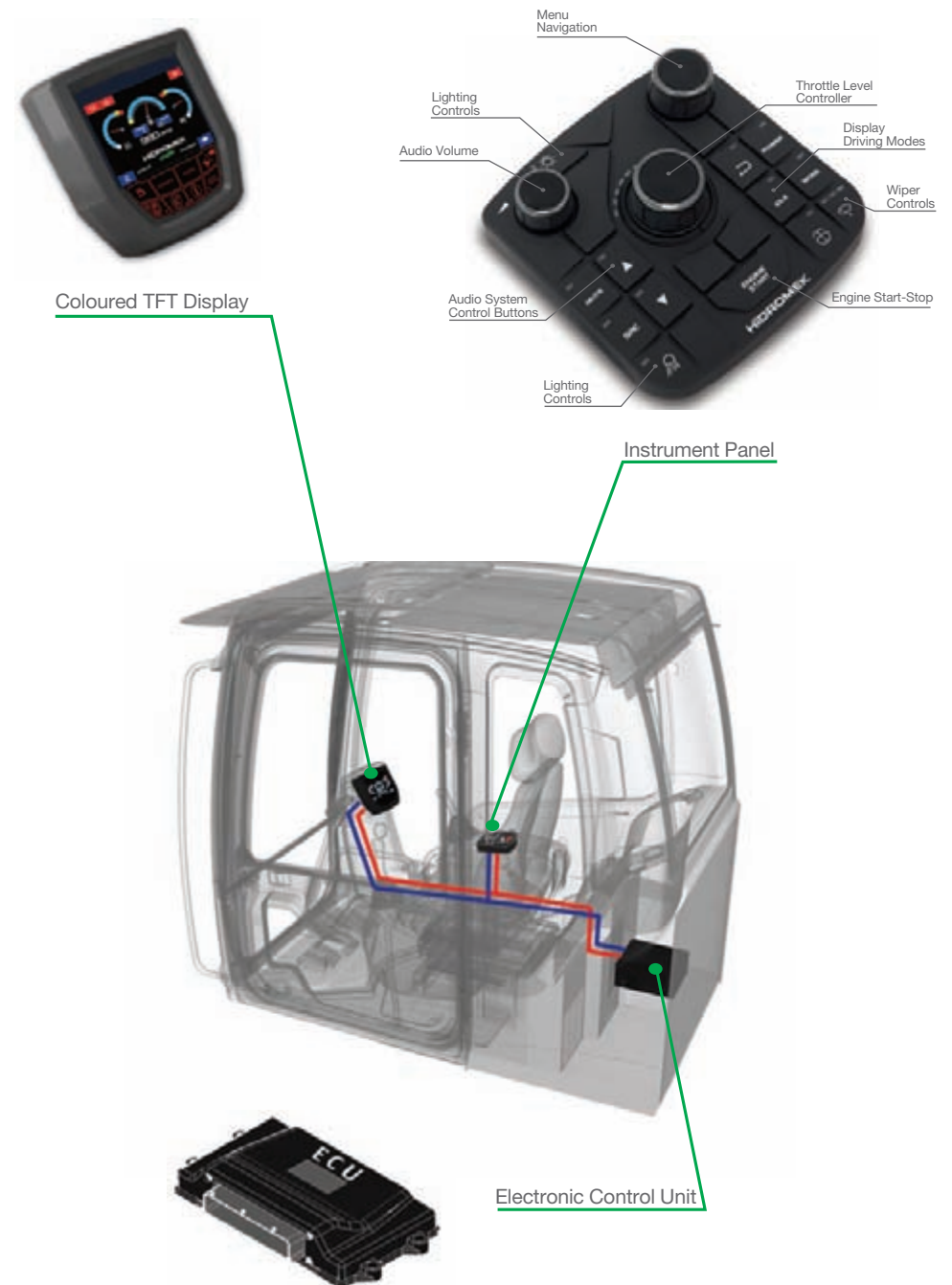
OPERA user interface, especially developed for the GEN series HİDROMEK excavators, which integrates all the control devices on an aesthetically designed and ergonomically located console. The system consists of a high resolution (HD) coloured TFT screen, an Electronic Control Unit and the Opera Control Unit.

With OPERA it is extraordinary easy to manage functions such as:

- Engine RPM control
- Navigate in the menus
- Choose the most appropriate working mode
- Control the lights and wipers
- Manage radio/MP3
- Start-Stop the engine to ensure maximum fuel economy.
- Control of the cameras – rear view and on the arm (optional)
- Monitoring the machine conditions, such as hydraulic pressure, engine coolant and hydraulic oil temperature, turbo boost pressure, fuel pressure, atmosphere pressure and others.
- Error Codes
- Times of work - as a time of excavating, work with attachments (breakers etc), travel, etc.
- Time to the next maintenance among others.



EXCAVATOR



HYDRAULIC SYSTEM

Features:

- Easy to control
- High efficiency
- Generation of required flow rate when needed (negative control)
- Continuous control of power generation depending on increasing load
- Maximum performance under all sorts of working conditions due to functional power modes
- Priority allowance in attachment movements
- Regeneration of flow rate in main control valve

Main Hydraulic Pump

Machine performance and pump life have been maximized by using two axial pistons and variable displacement hydraulic pumps from Kawasaki, a worldwide leading hydraulic pump manufacturer. It is possible to generate the necessary flow rate when required thanks to the negative control feature. By matching the power generated from diesel engine and the power required by the hydraulic pump under increase load, engine stalls is prevented. The best matching of the engine and pump flow rate is achieved with the power mode modulation depending on working conditions. By this way;

- High efficiency
- High quality
- Long and trouble-free operating life is achieved.

Main Control Valve

The main control valve ensures sensitive and vibration free operation in each combined movement. The operator is able to focus only on his work since the priority at the arm, boom and swing movements are provided automatically by the control valve, thus maximizing efficiency. The regenerative system prevents cavitations during boom, arm



and bucket movements and increases both the life of the hydraulic system and speed of the machine.

Holdin valves on the boom and arm are supplied as standard equipments in order to balance the interior leakage between spool and body so the potential leakage problem at the attachments is avoided.

Thanks to the two-staged main relief valve, it is possible to increase the power whenever is required.

Inside the main control valve, there is straight travel valves. Due to the featured structure of the main valve block, it is possible to join the oil produced by both pumps within the valve group.

There is no need for an external pipe or hose for such operation.

An additional valve section is available for breaker or other optional attachments.

Swing Hydromotor and Gearbox

An axial piston type hydromotor with high torque is used together with a heavy duty type gearbox.

The hydromotor features shock absorbing valves specially designed to provide smooth and vibration free swing

movement. The braking of the swing movement is provided by an oil type spring-driven park brake system.

Other features

The hydraulic accumulator which enables lowering of the attachments in case of emergency (i.e. diesel engine or main hydraulic pump failure) is located in the pilot line.

The advanced hydraulic system provides easy maintenance and thus decreases spare part costs.

Hydraulic cylinders are designed with a cushioning system to provide a vibration and shock free operation.

The entire hydraulic system is fitted with high capacity filters so ensure absolute cleanliness.

Different types of breakers may be fitted by selecting desired flow rate and pressure on the control unit.

TECHNICAL SPECIFICATIONS

EXCAVATOR

ENGINE

Emission Class	: Stage III-A (Tier 3)	: Stage III-B (Tier 4 interim)
Brand, Model	: ISUZU AJ-4JJ1X	: ISUZU AJ-4JJ1X
Type	: Water cooled diesel engine, 4 cycles, 4 cylinders, line-type, direct injection, turbocharger and intercooler	: Water cooled diesel engine, 4 cycles, 4 cylinders, line-type, direct injection, turbocharger and intercooler
Power	: 95 HP (70,9 kW) at 2000 rpm SAE J1349 (Net) : 98 HP (73 kW) at 2000 rpm SAE J1995 (Gross)	: 100 HP (74,9 kW) at 2000 rpm SAE J1349 (Net) : 103 HP (77 kW) at 2000 rpm SAE J1995 (Gross)
Maximum Torque	: 378 Nm at 1600 rpm (Net) : 385 Nm at 1600 rpm (Gross)	: 378 Nm at 1600 rpm (Net) : 385 Nm at 1600 rpm (Gross)
Displacement	: 2999 cc	: 2999 cc
Bore x Stroke	: 95,4 mm x 104,9 mm	: 95,4 mm x 104,9 mm
This new engine complies with the Emission Regulations U.S EPA Tier III and EU Stage III-A, (UNECE R96)		This new engine complies with the Emission Regulations U.S EPA Tier 4 tierim and EU Stage III-B

HYDRAULIC SYSTEM

Main Pump	
Type	: 2 axial piston type pumps with double variable displacement and inclined plate
Max. Flow Rate	: 2 x 130 lt/min
Pilot Pump	: Gear type, 20 lt/min (10 cc/rev)
Working Pressures	
Cylinders	: 320 kgf/cm ²
Power Boost	: 350 kgf/cm ²
Travel	: 350 kgf/cm ²
Swing	: 260 kgf/cm ²
Pilot	: 40 kgf/cm ²

Cylinders	
Boom	: 2 x ø 110 x ø 75 x 1.080 mm
Arm	: 1 x ø 115 x ø 80 x 1.225 mm
Bucket	: 1 x ø 100 x ø 70 x 910 mm

SWING SYSTEM

Motor	: Axial piston motor with integrated super shock absorbing valve, with fixed displacement and inclined plate
Reduction	: 2 stage planetary gear type v
Swing Brake	: Hydraulic, disc type with warning
Swing Speed	: 11,2 rpm

LUBRICATION

A central lubrication system is available in order to lubricate difficult-to-reach points such as boom and arm.

SUB-FRAME

Construction	: Lower structure “X ” type, side frame pentagon box type
Shoe	: Triple grouse 500, 600, 700 mm : 500 mm (Rubber)
No. of Shoes	: 2 x 46 units
No. of Lower Rollers	: 2 x 7 units
No. of Upper Rollers	: 2 x 2 units
Track Tensioning	: Hydraulic type with spring cushioning

CAB

- Improved operator’s all round visibility
- Increased cabin internal space
- Use of six viscomount cabin mountings that dampen the vibrations
- High capacity A/C
- Cooled storage box
- Glass holder, book and object storage pockets
- Pool type floor mat
- Improved operator’s comfort through versatile adjustable seat
- Ergonomically redesigned cabin through relocated switch board, and re-styled travel pedals and levers

FILLING CAPACITIES

Fuel Tank	: 270 L	Engine Oil	: 16 L
Hydraulic Tank	: 116 L	Swing Reduction	: 2,6 L
Hydraulic System	: 210 L	Gear	
Engine Cooling Sys	: 21 L	Travel Reducer	: 2x2,1 L

TRAVEL AND BRAKES

Travel	: Fully hydrostatic
Travel Motor	: Axial piston motor with 2 speed stages and inclined plate
Reduction	: Planetary gear system with 3 stages
Travel Speed	
High Speed	: 5,7 km/h
Low Speed	: 3,4 km/h
Max Tractioni	: 11.390 kgf
Gradeability	: 35° (70%)
Parking Brake	: Hydraulic, disc type with automatic warning
Ground Pressure (500mm Shoe): 0,44 kgf/cm ²	

ELECTRICAL SYSTEM

Voltage	: 24 V
Battery	: 2 x 12 V / 100 Ah
Alternator	: 24 V / 50 A
Starting Motor	: 24 V / 4 kw

OPERA CONTROL SYSTEM

• Easy-to-use control panel and menu	• Maintenance information and warning system
• Improved fuel economy and productivity	• Overheat prevention and protection system without interrupting the work
• Maximum efficiency by selection of power and work modes	• Real time monitoring of operational parameters such as pressure, temperature, engine load
• Automatic electric cut-off	• Selection of multi-language on control panel.
• Automatic powerboost switch-on and switch-off	• Automatic powershift to improve performance
• Auto-Idle and automatic deceleration system	• Error mode registry and warning system
• HiDROMEK Smartlink (Optional)	• Anti-theft system with personal code
• Automatic preheater	• Possibility to register 26 different operating hours
	• Rear-view, arm-view camera (Optional)

WEIGHT

Standard machine operating weight (500mm Shoe)	: 14.550 kg
Operating weight (With dozer blade) (500mm Shoe)	: 15.550 kg
Two Pieces Boom (Without dozer blade) (500mm Shoe)	: 15.000 kg
Two Pieces Boom (With dozer blade) (500mm Shoe)	: 16.000 kg

ACCESSORIES

STANDARD BUCKET

			
Width		985 mm	
Capacity		0,6 m³	
Weight		490 kg	
Number of teeth		4	
ARM	4,6 m Mono Bom	2,0 m	A
		*2,3 m	B
		2,6 m	B
		2,9 m	C

OPTIONAL BUCKET SELECTION DIAGRAM

			
600 mm	780 mm	900 mm	1.140 mm
0,35 m³	0,45 m³	0,52 m³	0,75 m³
350 kg	420 kg	460 kg	540 kg
3	3	4	5
A	A	A	B
A	A	A	C
A	A	A	D
A	A	B	D

* Standard

A- Material density less than 2.000 kg/m³
B- Material density less than 1.800 kg/m³
C- Material density less than 1.500 kg/m³
D- Material density less than 1.200 kg/m³

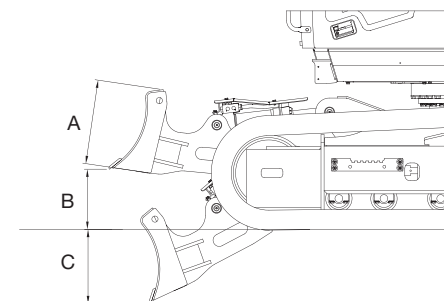
4,6 m Mono Bom

BREAKOUT FORCES

					
SAE	Arm length	2,0 m	*2,3 m	2,6 m	2,9 m
	Bucket digging force (power boost)	8.600 (9.400) kgf	8.600 (9.400) kgf	8.600 (9.400) kgf	8.600 (9.400) kgf
ISO	Arm breakout force (power boost)	7.400 (8.100) kgf	6.700 (7.400) kgf	6.200 (6.800) kgf	5.700 (6.200) kgf
	Bucket digging force (power boost)	9.700 (10.600) kgf	9.700 (10.600) kgf	9.700 (10.600) kgf	9.700 (10.600) kgf
ISO	Arm breakout force (power boost)	7.600 (8.400) kgf	7.000 (7.600) kgf	6.400 (7.000) kgf	5.800 (6.400) kgf

* Standard

DOZER BLADE (Optional)



	Unit	Measurement
A. Height	mm	525
Width	mm	2510 / 2610 / 2710
B. Lift height	mm	530
C. Digging depth	mm	550

WARNING

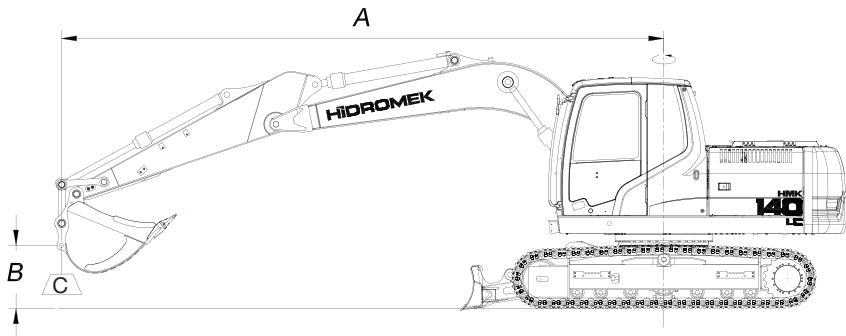
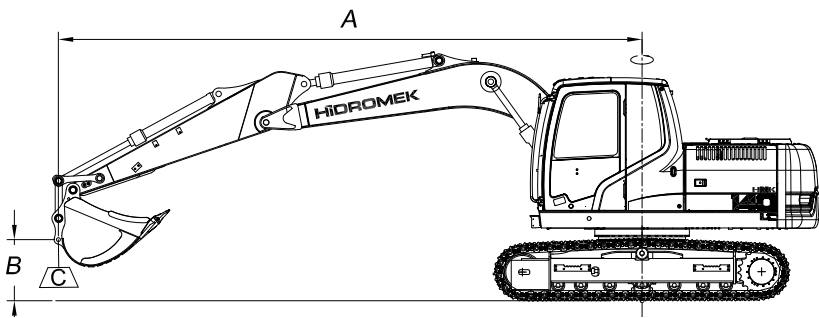
- Optional attachment and accessory standards offered with machines may differ according to countries.
- Please consult your authorized dealer to provide attachments and accessories.

LIFTING CAPACITIES

EXCAVATOR

HMK 140LC Boom: 4,6 m, Arm: 2,30 m, Bucket: 0,60 m³ (SAE),												 : Front		 : Side	
A, m	Load Unit	1,5		3,0		4,5		6,0		7,5		Maximum Reach			
B, m														A,m	
6,0	kg											*2150	*2150	5,58	
4,5	kg							*3200	2250			*2050	*1850	6,53	
3,0	kg			*6050	*6050	*4500	3500	3500	2100			*2100	1550	7,04	
1,5	kg			*9450	5900	*5350	3150	3350	2000			*2300	1450	7,19	
0 (ground)	kg			*7950	5450	5100	2900	3200	1850			2500	1450	7,02	
- 1,5	kg	*5350	*5350	10500	5350	4950	2800	3150	1800			2800	1600	6,49	
- 3,0	kg	*8850	*8850	*9750	5500	5000	2850					3650	2100	5,51	
- 4,5	kg			*6650	5850							*5250	4200	3,69	

HMK 140LC Boom: 4,6 m, Arm: 2,30 m, Bucket: 0,60 m³ (SAE), With Dozer Blade												⬆ : Front		⬇ : Side	
A, m	Load Unit	1,5		3,0		4,5		6,0		7,5		Maximum Reach			
B, m		⬆	⬇	⬆	⬇	⬆	⬇	⬆	⬇	⬆	⬇	⬆	⬇	A,m	
6,0	kg											*2150	*2150	5,58	
4,5	kg							*3200	2600			*2050	*2050	6,53	
3,0	kg			*6050	*6050	*4500	4000	*3900	2500			*2100	1850	7,04	
1,5	kg			*9450	6950	*5800	3700	*4450	2350			*2300	1700	7,19	
0 (ground)	kg			*7950	6500	*6750	3450	*4950	2200			*2700	1750	7,02	
- 1,5	kg	*5350	*5350	*10550	6400	*7000	3350	*5050	2150			*3450	1950	6,49	
- 3,0	kg	*8850	*8850	*9750	6500	*6450	3400					*4950	2500	5,51	
- 4,5	kg			*6650	*6650							*5250	*4900	3,69	



- A Load Radius
B Load Point Height
C Lifting Capacity

Notes

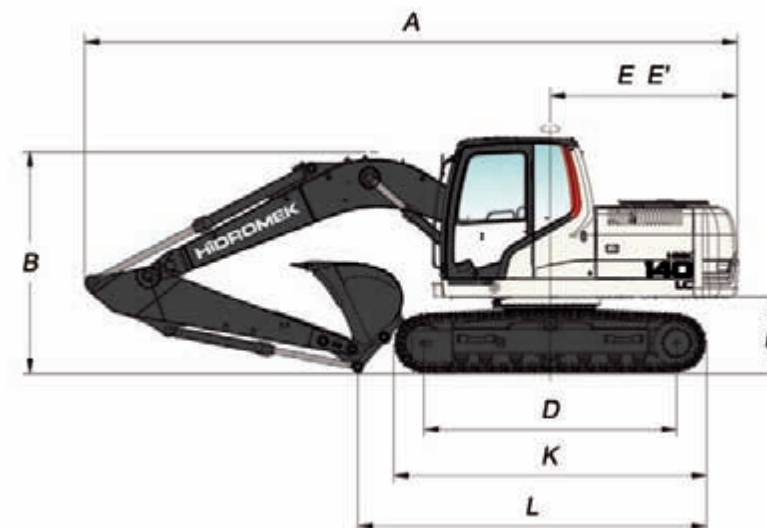
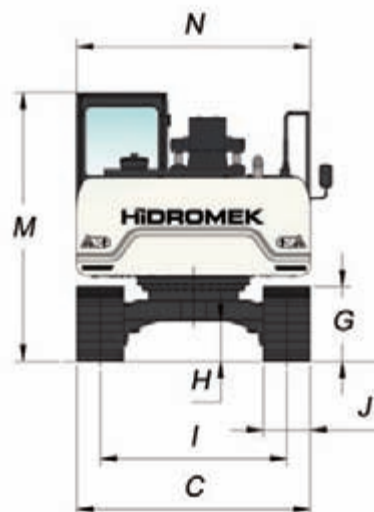
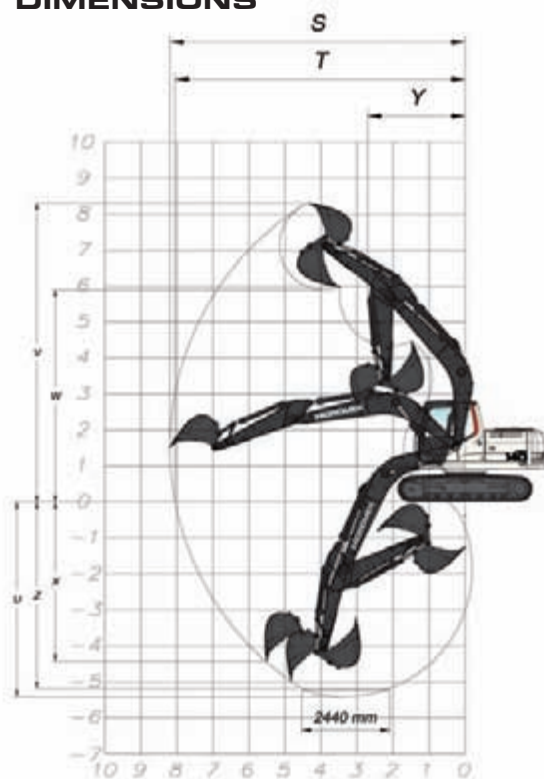
1. Lifting capacities are according to SAE J1097 and ISO 10567
2. Load point is on the bucket.
3. Lifting capacity cannot exceed 75% of tip over capacity or 87% of total hydraulic capacity.
4. Values marked with (*) are limited by hydraulic capacity.

WARNING
HIDROMEK has the right to modify the specifications and design of the model indicated on this brochure without prior notice.

HMK 140LC

EXCAVATOR

DIMENSIONS



GENERAL DIMENSIONS

Boom Dimension	4.600 mm			
Arm Dimension	2.000 mm	*2.300 mm	2.600 mm	2.900 mm
A Overall Length	7.880 mm	7.890 mm	7.880 mm	7.850 mm
B Boom (Shipping) Height	2.710 mm	2.820 mm	2.980 mm	3.100 mm
C Lower Frame Width	*2.490 / 2.590 / 2.690 mm			
D Track Base Length	3.035 mm			
E Counterweight Distance	2.250 mm			
E' Countweight Turning Radius	2.340 mm			
F Upper Chasis to Ground Clearance	940 mm			
G Crawler Height	800 mm			
H Ground Clearance	430 mm			
I Track Gauge	1.990 mm			
J Shoe Width	*500 / 600 / 700 mm			
K Lower Chasis Length (from shoe)	3.780 mm			
L Shipping Length	4.470 mm			
M Cab Height	2.880 mm			
N Upper Frame Width	2.500 mm			

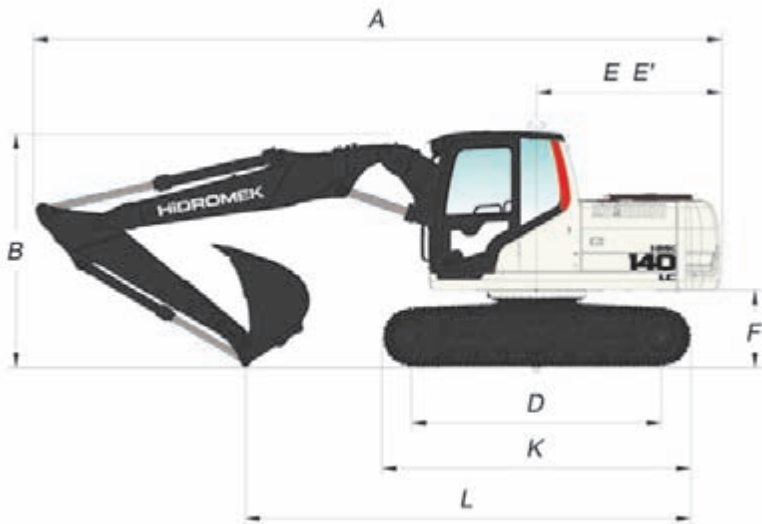
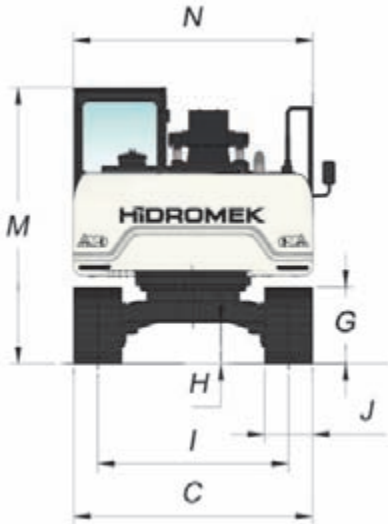
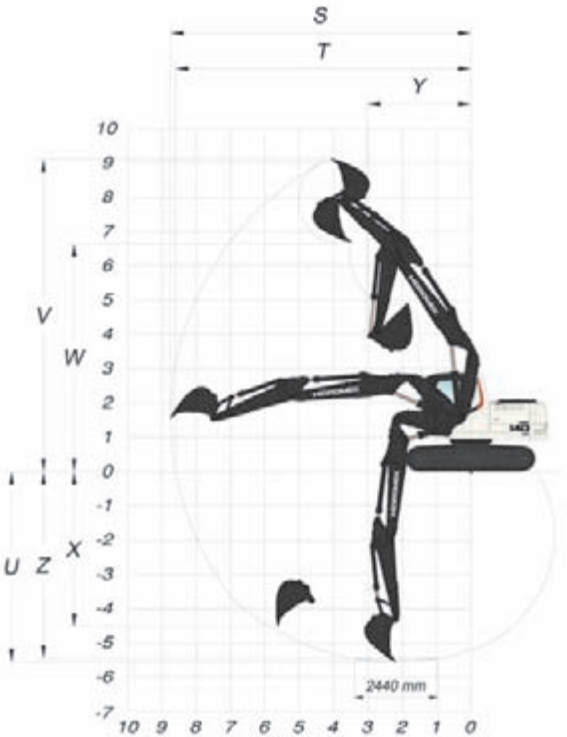
* Standard

WORKING DIMENSIONS

Boom Dimension	4.600 mm			
Arm Dimension	2.000 mm	*2.300 mm	2.600 mm	2.900 mm
S - Maximum Reach Distance	7.910 mm	8.190 mm	8.490 mm	8.780 mm
T - Maximum Reach at Ground Level	7.750 mm	8.040 mm	8.350 mm	8.640 mm
U - Maximum Digging Depth	5.090 mm	5.390 mm	5.690 mm	5.990 mm
V - Maximum Digging Height	8.120 mm	8.320 mm	8.560 mm	8.740 mm
W - Maximum Unloading Height	5.720 mm	5.900 mm	6.130 mm	6.310 mm
X - Maximum Vertical Wall Digging Depth	3.990 mm	4.360 mm	4.780 mm	5.060 mm
Y - Minimum Swing Radius	2.740 mm	2.730 mm	2.770 mm	2.800 mm
Z - Maximum Digging Depth (2440 mm level)	4.840 mm	5.160 mm	5.480 mm	5.800 mm

* Standard

DIMENSIONS



EXCAVATOR

GENERAL DIMENSIONS

Boom Dimension	5.090 mm			
Arm Dimension	2.000 mm	*2.300 mm	2.600 mm	2.900 mm
A - Overall Length	8.380 mm	8.360 mm	8.330 mm	8.290 mm
B - Boom (Shipping) Height	2.730 mm	2.820 mm	2.930 mm	3.070 mm
C - Lower Frame Width	*2.490 / 2.590 / 2.690 mm			
D - Track Base Length	3.035 mm			
E - Counterweight Distance	2.250 mm			
E' - Countweight Turning Radius	2.340 mm			
F - Upper Chasis to Ground Clearance	940 mm			
G - Crawler Height	800 mm			
H - Ground Clearance	430 mm			
I - Track Gauge	1.990 mm			
J - Shoe Width	*500 / 600 / 700 mm			
K - Lower Chasis Length (from shoe)	3.780 mm			
L - Shipping Length	4.470 mm			
M - Cab Height	2.880 mm			
N - Upper Frame Width	2.500 mm			

* Standard

WORKING DIMENSIONS

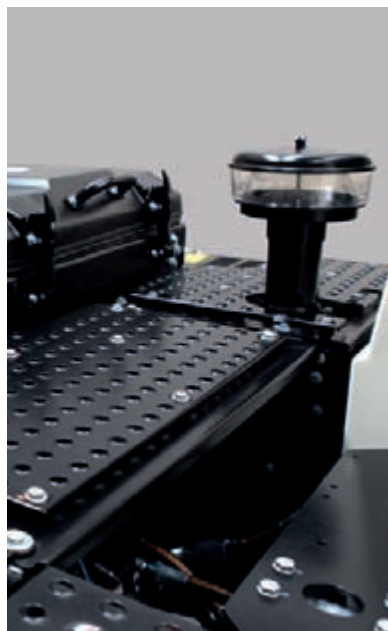
Boom Dimension	5.090 mm			
Arm Dimension	2.000 mm	*2.300 mm	2.600 mm	2.900 mm
S - Maximum Reach Distance	8.460 mm	8.750 mm	9.050 mm	9.340 mm
T - Maximum Reach at Ground Level	8.310 mm	8.610 mm	8.920 mm	9.210 mm
U - Maximum Digging Depth	5.260 mm	5.560 mm	5.860 mm	6.160 mm
V - Maximum Digging Height	8.880 mm	9.110 mm	9.370 mm	9.580 mm
W - Maximum Unloading Height	6.430 mm	6.640 mm	6.900 mm	7.110 mm
X - Maximum Vertical Wall Digging Depth	4.200 mm	4.530 mm	4.880 mm	5.160 mm
Y - Minimum Swing Radius	2.950 mm	3.030 mm	3.120 mm	3.120 mm
Z - Maximum Digging Depth (2440 mm level)	5.150 mm	5.450 mm	5.760 mm	6.060 mm

* Standard

HMK 140LC
EXCAVATOR

GEN
SERIES

DETAILS





✓ **Special Equipment List**

- 2,0 m, 2,6 m, 2,9 m arm
- 600,700 mm track
- Various size buckets
- Automatic lubrication system
- Rotator line
- Boom safety valve
- Arm safety valve
- Overload warning system
- Beacon lamp
- Hydraulic breaker
- Hydraulic Quick Coupler
- Ripper
- Windscreen protective netting
- Headlights
- HIDROMEK Smart Link
- Rotational moving hydraulic shear installation
- Dozer blades
- Air suspension seat with heated

✓ **Standard Equipment List**

- Radio/MP3
- Air conditioner
- Cab heating system
- Cab conforming to ROPS/FOPS tests
- Computer connection port
- Oil and dust seal ring in chain pins
- Long life lubricating in rollers and direction wheel
- Fuel transfer pump
- Front air filter
- Double air filter
- Automatic idling
- Engine pre-heating facility
- Overheating, low engine pressure, air filter clogging indicators
- Battery charge warning system
- Hydraulic breaker line
- Rear view camera
- Tool box
- Working light on counterweight
- Additional working lamp at the front
- Additional working lamp at the rear
- Air suspension seat

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WARNING

HIDROMEK has the right to modify the specifications and design of the model indicated on this brochure without prior notice.