

HIDROMEK

HMK
300 LC
300 LC LR
GEN



HMK 300 LC
EXCAVATOR

GENI



HEAVY DUTY TYPE

HMK 300 LC has been designed by HIDROMEK engineers after careful evaluation of working conditions and operator demands and has been released on the market following 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 300 LC 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 300 LC 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.

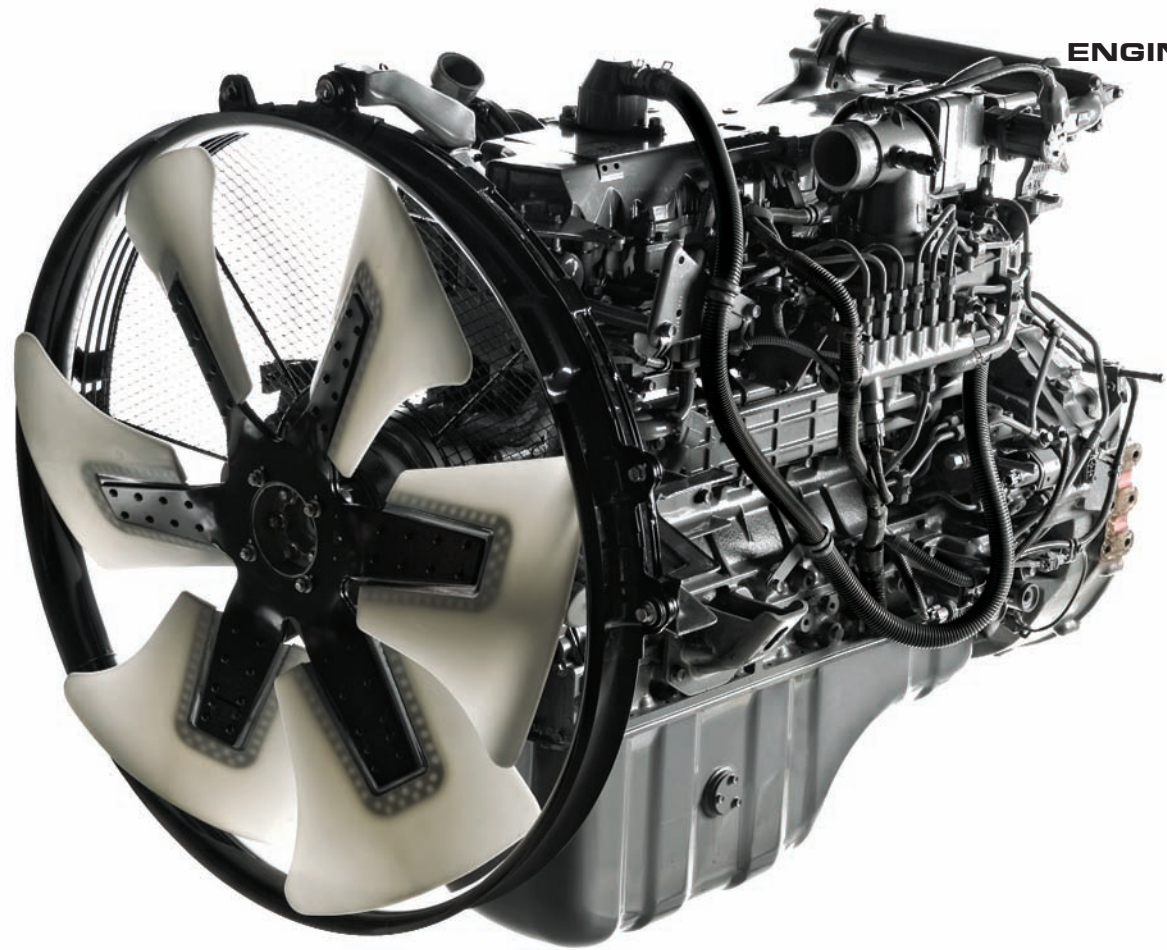
CAB

HMK 300 LC excavator cabin has been designed to allow the operator to work comfortably even under the hardest conditions.

The cab door is large enough to enable the operator to open it easily plenty of clearance. Opening windscreen is designed to give the operator a perfect angle of vision. It is possible to open the windscreen by sliding it towards the roof and windscreen. 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 300 LC 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 enabling operator to adjust the most suitable position for his body structure.

The seat is equipped with seat belt for safety of the operator. 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 an air conditioner is included in the standard equipment.





“An Extraordinary Engine”

Diesel Engine

Max Power (SAE J1349) : 202 HP (151 kW) 1800 rpm
Max Torque : 903 Nm 1500 rpm

An extraordinary engine...

The Isuzu engine fitted in the HMK 300 LC is specially developed for excavator applications. It is a turbo diesel engine, complies with the Emission Regulations U.S EPA Tier III and EU Stage IIIA, with 6 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.

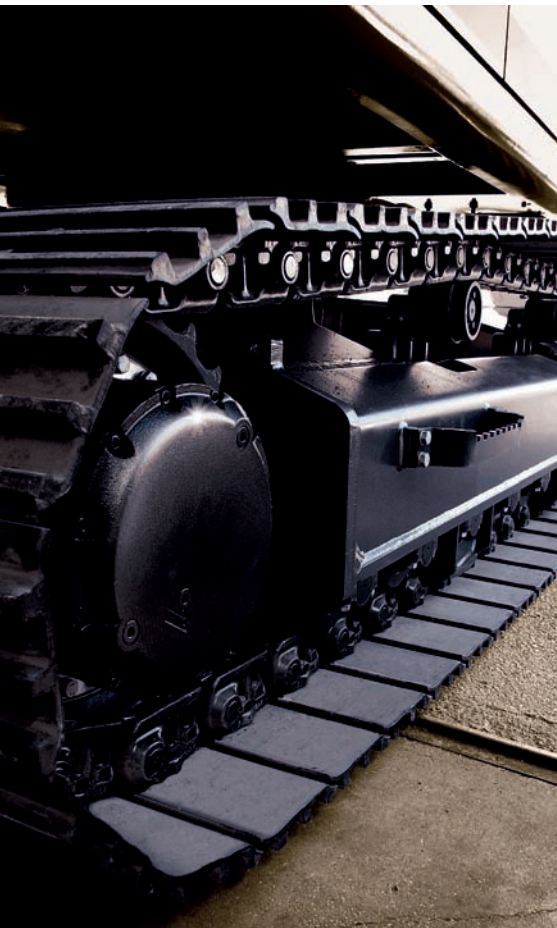
Low fuel consumption...

The direct fuel injection and intercooler feature 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...

Hidromek always offers more than what is expected from any construction equipment. Some of the standard features offered along with HMK 300 LC 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.



“Reinforced Heavy Duty Type Construction”



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 on the pentagon linkages on the sub-frame which enhance the strength and lifetime of the frame. Latest technology production techniques under firm quality control make “zero” error production possible.

The standard long track maximizes the balance of the machine by providing an enduring platform for the machine to work on. Three roller housing track keep track chains in straight direction and therefore prevent wearing of lower rollers.

The upper rollers, lower rollers and front idlers are suitable to work on all kinds of terrain and they have been sealed with life-time seals. This maintenance-free structure has been a solution for heavy duty work.

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

600, 700, 800 mm wide track links with triple grouser are able to self-clean through their holes.

Opera Control System

- High efficiency
- 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 mode and 4 work modes, introduces operator most suitable working conditions in accordance with requirements of work with high performance and economic working options 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 works. It is suitable for when productivity is considered

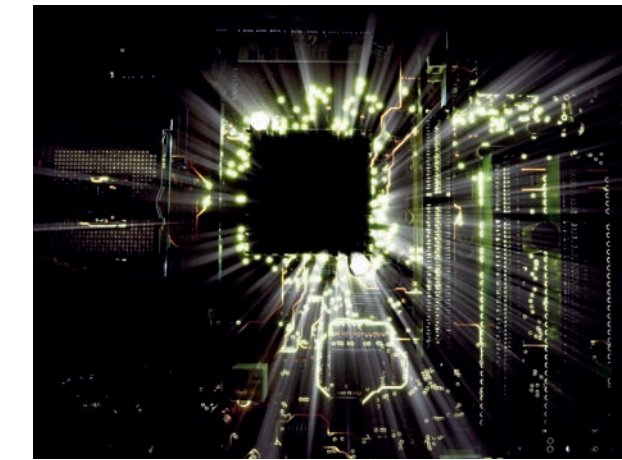
B- Working Mode Selection

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.
T (Trenching Mode)	It is designed for sensitive work in which swing priority is designed

WARNING AND PROTECTION FEATURES

Continuous Monitoring:

Opera Control System, continuously monitors most important parameters of machine and promptly warn operator in case of any abnormality. Such warning can be in three ways:



- Audible warning
- Warning lights
- Indicators

Overheating Prevention Function:

If engine water temperature and hydraulic oil temperature exceeds certain temperature, electronic control system provides continuous work by decreasing pump flow rate and engine rpm.

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 pollution of 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 performances 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. Automatic 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:

Instant, hourly and total fuel consumption information of machine can be monitored. Also, many parameters such as; battery voltage, engine load, pump pressures, cooling water temperature, and hydraulic oil temperature can be monitored

Maintenance Information:

There is warning system that informs operator about periodic maintenance time automatically. 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.

Fuel Consumption:

Fuel consumption can be followed on remote control panel in real time and statistical information can be obtained.

Language Selection:

Selection of multi-language on the remote control panel.



Since the very first phase of its design, the new generation GEN 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 Hidromek, for first time in its class, has been equipped with OPERA (Hidromek Operator Interface).

OPERA, the user interface especially developed for the GEN series Hidromek excavators integrates all the control devices on a aesthetically designed console ergonomically located for easy access and deal, a TFT color screen with high resolution, and the Electronic Control Unit.

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

- Engine RPM control
- Navigating and scrolling the menus
- Choose the most appropriate mode of working
- Control the lights and wipers
- Manage radio/MP3
- Stop-Start the engine to ensure maximum fuel economy during the waiting times.
- Control of the cameras – rear view and on the arm (optional)
- Observe the conditions information, such as fuel consumption - average or instant, 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.



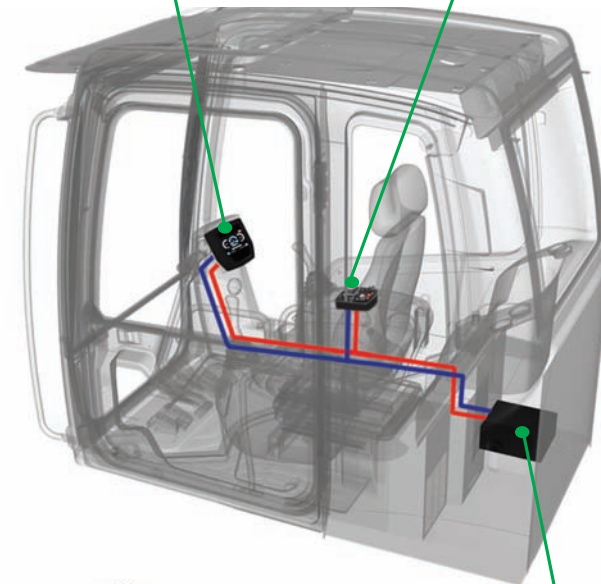
EXCAVATOR



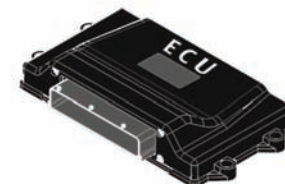
Electronic Visual Display



Instrument Panel



Electronic Control Unit





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. Stalling of the engine is prevented by matching the power generated by diesel engine with the power required by the pump under increasing load. 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 re-regenerative system prevents cavitations during boom, arm and bucket movements and increases both the life of the hydraulic system and speed of the machine.

Boom and arm load holding valves are supplied as standard in order to balance the interior leakage between spool and body so the potential leakage problem at the attachments is avoided.

Two-stage main relief valve provides possibility to increase power when required.

Straight travel valve exists within the main control valve. 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 fitted in the pilot line.

The advanced hydraulic system provides easy servicing and decreased 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.

ENGINE

Brand, Model	: ISUZU AH-6HK1X
Type	: Water cooled diesel engine , 4 cycles, 6 cylinders, line type direct injection , turbocharger and intercooler
Emission Class	: Stage III-A (Tier 3)
Power	: 202 HP (151 kW) 1800 rpm SAE J1349
Maximum Torque	: 903 Nm 1500 rpm
Displacement	: 7,790 cc
Bore x Stroke	: 115 mm x 125 mm
This new engine complies with the Emission Regulations U.S EPA Tier III and EU Stage III-A	

HYDRAULIC SYSTEM

Main Pump

Type	: 2 axial piston type pumps with double variable displacement and inclined plate
Max. Flow Rate	: 2 x 250 L/m
Pilot Pump	: Gear type, 27 L/m (15 cc/rev)

Working Pressures 300 LC-300NLC 300 LC LR*

Cylinders	: 330 kgf/cm ²	150-240-330 kgf/cm ²
Power Boost	: 360 kgf/cm ²	-
Travel	: 360 kgf/cm ²	360 kgf/cm ²
Swing	: 285 kgf/cm ²	285 kgf/cm ²
Pilot	: 40 kgf/cm ²	40 kgf/cm ²

* Hydraulic pressures are boom lifting down 2133 psi arm closure 3413 psi, bucket opening and closure 3413 psi

Cylinders

Boom	: 2 x 140 x 100 x 1,445 mm
Arm	: 1 x 160 x 110 x 1,760 mm
Bucket	: 1 x 140 x 100 x 1,195 mm
Bucket (300LC LR)	: 1 x 110 x 70 x 910 mm

LUBRICATION

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

WARNING

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

SWING SYSTEM

Motor	: Axial Piston motor with fixed displacement and inclined plate
Reduction	: 2 stage planetary gear type
Swing Brake	: Hydraulic, disc type with warning
Swing Speed	: 10 rpm

SUB-FRAME

Construction	: "X" type lower frame, pentagon box type side frame
Shoe	: Triple grouser
No. of Shoes	: 2 x 51 units
No. of Lower Rollers	: 2 x 9 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 room
- 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

ELECTRICAL SYSTEM

Voltage	: 24 V
Battery	: 2 x 12 V x 150 Ah
Alternator	: 24 V / 50 A
Starting Motor	: 24 V / 5.0 kW

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	: 4.4 km/h
Low Speed	: 2.8 km/h
Max Traction	: 25.850 kgf
Gradeability	: 35° (70%)
Parking Brake	: Hydraulic, disc type with automatic warning
Ground pressure (300LC)	: 0.59 kgf/cm ²
Ground pressure (300LCLR)	: 0.63 kgf/cm ²

FILLING CAPACITIES

Fuel Tank	: 483 L	Engine Oil	: 38 L
Hydraulic Tank	: 205 L	Swing Reducer	: 6 L
Hydraulic System	: 370 L	Travel Reducer	: 2x9.5 L
Engine Cooling Sys	: 36 L		

Opera Control System

- | | |
|---|---|
| <ul style="list-style-type: none"> • Easy-to-use control panel and menus • Improved fuel economy and productivity • Maximum efficiency by selection of power and work modes • Overheat prevention and protection system without interrupting the work • Automatical powerboost switch-on and switch-off • Automatical electric power-off • Maintenance information and warning system • Error mode registry and warning system • GPRS satellite tracking system (Optional) | <ul style="list-style-type: none"> • Automatic preheating • Auto-Idle and automatic deceleration system • Automatic powershift to improve performance • Selection of multi-language on control panel. • Real time monitoring of operational parameters such as pressure, temperature, engine load • Anti-theft system with personal code • Possibility to register 26 different operating hours • Rear-view, arm-view camera (Optional) |
|---|---|


WEIGHT

Standard machine operating weight (300LC)	: 30.900 kg
Standard machine operating weight (300NLC)	: 30.800 kg

Standard machine operating weight (300 LC LR):	
Shoe width	Weight
600 mm	33,100 kg
700 mm	33,440 kg
800 mm	33,780 kg


STANDARD BUCKET OPTIONAL BUCKET SELECTION DIAGRAM

HEAVY DUTY TYPE



Width	1.410 mm
Capacity	*1.50 m ³
Weight	1.290 kg
Number of teeth	5
ARM	2.10 m
	*2.50 m
	3.07 m
	C

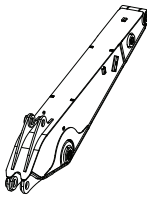
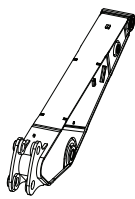
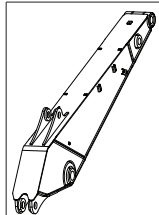
*Standard



795 mm	945 mm	1095 mm	1270 mm	1550 mm
0.66 m ³	0.86 m ³	1.06 m ³	1.30 m ³	1.70 m ³
900 kg	1005 kg	1090 kg	1185 kg	1390 kg
3	4	4	4	5
A	A	A	A	B
A	A	A	A	C
A	A	A	B	D

Note: Single radius buckets and rock type buckets are available


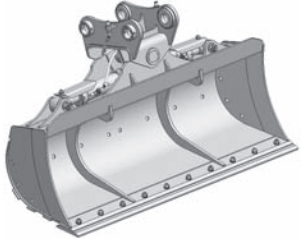
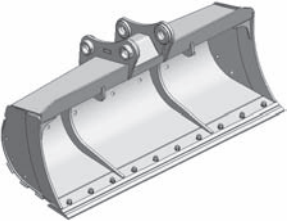
BREAKOUT FORCES

				
SAE	Arm length	*2.50 m	2.10 m	3.07 m
	Bucket digging force (power boost)	17.600 (19.200) kgf	17.600 (19.200) kgf	17.700 (19.300) kgf
	Arm breakout force (power boost)	17.000 (18.600) kgf	20.200 (22.100) kgf	14.100 (15.400) kgf
ISO	Bucket digging force (power boost)	20.200 (22.000) kgf	20.200 (22.000) kgf	20.200 (22.100) kgf
	Arm breakout force (power boost)	17.700 (19.300) kgf	21.200 (23.100) kgf	14.600 (16.000) kgf

*Standard

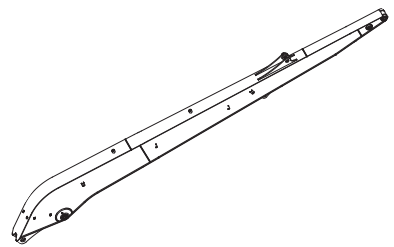
STANDARD BUCKET DITCH CLEANING BUCKETS

HEAVY DUTY TYPE

			
Width	750 mm	2.000 mm	2.000 mm
Capacity	0.6 m ³	0.6 m ³	0.6 m ³
Weight	740 kg	650 kg	495 kg
Number of teeth	3	-	-
ARM	7.8 m	A	A
		A	A

* Tilt angle 2 x 35°

BREAKOUT FORCES



SAE	Arm length	7.8 m
	Bucket digging force	6,400 kgf
	Arm breakout force	5,300 kgf
ISO	Bucket digging force	7,300 kgf
	Arm breakout force	5,400 kgf

- 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

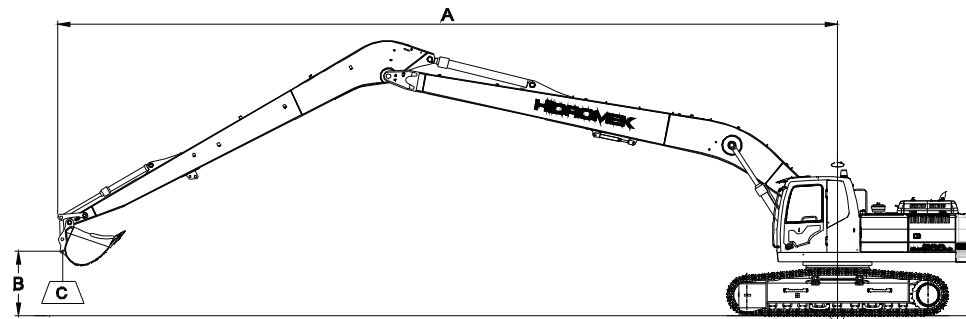
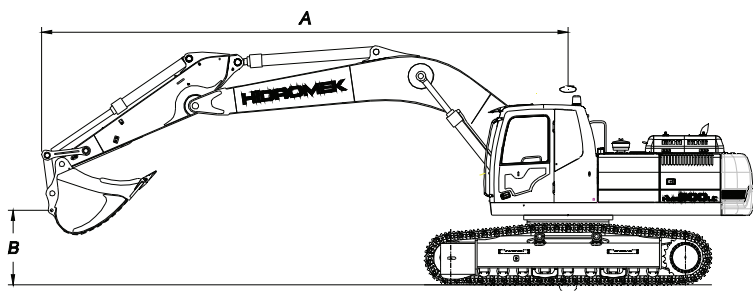
WARNING
• Optional attachment and accessory standards offered with machines may differ according to countries.
• Please consult your authorized dealer to provide attachments and accessories.

LIFTING CAPACITIES

EXCAVATOR

HMK 300 LC		Boom: 6.28m, Arm: 2.5m, Bucket: 1.5 m ³ (SAE), Shoe: 600mm												↑ : Front ↗ : Side		
A, m	Load Unit	1.5		3.0		4.5		6.0		7.5		9.0		Maximum Reach		
B, m	Load Unit	↑	↗	↑	↗	↑	↗	↑	↗	↑	↗	↑	↗	↑	↗	A, m
7.5	kg													*5000	*5000	7.13
6.0	kg									*5050	5050			*5050	4400	8.08
4.5	kg					*7800	*7800	*6250	*6250	*5500	4900			*5150	3700	8.66
3.0	kg					*10400	10400	*7450	6700	*6100	4650			*5500	3350	8.95
1.5	kg					*12450	9600	*8600	6250	*6750	4400			5650	3200	8.98
0 (ground)	kg					*13350	9200	*9400	5950	*7250	4200			5800	3250	8.75
-1.5	kg			*13450	*13450	*13300	9150	*9600	5800	*7300	4150			6300	3550	8.24
-3.0	kg	*15350	*15350	*18000	*18000	*12550	9300	*9200	5900					*7050	4300	7.39
-4.5	kg			*15000	*15000	*10700	9700	*7700	6200					*7600	6100	6.05

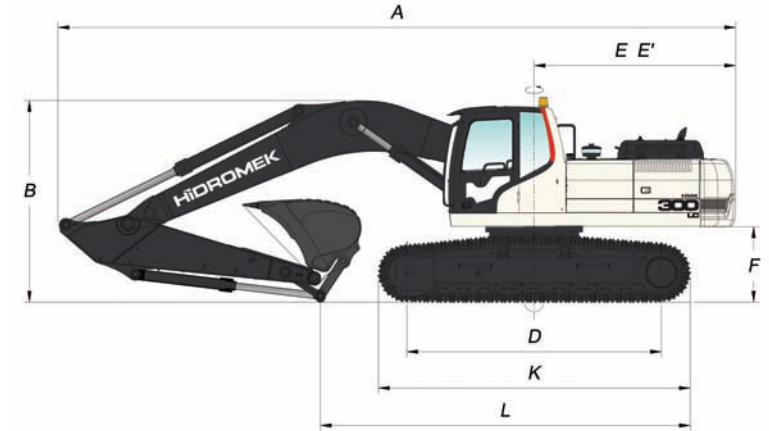
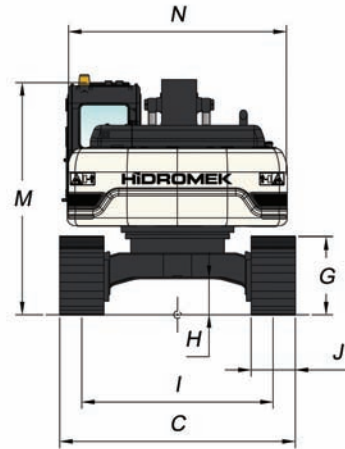
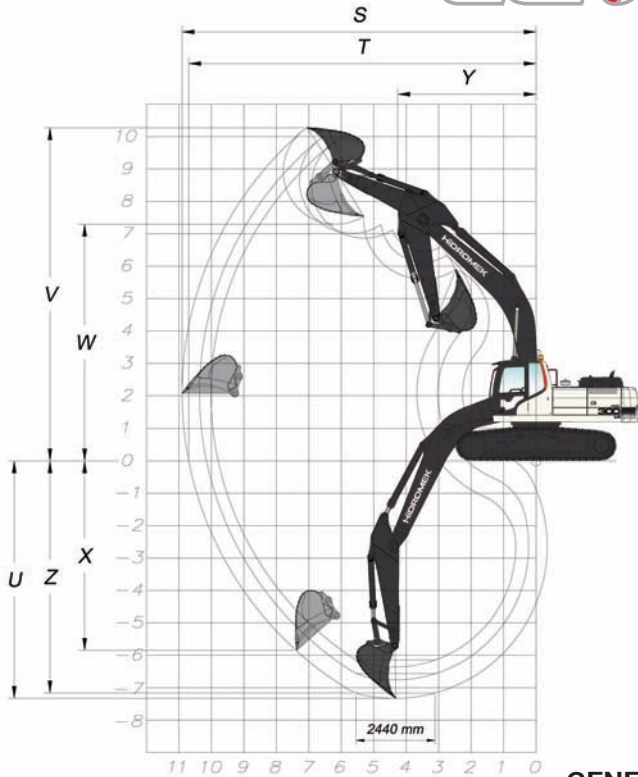
HMK 300 LC LR		Boom: 10.3m, Arm: 7.8m, Bucket: 0.6m ³ (SAE), Shoe: 600mm												↑ : Front ↗ : Side				
A, m	Load Unit	3.0		6.0		9.0		12.0		15.0		18.0		Maximum Reach				
B, m	Load Unit	↑	↗	↑	↗	↑	↗	↑	↗	↑	↗	↑	↗	↑	↗	A, m		
12.0	kg															*1200	*1200	14.06
9.0	kg											*1650	*1650			*1150	*1150	15.78
6.0	kg									*1950	*1950	*1800	*1800			*1200	*1200	16.79
3.0	kg	*5900	*5900	*4800	*4800	*3150	*3150	*2400	*2400	*2000	1750					*1300	1200	17.22
0 (ground)	kg	*1800	*1800	*6750	6600	*4000	3800	*2850	2350	*2250	1500					*1550	1100	17.12
-3.0	kg	*2850	*2850	*6900	5700	*4600	3250	*3200	2050	*2450	1350					*1900	1100	16.47
-6.0	kg	*4200	*4200	*7750	5550	*4800	3000	*3350	1950	*2450	1300					*2400	1300	15.21
-9.0	kg	*5850	*5850	*7100	5800	*4550	3100	*3100	2000							*2650	1750	13.16
-12.0	kg	*7950	*7950	*5300	*5300	*3400	*3400									*3000	*3000	9.81



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 load linkage point on the bucket.
3. Lifting capacity cannot exceed 75% of over tipping capacity or 87% of full hydraulic capacity.
4. Values marked with (*) are limited by hydraulic capacity.



GENERAL DIMENSIONS

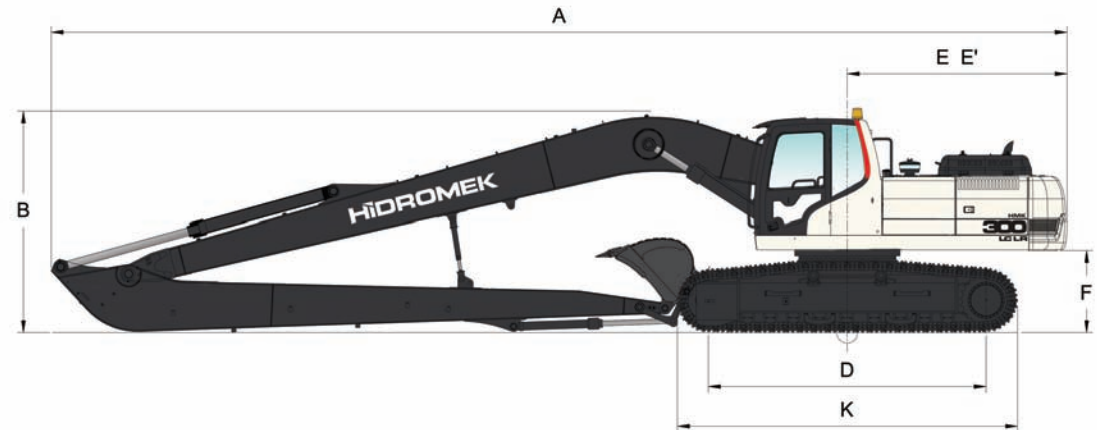
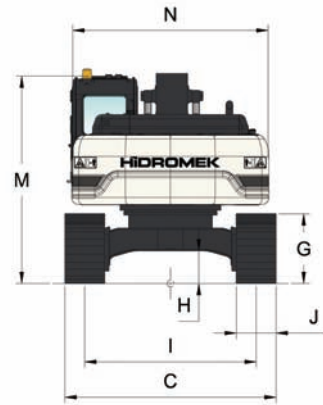
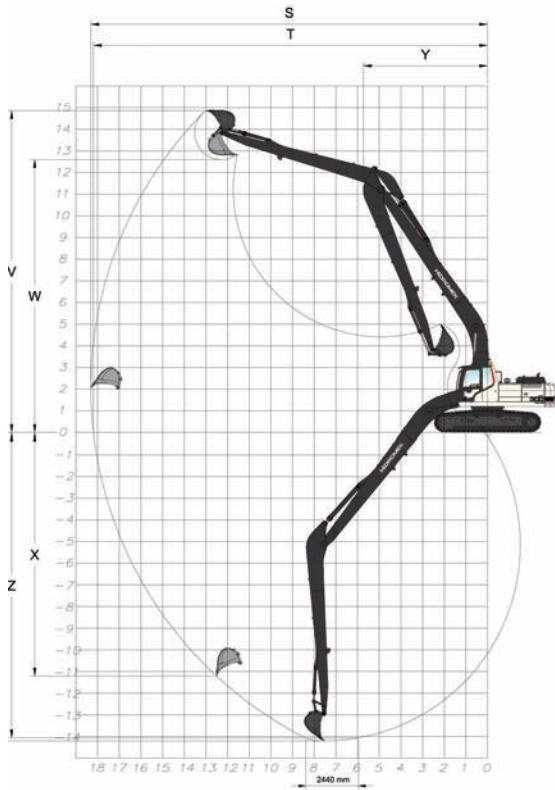
Boom Dimension	6.280 mm		
Arm Dimension	2.100 mm	*2.500 mm	3.070 mm
A - Overall Length	10.860 mm	10.810 mm	10.730 mm
B - Overall Height (to top of boom)	3.550 mm	3.470 mm	3.290 mm
C - Overall Width (LC)	*3.200 / 3.300 / 3.400 mm		
C - Overall Width (NLC)	*2.990 / 3.090 / 3.190 mm		
D - Idler Distance	4.030 mm		
E - Counterweight Distance	3.190 mm		
E' - Turning Radius	3.240 mm		
F - Upper Structure Ground Clearance	1.190 mm		
G - Crawler Height	1.060 mm		
H - Minimum Ground Clearance	500 mm		
I - Track Gauge (LC/NLC)	*2.600 mm / 2.390 mm		
J - Shoe Width	*600 / 700 / 800 mm		
K - Overall Length of Crawler	4.940 mm		
L - Length Over Ground	7.530 mm	6.780 mm	5.860 mm
M - Overall Height (to Top of Cab)	3.160 mm		
N - Upper Structure Width	2.990 mm		

* Standard

WORKING DIMENSIONS

Boom Dimension	6.280 mm		
Arm Dimension	2.100 mm	*2.500 mm	3.070 mm
S - Maximum Digging Reach	10.020 mm	10.370 mm	10.910 mm
T - Maximum Digging Reach at Ground Level	9.800 mm	10.160 mm	10.710 mm
U - Maximum Digging Depth	6.370 mm	6.770 mm	7.340 mm
V - Maximum Digging Height	9.860 mm	9.990 mm	10.280 mm
W - Maximum Dumping Clearance	6.860 mm	7.010 mm	7.290 mm
X - Maximum Vertical Digging Depth	4.980 mm	5.240 mm	5.850 mm
Y - Minimum Swing Radius	4.450 mm	4.360 mm	4.270 mm
Z - Maximum Digging Depth (2440 mm level)	6.150 mm	6.570 mm	7.170 mm

* Standard



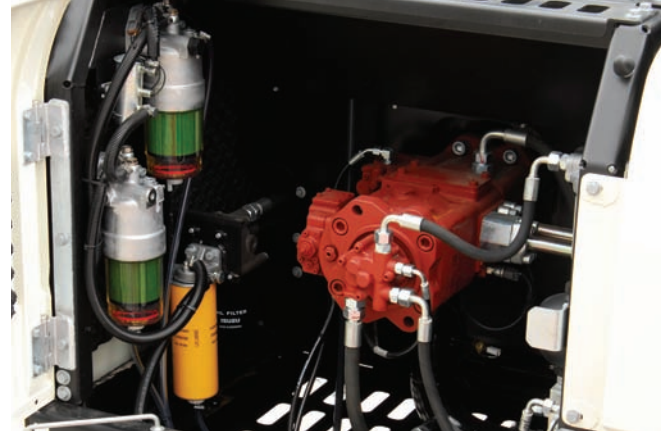
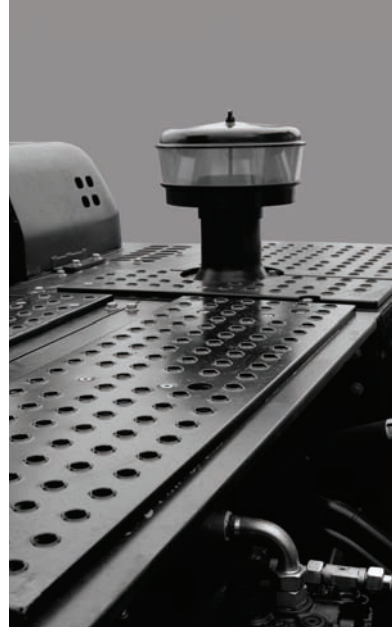
GENERAL DIMENSIONS

Boom Dimension	10.300 mm
Arm Dimension	7.800 mm
A - Overall Length	14.750 mm
B - Overall Height (to top of boom)	3.200 mm
C - Overall Width	3.200 / 3.300 / *3.400mm
D - Idler Distance	4.030 mm
E - Counterweight Distance	3.190 mm
E' - Turning Radius	3.240 mm
F - Upper Structure Ground Clearance	1.190 mm
G - Crawler Height	1.060 mm
H - Minimum Ground Clearance	500 mm
I - Track Gauge	2.600 mm
J - Shoe Width	600 / 700 / *800 mm
K - Overall Length of Crawler	4.940 mm
M - Overall Height (to Top of Cab)	3.160 mm
N - Upper Structure Width	2.990 mm

* Standard

WORKING DIMENSIONS

S - Maximum Digging Reach	18.310 mm
T - Maximum Digging Reach at Ground Level	18.190 mm
U - Maximum Digging Depth	14.210 mm
V - Maximum Digging Height	14.860 mm
W - Maximum Dumping Clearance	12.590 mm
X - Maximum Vertical Digging Depth	11.220 mm
Y - Minimum Swing Radius	3.680 mm
Z - Maximum Digging Depth (2440 mm level)	14.100 mm





✓ Special Equipment List

2.1 m and 3.07 arm
 Various size buckets
 Automatic lubrication system
 Hydraulic breaker line
 Rotator line
 Boom safety valve
 Arm safety valve
 Overload warning system
 Beacon lamp
 700, 800 mm track
 Hydraulic breaker
 Hydraulic Quick Coupler
 Ripper
 Additional working lamp at the front
 Additional working lamp at the rear
 Windscreen protective netting
 Headlights

Hidromek Smart Link
 Camera
 Rotational moving hydraulic shear
 installation
 Additional hydraulic line (210 bar, 40 L/min)
 Orange peel grab , 0,8m³ (without rotator,
 semi-opened, quintette grousers)
 Full track guard

✓ Standard Equipment List

Radio/MP3
 Air conditioner
 Cab heating system
 Cab conforming to 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



HIDROMEK

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Your Local Distributor:

FACTORY - HEADQUARTERS

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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