

GEN **HMK300^{PLUS}**
SERIES EXCAVATOR

NEW!



HIDROMEK[®]



Less time more work!

NEW!

With less fuel consumption more productivity is achieved with the new **HMK 300LC PLUS**.

**+ %10
FASTER**

**+ %17
MORE PRODUCT**

**+ %7
MORE EFFICIENT**

* The given data is monitored via HP digging mode compared to previous model test results.

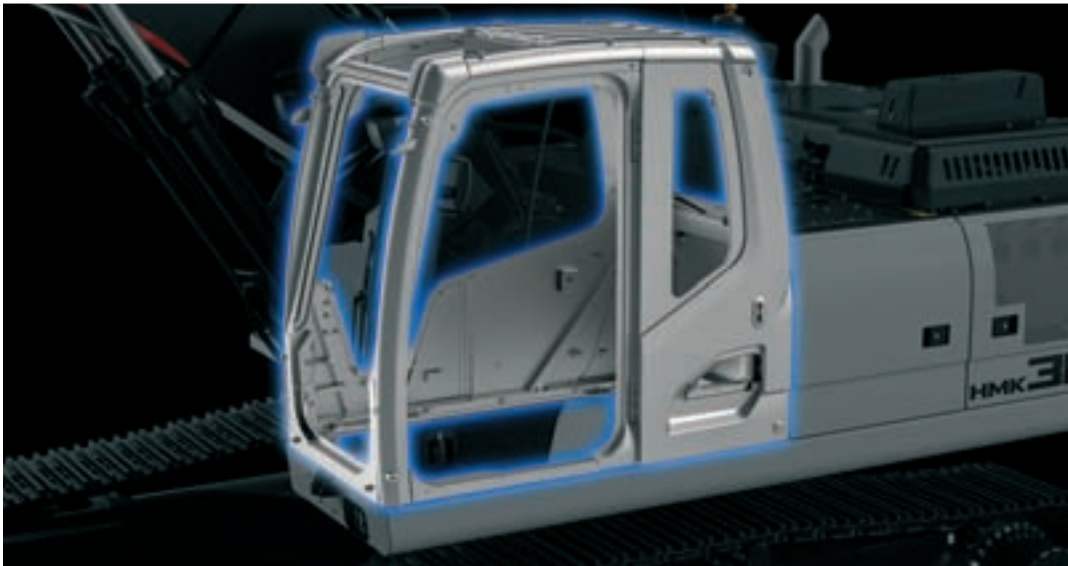
CAB

HMK 300LC PLUS 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 300LC PLUS 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.



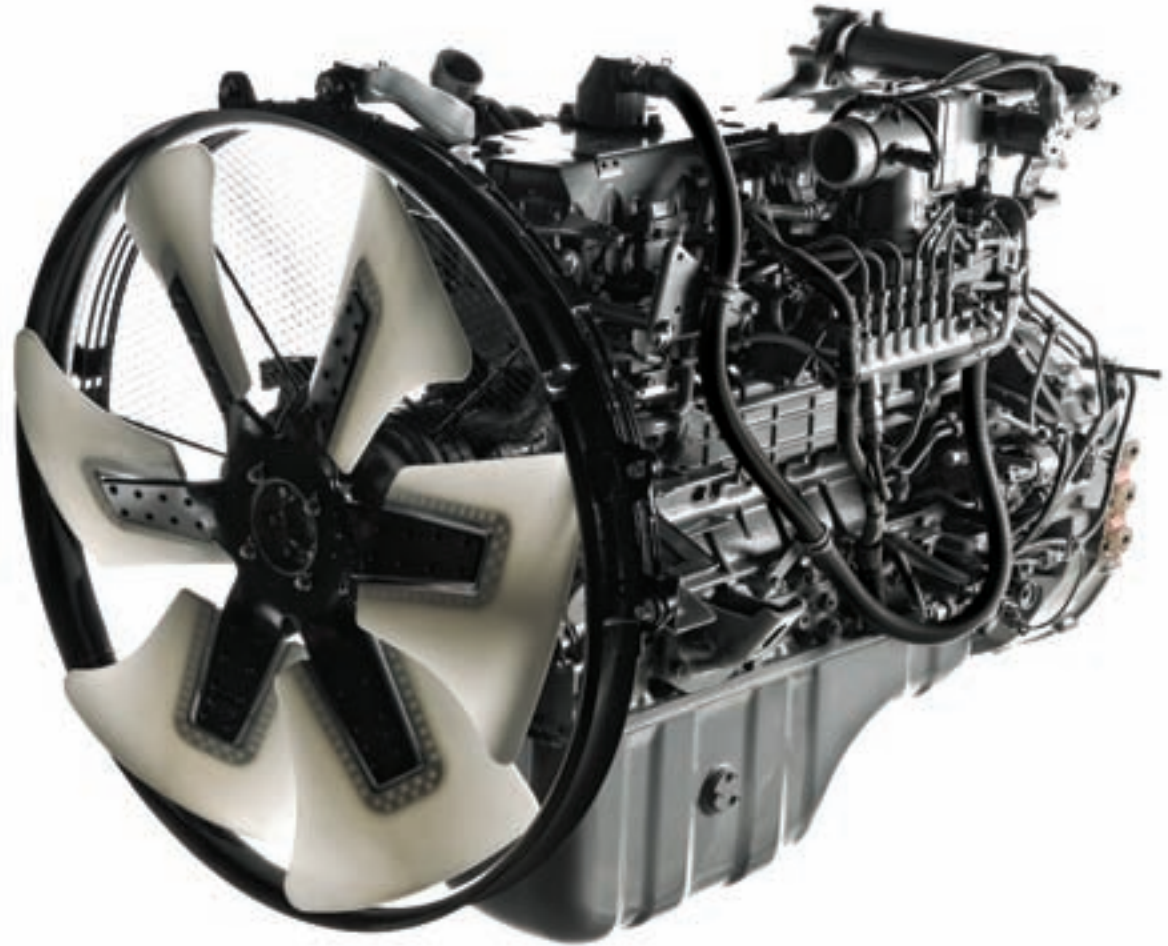
ROPS

With FOPS cabin the operator is protected even in the harshest working conditions, protective working environment is achieved even without additional protection on cabin's ceiling.



ENGINE

“An Extraordinary Engine”



Diesel Engine

Max. Power (SAE J1995) : 216 HP (161 kW) @1800 rpm

Max. Torque : 940 Nm @1500 rpm

An extraordinary engine...

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

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



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.

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

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 performans 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 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.

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.



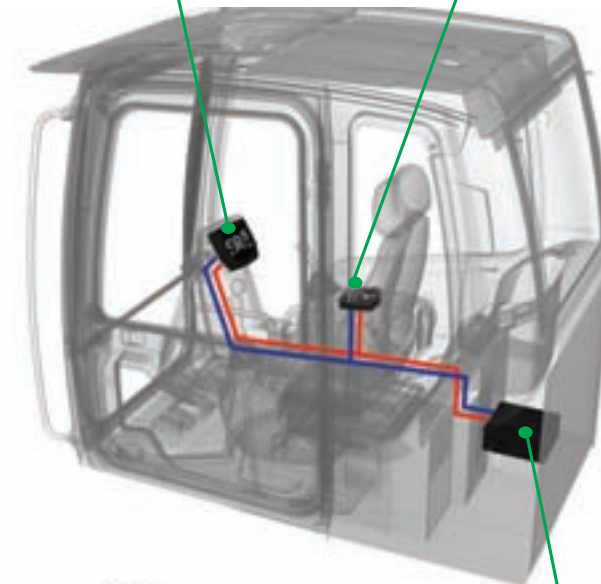
EXCAVATOR



Coloured TFT Display



Instrument Panel



Electronic Control Unit



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 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.

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.

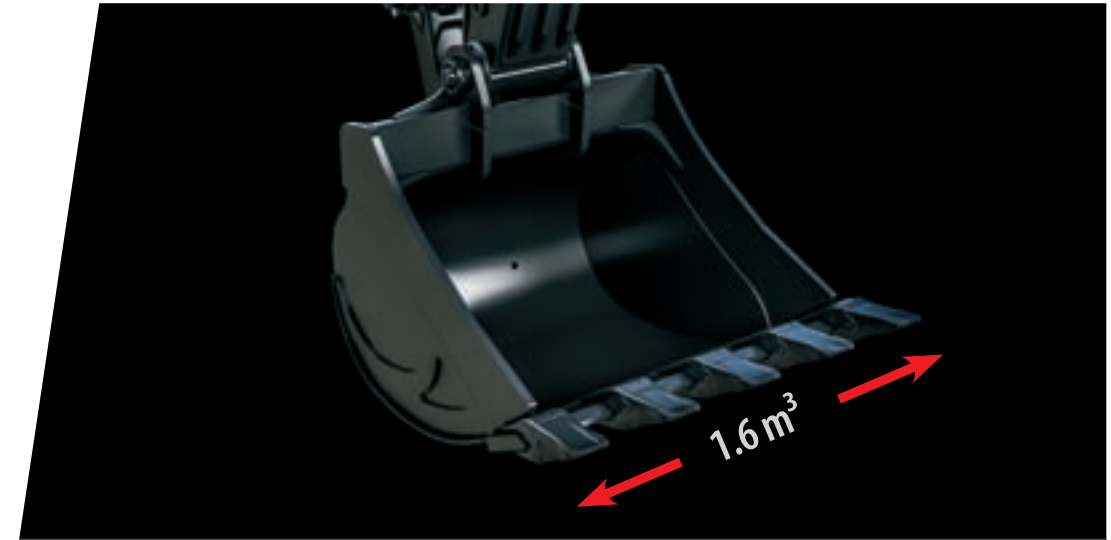
The advanced hydraulic system provides easy maintenance and thus decreases spare part costs.

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.

Bigger!
Bigger!



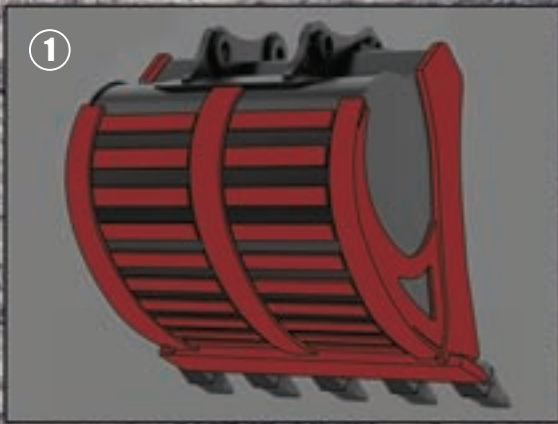
BUCKET CAPACITY With increased bucket capacity HMK 300LC PLUS became more productive.

Smarter!
Smarter!

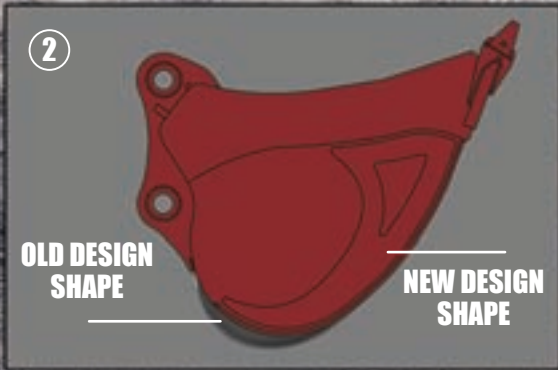


AUTOMATIC STOP

With Automatic Stop as a standard feature for HMK 300LC PLUS less fuel is consumed therefore less operating cost is achieved. After 180 seconds on idle RPM the machine will automatically stop saving fuel and protecting the environment.



**LONG LIFE ANTI-WEARING PLATE
(HARDOX 450)**



OPTIMIZED BUCKET DESIGN



HEAVY DUTY TYPE BUCKET LINK



**More
durable!**



REINFORCED CASTING TIP



REINFORCED ARM PARTS



HEAVY DUTY TYPE ARM



SINGLE PIECE INSTALLATION



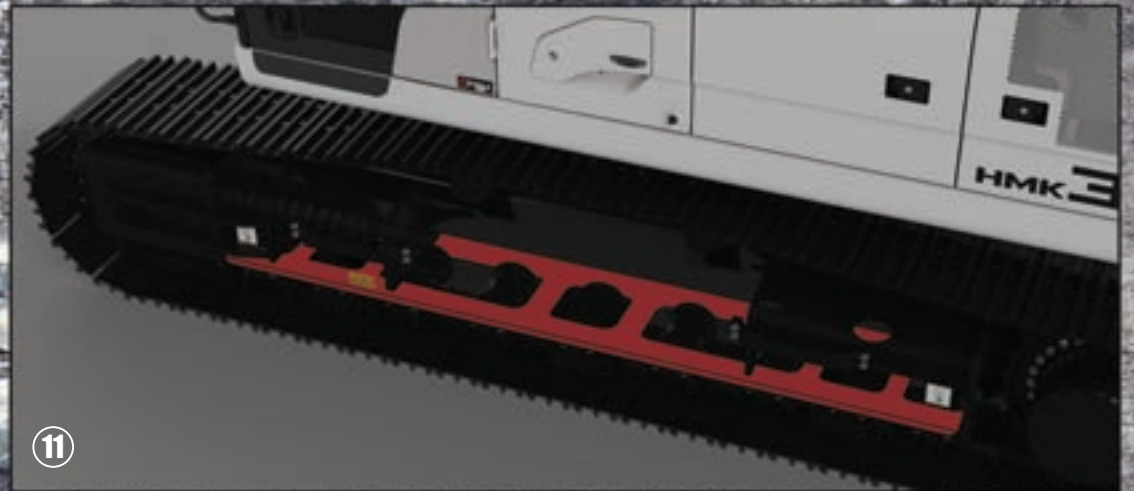
REINFORCED BOOM STRUCTURE



REINFORCED BOOM HYDRAULIC CYLINDER BEARING



HEAVY DUTY TYPE TRACK SHOES



REINFORCED SINGLE PIECE TRACK CARRIER

More comfortable!



WIDE WINDSHIELD WIPER

Using the newly designed two-piece windshield wiper system the operator wide angle sightview has been increased thus creating more comfortable work environment and increasing work efficiency as well.



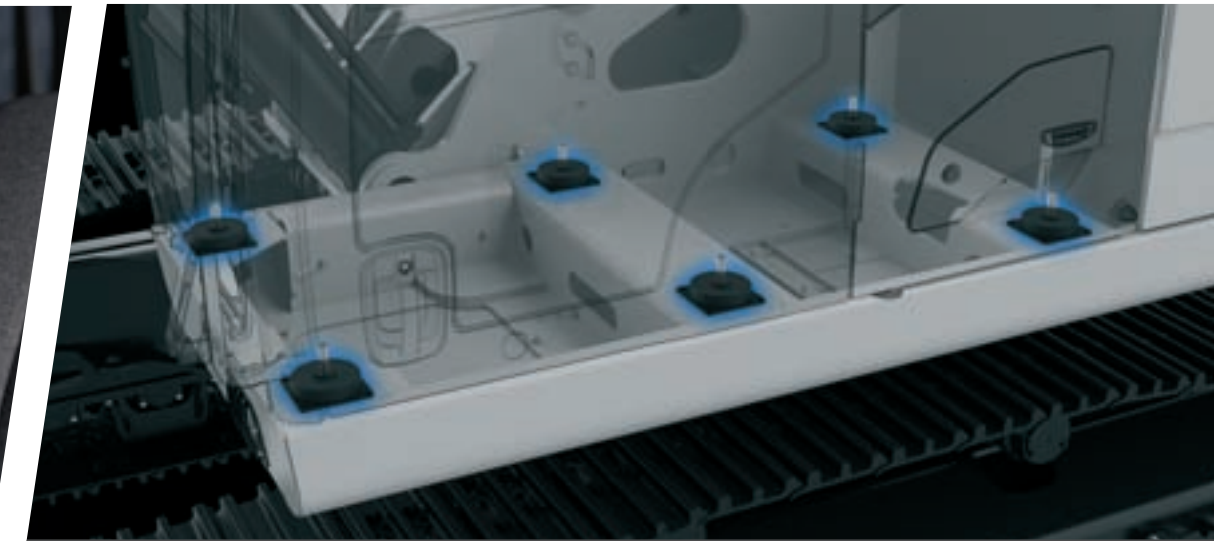
AIR SUSPENSION SEAT

As a standard feature to increase operator's comfort with long working hours ergonomically designed air suspension seat the operator is less fatigued.



AUTOMATIC AIR CONDITIONING SYSTEM

By redesigning cabin air vents and air conditioning system 30% improvement is achieved, thus the cooling performance became the best in its class.



CABIN DAMPERS

By using 6 silicone dampers more vibration is absorbed and less noise affecting the cabin.

TECHNICAL SPECIFICATIONS

EXCAVATOR

ENGINE

Emission Class	: Stage III-A (Tier 3), (UNECE R96)	: Stage III-B (Interim Tier 4)
Brand, Model	: ISUZU-AH-6HK1X	: ISUZU-AH-6HK1X
Type	: Water cooled diesel engine, 4 cycles, 6 cylinders, line type direct injection, turbocharger and intercooler	: Water cooled diesel engine, 4 cycles, 6 cylinders, line type direct injection, turbocharger and intercooler
Power	: 216 HP (161 kW) @1800 rpm / SAE J1995 (Gross) : 202 HP (151 kW) @1800 rpm / SAE J1349 (Net)	: 216 HP (161 kW) @1800 rpm / SAE J1995 (Gross) : 202 HP (151 kW) @1800 rpm / SAE J1349 (Net)
Maximum Torque	: 940 Nm @1500 rpm (Gross) : 903 Nm @1500 rpm (Net)	: 940 Nm @1500 rpm (Gross) : 900 Nm @1500 rpm (Net)
Displacement	: 7790 cc	: 7790 cc
Bore x Stroke	: 115 mm x 125 mm	: 115 mm x 125 mm
This new engine complies with the Emission Regulations U.S EPA Tier 4 and EU Stage III-A		This new engine complies with the Emission Regulations U.S EPA Interim Tier 4 and EU Stage III-B

HYDRAULIC SYSTEM

Main Pump	
Type	: 2 axial piston type pumps with doublevariable displacement and inclined plate
Max. Flow Rate	: 2 x 259 L/min
Pilot Pump	: Gear type, 27 L/min (15 cc/rev)

Working Pressures

Cylinders	: 350 kgf/cm ²
Power Boost	: 380 kgf/cm ²
Travel	: 350 kgf/cm ²
Swing	: 285 kgf/cm ²
Pilot	: 40 kgf/cm ²

Cylinders

Boom (300LC PLUS/NLC)	: 2 x ø 135 x ø 95 x 1.455 mm
Arm (300LC PLUS/NLC)	: 1 x ø 150 x ø 105 x 1.760 mm
Bucket (300LC PLUS /NLC)	: 1 x ø 135 x ø 95 x 1.195 mm
Boom (300LC LR)	: 2 x ø 140 x ø 100 x 1.455 mm
Arm (300LC LR)	: 1 x ø 160 x ø 110 x 1.760 mm
Bucket (300LC LR)	: 1 x ø 100 x ø 70 x 910 mm

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
Full Trackguard	: 2 x 3 units
Track Tensioning	: Hydraulic type with spring cushioning

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	: 10,2 rpm

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 / 150 Ah
Alternator	: 24 V / 50 A
Starting Motor	: 24 V / 5,0 kw

FILLING CAPACITIES

Fuel Tank	: 480 L	Engine Oil	: 36 L
Hydraulic Tank	: 209 L	Swing Reducer	: 7 L
Hydraulic System	: 400 L	Travel Reducer	: 2x9,5 L
Engine Cooling Sys.	: 36 L		

TRAVEL AND BRAKES

Travel	: Fully hydrostatic
Travel Motor	: Axial piston motor with 2 speed stages and inclined plate
Reduction	: Planetary gear system with 2 stages
Travel Speed	
High Speed	: 5,1 km/h
Low Speed	: 2,9 km/h
Max Traction	: (300LC PLUS) 25.490 kgf : (300NLC) 25.410 kgf : (300LCLR) 25.035 kgf
Gradeability	: 35° (70%)
Parking Brake	: Hydraulic, disc type with automatic warning
Ground pressure (600mm) (300LC PLUS)	: 0,61 kgf/cm ²
Ground pressure (600mm) (300NLC)	: 0,62 kgf/cm ²
Ground pressure (800mm)(300LC LR)	: 0,50 kgf/cm ²

OPERA CONTROL SYSTEM

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

LUBRICATION

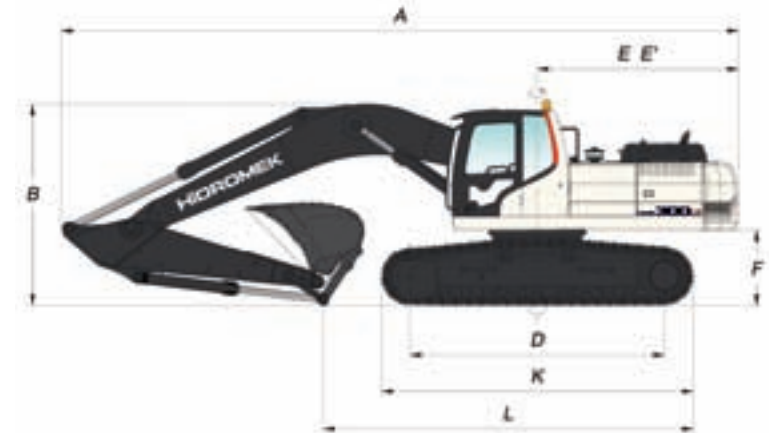
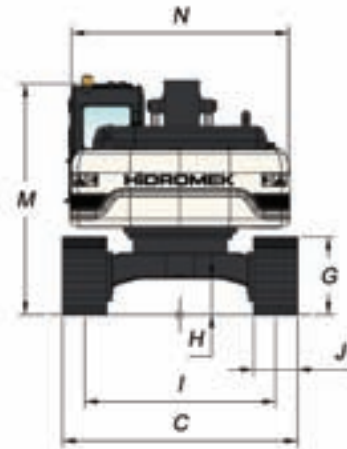
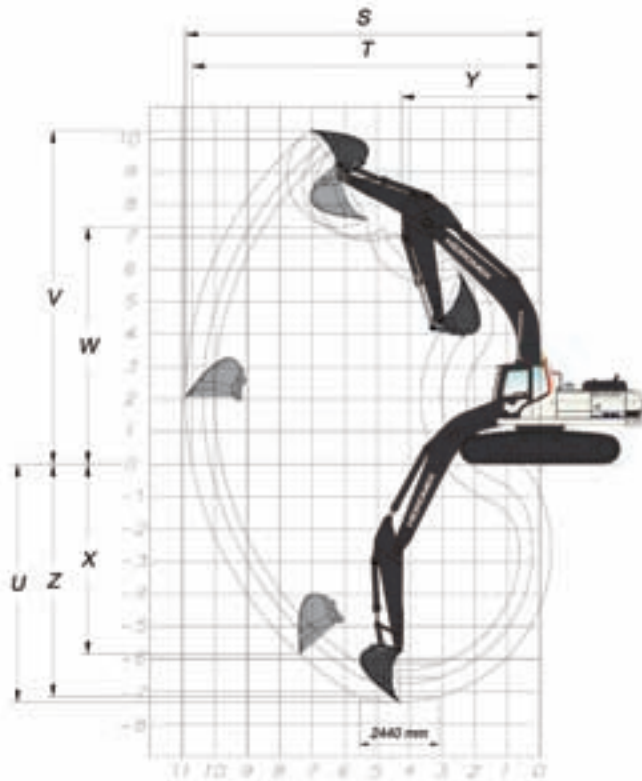
A central lubrication system is available in order to lubricate difficult-to-reach points such as boom and arm.

WEIGHT

Standard machine operating weight (300LC PLUS)	: 31.900 kg
Standard machine operating weight (300NLC)	: 32.600 kg
Standard machine operating weight (300LC LR)	: 34.550 kg

Operational weight, complying with the ISO 6016 standards, includes full fuel tank, hydraulic system and other liquids, 75 kg operator weight and standard equipped machine weight. Optional equipments are not included.

DIMENSIONS



GENERAL DIMENSIONS

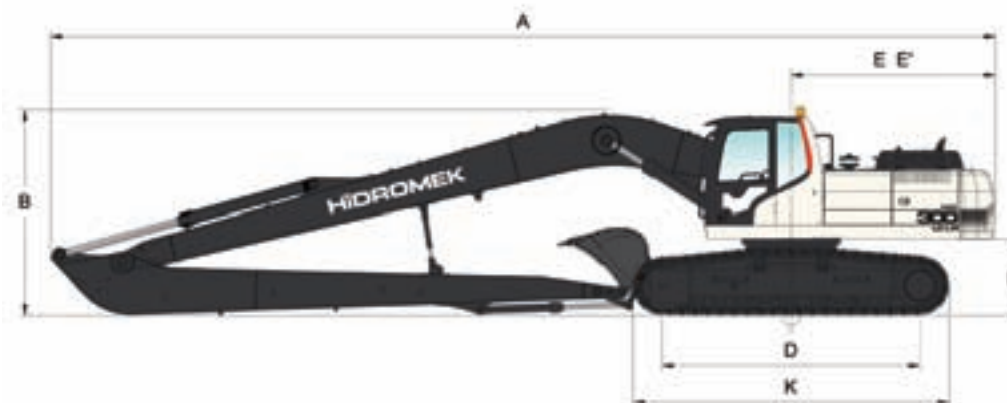
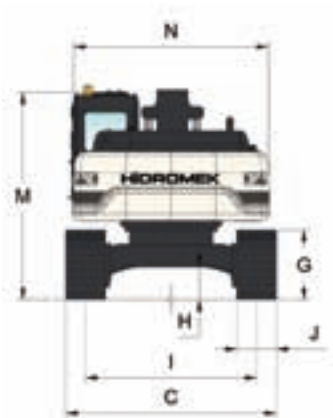
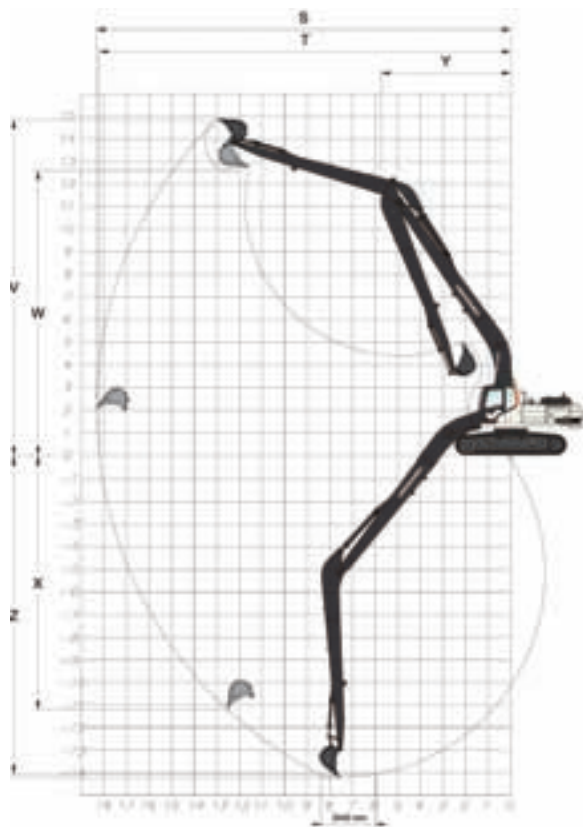
Boom Dimension	6.280 mm		
Arm Dimension	2.100 mm	*2.500 mm	3.070 mm
A - Overall Length	10.880 mm	10.830 mm	10.740 mm
B - Overall Height (to top of boom)	3.580 mm	3.490 mm	3.320 mm
C - Overall Width (LC)	*3.200 / 3.300 / 3.400 mm		
C' - Overall Width (NLC)	*2.990 / 3.090 / 3.190 mm		
D - Idler Distance	4.030 mm		
E - Counterweight Distance	3.190 mm		
E' - Turning Radius	3.240 mm		
F - Upper Structure Ground Clearance	1.210 mm		
G - Crawler Height	1.070 mm		
H - Minimum Ground Clearance	500 mm		
I - Track Gauge (LC)	2.600 mm		
I' - Track Gauge (NLC)	2.390 mm		
J - Shoe Width	*600 / 700 / 800 mm		
K - Overall Length of Crawler	4.950 mm		
L - Length Over Ground	7.540 mm	6.780 mm	5.860 mm
M - Overall Height (to Top of Cab)	3.140 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	9.790 mm	10.150 mm	10.700 mm
U - Maximum Digging Depth	6.360 mm	6.760 mm	7.330 mm
V - Maximum Digging Height	9.860 mm	9.990 mm	10.290 mm
W - Maximum Dumping Clearance	6.870 mm	7.020 mm	7.300 mm
W' - Minimum Dumping Clearance	3.790 mm	3.310 mm	2.760 mm
X - Maximum Vertical Digging Depth	4.890 mm	5.140 mm	5.780 mm
Y - Minimum Swing Radius	4.440 mm	4.360 mm	4.280 mm
Z - Maximum Digging Depth (2440 mm level)	6.140 mm	6.560 mm	7.160 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 / *3.400 mm
D - Idler Distance	4.030 mm
E - Counterweight Distance	3.190 mm
E' - Turning Radius	3.240 mm
F - Upper Structure Ground Clearance	1.150 mm
G - Crawler Height	1.070 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	4.950 mm
L - Length Over Ground	18.300 mm
M - Overall Height (to Top of Cab)	3.140 mm
N - Upper Structure Width	2.990 mm

* Standard

WORKING DIMENSIONS


Boom Dimension	10.300 mm
Arm Dimension	7.800 mm
S - Maximum Digging Reach	18.310 mm
T - Maximum Digging Reach at Ground Level	18.190 mm
U - Maximum Digging Depth	14.200 mm
V - Maximum Digging Height	14.860 mm
W - Maximum Dumping Clearance	12.600 mm
W' - Minimum Dumping Clearance	2.550 mm
X - Maximum Vertical Digging Depth	11.220 mm
Y - Minimum Swing Radius	5.930 mm
Z - Maximum Digging Depth (2440 mm level)	14.090 mm

* Standard

ACCESSORIES



STANDARD BUCKET

HEAVY DUTY TYPE

		
Width	1.490 mm	
Capacity	*1,60 m ³	
Weight	1.370 kg	
Number of teeth	5	
ARM	2,10 m	A
	*2,50 m	B
	3,07 m	C

* Standard

OPTIONAL BUCKET SELECTION DIAGRAM

							
650 mm	750 mm	1.300 mm	1.500 mm	1.095 mm	1.270 mm	1.410 mm	1.550 mm
0,55 m ³	0,60 m ³	1,25 m ³	1,50 m ³	1,10 m ³	1,30 m ³	1,50 m ³	1,70 m ³
730 kg	740 kg	1.060 kg	1.1160 kg	1.120 kg	1.220 kg	1.340 kg	1.400 kg
3	3	5	5	4	4	5	5
A	A	A	B	A	A	A	B
A	A	B	C	A	A	B	C
B	A	C	D	A	B	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)	17.400 (18.900) kgf	17.400 (18.900) kgf	17.500 (19.000) kgf
	Arm breakout force (power boost)	15.800 (17.200) kgf	18.800 (20.500) kgf	13.100 (14.300) kgf
ISO	Bucket digging force (power boost)	19.800 (21.500) kgf	19.800 (21.500) kgf	19.900 (21.600) kgf
	Arm breakout force (power boost)	16.500 (17.900) kgf	19.700 (21.400) kgf	13.600 (14.800) kgf

* Standard

STANDARD BUCKET


HEAVY DUTY TYPE

						
Width	985 mm		2.000 mm		2.000 mm	
Capacity	0,6 m ³		0,6 m ³		0,6 m ³	
Weight	500 kg		650 kg		495 kg	
Number of teeth	4		-		-	
ARM	7,8 m	A	A		A	

* Tilt angle 2 x 35°

DITCH CLEANING BUCKETS

BREAKOUT FORCES

		
SAE	Arm length	7,8 m
	Bucket digging force	6.400 kgf
ISO	Arm breakout force	4.700 kgf
	Bucket digging force	7.300 kgf
	Arm breakout force	4.700 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

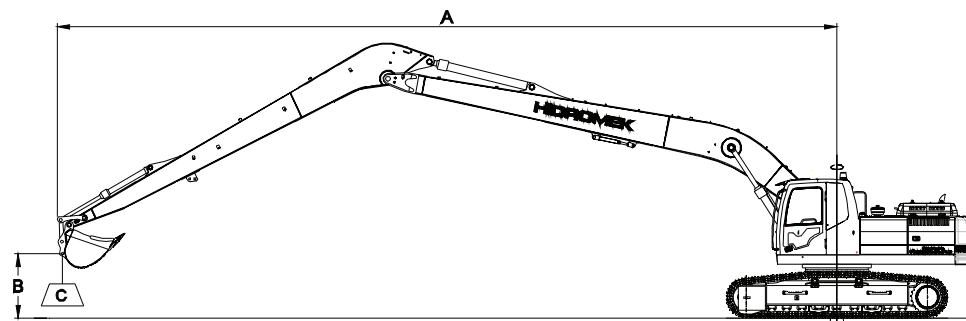
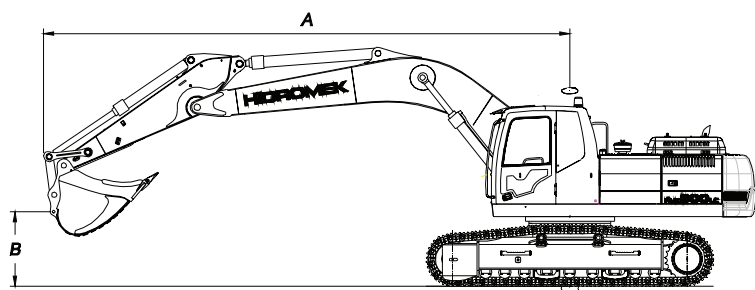
EXCAVATOR

HMK 300LC PLUS Boom: 6,28 m, Arm: 2,50 m, Bucket: 1,60 m³ (SAE), Shoe: 600 mm

A, m	Load Unit	1,5		3,0		4,5		6,0		7,5		9,0		Maximum Reach		
		↑	↔	↑	↔	↑	↔	↑	↔	↑	↔	↑	↔	↑	↔	A, m
7,5	kg													*5150	*5150	7,13
6,0	kg									*5500	5250			*5050	4500	8,08
4,5	kg					*8500	*8500	*6800	*6800	*5950	5050			*5200	3800	8,66
3,0	kg					*11350	10850	*8150	6900	*6650	4750			*5550	3450	8,95
1,5	kg					*13550	9900	*9400	6450	*7350	4500			5750	3300	8,98
0 (ground)	kg					*14500	9550	*10200	6150	*7600	4350			5950	3350	8,75
- 1,5	kg			*14300	*14300	*14500	9500	*10450	6000	*7500	4250			6500	3700	8,24
- 3,0	kg	*16300	*16300	*19600	*19600	*13650	9650	*10050	6100					*7700	4450	7,38
- 4,5	kg			*16300	*16300	*11650	10050	*8350	6400					*8300	6350	6,04
- 6,0	kg															

HMK 300LC LR Boom: 10,3 m, Arm: 7,8 m, Bucket: 0,6 m³ (SAE), Shoe: 800 mm

A, m	Load Unit	3,0		6,0		9,0		12,0		15,0		Maximum Reach				
		↑	↔	↑	↔	↑	↔	↑	↔	↑	↔	↑	↔	A, m		
12,0	kg													*1200	*1200	14,11
9,0	kg													*1850	*1850	15,82
6,0	kg								*2250	*2250	*2050	1950		*1200	*1200	16,83
3,0	kg	*5550	*5550	*5300	*5300	*3500	*3500	*2700	*2700	*2300	1750			*1350	1200	17,26
0 (ground)	kg	*1550	*1550	*7500	6600	*4450	3750	*3200	2350	*2550	1500			*1550	1100	17,16
- 3,0	kg	*2550	*2550	*6250	5650	*5150	3200	*3600	2050	2700	1350			*1950	1100	16,51
- 6,0	kg	*3800	*3800	*7100	5500	*5400	3000	3650	1900	2650	1300			2550	1250	15,25
- 9,0	kg	*5300	*5300	*7900	5750	*5100	3050	*3550	1950					*3050	1700	13,20
- 12,0	kg	*7250	*7250	*6000	*6000	*3900	3450							*3400	3000	9,87



- A Load Radius
- B Load Point Height
- C Lifting Capacity

WARNING

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

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.

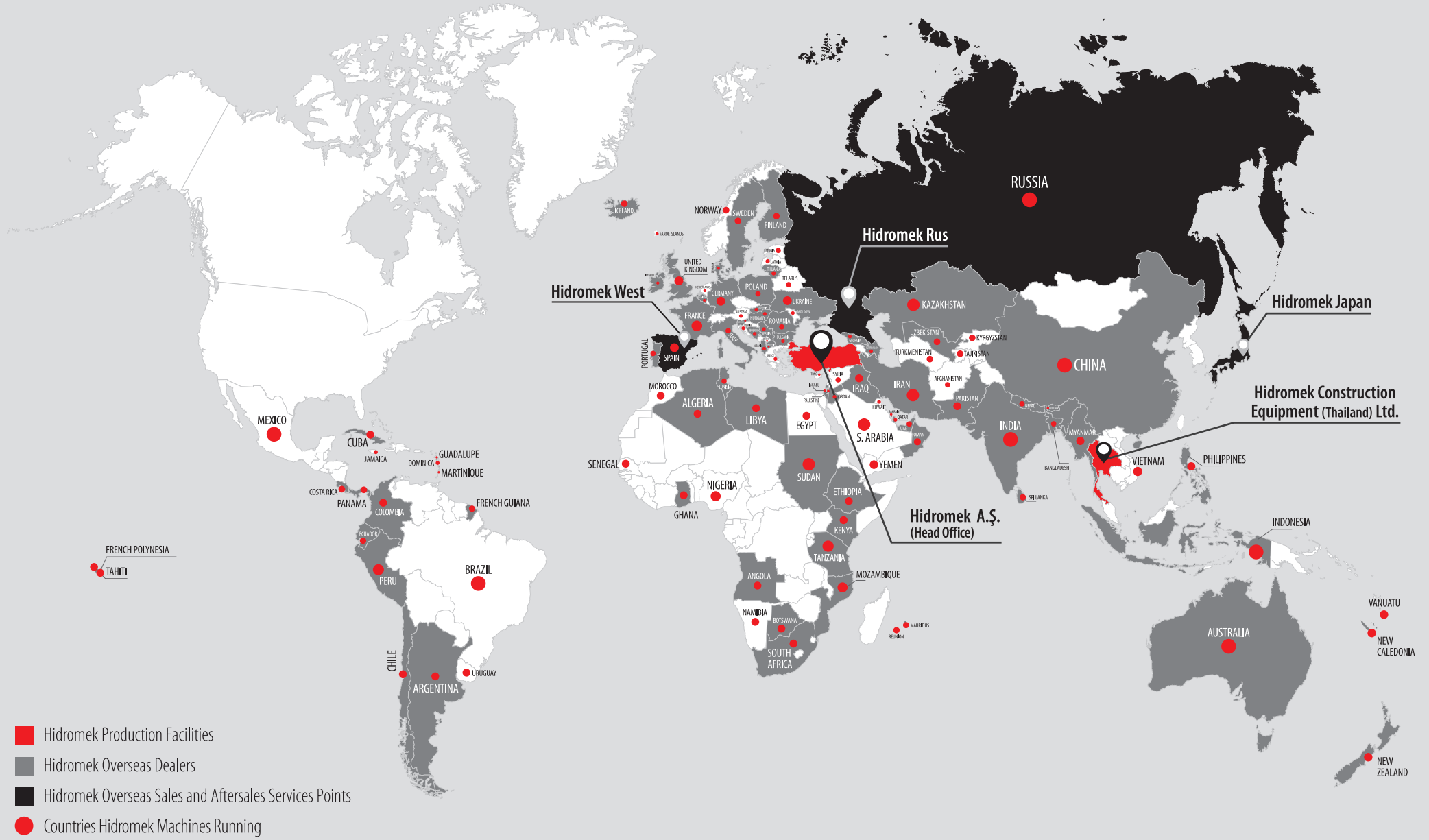


Special Equipment List

- 2,1 m and 3,07 arm
- Various size buckets
- Automatic lubrication system
- Rotator line
- Boom safety valve
- Arm safety valve
- Overload warning system
- Beacon lamp
- 700, 800 mm track
- Hydraulic breaker
- Hydraulic Quick Coupler
- Ripper
- Windscreen protective netting
- Headlights
- HiDROMEK Smart Link
- Rotational moving hydraulic shear installation
- Additional hydraulic line (210 bar, 40 L/min)
- Orange peel grab, 0,8 m³ (without rotator, semi-opened, quintette grousers)
- Full track guard
- Air suspension seat with heated

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
- Hydraulic breaker line
- 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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