HYDRAULIC EXCAVATOR

HMK 300LC

HİDROMEK®

ENGINE

Model	: Mitsubishi 6D16-TLU2J
Type	: Water-cooled, 4 cycle, 6 cylinders, line type direct injection, turbocharger, intercooler, diesel engine.
Power	: 216 HP/ 2150 rpm SAE 1995
Max. Torque	: 854 Nm /1600 rpm
Displacement	: 7.540 cc
Bore and Stroke	: 118 mm x 115 mm

UNDERCARRIGE

X Type Lower Frame Construction Pentagon Box Type Chassis.

Shoe	: Triple grouser
No. Of Shoes	: 2 x 51
No. Of Lower Rollers	: 2 x 9
No. Of Upper Rollers	: 2 x 2
Track Tensioning	: Hydraulic Spring Tensioning.

CAB

- High capacity air conditioner.
- Reduced vibration and noise transfer with 6 silicon oil&rubber cab mountings.
- Ergonomically designed operator's multi-adjustable seat.

SWING SYSTEM

Engine	: Axial piston type integrated with shock absorber valves.
Reduction	: 2 stage planetary gear box.
Swing Brakes	: Hydraulic multi disc type.
Swing Speed	: 11.4 rpm.

TRAVEL AND BRAKES

Travel	: Fully hydrostatic.
Travel Motors	: Axial piston type.
Reduction	: 3 stage planetary gear.
Travel Speed	
High Speed	: 4.9 km/h
Low Speed	: 3.2 km/h
Max. Drawbar Pull	: 25.850 kgf
Gradeability	: 35° (%70)
Parking Brake	: Hydraulic multi disc type.

HYDRAULIC SYSTEM

Main Pump

Type	: Double variable displacement axial piston pumps.
Max. Flow	: 2 x 260 lt /min
Pilot Pump	: Gear 27 lt /min

Relief Valves

Attachment (Boom, Arm, Bucket)	: 330 kgf / cm^2
Power Boost	: 360 kgf / cm^2
Travel	: 360 kgf / cm^2
Swing	: 285 kgf / cm^2
Pilot	: 40 kgf / cm^2

Hydraulic Engines

Travel : 2 speed axial piston type motors with braking valves.

Swing : Axial piston type motor.

Cylinders

Main Boom	: 2 x 140 x 100 x 1.445 mm
Stick Cylinder	: 1 x 160 x 110 x 1.760 mm
Bucket Cylinder	: 1 x 140 x 100 x 1.195 mm

(AECS) Advanced Electronic Control System

Computer Aided Advanced Electronic Control System with multi-language computer menu, designed to maintain maximum performance and efficiency at various and hard operating conditions. Saves fuel by regulating engine and pump according to the operating conditions.

CAPACITY

Fuel Tank	:	483 lt	Engine Oil	:	28 lt
Hydraulic Tank	:	205 lt	Swing Reduction	:	6 lt
Hydraulic System	:	370 lt	Travel Reduction	:	2x9.5 lt
Radiator	:	35 lt			

ELECTRICAL SYSTEM

Voltage	: 24 V
Battery	: 2 x 12 V x 150 AH
Alternator	: 24 V / 50 A
Starting Motor	: 5 KW

LUBRICATION

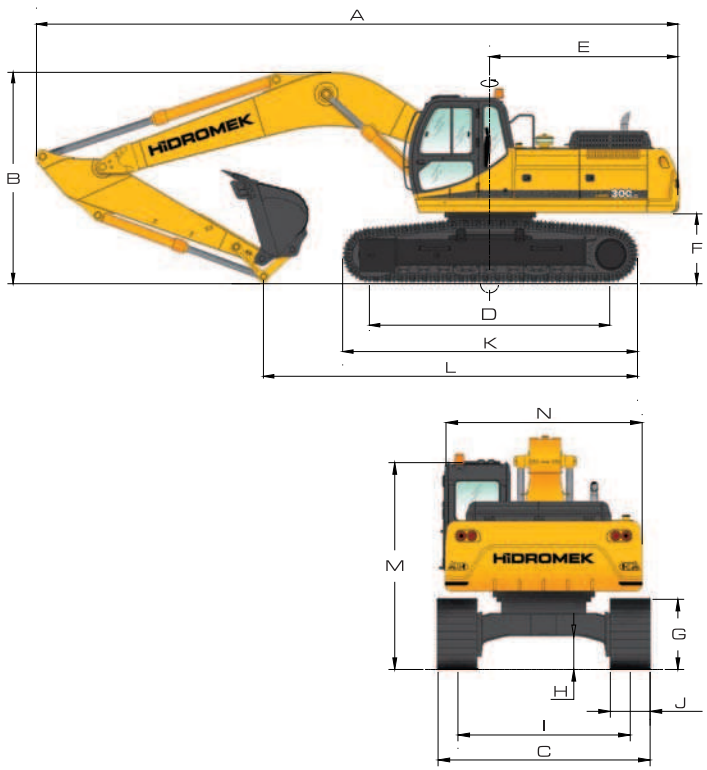
Centralized lubrication system is provided for lubricating all difficult-to-reach parts on the components, such as boom and arm.

OPERATING WEIGHT

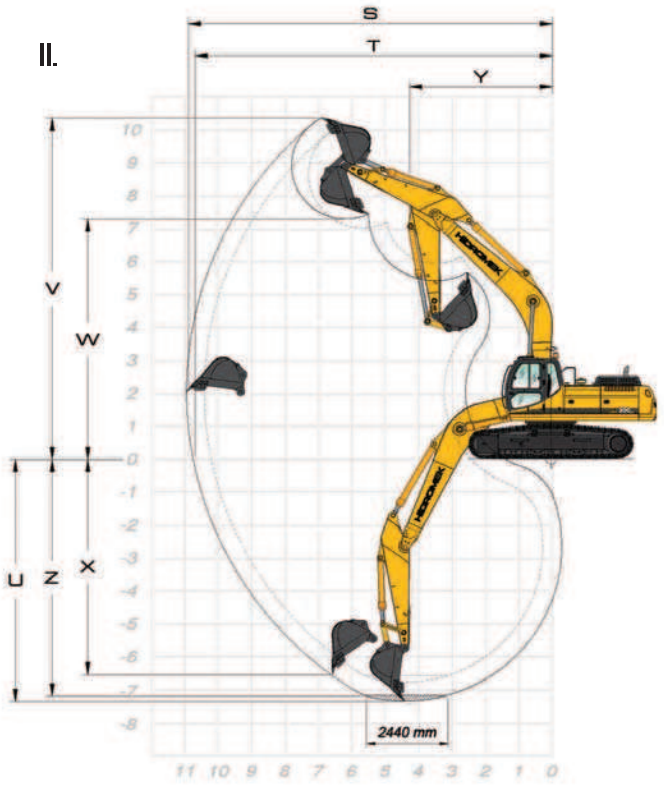
30.500 kg

HMK 300LC

I.



II.



I. GENERAL DIMENSIONS

A . Overall Length	10,780 mm
B . Overall Height (Of Top Of Bottom)	3,540 mm
C . Overall Width (Of Lower Structure)	3,200 mm
D . Idler Distance	4,030 mm
E . Turning Radius	3,220 mm
F . Upperstructure Ground Clearence	1,170 mm
G . Crawler Height	1,060 mm
H . Minimum Ground Clearence	495 mm
I . Track Gauge	2,600 mm
J . Shoe Width	600 mm
K . Overall Length Of Crawler	4,940 mm
L . Length Over Ground	6,270 mm
M . Overall Height (To Top Of Cab)	3,120 mm
N . Upperstructure Width	2,960 mm

II. WORKING DIMENSIONS

S . Maximum Digging Reach	10,370 mm
T . Maximum Digging Reach At Ground Level	10,160 mm
U . Maximum Digging Depth	6,780 mm
V . Maximum Digging Height	10,080 mm
W . Maximum Dumping Clearence	7,030 mm
X . Maximum Vertical Digging Depth	5,930 mm
Y . Minimum Swing Radius	4,300 mm
Z . Digging Depth For 2500 mm Flat Bottom	6,580 mm

April 2008

DIGGER PERFORMANCE

Standard Bucket Capacity	1.49 m^3 (SAE)
Bucket Digging Force (Power Boost)	19,990 (21,800) kgf
Arm Crowding Force (Power Boost)	17,980 (19,620) kgf

BOOM : 6.28 m, ARM : 2.50 m, HEAPED BUCKET CAPACITY 1,49 m^3

HIDROMEK®

FACTORY - HEAD OFFICE
Sincan Organize Sanayi Bölgesi Osmanlı Caddesi No:1 Sincan
06935 / ANKARA / TURKEY
Phone: (+90) 312 267 12 60 • Fax: (+90) 312 267 21 12
www.hidromek.com • e-mail: export@hidromek.com.tr