HMK 85 SR H4 MIDI EXCAVATOR

HIDROMEK®

NEW!

ENGINE

Model	: KUBOTA & V3307-TE5AB-HDM-1
Type	: Water cooled, 4 cycle, 4 cylinders, diesel engine
Power	: 74,3 HP (55,4 kW) @2000 rpm
Max. Torque	: 289 N.m @1400 rpm
Displacement	: 3331 cc
Bore and Stroke	: ø 94 mm x 120 mm
Emission Class	: EU: Stage V

UNDERCARRIAGE

Track width	: 450 mm
Type	: Steel Track
Track	: 3 claws
Number of Track	: 2 x 40
No. Of Lower Rollers	: 2 x 5
No. Of Upper Rollers	: 1 x 2
Track Tensioning	: Hydraulic Spring Tensioning

CAB

- Antiperspirant special fabric seat omprises Active Carbon Layer
- Touchscreen 8" control panel
- Opera Control System
- Sliding type openable windshield and detachable lower windshield
- Sliding glass
- Interior light
- Ceiling compartment
- Cup holder
- Easy clean floor mat
- Radio/Mp3/Usb/Aux integrated into the control panel
- Air-conditioning system integrated into the control panel
- ROPS and FOPS cab

TRAVEL AND BRAKERS

Travel	: Fully hydrostatic
Travel Motors	: 2 speed stages, swash plate, axial piston motor
Reduction	: 2 stage planetry gear
Travel Speed	
High Speed	: 5 km/h
Low Speed	: 2,7 km/h
Max. Drawbar Pull	: 7.115 kqf
Gradeability	: 35° (%70)
Parking Brake	: Pilot operated, hyd. Disc type
Ground Pressure	: 0,39 kqf/cm^2

HYDRAULIC SYSTEM

Main Pump	
Type	: 2 variable displacement, swash plate, axial piston pumps and 1 gear pump
Max. Flow	: 2 x 74 L/min + 50 L/min
Pilot Pump	: Gear Pump, 16 L/min
Relief Valves	
Attachment	: 305 kgf/cm^2
Power Boost	: 326 kgf/cm^2
Travel	: 305 kgf/cm^2
Swing	: 250 kgf/cm^2
Cylinders	
Boom	: 1 x 120 x 75 x 800 mm
Arm	: 1 x 100 x 70 x 900 mm
Bucket	: 1 x 90 x 60 x 720 mm

OPERA CONTROL SYSTEM

- Easy-to-use control panel and menus
- Overheat prevention and protection system without interrupting the work
- Automatical electric power-off
- Maximum efficiency by selection of power and work modes
- Error mode registry and warning system
- Hidromek Smartlink (Optional)
- Automatic preheating
- Automatical powerboost
- Improved fuel economy and productivity
- Automatic idling Selection of multi-language on control panel
- Rear-view, arm-view camera (Optional)
- Possibility to register 27 different operating hours
- Anti-theft system with personal code
- Real time monitoring of operational parameters such as pressure, temperature, engine load

SWING SYSTEM

Swing Motor	: Axial Piston Motor
Reduction	: 2 stage planetary gear box.
Swing Brakes	: Pilot operated, hydraulic disc type
Swing Speed	: 10,8 rpm

CAPACITY

Fuel Tank	: 145 L	Engine Oil	: 13 L
Hydraulic Tank	: 95 L	Radiator	: 19,5 L
Hydraulic System	: 130 L		

ELECTRICAL SYSTEM

Voltage	: 12 V
Battery	: 1 x 12 V 100 Ah
Alternator	: 12V / 90 A
Starting Motor	: 12V / 3 Kw

OPERATING WEIGHT

Standard machine operating weight	: 9.000 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.

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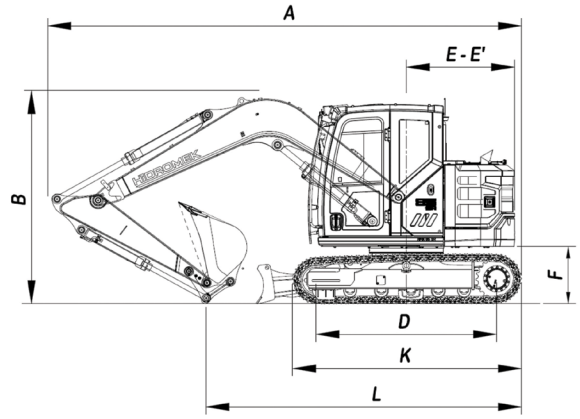

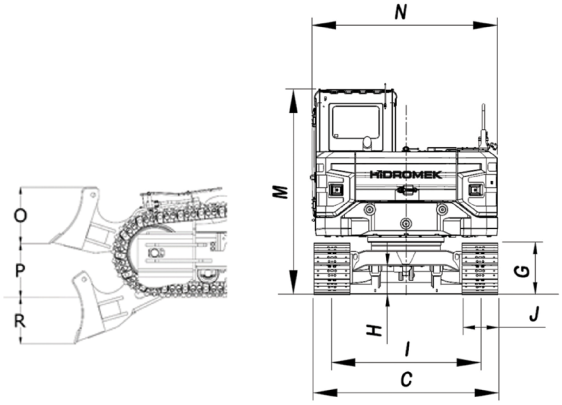

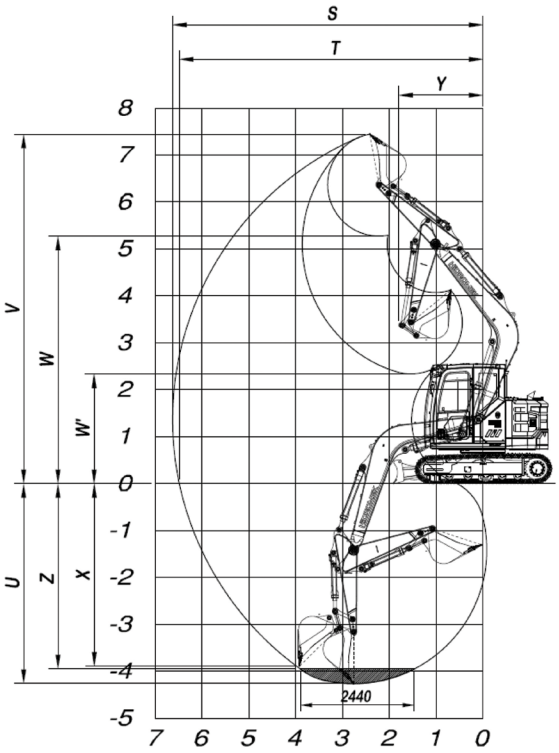

GENERAL DIMENSIONS

Boom dimension		3850 mm
Arm dimension		1750 mm
A	Overall Length	6120 mm
B	Boom Height (Travel)	2750 mm
C	Lower Frame Width	2300 mm
D	Trach Base Length	2320 mm
E	Counterweight Distance	1625 mm
E'	Counterweight Turning Radius	1625 mm
F	Upper Frame Width	740 mm
G	Crawler Height	640 mm
H	Ground Clearance	350 mm
I	Track Gauge	1850 mm
J	Shoe Width	450 mm
K	Lower Chasis Length	2935 mm
L	Lenght on the floor	4100 mm
M	Cab Height	2560 mm
N	Upper Frame Width	2285 mm
O	Dozer Tip From Crawler	480 mm
P	Dozer Blade Distance	410 mm
R	Dozer Blade Height	490 mm

WORKING DIMENSIONS

Boom dimension		3850 mm
Arm dimension		1750 mm
S	Max. Digging Reach	6630 mm
T	Max. Digging Reach At Groung Level	6490 mm
U	Max. Digging Depth	4260 mm
V	Max. Digging Height	7450 mm
W	Max. Dumping Height	5280 mm
W'	Min. Dumping Height	2340 mm
X	Max. Vertical Digging Depth	3750 mm
Y	Min. Swing Radius	1810 mm
Z	Max. Digging Depth (2440mm Level)	3970 mm

DIGGING PERFORMANCE

Standard Bucket Capacity (SAE)	0,34 m^3
Bucket Digging Force (ISO)	6.700 (7.100) kgf
Arm Crowd Force (ISO)	4.700 (5.000) kgf

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