

HX1000

HYDRAULIC EXCAVATOR



Rated Power
570.5kW/2100rpm

Bucket Capacity
5.4~7.2m³

Operating Weight
97,500kg

SPECIFICATIONS

ENGINE

Model	Perkins 2806D
No. of Cylinders	6 Cylinders
Rated Power kW/rpm	570.5 / 2,100
Max.torque Nm/rpm	3,496/1,400
Bore x stroke mm	145×183
Displacement CC	18100
Battery Ea-V×AH	2-12×200
Starting motor V×KW×EA	24×9.0×2
Alternator V×A	24×115

HYDRAULIC SYSTEM

MAIN PUMP

Model	Variable Displacement Piston Pump
Max. Flow	3×523 l/min

PILOT PUMP

Model	Gear Pump
Max. Flow	60 l/min

WORK PRESSURE

Hydraulic Circuit of Working Device	377kg/cm ² (37Mpa)
Traveling Hydraulic Circuit	375kg/cm ² (36.8Mpa)
Swing Hydraulic Circuit	300kg/cm ² (29.4Mpa)

HYDRAULIC CYLINDER

No. of cylinders - Bore x stroke	mm
Boom Cylinder	2-215×150×1,910
Arm Cylinder	1-240×170×2,020
Bucket Cylinder	1-225×160×1,530

DRIVE & BRAKE

Drive Type	Fully Hydraulic Type
Drive Motor	Axial Piston Motor
Deceleration System	Planetary Reducer
Gradability	35°(70%)
Brake	Hydraulic Locking Type
Parking Brake	Multi Piece, Wet Brake
Max.Drawbar Pull	78,700kgf
Max.Travel Speed (High/Low)	4.5km/h / 2.8km/h

OPERATION

Easy and effective operation with pilot pressure control lever and pedal with detachable control lever.

Pilot Operation	Two control levers with safety locking lever (L): Swing and arm, (R): Boom and bucket
Walking and Swing	Two Control Levers with Pedals
Engine Throttle	Electric Swing Type

SWING SYSTEM

Swingl Motor	Axial Piston Motor
Swing Deceleration	Planetary Gear Reducer
Lubrication of Swing System	Grease
Swing Braking	Multi Disc Brake
Max. Swing Speed	6.1rpm
Max. Swing Torque	31,850kgf.m(312kN.m)

CAPACITY OF COOLANT AND LUBRICATING OIL

FILL UP	L
Fuel Tank	1,100
Engine Coolant	100
Engine Oil	65
Swing Device	2×8
Walking Device	2×15
Hydraulic Oil Tank	880

UNDERCARRIAGE

The X-shaped central frame is welded to the high-strength box type track support frame as a whole, and is equipped with supporting wheels and chains. Wheel, guide wheel, track tension adjustment device with vibration absorbing spring, drive wheel, and chain track with two toothed track plates.

Central Framework	X-shaped
Track Support Frame	Pentagon
No. of Track Shoes(Each Side)	51
Carrier Rollers(Each Side)	3
Track Rollers(Each Side)	9

OPERATING WEIGHT

The standard equipment includes a 7250mm boom, a 2900mm arm, a 7.2m³ SAE stacked backhoe bucket, lubricating oil, coolant, a fuel tank filled with oil, and a hydraulic oil tank.

TRACK SHOE

Track Shoe Width	650mm
Operating Weight	97,500kg
Ground Pressure	1.37kgf/cm ²

DIMENSIONS & WORKING RANGE

DIMENSIONS

Boom: 7250mm / Arm: 2900mm / Bucket: 7.2m³



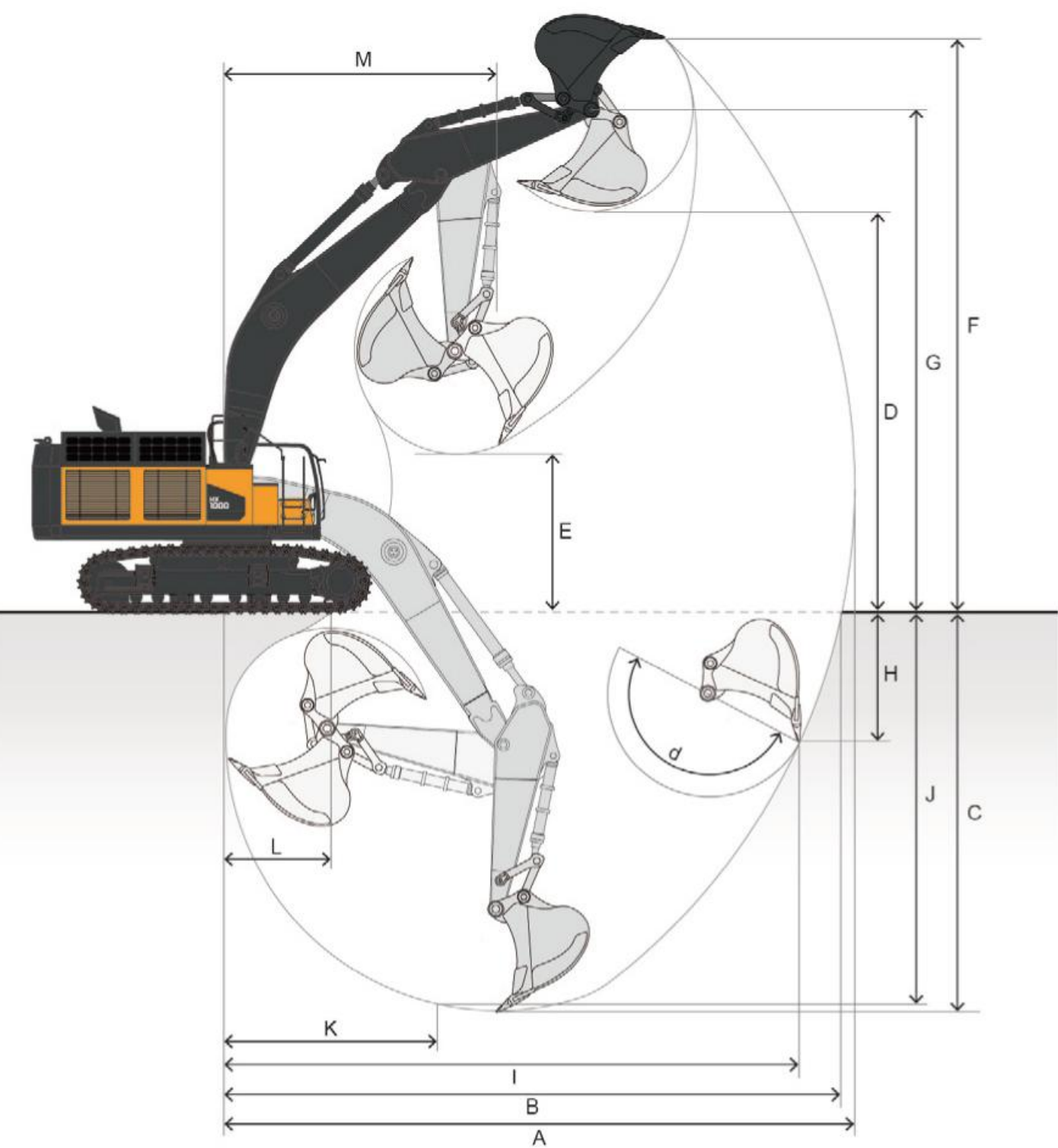
Unit:mm

N	Tail Swing Radius	4,565
O	Transport Height (boom)	5,090
P	Transport Height (hose)	5,150
Q	Transport Length	13,800
R	Transport Width(standard)	3,732
R*	Transport Width(narrow)	-
S	Min.Ground Clearance of Counterweight	1,615
T	Overall Height of Cab	3,615
U	Upper Body Width	3,410

W	Cabin Width	1,010
X	Center Distance Between Guide Wheel and Drive Wheel	5,100
Y	Track Length	6,341
Z	Lower body width(standard)	3,820/4,200*
Z*	Lower body width(narrow)	-
a	Track Width	650
b	Track Height	1,350
c	Min.Ground Clearance	860

[Note] *: Shrink/Expand ** : Without track shoes and spikes

WORKING RANGE



Unit:mm

A	Max. Digging Reach	12,430
B	Max. Digging Reach on Ground	12,110
C	Max. Digging Depth	7,260
D	Max. Unloading Height	8,100
E	Min. Unloading Height	3,910
F	Max. Digging Height	12,425
G	Max. Bucket Pin Height	10,515
H	Max. Vertical Digging Depth	2,965
I	Max. Vertical Digging Reach	10,995
J	Max. Digging Depth of 8 feet	7,110
K	Min. Digging Reach of 8 feet	4,410
L	Min. Digging Reach	1,970
M	Min. Swing Radius	5,345
d	Bucket Swing Angle	145.3



The materials and specifications published are subject to change without prior notice. Please contact Hyundai dealers for relevant information!