

HX705

HYDRAULIC EXCAVATOR



Rated Power
563kW/2100rpm

Bucket Capacity
5.0m³

Operating Weight
67,300kg

SPECIFICATIONS

ENGINE

Model	Cummins QSM15
No. of Cylinders	6 Cylinders
Rated Power kW/rpm	563 / 2,100
Max.torque Nm/rpm	3,000/1,400
Bore x stroke mm	135×169
Displacement CC	14500
Battery Ea-V×AH	2-12×150
Starting motor V×KW	24×9.0
Alternator V×A	24×140

HYDRAULIC SYSTEM

MAIN PUMP

Model	Variable Displacement Piston Pump
Max. Flow	2×460 l/min

PILOT PUMP

Model	Gear Pump
Max. Flow	27 l/min

WORK PRESSURE

Hydraulic Circuit of Working Device	350kg/cm ²
Traveling Hydraulic Circuit	350kg/cm ²
Swing Hydraulic Circuit	280kg/cm ²

HYDRAULIC CYLINDER

No. of cylinders - Bore x stroke	mm
Boom Cylinder	2-180×125×1,795
Arm Cylinder	1-215×140×1,879
Bucket Cylinder	1-190×130×1,465

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	55,000kgf
Max.Travel Speed (High/Low)	4.1km/h / 3.3km/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	8.0rpm
Max. Swing Torque	25,788kgf.m(253kN.m)

CAPACITY OF COOLANT AND LUBRICATING OIL

FILL UP	L
Fuel Tank	760
Engine Coolant	59.4
Engine Oil	45
Swing Device	2×7
Walking Device	2×14
Hydraulic Oil Tank	595

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)	52
Carrier Rollers(Each Side)	3
Track Rollers(Each Side)	9

OPERATING WEIGHT

The standard equipment includes a 6650mm boom, a 2900mm arm, a 5.0m³ SAE stacked backhoe bucket, lubricating oil, coolant, a fuel tank filled with oil, and a hydraulic oil tank.

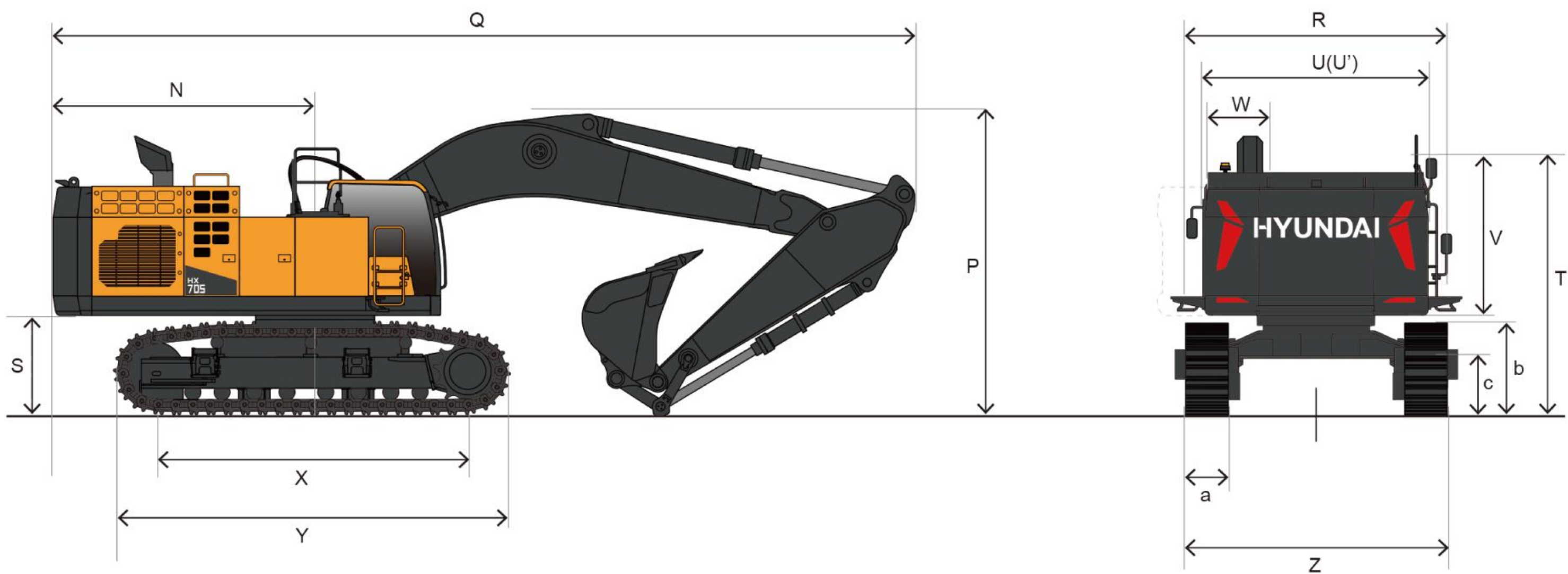
TRACK SHOE

Track Shoe Width	600mm
Operating Weight	67,300kg
Ground Pressure	1.14kgf/cm ²

DIMENSIONS & WORKING RANGE

DIMENSIONS

Boom: 6650mm / Arm: 2900mm / Bucket: 5.0m³



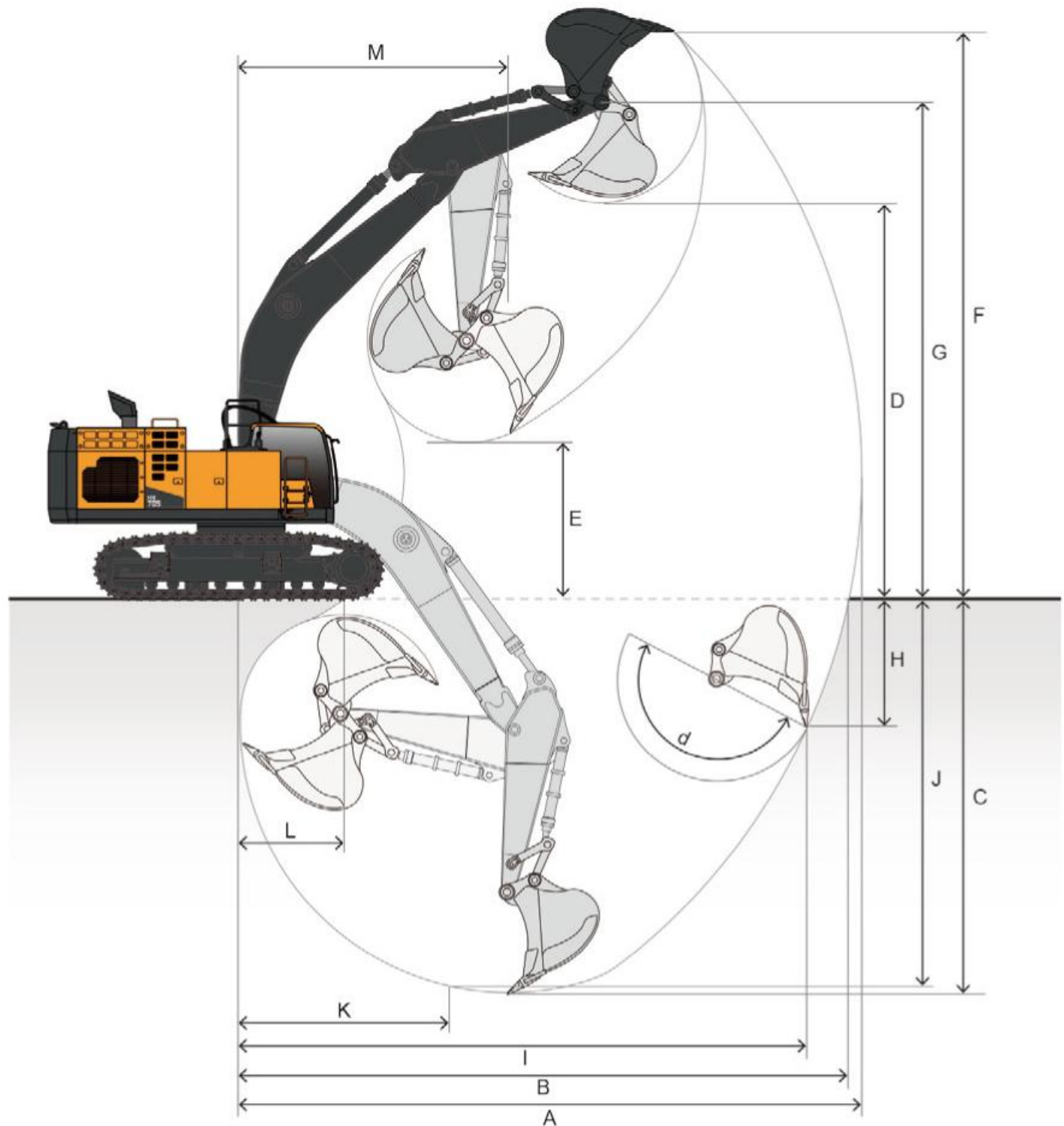
Unit:mm

N	Tail Swing Radius	3,960
P	Transport Height (hose)	4,990
Q	Transport Length	12,150
R	Transport Width(standard)	3,900
R*	Transport Width(narrow)	-
S	Min.Ground Clearance of Counterweight	1,430
T	Overall Height of Cab	3,430
U	Upper Body Width	3,200

W	Cabin Width	1,010
X	Center Distance Between Guide Wheel and Drive Wheel	4,600
Y	Track Length	5,670
Z	Lower body width(standard)	3,340/3,900*
Z*	Lower body width(narrow)	-
a	Track Width	600
b	Track Height	1,230
c	Min.Ground Clearance	790

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

WORKING RANGE



Unit:mm

A	Max. Digging Reach	11,430
B	Max. Digging Reach on Ground	11,137
C	Max. Digging Depth	6,985
D	Max. Unloading Height	7,135
E	Min. Unloading Height	3,205
F	Max. Digging Height	10,695
G	Max. Bucket Pin Height	9,190
H	Max. Vertical Digging Depth	3,215
I	Max. Vertical Digging Reach	9,840
J	Max. Digging Depth of 8 feet	6,830
K	Min. Digging Reach of 8 feet	3,720
L	Min. Swing Radius	5,240
d	Bucket Extension Angle	178



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



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