

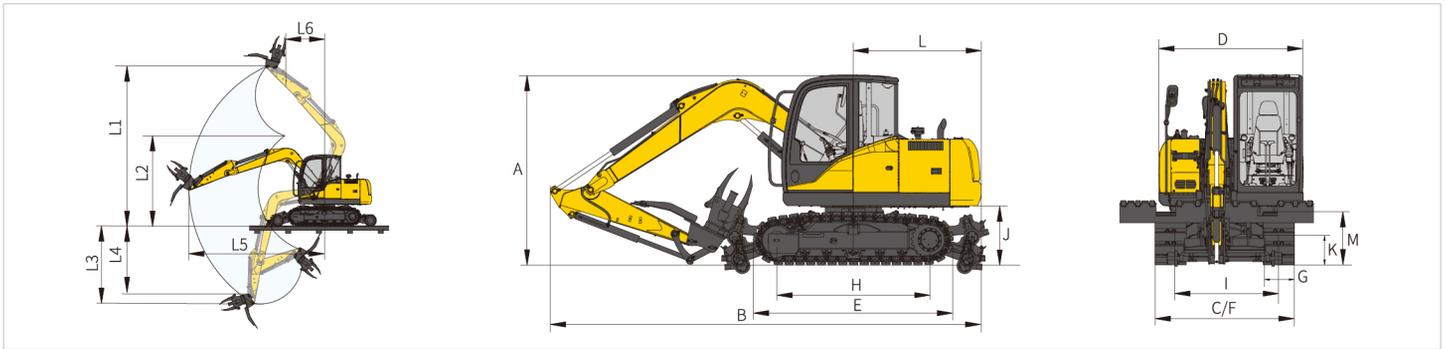
XE75RR

Railroad Excavator



- Operating weight (kg): 8500
- Bucket capacity (m³): 0.3
- Rated power (kW): 42.4

- The XE75RR model excavator is a multifunctional machine designed specifically for dual-use in both road and rail environments, capable of performing ballast removal and sleeper replacement operations, and adaptable for free movement on ballasted tracks.
- This equipment is equipped with rubber track plates and rail guidance mechanisms to protect the tracks from damage, and features electrical and mechanical dual-limiting systems to ensure safe operation of the working arm and rotation.
- It includes a diesel emergency system that ensures the equipment can be safely evacuated in the event of engine or hydraulic pump failure.
- The device is equipped with various functional modules and a hydraulic quick connector, facilitating rapid replacement to meet different operational needs.



Technical Specifications

Item contents	Unit	Parameters
Operating weight	kg	8500
Drive model	-	Friction driven/hydraulic driven
Applicable gauges	mm	1435
The minimum curve radius	mm	50
Height limit	mm	4800 (Adjustable height limit)
Rotation restrictions	°	107
The maximum ultra-high line	mm	200

Engine

Model engine	-	Kubota/V2607
Direct injection	-	√
Four strokes	-	√
Water cooling	-	√
Turbo-charging	-	√
No. of cylinders	-	4
Rated power/speed	kW/rpm	42.4/2000
Maximum torque/speed	N·m/rpm	222.5/1600
Displacement	L	2.615

Main performance

Travel speed (H/L)	km/h	5.4/2.9
Swing speed	r/min	10
Gradeability	°	≤30
Ground pressure	kPa	33.5
Digging force	kN	57
Arm digging force	kN	38
Maximum tractive force	kN	68.3

Hydraulic system

Main pump	-	1 × piston pump
Rated flow of main pump	L/min	160
Main safety valve pressure	MPa	26.5
Travel system pressure	MPa	26.5
Swing system pressure	MPa	18.6
Pilot system pressure	MPa	3.5

Oil capacity

Fuel tank capacity	L	130
Hydraulic tank capacity	L	76
Engine oil capacity	L	10

Item contents	Unit	Parameters
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Dimensions

A Overall height	mm	2685
B Overall length	mm	6340
C Overall width	mm	2230
D Width of platform	mm	2070
E Track length	mm	2825
F Total width of chassis	mm	2000
G Track shoe width	mm	450
H Wheel base of crawler	mm	2195
I Track gauge	mm	1550
J Counterweight clearance	mm	815
K Min. ground clearance	mm	380
L Min. tail swing radius	mm	1800
M Track height	mm	644

Working range

L1 Max. digging height	mm	7380
L2 Max. dumping height	mm	5114
L3 Max. digging depth	mm	3950
L4 Max. vertical wall digging depth	mm	2736
L5 Max. digging radius	mm	6480
L6 Min. swing radius	mm	1818

The above range values are calculated based on the tip radius of the sleeper changing attachment, which is 1280 mm (ballast excavation shovel)/986 mm (sleeper changing clamp).

Standard

Length of boom	mm	3720
Length of arm	mm	1622

Security features

Engine water level protection	-	√
Low engine oil pressure protection	-	√
Excessive engine water temperature protection	-	√
Reversing safety protection	-	√

Remarks

National standard	Meet GB146.1 Rolling stock gauge for standard gauge railway
Use environment	Can be used in temperatures ranging from -30 °C to +50 °C, in rainy and snowy weather

