



A 16-tonne single-drum vibratory roller combining high compaction force, adjustable axle loading, intelligent traction control and a 133kW Isuzu powertrain.

16,400 kg Operating mass	52.6 kg/cm Static linear load
133 kW Rated power	55% Gradeability

TECHNICAL DATA

MASSES

Operating mass	kg	16,400
Load on vibrating drum	kg	11,000
Load on driving axle	kg	5,400
Static linear load	kg/cm	52.6

ENGINE

Manufacturer	-	Isuzu
Model	-	4HK1-XDHAG-02_C3
Rated power	kW	133
Emission standard	-	Euro III

COMPACTION

Vibration frequency	Hz	30 / 36
Nominal amplitude	mm	2.1 / 1.2
Centrifugal force	kN	315 / 260
Drum diameter	mm	1,510
Drum width	mm	2,130
Drum rim thickness	mm	30

MANEUVERABILITY

Steering angle	deg	+/-35
Swing angle	deg	+/-12
Minimum turning outer diameter	mm	11,880
Tyre specification	-	23.1-26

TRAVEL AND PERFORMANCE

Travel speed - range 1	km/h	0-2.8
Travel speed - range 2	km/h	0-4.0
Travel speed - range 3	km/h	0-5.0
Travel speed - range 4	km/h	0-9.0
Theoretical gradeability	%	55
Ground clearance	mm	431
Wheelbase	mm	3,060

ELECTRICAL SYSTEM

Battery	V x Ah	24 x 120
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CAPACITIES

Fuel tank	L	200
Hydraulic oil tank	L	80

CONFIGURATION AND SERVICEABILITY

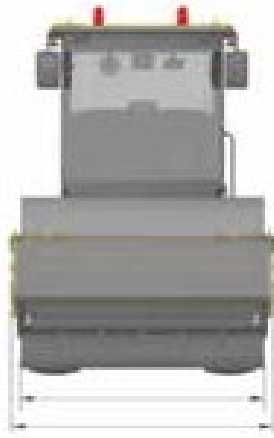
STANDARD MACHINE SYSTEMS

Isuzu GH-4HK1XKSC-05 Euro III engine	•
Smooth vibratory drum	•
Enclosed cab with air conditioning	•
Rear axle without differential lock	•
Standard flotation tyres - quincunx tread	•
Electronic anti-skid system	•
Reversing camera	•
Dual-frequency, dual-amplitude vibration	•
Four speed traction control	•

OPTIONAL EQUIPMENT

Removable combined padfoot shell	○
Welded padfoot drum	○
Open canopy without air conditioning	○
Rear axle with differential lock	○
Tractor tyres - herringbone tread	○
Thickened flotation tyres	○
Intelligent rolling system	○
Manual parking-brake release	○

DIMENSIONS



Overall length	6,199 mm
Overall width	2,290 mm
Overall height	3,000 mm
Wheelbase	3,060 mm
Drum diameter	1,510 mm
Drum width	2,130 mm
Ground clearance	431 mm

MACHINE SYSTEMS AND APPLICATIONS

Efficient compaction	315/260 kN centrifugal force, 30/36 Hz vibration frequency and amplitude uniformity below 7% support powerful, consistent compaction.
Versatile load distribution	Adjustable front and rear counterweights allow drum load distribution to be varied from 67% to 58% for different terrain and applications.
Traction control	Standard electronic anti-skid technology independently adjusts drum and tyre drive force to reduce slipping on slopes and loose material.
Operator environment	FOPS/ROPS-certified cab, panoramic windscreen, air-suspension seat, 7-inch display, electronic joystick and high-capacity air conditioning improve comfort.
Durability and access	Reinforced four-point drum support, waterwheel bearing lubrication, mining-grade rear axle and a 70-degree engine cover support long life and easy servicing.