

# RINO-15

## Vibrator Characteristic

The high-strength, low-center-of-gravity carrier chassis adapts to work under various complex surface conditions. Cabin with wide view and low noise, provides comfortable and safe operating environment for operator. Higher-precision signal can be motivated with mechanical prestressed piston rod loading and precise vibration guidance of the double-column hammer body. Power system with low noise and radiation is suitable for operation in urban, villages and special areas. It can integrate VE464, F3, HD and other vibrator control systems to provide better operation control, synchronization accuracy, quality control and low distortion output. 4X4 articulated & hydraulic drive chassis to make vibrator more maneuverable and flexible.



## Vibrating System

<b>Peak force</b>	P wave, 147 kN (33,070 lbf)
<b>Hold down weight</b>	150 kN (33,740 lbf)
<b>Limits frequency</b>	1 to 250 Hz (200H)/1-500 Hz (60FC)
<b>Mass weight</b>	2,000 kg (4,400 lb)
<b>Baseplate weight</b>	725 kg (1,600 lb)
<b>Mass stroke</b>	12.7 cm (5 in)
<b>Servo valve</b>	Atlas 200H, 60FC
<b>Pilot valve</b>	Moog 760C928A

## Hydraulic System

<b>Vibrating pump</b>	Denison P7P 119 cc
<b>Accumulator</b>	System 10 L, 1 HP, 1 LP
	Hammer 1 L, 1 HP, 1 LP
<b>Oil filter</b>	H.P. filte 3 $\mu$ , L.P. filter 3 $\mu$
	Suction filter 20 $\mu$ , Servo filter 10 $\mu$
<b>Hydraulic tank</b>	250 L, integrated oil suction filter, servo filter, respirator, observer, etc.
<b>Operating pressure</b>	H.P., 220 bar (3200 Psi) L.P., 16 bar (230 Psi)
<b>Cooling method</b>	Low pressure oil return type oil return cooling
<b>Hydraulic line</b>	ETN

## Chassis

<b>Chassis</b>	Articulated, hydraulic drive chassis
	4X4
<b>Front axle oscillating angle</b>	$\pm 16^\circ$
<b>Minimum turning diameter</b>	16 m
<b>Max gradability</b>	60% (28 °)
<b>Drive axle</b>	Omsi rigid axle, hydraulic wet service brake and parking brake
<b>Three pump boxes</b>	Omsi triple pump boxes, high elastic coupling
<b>Pump drive</b>	Danfoss 100 cc, 1 front drive and 1 rear drive
<b>Motor drive</b>	Danfoss 210 cc, 1 front drive and 1 rear drive
<b>Tire</b>	460/70R24 herringbone pattern
<b>Wheelbase</b>	3,600 mm
<b>Load front axle</b>	7,200 kg (15,870 lb)
<b>Load rear axle</b>	8,300 kg (18,300 lb)
<b>Driving speed</b>	4-25 km/h (gear 5)

## Engine

<b>Mode</b>	PERKINS,1106D-E70TA
<b>Emission</b>	Europe, America and China Phase III
<b>Type</b>	Electronically controlled high-pressure common rail, in-line 6-cylinder, 4-stroke supercharged water-cooled
<b>Displacement</b>	7.01 L
<b>Rated power</b>	151 KW/2200 rpm
<b>Max torque</b>	922 N.m/1400 rpm
<b>Generator</b>	24 V / 85 A
<b>Air pump</b>	225 cc, 8 bar
<b>Diesel tank</b>	500 L

## Cabin

Metal sheet metal structure, noise reduction and thermal insulation interior, air damping main and auxiliary seats, air conditioning, heater

## Electricity

<b>System control</b>	CAN bus control, digital sensor, 12" LCD display
<b>Illumination</b>	24 V, headlights, taillights, work lights
<b>Electronic system</b>	12 V

## Dimension

<b>Length* width* height</b>	7350*2400*2800 mm
<b>Vibrator weight</b>	15,500 kg (34,170 lb)