

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

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

Hydraulic System

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

Chassis

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

Engine

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

Cabin

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

Eletricity

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

Dimension

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