



**SERCEL**

A Viridien Business



# Nomad

SEISMIC VIBRATOR RANGE



# NOMAD

Go broadband!



Nomad 65 Neo



Nomad 90 Neo

## Seismic vibrator range

Nomad is the Sercel range of seismic vibrators offering high quality signals together with a high level of reliability, productivity and safety. All these characteristics, coupled with ease of maintenance and excellent ergonomic design have set a new standard for vibrator source performance.

Designed to be operated in any terrain (desert, arctic, forest, cities, etc.) even in the harshest conditions (-50°C/+56°C), Nomad vibrators can be customized to be adapted to any survey conditions.



# Nomad 65 Neo



## BROADBAND PERFORMANCE

Stronger low frequency : 5,4 Hz @ full drive

## ENVIRONMENTALLY FRIENDLY

Up to 15% fuel savings with IPM

## HIGH RELIABILITY

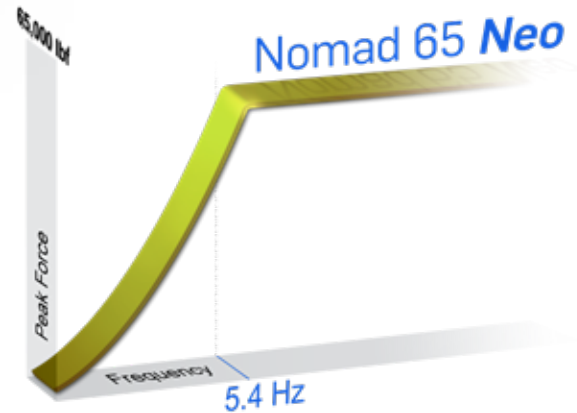
Proven design

More than 60 customers

Nomad 65 Neo is Sercel's 62,000 lbf broadband vibrator, capable of delivering stronger low frequency content with full drive achieved from 5.4 Hz. This enhanced performance is made possible using the latest innovations in shaker and hydraulic circuitry design.

Another newly developed feature is the IPM (Intelligent Power Management) option. By optimizing engine efficiency, IPM will reduce fuel consumption by up to 15%.\*

\* The IPM option can also be integrated into the existing Nomad 65



Specifications	
Peak force output	278 kN / 62,400 lbf
Hold Down Weight	28,294 kg / 63,610 lb
Rated frequency	1-250 Hz (full drive from 5,4Hz)
Mass/BasePlate Ratio	3.01
Operating temperatures	-50°C / + 56°C**
Full-drive start frequency @ 62,000 lbf	5.4 Hz
Length	10.64m (34 ft-11 in)
Width*	3.42 m (11 ft-3 in)
Height*	3.22 m (10 ft-7 in)
Gradeability	60 %

\*According to tires type

\*\*Specific use conditions



Fully compatible with Developed Sercel Vibrator Auto Guidance

# Nomad 90 Neo



## BEST BROADBAND PERFORMANCE

Stronger low frequency : 5 Hz @ Full drive  
High-frequency signal fidelity

## MOST PRODUCTIVE VIBRATOR

Highest peak force : 90,000 lbf  
Sweep length reduction

## OPTIMIZED FOR HSE

Up to 15% fuel savings with IPM  
Improved compact design

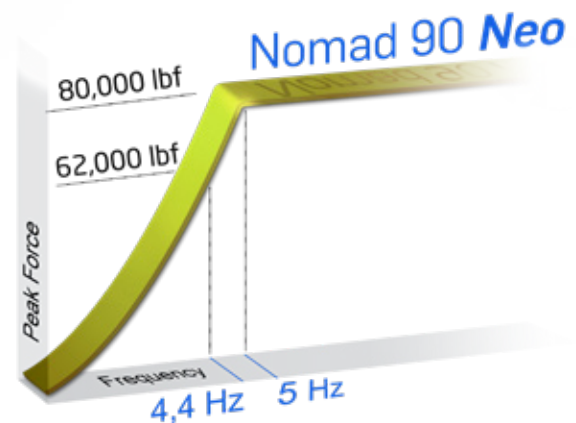
Nomad 90 Neo is Sercel's super-heavy vibrator.

With its advanced design which includes a long mass stroke, heavy mass and high hydraulic pressure, it is ideally suited to the generation of high-quality, low-frequency sweeps. Nomad 90 Neo also features a 90,000 lbf hydraulic peak force and an ultra stiff baseplate to improve high-frequency signal fidelity.

Nomad 90 Neo brings a tremendous productivity gain compared to conventional vibrators, thanks to a very low full-drive start frequency.

Nomad 90 Neo is totally compatible with IPM, a unique option developed for the Nomad vibrator family.

\* The IPM option can also be integrated into the existing Nomad 90



Specifications	
Peak force output	400.3 kN / 89,920 lbf
Hold Down Weight	36,357 kg / 80,082 lb
Rated frequency	1-250 Hz
Full-drive start frequency @ 80,000 lbf	5 Hz
Full-drive start frequency @ 62,000 lbf	4.4 Hz
Length	10.82 m
Width*	3.32 m
Height*	3.68 m
Gradeability	58% (30°)

\*According to tires type

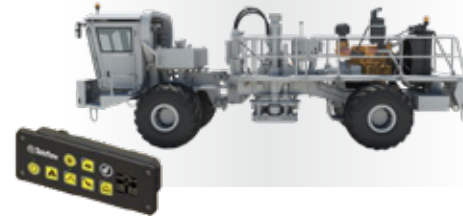


Fully compatible with Developed Sercel  
Vibrator Auto Guidance

# MAIN OPTIONS

## CENTRAL TIRE INFLATION SYSTEM

The CTIS is dedicated to ease operations and to save time and tires when operating in sand dunes by reducing downtime and operating with correct tire pressures.



## REAR CAMERA

Camera display is now integrated into the new intelligent multifunction dashboard. Up to 4 cameras can be connected to the screen ( reverse, mass monitoring, engine monitoring, etc.).

## SOUNDPROOF COVER

In areas where engine noise needs to be suppressed (urban area, Europe,...), SERCEL provides a solution consisting in a soundproof cover that encapsulates the engine and hydraulic pumps assembly.



## CENTRALIZED GREASING SYSTEM

In order to ease maintenance an automatic greasing system is now available. It consists of an electric grease pump that is controlled by the vehicle's management system and supplies pre-scheduled measured amounts of grease to key components (guide rods, articulation pins, steering cylinder and lift cylinders gimbals).

## FAST INFUEL SYSTEM

This option makes refueling faster, easier and safer.

It is compatible with the standard 1,000-liter fuel tank or with the enlarged one (1,430 liters), specially designed for high productivity crews or when the environment and terrain make refueling more difficult.



## TRACKS

Available for arctic (snow), the vibrators can be equipped with tracks instead of wheels.

Tracks can be installed directly at the factory, or afterwards in the field. Once modified, swapping from one configuration to the other can be done quickly to meet the needs of the operation.



#### **SERCEL - FRANCE**

16 rue de Bel Air  
B.P. 30439 - 44474 CARQUEFOU Cedex  
Téléphone : (33) 2 40 30 11 81  
E-mail : [sales.nantes@sercel.com](mailto:sales.nantes@sercel.com)  
SAS au capital de 25 000 000 €  
Siège Social : 16 rue de Bel Air - 44470 CARQUEFOU  
378.040.497 R.C.S. Nantes Code APE 2651B

#### **SERCEL INC. - U.S.A.**

17200 Park Row  
Houston, Texas 77084  
Telephone : (1) 281 492 6688  
E-mail : [sales.houston@sercel.com](mailto:sales.houston@sercel.com)

[www.sercel.com](http://www.sercel.com)

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