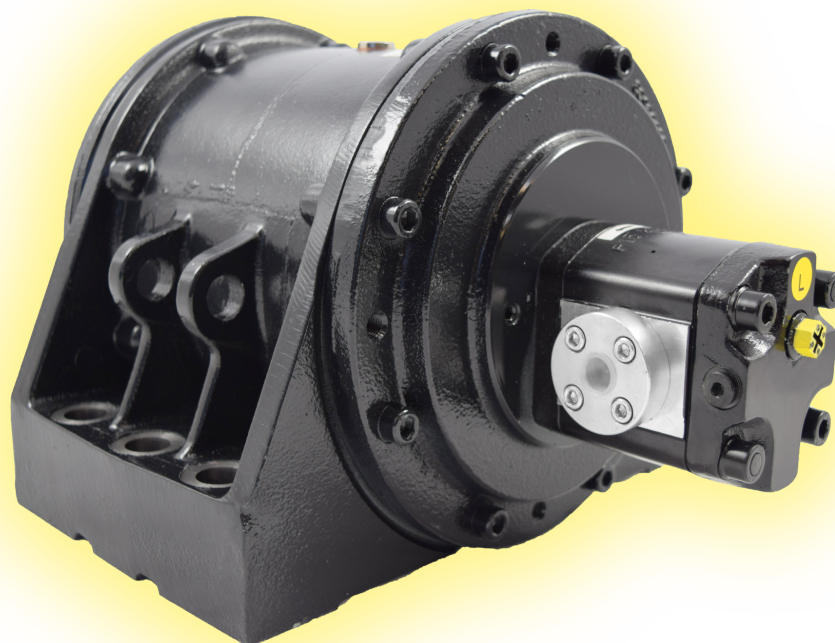
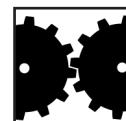




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## Hydraulic External Vibrators Series NHG L



- Rotary vibration
- Nominal frequency from 3.000 min<sup>-1</sup> to 7.000 min<sup>-1</sup>
- Centrifugal force from 4.070 N to 61.206 N
- Frequency continuously variable via volume flow rate



NHG 500 L



NHG 3000 L



NHG 6000 L

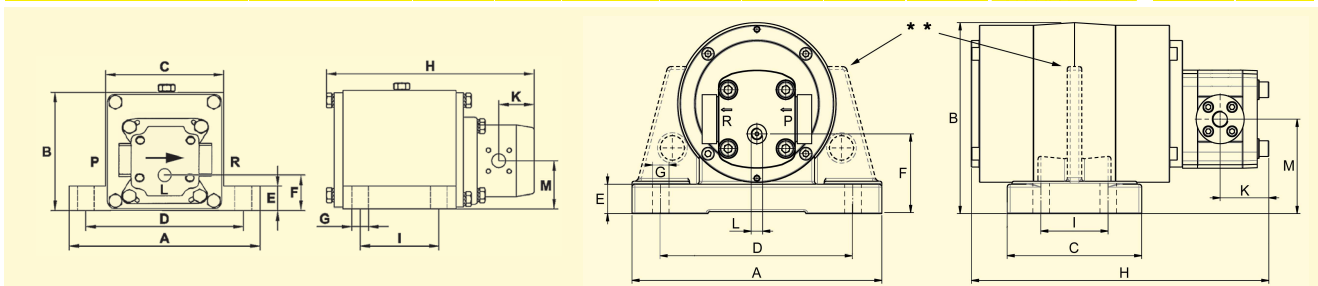


## Hydraulic External Vibrators Series NHG L

| Type        | Unbalance<br>[cmkg] | Frequency<br>[U/min] | Normal Operation 100%    |                            | Frequency<br>[U/min] | Short operation ≤ 60%    |                            | Weight<br>[kg] |
|-------------|---------------------|----------------------|--------------------------|----------------------------|----------------------|--------------------------|----------------------------|----------------|
|             |                     |                      | Centrifugal Force<br>[N] | Oil requirement<br>[l/min] |                      | Centrifugal Force<br>[N] | Oil Requirement<br>[l/min] |                |
| NHG 500 L   | 2,06                | 6.000                | 4.070                    | 12                         | 7.000                | 5.550                    | 14                         | 6,4            |
| NHG 600 R L | 0 to 3              | 6.000                | 5.922                    | 12                         | 7.000                | 5.723*                   | 14                         | 8,2            |
| NHG 900 L   | 6,64                | 4.000                | 5.870                    | 8                          | 5.000                | 9.100                    | 10                         | 7,7            |
| NHG 3000 L  | 29,18               | 3.500                | 19.600                   | 20                         | 4.000                | 25.600                   | 22                         | 29,0           |
| NHG 6000 L  | 124,00              | 3.000                | 61.206                   | 40                         | —                    | —                        | —                          | 78,0           |

\*) The unbalance must be reset to 2,19 cmkg.

| Type                                  | A<br>[mm] | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | Ø G<br>[mm] | H<br>[mm] | I<br>[mm] | K<br>[mm] | Ø L<br>[mm] | M<br>[mm] | Ø P<br>[mm] | Ø R<br>[mm] |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-------------|-----------|-------------|-------------|
| NHG 500 L<br>NHG 600 R L<br>NHG 900 L | 194       | 120       | 120       | 160       | 25        | 36,5      | 17          | 213,5     | 80        | 36,5      | G1/4        | 49        | G1/4        | G3/8        |
| NHG 3000 L                            | 260       | 195       | 140       | 200       | 30        | 80        | 17          | 310       | 70        | 50        | M12×1,5     | 96        | G3/8        | G3/8        |
| NHG 6000 L                            | 345       | 260       | 213       | 300       | 58        | 128,5     | 22          | 400       | 2 × 60    | 59        | M12×1,5     | 113       | G3/8        | G3/8        |



NHG 500 L, NHG 600 R L and NHG 900 L

NHG 3000 L and NHG 6000 L \*\*\*) Side strut at NHG 3000 L



NHG 3000 L



Emptying silo vehicles



NHG 900 L

### Applications

Series NHG L hydraulic external vibrators are particularly suitable for emptying containers and bulk material hoppers containing adherent bulk materials, for preventing bridging and tubing and for compacting various materials.

A special characteristic is its use for unloading transport vehicles, e.g. trucks, silo vehicles and ships.

The vibrators are driven via the hydraulic system belonging to the carrier vehicle, and are therefore independent of any external energy supply.

### Design and functioning principle

The rotary vibration is created by an unbalance. High rotational speeds result in large centrifugal forces.

The rotational speed, and hence the centrifugal force, can be regulated continuously via the volume flow rate. NHG 500 L, NHG 900 L and NHG 3000 L and NHG 6000 L have fixed working moments. The unbalance of the NHG 600 RL can be adjusted in steps, from the outside

Series NHG L hydraulic external vibrators are also available without an overflow oil line connection.

The pressure in the return line must not exceed 2 bar.

### Permissible operating conditions:

#### Drive Medium:

Clean, filtered hydraulic oil DIN 51524/25 or engine oil DIN 51511

#### Operating pressure:

Pressure side 200 bar max.  
Overflow oil line back pressure 2 bar max.

#### Ambient temperature:

-20°C to 80°C NHG 500 L to NHG 900 L  
-20°C to 60°C NHG 3000 L  
-20°C to 40°C NHG 6000 L

NetterVibration offers the accessories required for the mounting, installation, control and monitoring of vibrators and impactors.

Netter provides solutions.

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