

# QUEEN SERIES

**SUPER HEAVYWEIGHT PLATES OVER 500 KG**

The Queen series, the crown jewel of our guided vibratory plates range. Despite the high performance comparable to large soil rollers, these machines retain their elegance, compact dimensions and great maneuvering potential.



**Lifting eye**

For easy handling.

**Drive control**

Implemented to the handle.

**Throttle lever**

Integrated to the handle.

**Service points**

Easy access to service points thanks to the service hatches.

**Additional handle**

For even more convenient machine control.

**Frame design**

Fully covered design ensures the highest level of protection in the most demanding conditions.

**Vibration reduction**

Four-staged vibration reduction affords high working comfort without any limits of occupational exposure.

**Hydraulic system**

Fully hydraulic control system with automatic venting and hydraulic circuit adjustment.

**Extreme performance**

Compaction performance is comparable to performance of 20-tons vibratory rollers.

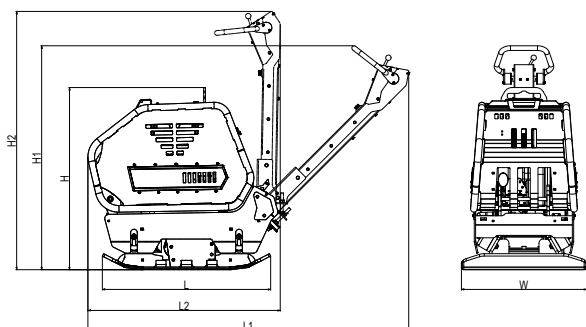
**Resistant plate**

Made of rolled steel.

**Engine**

Available with Hatz D series





| TYPE     | Machine dimensions (mm) |      |      |      |      |      |     |
|----------|-------------------------|------|------|------|------|------|-----|
|          | H                       | H1   | H2   | L    | L1   | L2   | W   |
| VDR 75HE | 1090                    | 1140 | 1630 | 1010 | 2250 | 1350 | 750 |

| TECHNICAL PARAMETERS   |                     |         |
|------------------------|---------------------|---------|
| HYGIENE PARAMETERS     |                     |         |
| Noise level $L_{pA,d}$ | [dB]                | 94+2    |
| Noise level $L_{WA,G}$ | [dB]                | 109     |
| Vibration $a_{hvd}$    | [m/s <sup>2</sup> ] | 7,6+3,1 |

## TECHNICAL PARAMETERS

### OPERATIONAL PARAMETERS

|                          |         |            |
|--------------------------|---------|------------|
| Operational weight       | [kg]    | 615        |
| Plate dimensions (W x L) | [mm]    | 750 x 1010 |
| Centrifugal force        | [kN]    | 75         |
| Frequency                | [Hz]    | 68         |
| Amplitude                | [mm]    | 2          |
| Maximal speed            | [m/min] | 26         |
| Climbability             | [%]     | 30         |
| Electric start           | [-]     | Yes        |

### ENGINE

|                           |      |            |
|---------------------------|------|------------|
| Maker and type            | Hatz | 1 D 81     |
| Fuel                      | [-]  | Diesel     |
| Net power ( 3600 r./min ) | [kW] | 10,1       |
| Emission class            | [-]  | EU Stage V |

### OPERATIONAL FLUIDS

|                                   |     |      |
|-----------------------------------|-----|------|
| Fuel tank capacity (diesel)       | [l] | 10   |
| Engine oil capacity (10W30)       | [l] | 1,9  |
| Hydraulic oil capacity (OH-HV 68) | [l] | 0,28 |
| Exciter oil capacity (10W30)      | [l] | 1    |

| FEATURES                                    |  |
|---|--|
| Frame design                                |  |
| Folding handle                              |  |
| Central lifting eye                         |  |
| Three-staged vibration reduction            |  |
| Handling points on all sides of the machine |  |
| Rounded edges of the plate                  |  |
| Trottle lever on the handle                 |  |
| Electric start                              |  |

| OPTIONAL ACCESSORIES |                          |
|----------------------|--------------------------|
| Hour counter         | <input type="checkbox"/> |