

Vibratory pile drivers

Classic pile driver

The competitive price and long-life reliability of Impulse pile-drivers make them to a very fast repaying and profitable investment.

The pile drivers provide You the ultimate power since they have one of the largest amplitude and eccentric moments.

The compact design allows the maximum possible usage of the excavator`s radius and reach, in that way much longer piles can be driven. Impulse classic pile-drivers are 30% lighter than the models of the competitors.

Different types of clamps ensure effective driving and extraction of sheet and Larssen piles, H-beams, U-sections, various sized pipes. Impulse pile-drivers can be fitted with compacting plates for soil densifying - like a standard hydraulic compactor, but with much higher power output.



| Model | Weight of base machine, t | Amplitude, mm | Eccentric moment, kgm | Weight, kg | Working pressure, bar | Oil flow, l/min |
|---------|---------------------------|---------------|-----------------------|------------|-----------------------|-----------------|
| VP310 | 12 – 35 | 12 | 4 | 1 050 | 150 – 250 | 120 – 140 |
| VP350R* | 22 – 35 | 6.8 | 3.5 | 1 680 | 200 – 320 | 190 |
| VP500 | 25 - 40 | 12 | 8 | 1400 | 300 | 220 - 240 |
| VP600R* | 30 – 40 | 8.8 | 6.1 | 1 860 | 250 – 320 | 220 |

*Models with hydraulic tilting and rotating mechanism

The impulse vibratory pile driver is a reliable and high-performing attachment. It is capable to carry out a wide range of tasks: driving and extraction of piles, pipes, double T-beams, etc.



Tilting pile driver

With up to 90° hydraulic tilting, piles and pipes can be clamped and taken directly from the ground, giving You extra 30% efficiency compared to standard pile-driver usage.

Impulse VP350R & VP600R pile-drivers are being equipped with screw drive swing bearings, which give You the advantage of more precise rotation.

All operations can be controlled from a single joystick. Clamping, tilting, positioning and driving was never that easy - operated with only one hand.

The pile-drivers are powered from the hydraulic system of the excavator via a single-flow piping-kit (the same that powers the hydraulic breaker) - the pile driver mounting won't bring any additional expenses or time spending.

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Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
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Standard clamp

Standard clamps are being used for immersion of ordinary and flat surfaced piles. Restricted to pipe`s diameter and wall thickness, standard clamps are also used for pipe immersion.



Tube clamp

Tube clamps are being used for the immersion of pipes of smaller diameter - from 108 up to 400 mm. Gripping of wood piles is also possible.



Double clamp

Double clamps allow secure seizure of pipes with diameter from 300 up to 1100 mm. Assuring more even and precise immersion, the double clamps protect the pipe`s walls from damaging.

Compactors



Impulse compactors are hydraulic attachments which are intended to carry out planning works as well as works on soil compaction, and preparation of building sites. Classic and proven set-up for the major compaction works. High quality motors and reliable construction steel ensure a fail safe operation of each machine from the model lineup. The wide range (suitable for mini-excavators through to 35 ton machines) covers all main tasks at the construction site. Maintenance, servicing and repairs are easy. The high impulse energy, longer endurance limit and lower maintenance costs meet the demands of most end-users in construction business.

| Model | Dimension AxBxC, mm | Compacting force, t | Nominal frequency, rpm | Compactor weight ¹ , kg | Carrier weight class ² , t | Operation pressure, bar | Oil flow, l/min |
|-------|---------------------|---------------------|------------------------|------------------------------------|---------------------------------------|-------------------------|-----------------|
| V25 | 730x318x473 | 1,5-2,5 | 2 500 | 225 | 4-8 | 170-200 | 30-50 |
| V30 | 920x600x537 | 2-3 | 2 400 | 330 | 7-12 | 90-130 | 70-100 |
| V80 | 1120x750x685 | 7-8 | 2 200 | 615 | 10-16 | 130-160 | 110-140 |
| V100 | 1270x950x765 | 9-11 | 2 250 | 950 | 14-25 | 130-170 | 130-160 |
| V120 | 1290x1000x765 | 10-15 | 2 050 | 960 | 18-35 | 150-190 | 150-170 |
| V150 | 1500x1000x826 | 15-20 | 2 200 | 1 295 | 30-40 | 250-300 | 260-280 |

1 – Without adapter plate

2 – Weights apply to standard carriers only. Any variances must be agreed with manufacturer.

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