

ALLU 

COMPACTOR™



ALLU COMPACTOR
PROLINE SERIES.

allu.net

**A TRUE ALL ROUNDER ON
ANY CONSTRUCTION SITE.
ALLU COMPACTOR.**

CONTENT.

ALLU Compactor HD1200 Proline Series

Compactor Features At A Glance

Technical Specs At A Glance

Optional Accessories



ALLU COMPACTOR HD 1200 PROLINE SERIES.

The ALLU Compactor proline series is the fruit of more than two decades of use in the road and building construction domains. Developed and manufactured by pros for pros, the sturdiness, durability and practicality of ALLU compactors is unmatched.

The ALLU HD1200 proline compactor is an investment that pays off in practically no time, by virtue of the efficiency and effectiveness of their compaction performance and the extraordinarily high capacity use of the excavator.

Compaction without a man in the trench minimizes the risk of accidents, by virtue of mechanical compaction right at the jobsite.

As many users have noted, ALLU compactors are incredibly quiet thanks to the vertical position of their shock absorption elements. Directional oscillation ensures that the maximum amount of power is transferred to the ground, with minimal vibrations on the excavator arm and in the cabin.

ALLU compactors can be configured in many different ways and are available in a broad range of models, they're highly efficient, safe and reliable for excavators weighing between 1.5 and 60 tons.



MAIN APPLICATION AREAS

- ▶ Civil engineering
- ▶ Road construction
- ▶ Earthmoving
- ▶ Building construction
- ▶ Landscaping
- ▶ Cable and pipe laying

COMPACTOR FEATURES AT A GLANCE.

ALLU Compactor HD1200 is highly versatile tool to any construction site.

Thanks to the extraordinary versatility of ALLU compactors, you'll get maximum capacity use out of your excavators – not to mention the improved efficiency and the time you'll save, which results in an excellent return on investment.



KEY FEATURES.

Just one central hydraulic block, fitted with its own protection, with adjustable oil flow for different frequencies

Mechanical or hydraulic quick coupler, depending on customer requirements

Self-locking hydraulic slewing drive with worm gear
- high torque
- up to 12,900 Nm retention force
- eccentric layout for working inside trench linings
- low installation height

Vertically arranged vibrating elements, UV protected, therefore significantly longer life-cycle

Fork lift lugs for easier handling

Large oil container to ensure optimum cooling and lubrication of moving components

High-quality oil engine with optimised drain layout

Solid steel construction

Robust engine protection

Solid single-piece base plate

The HD 1200 compactor have a sizeable oil supply for cooling and lubrication of moving parts – and are thus optimized for demanding operating conditions and long operating times.

The HD 1200 can be equipped with an extension plate that is designed specially for the compaction of slopes, embankments and broad surfaces.

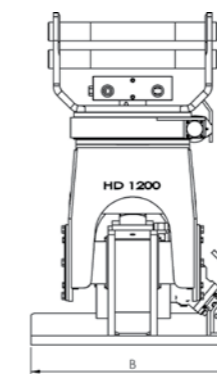
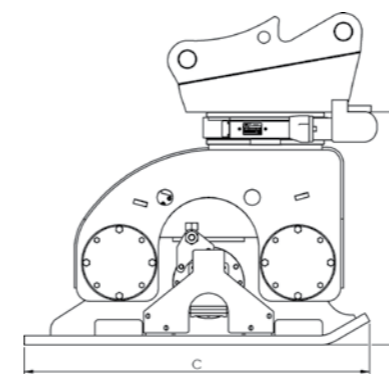
It is optionally available without the standard slewing drive – for example if the excavator is equipped with a rotator, or has only one hydraulic circuit.



TECHNICAL SPECS AT A GLANCE.

HD 1200

The HD 1200 is rated for excavators larger than 15 metric tons and can thus be used with a broad range of models. Its extremely sturdy construction and outstanding power of impact allow for reliable and excellent compaction, plus optimal comfort for the operator. Optionally, Controller is available for the HD 1200. This control device avoids damage to pipes and nearby buildings, and assists to adjust the frequency to the requirements of various types of grounds.



ADVANTAGES

- ✓ Best-in-class compaction thanks to adjustable frequency and power of impact.
- ✓ Enormously deep penetration optimizes efficiency for all types of grounds.
- ✓ Considerably greater capacity use of the excavator. No cost intensive idle time or downtime.
- ✓ Reduces noise, vibrations and exhaust emissions.
- ✓ Minimizes the risk of accidents thanks to mechanical compaction right at the jobsite.
- ✓ Reduces damage to pipes and nearby structures, thanks to controlled compaction, particularly in areas prone.
- ✓ Quick return on investment thanks to efficient mechanical compaction and optimized machine capacity use.

OPTIONAL ACCESSORIES.

Option: Controller

Our specially developed Controller helps avoid damage to pipes and nearby buildings. The controller continuously measures and logs the frequency of the ground being worked on and warns the operator if the machine is too close to or has reached the natural frequency of this ground – for example in the presence of damp or heavy soil, or if the compactor is overloaded.



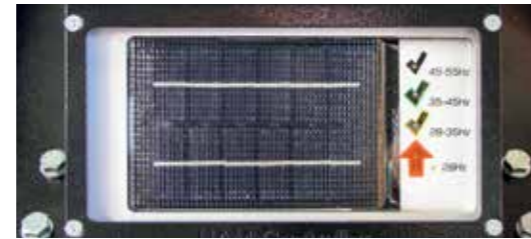
Tied floors (clays, silts); Low frequency approx. 28-35 Hz



Mixed grained soils; Medium frequency approx. 35-45 Hz;
UNIVERSAL FREQUENCY



Non-binding soil (sand, gravel); High frequency approx. 45-55 Hz



CAUTION: Critical natural frequency range. Lift the compressor and / or check the hydraulic settings.

- ✓ Permanent visual indicator in the direction of the carrier.
- ✓ Energy self-sufficient through solar power and powerful battery.
- ✓ Permanent logging of the working frequencies and the place of work by means of integrated GPS module, thus usable as proof in case of damage.
- ✓ Protocol and operating hours can be read directly via smartphone using the UAM app.



Option: Extension plate

Designed specially for broad-surface and slope/embankment compaction. The versatility of ALLU proline compactors can be expanded even further in combination with the HD 1200; width: 160 cm; weight: 350 kg

Characteristics	HD 1200
Excavator service weight (in metric tons)	15 - 30
Weight (in kg) including interchangeable frame	1.170
Overall height (in mm), including interchangeable frame	1,266
Plate dimensions (mm)	770 x 1,320
Frequency range (Hz)	28 - 60
Recommended minimum amount of oil (liters per min.)	150
Maximum pressure (bar)	210
Dynamic power of impact (in kg)	3,500-15,000
Hydraulic slewing drive retention force (in Nm)	12,900
A (mm)	875
B (mm)	770
C (mm)	1,320



ALLU AROUND THE WORLD.

HEADQUARTERS

ALLU Finland Oy

Jokimäentie 1
16320 Pennala,
FINLAND

Tel: +358 3 882 140

Fax: +358 3 882 1 440

Email: info@allu.net

GERMANY

ALLU Deutschland GmbH

Maschweg 77
DE-49324 Melle
GERMANY

Tel: +49 (0) 5422 92782 - 0

Fax: +49 (0) 5422 92782 - 15

Email: deutschland@allu.net

FRANCE

ALLU France S.A.R.L.

180 ZA les Bruottées
21200 VIGNOLES,
FRANCE

Tel: +33 3 80 24 04 34

Fax: +33 3 80 24 04 36

Email: france@allu.net

NORTH AMERICA

ALLU Group Inc

25 Kimberly Road, Suite A,
East Brunswick, NJ 08816, USA
Toll Free: 800-939-ALLU (2558)

Tel: +1 (201) 288-2236

Fax: +1 (201) 288-4479

Email: usa@allu.net

SWEDEN

ALLU Sverige AB

Stenvretsgatan 1,
SE-749 40 Enköping,
SWEDEN

Tel: +46 (0)171-17 15 17

Email: sverige@allu.net

CHINA

ALLU China Co., Ltd

阿陆环保科技（昆山）
有限公司

No.4 Factory, No. 639 Yide
Road, Zhangpu Town 215300
Kunshan, P.R. CHINA

Tel: +86 21 5888 5836

Fax: +86 21 5888 5801

Email: china@allu.net

ALLU SALES OFFICE MIDDLE EAST

Tel: +614 3499 0368 (Australia)

Email: me@allu.net



COMPACTOR.

