



**COMPACTOR™**



**ALLU COMPACTOR**  
**PROLINE SERIES.**

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



**COMPACTOR.™**

# CONTENTS.

ALLU Compactor Benefits

Proline-series

Standard models

HD500 | HD800 | HD1200 | HD1500 | HD2000

Cable and pipeline construction

HD200

Compactors for pipe laying applications

HD200 TL | HD200 TS

Easy line

HD1000 | HD1400

Small line

HD125 | HD140



**COMPACTOR.™**

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# ALLU COMPACTOR BENEFITS.

- Efficient working through adjustable frequency and force
- Excellent depth of penetration
- Transforms your base machine into a compacting unit
- Reduces the downtime at jobsites as one base machine can be used to execute several tasks
- Oscillation element keeps the noise and vibration at minimum levels
- Risk of accidents are minimized
- No extra emissions
- Controlled compacting reduces the damages to pipes and the surrounding areas

## MAIN APPLICATION AREAS.

- Underground construction
- Road and street construction
- Groundworks
- Superstructure construction
- Garden and landscape construction
- Cable and pipeline laying



# ALLU COMPACTOR PROLINE-SERIES.

**The ALLU Proline Compactor is a hydraulic attachment for excavators ranging from 1.5 to 60 tons.**

The versatile, robust and practical design of the ALLU Compactor attachments make them true all-rounders, indispensable on any construction site.

With the ALLU Proline series, compaction is made more efficient and effective. Greater utilisation of the base machines ensures that compaction costs are optimised,

meaning no additional personnel are required, with significant savings in time, and a quick return on investment. Vertically arranged damper elements ensure extremely quiet operation and controller oscillation - through maximizing the transfer of force into the ground.

## SPECIFICATIONS.

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

Self-limiting hydraulic operation rotating mechanism with worm gear

- large torque
  - up to 12,900 Nm holding force
- eccentric layout
  - for working inside trench linings
- compact design

Vertically arranged oscillation 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

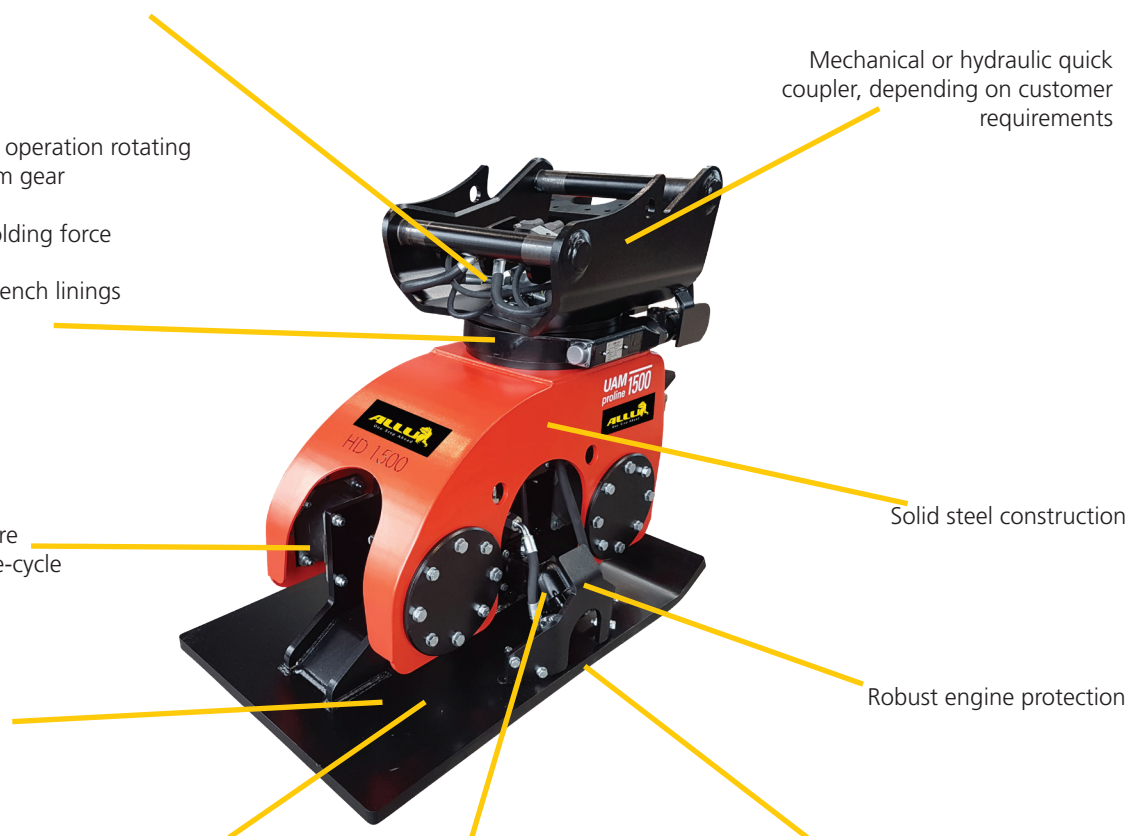
High-quality oil engine with optimised drain layout

Mechanical or hydraulic quick coupler, depending on customer requirements

Solid steel construction

Robust engine protection

Solid single-piece ground plate



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# STANDARD MODELS.

**ALLU Compactor Proline Series' extremely robust design and high impact forces, ensure excellent compaction results combined with outstanding driver/operator comfort.**

## HD500

Base machines from 3 tons

Design and build quality are identical to large compactors. Technology and performance are unbeatable for this size category and are configured for professional use. A service weight of 500kg makes it suitable for base machines of 3 tons and upwards, proving to be particularly useful in landscaping.

**OPTIONAL:**

- Available without standard rotating mechanism

## HD800

Base machines from 7 tons

A service weight of 800 kg makes the HD800 the ideal attachment for base machines of 7 tons upwards.

**OPTIONAL:**

- Controller
- Widening plate, specifically designed for compacting larger surfaces and inclines, width 120 cm, weight 210 kg
- Available without the standard rotating mechanism

## HD1200

Base machines from 15 tons

The HD1200 is designed for base machines of 15 tons and upwards. The HD1200 features an extremely durable and robust design, coupled with excellent compaction performance.

**OPTIONAL:**

- Controller
- Widening plate, specifically designed for compacting larger surfaces and inclines, width 160 cm, weight 350 kg
- Available without the standard rotating mechanism

## HD1500

Base machines from 20 to 60 tons

The HD1500 compactor with a service weight of 135 tons is designed for base machines of between 20 to 60 tons. A service weight of 135 tons ensures optimum compaction of maximum fill depths.

**OPTIONAL:**

- Controller
- Widening plate, specifically designed for compacting larger surfaces and inclines, width 200 cm, weight 470 kg
- Available without the standard rotating mechanism

## HD2000

Base machine from 20 to 60 tons

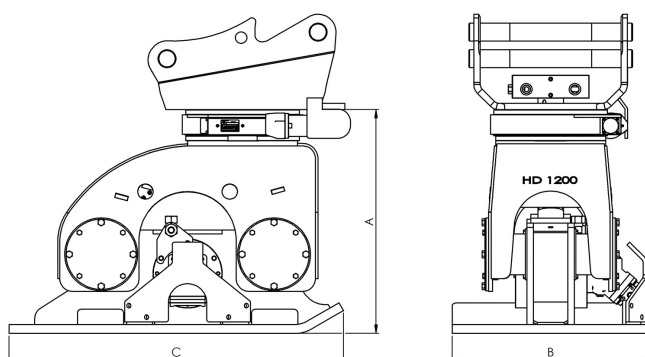
The largest and heaviest of the Proline compactors, delivering an enormous impact force of 20,000 kg at 40 Hz, has set unprecedented performance standards. Its plate dimensions are in excess of 1.7 m<sup>2</sup> making it ideal for large-volume compaction operations involving heavy machines.

**OPTIONAL:**

- Controller
- Available without the standard rotating mechanism

## TECHNICAL SPECIFICATIONS.

CHARACTERISTICS	HD 500	HD 800	HD 1200	HD 1500	HD 2000
Excavator service weight (tons/kg)	5 - 10	7 - 20	15 - 30	20 - 60	20 - 60
Weight incl. quick connection counterpart (kg)	470	780	1170	1170	1800
Overall height incl. quick connection counterpart (mm)	900	1104	1266	1266	1400
Plate dimensions (mm)	510 x 800	660 - 1000	770 x 1200	770 x 1200	1100 x 1550
Frequency range (Hz)	35 - 60	35 - 60	35 - 60	35 - 60	35 - 50
Recom. minimum oil quantity (l/min)	60	90	150	150	210
Max. pressure (bar)	210	210	210	210	210
Dynamic impact force (kg)	1500 - 4300	2800 - 8300	5000 - 14800	5000 - 14800	15000 - 30500
Hydr. rotating mechanism, holding force (Nm)	3300	9300	12900	12900	12900
Dimensions	800 x 510 x 645	1000x660x785	1200 x 770 x 875	1200 x 770 x 875	1550 x 1100 x 990



The ALLU compactor features a generous oil supply to cool and lubricate moving parts. This makes it highly suitable for the most demanding working conditions and long operating times.

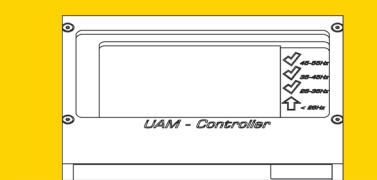
## FREQUENCY CONTROLLER.

The frequency controller is a monitoring module designed to prevent damage to pipes and surrounding buildings. The controller constantly measures the frequency and warns the operator if the ground's natural frequency is reached or is at risk of being reached (e.g. in the case of damp or heavy ground or excessive load on the compactor).

### Specifications

- Optical control display directly viewed from the base machine (4 LEDs)
- Electronic logbook with date, time, frequency and operating hours, also logs the operation location via integrated GPS module

- Reading and logging via Bluetooth connection



# CABLE AND PIPELINE CONSTRUCTION.

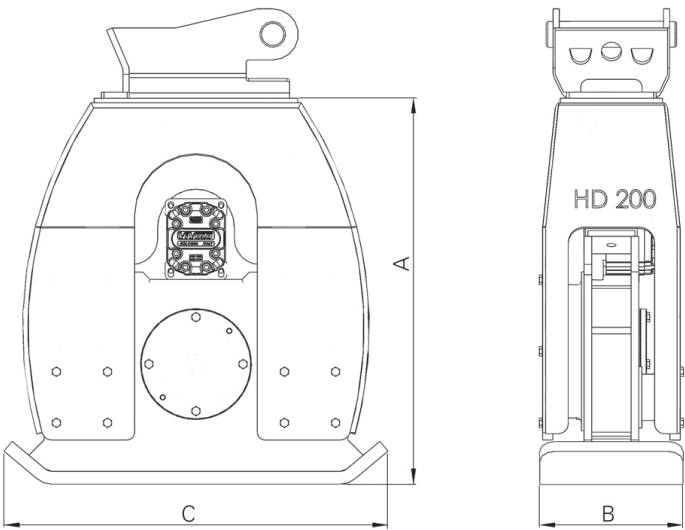
## HD200

Base machines from 3 to 60 tons

With a plate width of only 280 mm, the HD200 is particularly suited for compaction in confined spaces and in pipeline channel construction. Despite its small size, the compactor is extremely robust, and can be used on base machines ranging from 3 to 60 tons. Its enormous impact force of up to 4,500 kg, means it is unique in this size category, enabling efficient compaction at maximum fill depths.

**OPTIONAL:**

- Hydraulic rotating mechanism with worm gear
- Widening plate, width 400 mm



## TECHNICAL SPECIFICATIONS.

CHARACTERISTICS	HD 200	HD 200 TL	HD 200 TS
Excavator service weight (tons/kg)	5 - 20	10 - 60	10 - 60
Weight incl. quick connection counterpart (kg)	300	800	750
Overall height incl. quick connection counterpart (mm)	931	2968	2168
Plate dimensions (mm)	280 x 750	280 x 750	280 x 750
Frequency range (Hz)	35 - 60	35 - 60	35 - 60
Recom. minimum oil quantity (l/min)	100	100	100
Max. pressure (bar)	210	210	210
Dynamic impact force (kg)	1000 - 4500	1000 - 4500	1000 - 4500
Hydr. rotating mechanism, holding force (Nm)		12900	12900
Dimensions	750 x 280 x 755	750 x 280 (695) x 2455	750 x 280 (695) x 1655



# COMPACTORS FOR PIPE LAYING APPLICATIONS.

## HD200 TL

The HD200 TL pipe laying compactor is the perfect solution for efficient pipeline channel construction. Optimum compaction is particularly important in the piping area in order to prevent damage to the pipes once they have been laid. Its compact footprint and ease of handling enable optimum compaction even in confined spaces.

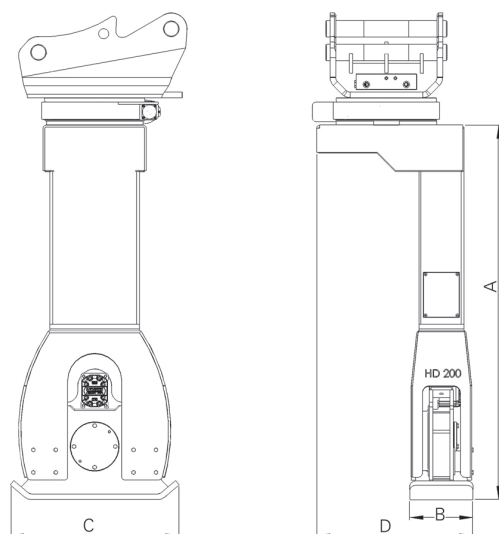
Compaction work for pipes and pits is quickly and safely completed, even at significant depths, without exhaust emissions, or the need for personnel in the trench. Not

only does this mean that safety aspects are addressed, but that there is full compliance with the legal requirements for respiratory apparatus when operating combustion engine compactors in trenches.

The enormous impact force of the HD200 TL of up to 4,500 kg is unique, enabling efficient compaction at maximum fill depths. The HD200 TL is suitable for pipes up to DN 2200.

## HD200 TS

The HD200 TS has the same performance and functionality as the HD200 TL, however it is a shorter variant and can be used for pipes up to DN 1400.



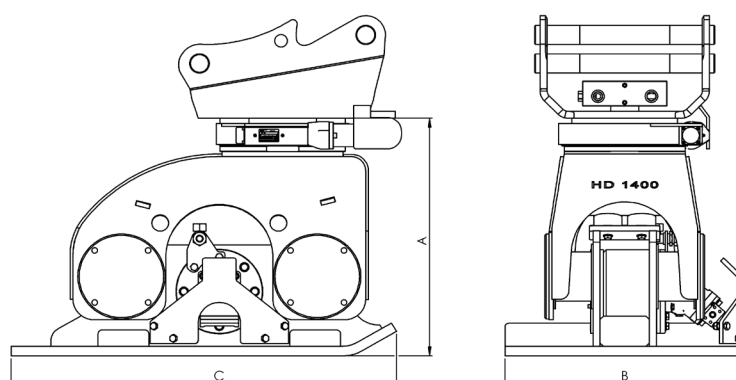
The ALLU compactor features a very generous oil supply to cool and lubricate moving parts. This makes it ideally suited to demanding working conditions and long operating times.

# EASY & SMALL LINE COMPACTORS.

## HD1000 | HD1400

These models are aimed at the mid-range price segment, but still meet the highest quality requirements, with the range being comprised of the ALLU HD1000 and HD1400 compactors. To deal with the varying compaction requirements of different soils, the compactor can be operated from the base machine via the shear circuit using two permanently set frequencies.

The ALLU HD1000 and HD1400 have a high-quality worm gear rotating mechanism, but are also available with a fixed upper body (e.g. if the base machine already has a rotator).

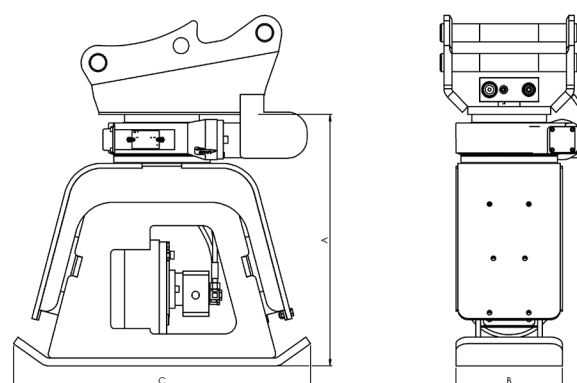


## HD125 | HD140

Base machines up to approx. 10 tons

A narrow ground plate makes both compact models ideally suited to efficient, economic compaction of narrow trenches, e.g. in channel or pipeline construction.

The standard versions of the HD125 and HD140 do not have a rotating mechanism, but are available with a hydraulic worm gear rotating mechanism as an option.



\*Diagram includes optional rotating mechanism

## TECHNICAL SPECIFICATIONS.

CHARACTERISTICS	HD 1000	HD 1400	HD 125	HD 140
Excavator service weight (tons/kg)	7 - 20	14 - 40	1,5 - 10	1,5 - 10
Weight incl. quick connection counterpart (kg)	790	1210	150	170
Overall height incl. quick connection counterpart (mm)	1104	1266	630	630
Plate dimensions (mm)	720 x 1110	850 x 1370	270 x 740	400 x 740
Frequency range (Hz)	35 - 60	35 - 60	55	55
Recom. minimum oil quantity (l/min)	90	150	40	40
Max. pressure (bar)	230	230	160	160
Dynamic impact force (kg)	3500 - 10000	6500 - 18500	2000	2000
Hydr. rotating mechanism, holding force (Nm)	9300	12900		
Dimensions	1110 x 720 x 785	1370 x 850 x 875	740 x 270 x 460	740 x 400 x 460

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