

ATLAS 1702 D

Canal and Ditch Cleaner



ATLAS I702 D

HYDRAULIC EXCAVATOR

Engine

DEUTZ Diesel Engine,
air-cooled, type BF 6 L 913
Fuel tank capacity: 340 litres
Output as per DIN 70020: 144 HP (106 kW)
as per SAE: max. 150 BHP
Speed: 2,150 RPM
Fuel consumption: approx. 12.5 lt/hr
Electrical system: 24 V

Power Speed Hydraulic System

Heavy-duty double pump with cumulative power control, acting on the dual-circuit system.

This type of pump automatically distributes the full power to the circuit according to requirements. Despite the differing power requirements within the circuits, several movements can be performed simultaneously.

Automatic sum regulation of both circuits. In case of individual operation, movements of the boom, jib and bucket in both directions are automatically supplied with both oil flows.

The pump flows are positively separated when operating the jib ram simultaneously with the lifting rams or the bucket ram. In this case, jib ram control is independent of the other working rams.

This results in maximum speed for both the working and the empty movements. In the case of the pneumatic-tyred excavator, driving in both directions is, likewise, performed with automatic high speed device.

Servo-operated two-lever crosswise control

Maximum pump delivery: 2 x 154 l/min.

Working pressure up to 280 bar

System capacity approx. 400 litres

Oil cooling by separate oil cooling circuit.

Slewing gear driven by piston-type oil hydraulic motor via reduction gear.

Slewing speed of superstructure: 14 RPM

Brake: Pneumatic, foot-operated, springloaded shoe-type brake.

Undercarriage

Pneumatic-tyred excavator

30-ton special excavator axles. Steering axle with automatic oscillating axle lock. Distance-governed hydraulic steering gear.

Tyres: 8x10.00-20, new.

Travelling gear: hydraulically driven by variable speed motor acting as a hydrostatic torque converter. The driving power is automatically adapted to the resistance to rolling. Standard equipped with crawling gear and anti-cavitation valve.

Road and cross-country gears are pneumatically controlled from the operator's cab.

Travelling speed:

in cross-country gear 0-20 km/h

in crawling gear 0-1.0 km/h

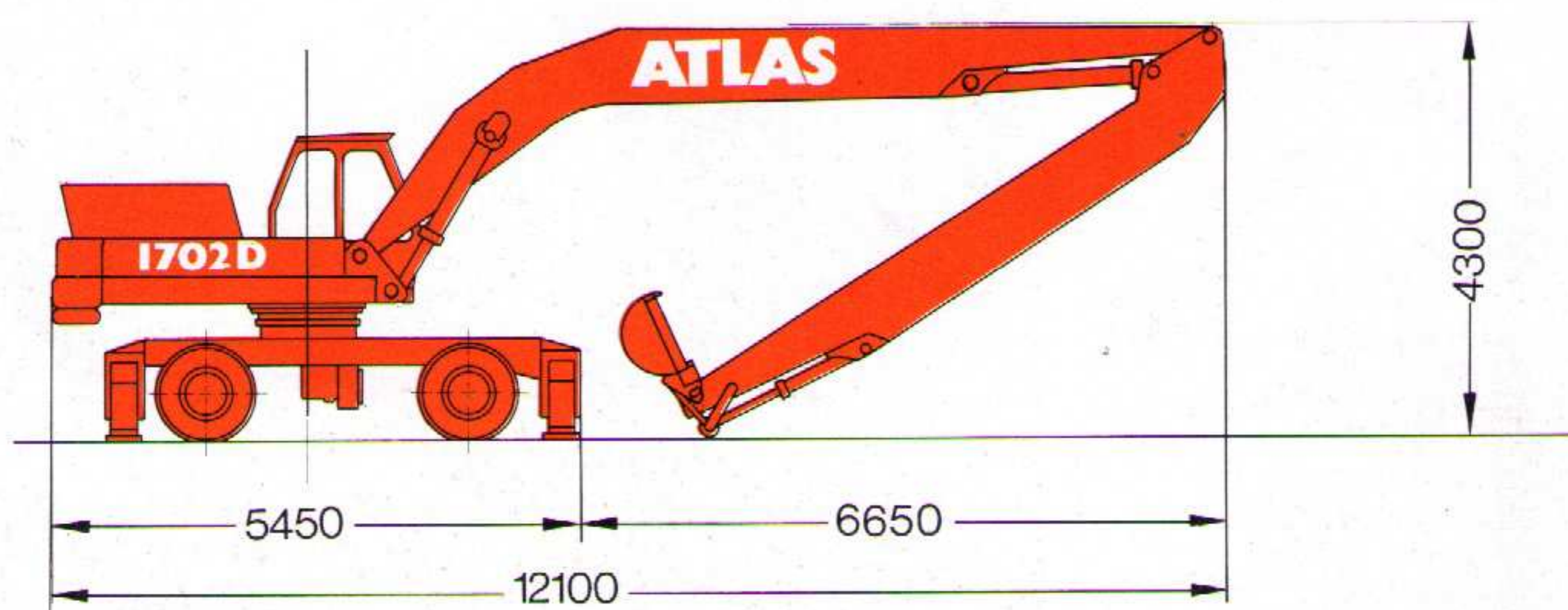
Tracked excavator:

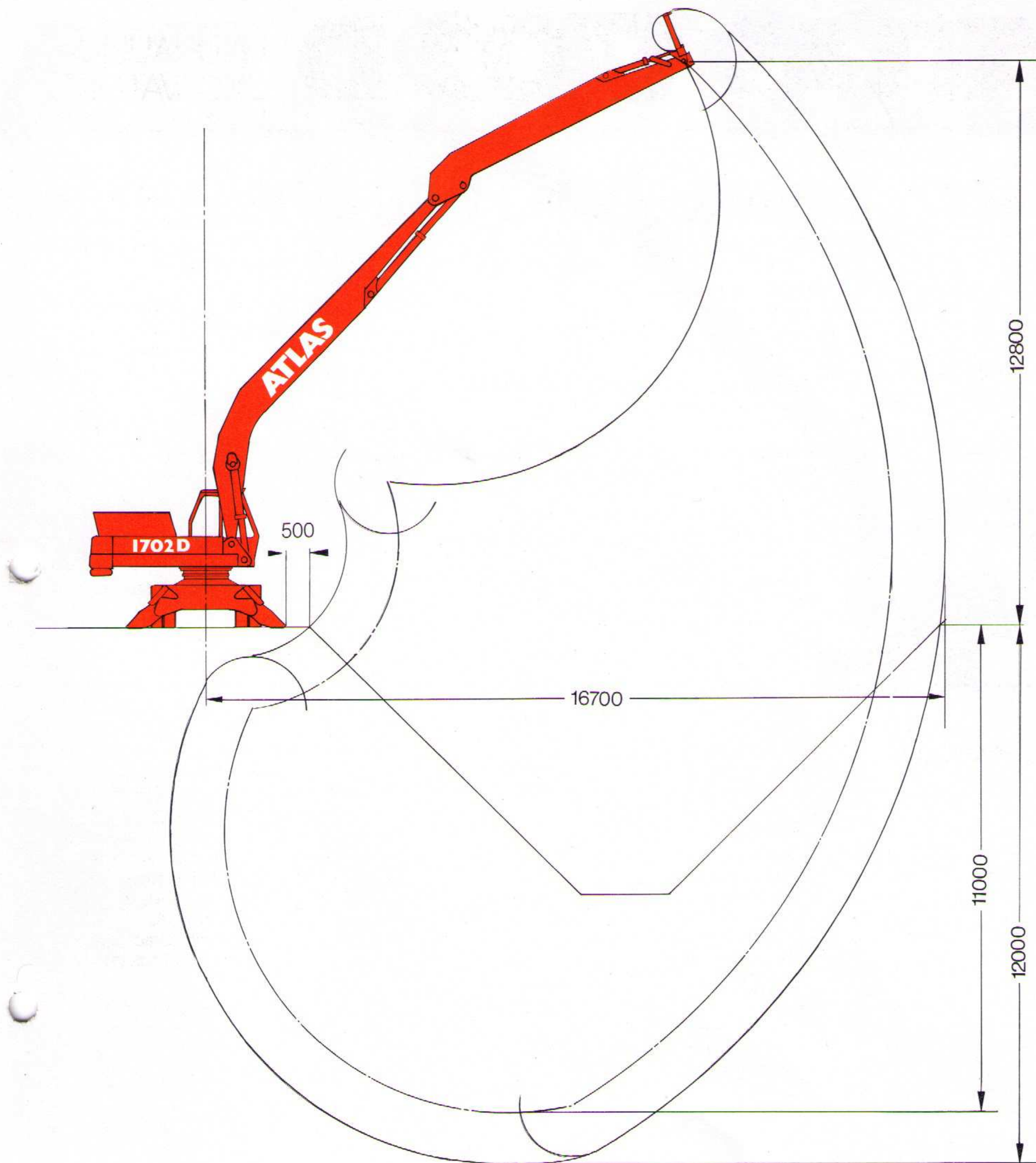
Tracked tractor undercarriage of special design with maintenance-free "lifetime" lubrication. "LC" undercarriages.

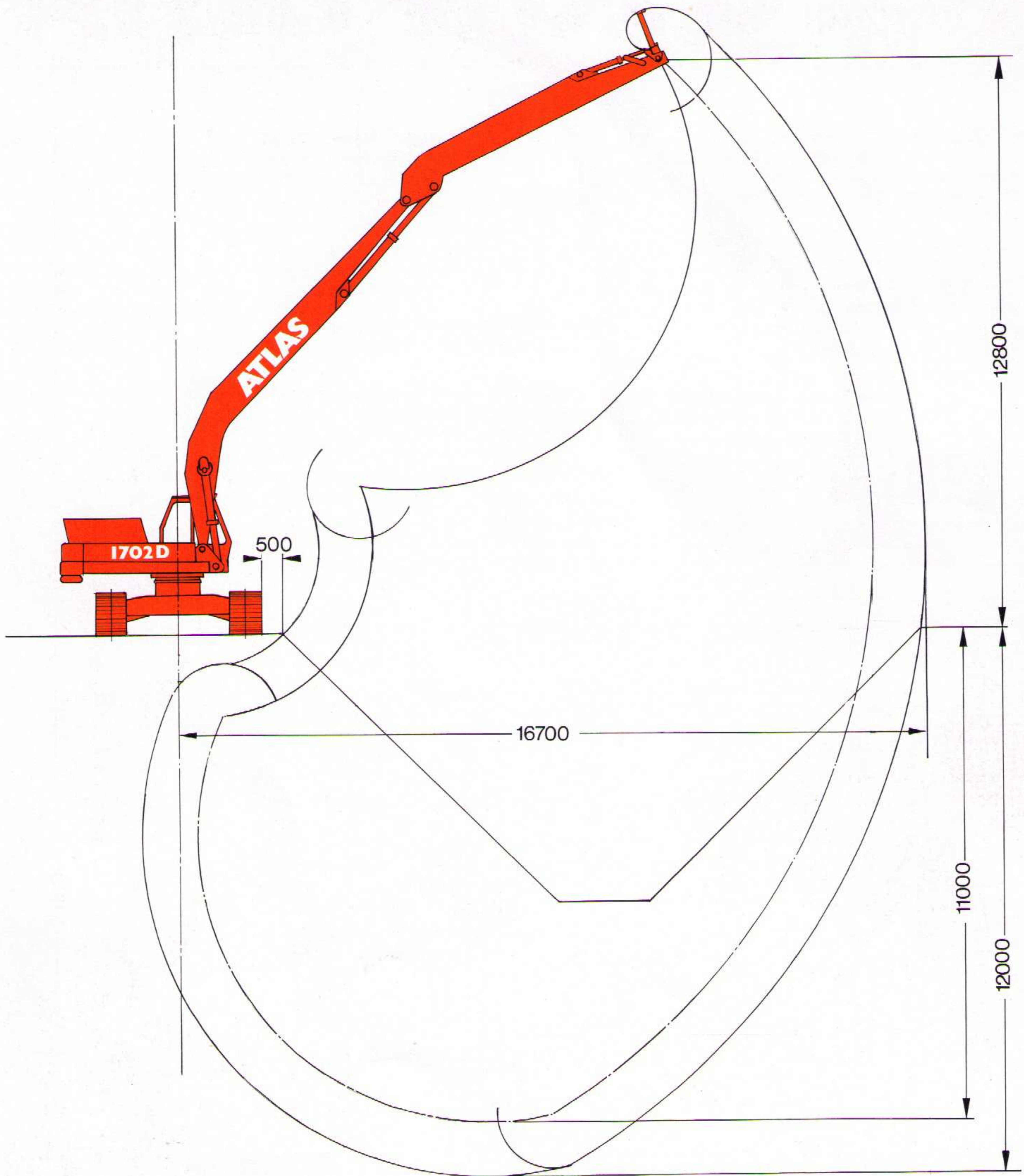
Driven by piston-type oil hydraulic motors via planetary transmission gearing. Automatic disc-type holding brake and additional hydraulic travel brake valve (prevents overspeed when going downhill).

Travelling speed: 0-2.2 km/h. Gradeability approx. 80% (limited by ground conditions).

Shipping dimensions







Subject to design modifications
Dimensions quoted without commitment



ATLAS-WEYHAUSEN

H. WEYHAUSEN KG · MASCHINENFABRIK
STEDINGER STR. 324 · P.O.B. 18 44
D-2870 DELMENHORST · WEST GERMANY
PHONE (0 42 21) 49 10 · TELEX 2 49 238 A WEYD D