



MACHINE CONSTRUCTION

AGRICULTURE IRRIGATION EARTH MOVING

AP DRAINAGE MACHINE DRAINING WITHOUT SLOTS



In transport position



Working

By means of automatic laser control, the knife which draws the drainage hose through the ground at the desired depth, is being held at height very accurate. The depth is adjustable up till 1,7 meters. Due to the slim-shaped knife one sees after a track overground almost nothing. The angle of the knife is measured by a slope sensor and adjusted, if necessary.

To begin the knife must be put in at depth in the side of a ditch; at the end of the drain the knife can be turned out of the ground easily. For every desired depth, the tow-line can be easily adjusted with a heavy sideshift so that the pull line is always in the middle of the tractor. Because of this the tractor will run straight on and the tensile force can be used efficiently.

Because of the solide and heavy construction the machine weighs 3 tons. This weight is necessary to enable the machine to go stable through the ground and to obtain a proper distribution of weight on the tractor. To be able to pull the drainage machine a tractor of minimal 250 hp is required.

Standard equipment AP drainage machine:

- Tempered steel knife
- Hydraulically controlled reel holder for 2 rolls drainage hose (optional 4 rolls)
- Hydraulic drawbar at tractor
- Hydraulically driven cut-off unit for drainage hose
- Danfoss valve block 6-sections (load-sense)
- Topcon laser receiver, System V control box, slope sensor
- Side-shift for pulling line adjustment
- Hydraulic top link
- Storage tube for tripod
- Hydraulically adjustable receiver mast
- Danfoss digital level
- Socket for the tubes
- Platform around the frame

→ Note : the right lift cylinder of the 3-point linkage will be steered by the Danfoss level

Advantages AP drainage machine:

- Easy to use
- Great flexibility for transport
- High accuracy
- Little wear parts
- No soil compaction