



## Characteristics of the tractor to pull Delfino 3s plough of the Vallerani System

Given the characteristics of the soil and the type of processing carried out with Delfino 3s, a **180-210 HP four-wheel drive tractor** with a **weight of 8-10 tons** is required.

The tractor must be fitted with:

- **6 spline PTO and 1000 r.p.m.**
- **Mono-polar socket 12 VDC**
- **Three-point linkage, category 2 or 3N**
- **Maximum ballast: both in front and on rear wheels.** The tractor (without plough) must achieve a weight of 8-10 Tons. If the tractor is lighter, during ploughing the wheels can spin on the ground or be lifted from the soil. So, the tractor and the plough won't work well, and the tires wear out very quickly.
- To ensure the best grip while ploughing and reduce soil compactness, we recommend the use of the widest possible **tires**
- If it is planned to work sloping land (possible up to 25%) it is important to have **hubs to enlarge the track**
- The long field experience has shown that the "**air operated trailer brakes**" is very useful for both: servicing of the tractor and the plough and solving problems related to tires drilling. We recommend it.
- We recommend the "tropic" option which provides the tractor with parts specially conceived for tropic working conditions

To ensure continuity of work we recommend to order the amount of **spare parts** needed for the planned hectares of work for each year. This amount is based on the expected labour, soil characteristics, care and diligence. However, at the purchase of the tractor we recommend also the purchase of spare parts for an amount equal to about 6-8% of its cost (please ask for our recommended spare parts list).

**Vallerani System srl**  
Piazza XXV aprile, 4  
Fraz. Cerqueto  
06055 Marsciano - Italy  
C.F.03297710547

41 77 4691710  
www.vallerani.com  
info@vallerani.com