

Hydraulic Requirements

The following are general guidelines for evaluating a planter's overall hydraulic system requirements for calculating tractor capabilities and custom hose sizing.

Raise/Lower	10 gpm
Markers	4 gpm
Precision Planting Hydraulic Drive Motor (RowFlow)	4 gpm
CCS	8 gpm
Precision Planting Hydraulic AirForce Compressor	4 gpm
Precision Planting FurrowForce Compressor	4.5 gpm
Precision Planting Hydraulic Alternator	6 gpm
DeltaForce	.25 gpm per row
Vacuum Blowers	See Below

Vacuum Blower Hydraulic Requirements:

The exact pressure and flow requirements of vacuum blowers can vary greatly and are commonly dependent on:

- Number of planter rows
- Type of metering system (vSet, SpeedTube, vSetSelect, OEM)
- Type and total number of vacuum blower(s)

Motor Displacement	GPM
John Deere 3.5cc	5 gpm
Precision Planting 4cc	7 gpm
Precision Planting 6cc	10 gpm

- Age of vacuum blower
- Overall frame fold and flex points / vacuum ductwork layout
- Crop types and seed sizes
- Ground speed and general seed bed condition

The flow requirements listed above are maximum requirements.