

1 Specifications Fyra

1.1 Vehicle specification information

Specification	Details
Vehicle Weight	410 kg
Vehicle Weight Without Battery	393 kg
Vehicle Width	160 mm more than the required free space between rear wheels
Vehicle Length	1923 mm
Free Space Between Rear Wheels	640 mm - 1280 mm
Maximum Vehicle Speed	1.2 m/s
Maximum Reverse Speed	0.3 m/s
Maximum Acceleration	0.2 m/s ²
Maximum Deceleration at Stop	0.5 m/s ²
Maximum Emergency Braking Force	55 Nm (can be selected up to 1000 Nm)
Maximum Slope Climbing Capability	5%
Ground Clearance	50 mm
Detection Range of Pallet Scanner	2300 mm
Detection Angle of Pallet Scanner	95°
Detection Range of Obstacle Scanner	40 meters (adjustable by software)
Detection Angle of Obstacle Scanner	215°

1.2 Lifting Mechanism

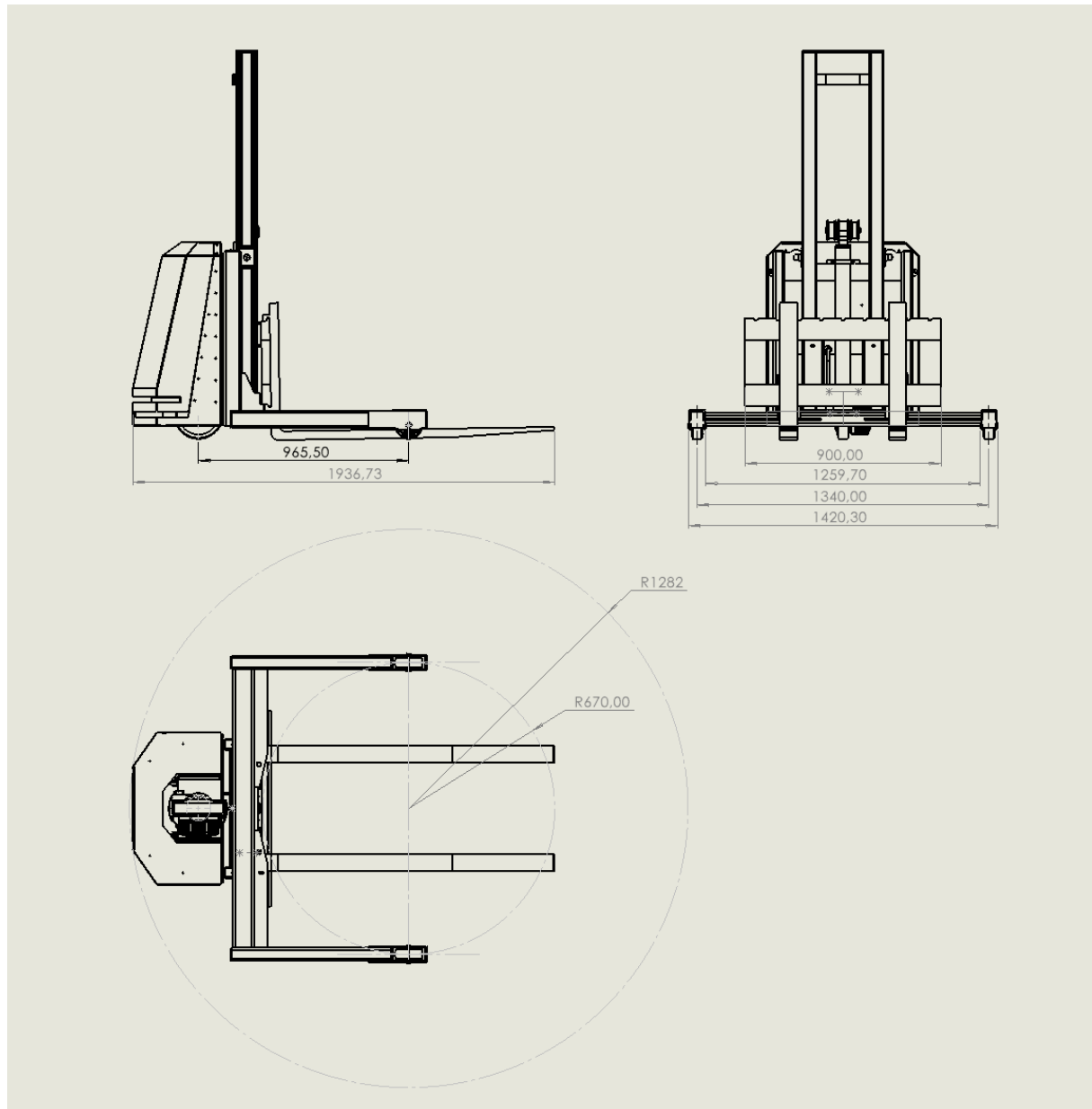
Specification	Details
Maximum Load (600 mm from fork carriage)	1000 kg
Theoretical Lifting Height	1200 mm
Maximum Delivery/Pick-up Pallet Height	1100 mm
Lifting Time to Maximum Height of Forks	20 seconds
Maximum Mast Adjustment Angle	1.5°
Dimensions of Forks	Choice of all types of FEM2B forks
Width of Fork Carriage	360 to 1100 mm (maximum 200 mm narrower than the required space between rear wheels)
Maximum Hydraulic System Pressure	85 bar
Hydraulic Motor Power	0.8 kW

2 Examples of possible configurations

2.1 Version dimensioned for a 48 X 48 inch MH1 pallet (1219 x 1219)

- Space required between rear wheels 1259
- Required dimension forkboard 900

Result:



2.2 Version dimensioned for a 800 X 1200 pallet (ISO) 6780

- Space required between rear wheels 840 mm
- Maximum forkboard width 640 mm

Result:

