



## 6.6 FOREST TRAILER WITH HYDRAULIC DRIVE PCN-10 trailer



The trailer is adapted to forwarding cut to length of 5,3 – 6,0 m lengths. The hydraulic drive system built in the trailer has been designed for improving traction properties of a tractor aggregated with the trailer in places where due to terrain conditions tractor's wheels lose traction and start to spin. In such a case the operator can activate supporting drive and leave the area or drive uphill. The drive is activated manually and it turns off automatically after:

- a) exceeding a drive speed of 5 km/h
- b) decreasing of PTO shaft's revolutions below 800 rpm.

The trailer should be aggregated with tractors equipped with a pick up hitch for one-axle trailers with a maximum pick up hitch load of 21 kN (approximately 2100 kg). To utilize the full payload the tractor should have a proper power, i.e. minimum 90 kW. It is advised to use a tractor with 4 wheels drive.

Trailer:	
Payload	10 000 kg
Trailer's own weight	~ 1 610 kg
Trailer's weight with a crane	3 300 kg
Load area	2,3 m <sup>2</sup>
Main beam length behind head rack	4400 mm
Trailer's dimensions:	
length	6440 mm
width	2500 mm
Height without crane	2515 mm
Tyres	500/60-22,5

Recommended crane OTL 54T (see information card 6.9)	
Gross lifting torque	33,6 kNm
Grapple gripping area tip to tip	0,18 m <sup>2</sup>
Maximum outreach	6,70 m

Supporting drive:	
Hydraulic drive powered from PTO shaft	
Powered	2 wheels
PTO shaft's revolutions	1000 rpm
Drive's power	66 kW
Drive's speed range	0 - 5 km/h