

Forestry Crane



Cranes are designed to form an integral part of the timber trailer
With a range of control systems from basic lever to fully proportional controls;
they can also be removed and used as a three point linkage unit as well

Choice of cranes;

5.3 metres reach

6.3 metres reach

6.7 metres reach

7.5 metres reach



The Comfort Joint is an additional joint that significantly increases the motions available, i.e. the crane can work much more closely inboard and makes it possible to grapple the logs from the ground for direct loading onto the trailer, without having to re-grip the logs.

With the slewing mechanism designed the K.T.S way, the crane can be turned through 370°, this enables you to reach even logs located in front of the tractor.

Specifications

	Crane 5.3 m	Crane 6.3 m	Crane 6.7 m	Crane 7.5 m
Reach	5.3 m	6.3 m	6.7m	7.5 m
Comfort joint to simplify work			Yes/standard	
Hydraulic extension	No		Yes/1.2 m	Yes/2.0 m
Gross lifting force of crane	3.5 ton meter			5.0 ton meter
Grapple area of standard grapple	0.18 m ²			0.21 m ²
Fully rotating rotator			Yes/standard	
Rotator torque			750 Nm (75 kpm)	
Slewing attenuator on rotator link			Yes/standard	
Hydraulic support legs on the trailer when sold with crane			Yes/standard	
Telescopic support legs instead of support legs			Extra equipment	
Hydraulic support legs when the crane is sold with a 3-point adaptor	Mechanical: standard Hydraulic: extra			Yes/standard
No. of slewing cylinders on slewing house			4	
Slewing angle		370° (360° is a complete revolution)		
Slewing torque	10.4 kNm (1 060 kpm)		13.0 kNm (1 326 kpm)	
Height of slewing house		290 mm		
Hydraulic valve	7 slides		8 slides	
Control levers	7 lever		1+1 levers with 2 functions each + 4 levers (known as 2-lever arrangement)	
Other control lever systems available		Yes, extra equipment		
Float position on hydraulic valve		On 2 functions: boom and slewing of crane		
Hydraulic valve suitable for open or closed hydraulic systems		Yes, extra equipment		
Closed hydraulic system for e.g. John Deere				
Recommended pump capacity	15-50 l/min		20-60 l/min	
Lower or higher flows can be used: the crane will simply perform more slowly or faster				
System pressure		175 bar (175 kg/cm ²)		
Lower pressure: lifting capacity will be reduced. Higher pressure: no increase in lifting capacity, as the hydraulic system is fitted with a pressure relief safety valve.				
Maximum pressure		220 bar (220 kg/cm ²)		
Lubricatable bushings or link bearings in all joints		Yes/standard		
3-point adaptor for 3-point hitch	28 mm category 2, 825 mm between hydraulic arms attachment points			
Weight, including grapple, rotator and 3-point adaptor	810 kg	850 kg	1 015 kg	1 065 kg
Weight, 3-point adaptor		250kg		
Weight, grapple	65 kg		80 kg	

All performance specifications are pressure dependent are calculated at 175 bar pressure

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