Forestry crane for wood, 360° rotation with return mod. FORESTAL

PATENTED SYSTEM

The forestry crane (patented system) is used mainly for lifting and handling of timber.
It can be assembled on a transporter, two-wheeled tractors (Caron, Carraro, Goldoni), chippers and tractors, even with small engines, with three-point hitches. The cranes are designed to allow movement of materials at a substantial height.
This crane is controlled directly via the commands positioned in from of the operator's seat. Thanks to the special structure of the arms, it is possible to use the entire lorry body, even the part nearest the crane, where other loaders are inefficient



Tecnomeccanica S.r.l.
Via I° Maggio, 56 - 10035 Casale di Mazzè (TO)
Tel. +39 011 9830776 - Fax +39 011 9830776
www.tecnomecannicaformia.it

TECHNICAL DATA

	TFC3000 FORESTAL	TFC3500 FORESTAL	TFC4200 FORESTAL	TFC5100 FORESTAL	TFC6000 FORESTAL
Arm length - to grab center (mm)	3000	3500	4200	5100	6000
1° Arm length (mm)	1650	1650	1650	2000	2060
2° Arm length (mm)	1350	1350	1550	1900	1900
Weight (Kg)	450	480	700	900	1270
Max weight / Max Load (senza pinza e rotore a 210 bar)	300	250	400	500	500
Max weight 1°arm (kg)	435	435	700	810	860
Max weight 2°arm (kg)	300	300	550	620	670
MAX height (mm)	4500	5000	5500	6500	7.500
Minimum required tractor	35-40 HP	35-40 HP	55-60 HP	80-90 HP	100-110 HP
Central rotation	360°	360°	360°	360°	360°
Unlimited grab rotation	360° rotator TR15	360° rotator TR15	360° rotator TR15	360° rotator T1	360° rotore T3
Arms	2	2	2	2	2
Sliding hydraulic arms	-	1	1	1	1
Sliding hydraulic arm length (mm)	-	500	1000	1200	1500
Weight 1°Sliding hydraulic arms (kg)	-	250	400	500	570
Grab Type	THL 30	THL 30	THLS 30	THLS 30	TP120

ACCESSORIES

	TFC3000 FORESTAL	TFC3500 FORESTAL	TFC4200 FORESTAL	TFC5100 FORESTAL	TFC6000 FORESTAL
Excavation Kit	0	0	0	0	-
Independent hydraulic system	0	0	S	S	S
Seat	0	0	-	-	-
Supplemental G3 step-up gear unit with power drive through shaft	-	-	0	0	O
Central seat	-	-	S	S	-
Lateral seat	-	-	0	0	S
Hydraulic arm	-	S	S	S	S
Joystick	-	-	0	0	S
Tow kit not approved for the road	-	-	0	0	O

Tecnomeccanica S.r.l.
Via I° Maggio, 56 - 10035 Casale di Mazzè (TO)
Tel. +39 011 9830776 - Fax +39 011 9830776
www.tecnomecannicaformia.it

Double pump to connect to joystick	-	-	0	0	S
Un-proportional radio control	0	0	0	0	-

O = optional / S = standard / – = not available.

"central column" system,



Forestry crane- TFC4200 FORESTAL

In order to maintain balance during operation and when the machinery is at a halt during road transfers, these loaders have been engineered with a "central column" system, with the central axis fitted in the middle. This system avoids jolts or the tractor from turning over, when driving up-hill or down-hill.
The TFC3000 / TF C3500 / TFC 4200 / TFC5100/TFC6000 FORESTAL loaders are mainly used for timber lifting and handling. These loaders allow handling at considerable heights.
This loader is operated directly by the operator's front side controls.The TFC3000 FORESTAL. is fitted with ground side controls and without a seat.
The difference between the TFC3000 / TF C3500 / TFC 4200 / TFC5100/TFC6000 FORESTAL models is in the arm length, which also determines the identification code. The TF 380 differs from the other models because it is equipped with one arm only and a boom

UTILIZATIONS

	Assembly on power hoes: • CARON
	**INDUSTRIAL VEHICLES** They can be fitted to the frame behind the cabin (keeping the loading bucket free on three sides), or behind the loading bucket (with the possibility of tipping it on either sides). The loader is easily removed by pulling out the bolt (behind the loading bucket).
	**BIO-CHOPPERS**

SUPPORT FEET

All models are equipped with large support feet which make easier the fixing and releasing of the loader, and give the required stability during operation.

The **TFC4200 - 5100 FORESTAL** models have pivot-opening leveling jacks.
The **TF C3000- 3500 FORESTAL** models are fitted with leveling jacks with manual side opening of the supporting feet of 50 cm and telescopic hydraulic descent, or they can be fitted with compass opening system like the other models.
The tower rotation is of 450°.

All versions are mounted on bearings and the arm cylinders are fitted with

OVER-CENTER valves regulating and making smoother the descent speed.

Tecnomeccanica S.r.l.
Via I° Maggio, 56 - 10035 Casale di Mazzè (TO)
Tel. +39 011 9830776 - Fax +39 011 9830776
www.tecnomecannicaformia.it