

# F120.AF.180.42

max pull-tension 180 kN (2 x 90 kN)



Hydraulic machine designed to operate both as a tensioner and as puller, fit to string 1, 2, 3 or 4 ropes or conductors. Two hydraulic circuits allow to tension at constant force even varying the speed of stringing. The two circuits can be used independently or simultaneously, with automatic forces partition. In puller mode, 2 closed hydraulic circuits allow to vary the speed in both directions, allowing to use one of the hydraulic circuits or both of them matched.

FEATURES		ENGINE		PULL PERFORMANCES	
Capstans	4 x Ø 1500 mm	Feeding	diesel	Max pull	1 x 180 kN or 2 x 90 kN
Max conductor diameter	4 x 45 mm	Power	278 hp / 205 kW 278 hp / 205 kW *	Speed at max pull	2,1 km/h 2,1 km/h *
Max rope diameter	30 mm	Cooling	water	Max speed	5 km/h 5 km/h *
Dimensions LxWxH	6,00x2,50x3,15 m	Electric plant	24 V		
Weight	13200 kg				

TENSION PERFORMANCES	
Max tension force	1 x 180 kN or 2 x 90 kN
Max speed	5 km/h

## CONFIGURATION

- Two pairs of capstans with steel grooves thermally and chemically treated, high resistance, fit for steel wire ropes or conductors.
- Machine control panel equipped with 2 built-in electronic instruments DEG 4.0 featuring a 7" large graphic colour display and a USB port.
- **Maintenance-free load cell reading system.**
- **Electronic instrument by-pass.**
- **Self-recovery device for sagging operations.**
- In puller mode, device for pull-force setting, which allows to maintain the pre-set force even at speed "0".
- Two safety negative hydraulic brakes.
- Back conductor-drivers with nylon rollers for 4 cond.
- Frame with two axles, steering-one with drawbar, leaf spring suspensions and tires, fit for towing at low speed in job-site.
- Hydraulic front plough.
- Attachments for anchoring and for lifting.
- Oil cooling system.
- Four auxiliary hydraulic circuits for additional equipment (4 reel-winders or 4 reel-stands).
- Grounding connection point.

## OPTIONAL DEVICES

- 006.4 Arrangement of the chassis for circulation on road (homologation excluded).
- 012 Hydraulic circuit to feed a press for high pressure joints (max. 700 bar).
- 014 Reel-winder arm fit for a 1600-mm-dia. reel (1 or 2).
- 028.7 Device to start the diesel engine and the hydraulic circuit at low temperatures (up to -30°C).
- 037 Remote control by cable, with 10 m of cable.
- 038 Radio-control (max distance 100 m).
- 045.2 Automatic clamp for 4 ropes/conductors.
- 045.3 Manual clamp for 4 ropes/conductors.
- 069.5 Printer for the electronic recorder, with accessories.

\* According to the EC directive 97/68/CE with subsequent amendments and additions.

Performances of the machine without optional devices, at sea level and temperature 20°C.  
Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.