

# F120.AF.90.2

max pull-tension 90 kN



Hydraulic machine designed to operate both as a tensioner and as a puller, fit to string one or two ropes or conductors. One hydraulic circuit allows to tension at constant force even varying the speed of stringing. In puller mode, one hydraulic circuit allows to continuously vary the speed in both directions.

## FEATURES

Capstans	2 x Ø 1500 mm
Capstan grooves	10
Max conductor diameter	2 x 42 mm
Max rope diameter	18 mm
Dimensions LxWxH	4,00x2,25x2,30 m
Weight	5000 kg

## ENGINE

Feeding	diesel
Power	135 hp / 100 kW 135 hp / 100 kW *
Cooling	water
Electric plant	12 V

## PULL PERFORMANCES

Max pull	90 kN
Speed at max pull	2,4 km/h 2,4 km/h *
Max speed	5 km/h
Pull at max speed	45 kN 45 kN *

## TENSION PERFORMANCES

Max tension force	90 kN
Max speed	5 km/h

ALSO AVAILABLE VERSION WITH  
Ø1800 mm CAPSTANS

## CONFIGURATION

- One pair of steel capstans lined with multi-grooved nylon sectors.
- Machine control panel equipped with built-in electronic instrument 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.**
- Device to control low-force tensions (4-30 kN), fit for OPGW.
- In puller mode, device for pull-force setting, which allows to maintain the pre-set force even at speed "0".
- Freewheeling disconnection (neutral) of capstans.
- Safety negative hydraulic brake.
- Back fix conductor-driver with nylon rollers for 2 cond.
- Chassis with rigid axle, manual brake and detachable drawbar for towing at low speed in job-site.
- Hydraulic front plough and back stabilisers.
- Attachments for anchoring and for lifting.
- Oil cooling system.
- Two auxiliary hydraulic circuits for additional equipment (1 or 2 reel-winders or reel-stands).
- Grounding connection point.

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

## OPTIONAL DEVICES

- 008 Damped axle, air braking system, drawbar and lights.
- 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.
- 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 2 ropes/conductors.
- 045.3 Manual clamp for 2 ropes/conductors.
- 069.5 Printer for the electronic recorder, with accessories.
- 119 Capstans with steel grooves chemically treated.
- 174.2 Synchronising device for the connection of 2 machines, complete with remote control by cable (20 m).

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.