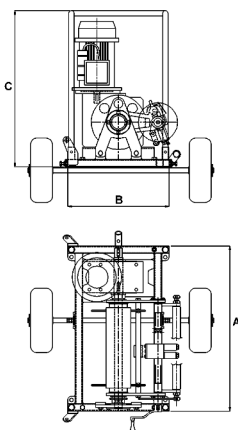


2

HYDRAULIC AND MECHANICAL SERVICE WINCHES

Mod. **F202.PE.05**
 $\frac{C}{A \times B}$

A x B x C = 0,66 x 0,41 x 0,63 m
Weight (without rope) = 60 kg



Electric winch fit to pull one rope in service operations and laying underground wires.

- Steel drum with idle device to rotate freely the drum.
- Automatic and twisting rope winder, fit to stratify 6-mm diameter rope.
- Control panel with amperometer to control the electrical input.
- Irreversible reduction unit.
- Detachable wheels and drawbar for hand moving.
- Fittings for anchoring the machine.
- Rope-driver roller fit for vertical and horizontal pull.
- Demountable protective frame made of tubular steel.

OPTIONAL DEVICES

- 046.3 Rope-presser roller on the drum.
- 074.2 Steel rope.
- 088 - Low tension (48 V) via-cable (5 m) control of the electric motor, with START/STOP push buttons.
- 090 - Monophase electric motor 220 V.
- 091 - Electric motor with two speeds, monophase or triphasic (tension to specify).
- 092.1 Electric motor with inverter for speed variation (adjustable velocity: 0 to 25 m/min).

FEATURES OF THE CAPSTAN

Bottom diameter 100 mm

DRUM CAPACITY





Rope Ø 6 mm 200 m
Rope Ø 3 mm 1000 m

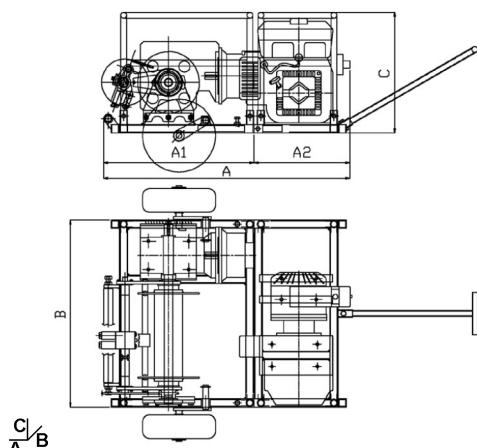
ELECTRIC MOTOR

Feeding 220/380 V - 50 Hz
Power 2,4 hp / 1,8 kW
Cooling air
Protection IP55

PULL PERFORMANCES**on the middle layer of rope**

Max pull 5 kN
Speed at max pull 10 m/min

			
6 mm max rope diameter	200 m drum capacity	1,8 kW motor power	5 kN max pull force

Mod. **F202.P.08**

A x B x C = 0,88 x 0,43 x 0,66 m
Weight (without rope) = 120 kg



Hydraulic winch fit to pull one rope in service operations and laying underground wires. The winch is decomposable in 2 parts. One close hydraulic circuit lets to vary continuously the speed in both directions by operating one only control device.

- Steel drum with idle device to rotate freely the drum.
- Automatic and twisting rope winder, fit to stratify 6-mm diameter rope.
- Dynamometer for reading the pull force.
- Irreversible reduction unit.
- Detachable wheels and drawbar for hand moving.
- Demountable protective frame made of tubular steel.
- Fittings for anchoring the machine.
- Rope-driver roller fit for vertical and horizontal pull.

OPTIONAL DEVICES

- 027 - Metallic coverage with doors.
028.3 Air cooled diesel engine with electric starting and battery 12 V.
090 - Monophase electric motor 220 V.

FEATURES OF THE DRUM

Bottom diameter	100 mm
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DRUM CAPACITY

Rope Ø 6 mm	200 m
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ELECTRIC MOTOR

Feeding	three-phase 220/380 V - 50 Hz
Power	2,4 hp / 1,8 kW
Cooling	air
Protection	IP55

PULL PERFORMANCES**on the middle layer of rope**





Max pull	8 kN
Speed at max pull	6 m/min
Max speed	30 m/min
Pull at max speed	2 kN

DIMENSIONS OF THE MODULES**pulling module**

Dimensions LxWxH	0,54 x 0,43 x 0,66 m
Weight	65 kg

power module

Dimensions LxWxH	0,34 x 0,43 x 0,66 m
Weight	55 kg

			
6 mm max pull diameter	200 m rope capacity	1,8 kW motor power	8 kN max pull force

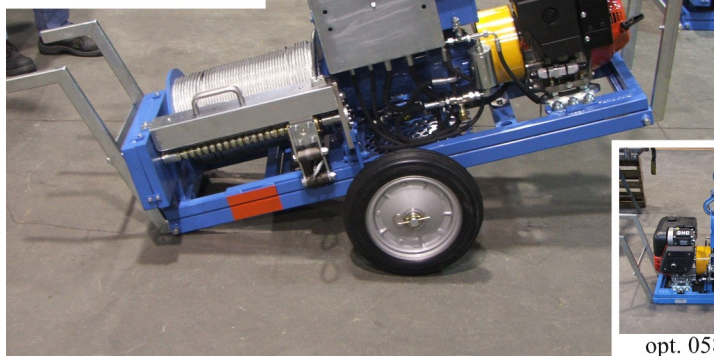
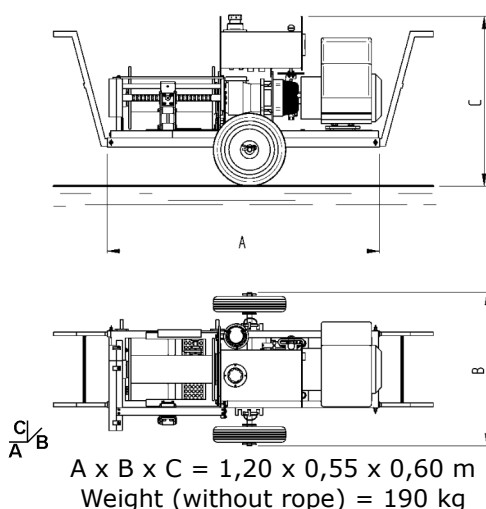
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Performances of the machine without optional devices, at sea level and temperature 20°C. Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

6505-0
rev. 05:12 EN

Mod. **F203.10**

opt. 058.1 + 045.5

Hydraulic winch fit to pull one rope in service operations like setting-ups and adjustment of transmission lines, and to lay underground wires. The winch is decomposable in 3 parts. One close hydraulic circuit lets to vary continuously the speed in both directions by operating one only control device.

- Steel drum.
- Automatic rope winder with idle device for manual operation.
- Dynamometer for reading the pull force.
- Safety hydraulic negative brake.
- Rigid axle with tires and drawbar fit for towing at low speed in workplace.
- Fittings for anchoring the machine.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Rope-driver rollers fit for vertical and horizontal pull.

OPTIONAL DEVICES

- 028.2 Diesel engine with rope starting.
- 034 - Engine electric starting with battery 12 V.
- 035 - Preselector of max pull force to stop the engine in case of overpull.
- 045.5 Manual holdfast for locking the wire. It can be used with optional capstan (see opt. 058.1)
- 058.1 Large groove capstan to be mounted on the motorised hydraulic group (instead of the drum).
- 074.2 Steel rope.

FEATURES OF THE DRUM

Bottom diameter	150 mm
External diameter	325 mm
Width	420 mm

DRUM CAPACITY

Steel rope Ø 8 mm	300 m
Steel rope Ø 6 mm	600 m

ENGINE

Feeding	gasoline
Power	8 hp / 5,8 kW
Cooling	air
Starting	by rope

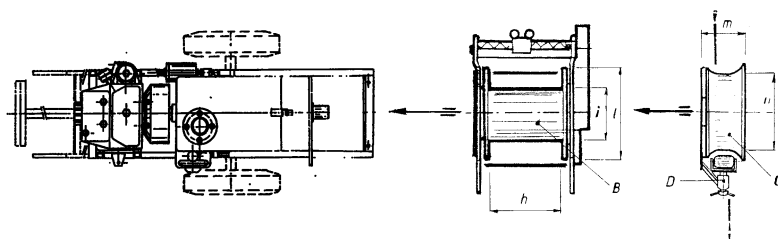
PULL PERFORMANCES**on the middle layer of rope**

Max pull	8 kN
Speed at max pull	15 m/min
Max speed	40 m/min

on the first layer of rope

Max pull	15 kN
Speed at max pull	8 m/min
Max speed	30 m/min





Also fit for laying
underground cables

**OMAC s.n.c.**

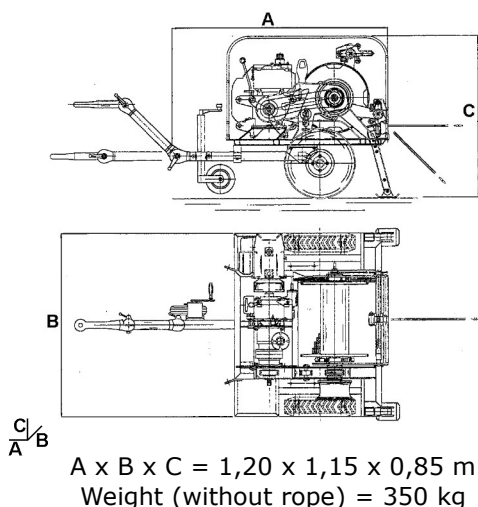
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8 mm max rope diameter	300 m rope capacity	5,8 kW engine power	8/15 kN max pull force

6516-0
rev. 05:12 EN

Mod. **F206.10**

Hydraulic winch fit to pull one rope in service operations like setting-ups and adjustments of transmission lines and lay of underground cables.

One close hydraulic circuit lets to vary continuously the speed in both directions by operating one only control device.

- Detachable drum.
- Automatic swinging rope-winder with idle position for manual operation.
- Dynamometer for reading the pull force.
- Freewheeling of the drum.
- Safety hydraulic negative brake.
- Rigid axle with tires and drawbar fit for towing at low speed in workplace.
- Stabilisers and attachments for anchoring.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Rope-driver rollers fit for vertical and horizontal pull.

OPTIONAL DEVICES

- 003 - Axle with independent torsion bar suspensions and tires for towing on the road at 60 km/h, with mechanical parking brake.
- 026 - PVC cloth cover.
- 028.2 Diesel engine with rope starting.
- 034 - Engine electric starting with battery 12 V.
- 035 - Preselector of max pull force to stop the engine in case of overpull.
- 056.4 Service steel capstans beside the drum.
- 065 - Automatic clamp for rope on side capstan.
- 074.2 Steel rope, diam. 8 or 10 mm, length on demand.
- 090 - Monophase electric motor 220 V.
- 090.1 Three-phasic electric motor.

FEATURES OF THE DRUM

Bottom diameter	200 mm
External diameter	500 mm
Width	500 mm

DRUM CAPACITY

Rope Ø 8 mm	800 m
Rope Ø 10 mm	500 m

ENGINE

Feeding	gasoline
Power	12 hp / 8,8 kW
Cooling	air
Starting	by rope





PULL PERFORMANCES**on the middle layer of rope**

Max pull	10 kN
Speed at max pull	15 m/min
Max speed	40 m/min
Pull at max speed	4 kN

on the first layer of rope

Max pull	15 kN
Speed at max pull	10 m/min
Max speed	30 m/min
Pull at max speed	5 kN

Also fit for laying
underground cables

			
10 mm max rope diameter	500 m rope capacity	8,8 kW motor power	10 kN max pull force

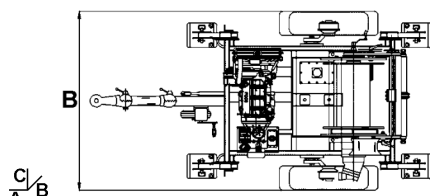
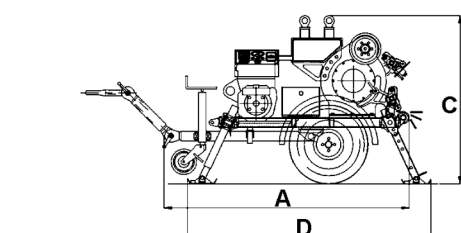
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6530-0
rev. 09:12 EN

Mod. **F207.30**

A x B x C = 1,70 x 1,50 x 1,35 m
Weight (without rope) = 850 kg



Hydraulic winch fit to pull one rope in service operations like setting-ups and adjustments of transmission lines and lay of underground cables.

One close hydraulic circuit lets to vary continuously the speed in both directions by operating one only control device.

- Drum equipped with neutral device for unwinding manually the rope while the engine is off.
- Automatic swinging rope-winder with idle position for manual operation.
- Machine control panel with dynamometer and preselector of max pull force.
- Safety hydraulic negative brake.
- Rigid axle with tires and drawbar fit for towing at low speed in workplace.
- Stabilisers and attachments for anchoring.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Rope-driver rollers fit for vertical and horizontal pull.

OPTIONAL DEVICES

- 007 - Amortised axle, overrun brake and drawbar for towing on the road (homologation excluded).
- 026 - PVC cloth cover.
- 027 - Metallic coverage with doors.
- 037 - Remote control by cable, with 10 m of cable.
- 038 - Radio-control for remote control.
- 046.3 Rope-presser roller on the drum.
- 058 - Service winch with large-groove capstan (Ø 160 or 200 mm) fed by the hydraulic circuit of the puller. Max pulling force 500 kg.
- 064 - Device to control the load descent in case of diesel engine breakdown.
- 074.2 Steel rope.
- 090.1 Three-phasic electric motor.

FEATURES

Drum bottom diameter	270 mm
Optional capstan diameter	160 mm

DRUM CAPACITY

Rope Ø 10 mm – max length	700 m
Rope Ø 10 mm – suggested length	500 m





ENGINE

Feeding	diesel
Power	26 hp / 19 kW
Cooling	water
Electric system	12 V

PULL PERFORMANCES**on the middle layer of rope**

Max pull	30 kN
Speed at max pull	15 m/min
Max speed	70 m/min
Pull at max speed	6 kN

Also fit for laying
underground cables

			
10 mm max rope diameter	700 m rope capacity	19 kW motor power	30 kN max pull force

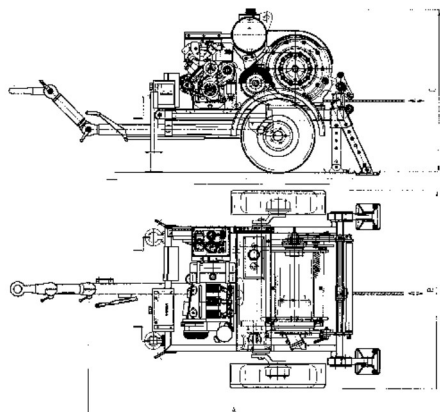
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6545-0
rev. 00:12 EN

Mod. **F210.50**

C/A/B

A x B x C = 2,25 x 1,80 x 1,50 m
Weight (without rope) = 2000 kg



opt. 058



opt. 027



Hydraulic winch fit to pull one rope in service operations like setting-ups and adjustments of transmission lines and lay of underground cables. Direct pull on the drum.
One close hydraulic circuit lets to vary continuously the speed in both directions by operating one only control device.

- Steel drum.
- Automatic swinging rope-winder with idle position for manual operation.
- Machine control panel with dynamometer and preselector of max pull force.
- Safety hydraulic negative brake.
- Rigid axle with tires and drawbar fit for towing at low speed in workplace.
- Stabilisers and attachments for anchoring.
- Heat exchanger to cool the oil in the hydraulic circuit.
- Rope-driver rollers fit for vertical and horizontal pull.

OPTIONAL DEVICES

- 007 - Amortised axle, overrun brake and drawbar for towing on the road (homologation excluded).
- 026 - PVC cloth cover.
- 027 - Metallic coverage with doors.
- 037 - Remote control by cable, with 10 m of cable.
- 038 - Radio-control (max distance 50 m).
- 046.3 Rope-presser roller on the drum.
- 058 - Service winch with large-groove capstan (Ø 160 or 200 mm) fed by the hydraulic circuit of the puller. Max pulling force 500 kg.
- 064 - Braking device to control the descent of the load in the event of an engine's breakdown.
- 074.2 Steel rope.

FEATURES

Drum bottom diameter	400 mm
Optional capstan diameter	200 mm

DRUM CAPACITY

Steel rope Ø 16 mm	400 m
Steel rope Ø 14 mm	500 m





ENGINE

Feeding	diesel
Power	47 hp / 35 kW
Cooling	water
Electric system	12 V

PULL PERFORMANCES**on the middle layer of rope**

Max pull	50 kN @ 21 m/min
Pull	20 kN @ 60 m/min
Max speed	65 m/min

Also fit for laying
underground cables

			
16 mm max rope diameter	400 m rope capacity	35 kW motor power	50 kN max pull force

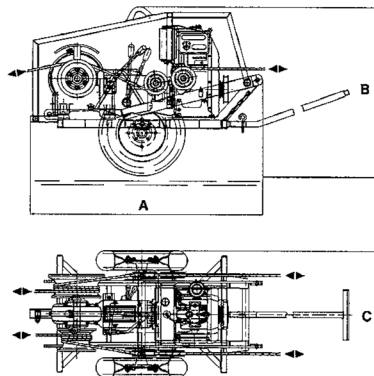
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6565-0
rev. 10:12 EN

Mod. **F44.15**
 $\frac{C}{A} \times B$

A x B x C = 1,10 x 0,70 x 0,70 m
Weight (without rope) = 175 kg



Mechanical winch fit to pull one rope while laying underground cables.

The motion to the capstans is transmitted through a multiple-disk clutch and a gearbox, operated by means of 2 levers.

- Steel capstan dia. 160 mm at bottom groove.
- Steel capstan dia. 200 mm at bottom groove.
- Gearbox with 1 forward and 1 reverse gears.
- Axle with detachable tires and drawbar fit for moving the machine by hand.
- Protection of capstans.
- The puller is easily decomposable in 4 light-weight groups.
- Rope-driver rollers.

OPTIONAL DEVICES

- 028.2 Diesel engine with rope starting.
034 - Engine's electric starting with battery 12 V.
053 - Dynamometer to read the pull force.
091 - Electric motor 220/380 V, one or two speeds.

ENGINE

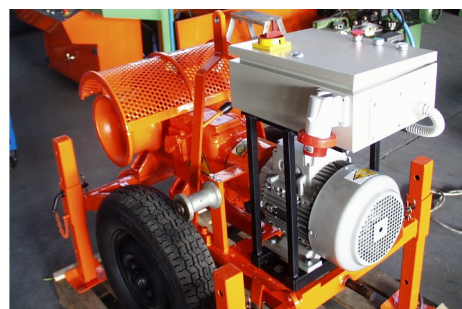
Feeding	gasoline
Power	10 hp / 7,3 kW
Cooling	air
Starting	by rope

PULL PERFORMANCES**with capstan Ø 160 mm**

Forward	18 kN @ 14 m/min
Reverse	15 kN @ 15 m/min

with capstan Ø 200 mm

Forward	12 kN @ 18 m/min
Reverse	10 kN @ 20 m/min

**Opt.091**

8/10
mm
max rope
diameter



7,3
kW
engine
power



15
kN
max pull
force