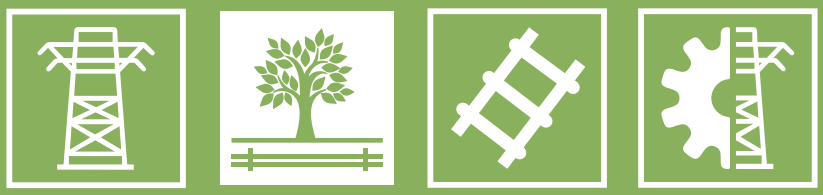
UNDERGROUND CABLE & PIPE LAYING

MACHINES



THE LINK I LIKE

OMAC ITALY
SINCE 1954

INDEX

MACHINES

SUMMARY

FULL-ELECTRIC PULLER

CABLE LAYING

MODEL	CAPACITY	MAX ROPE CAPACITY
UP50-E	50 kN	Ø 12 mm x 1000 m

HYDRAULIC PULLERS

CABLE LAYING

MODEL	CAPACITY	MAX ROPE CAPACITY
UP30	30 kN	Ø 8 mm x 1000 m
UP40	40 kN	Ø 10 mm x 1000 m
UP50	50 kN	Ø 12 mm x 1000 m

CABLE LAYING & PIPE RENEWAL

MODEL	CAPACITY	MAX ROPE CAPACITY
UP100.B	100 kN	Ø 14 mm x 1100 m
UP100	100 kN	Ø 16 mm x 1000 m
UP150	150 kN	Ø 18 mm x 600 m
UP200	200 kN	Ø 22 mm x 1000 m
UP400	400 kN	Ø 32 mm x 1000 m
UP600	600 kN	Ø 38 mm x 700 m

ULTRA DISTANCE HYDRAULIC PULLERS

CABLE LAYING

MODEL	CAPACITY	MAX ROPE CAPACITY
P20.U	20 kN	Over 1000 m
P30.U	30 kN	Over 1000 m
P50.U	50 kN	Over 1000 m

CABLE LAYING & PIPE RENEWAL

MODEL	CAPACITY	MAX ROPE CAPACITY
P100.U	100 kN	Over 1000 m
P150.U	150 kN	Over 1000 m
P200.U	200 kN	Over 1000 m
P400.U	400 kN	Over 1000 m
P600.U	600 kN	Over 1000 m

RECOVERING HYDRAULIC PULLER

CABLE RECOVERING

MODEL	CAPACITY	MAX CABLE DIAMETER
UPR100	100 kN	Ø 80 mm

HYDRAULIC CABLE PUSHER

CABLE LAYING

MODEL	CAPACITY	MAX CABLE DIAMETER
F224	8 - 12 kN	Ø 150 mm

FULL-ELECTRIC PULLER

UP50-E

Full Electric Underground Puller

ZERO EMISSIONS

ZERO POLLUTION

ZERO NOISE

100% GREEN

ZERO MAINTENANCE

100% SAFE

UP50-E MAX PULL 50 KN

Full-electric puller 50 kN. Fit to pull one rope in laying underground transmission cables and fibre-optic cables. Zero emission, zero noise and 100% green.

MAX PULL
50 kN

MAX SPEED
50 m/min

MAX ROPE
14 mm

CAPSTANS
2 x Ø250 mm

FEATURES

CAPSTANS	2 x Ø 250 mm
MAX ROPE DIAMETER	14 mm
DIMENSIONS L x W x H	3880 x 1820 x 1640 mm
WEIGHT (WITHOUT ROPE)	1600 kg

PULL PERFORMANCES

MAX PULL	50 kN
SPEED AT MAX PULL	6 m/min
MAX SPEED	50 m/min

REEL

CAPACITY OF STEEL ROPE:	
Ø 14 mm	800 m
Ø 12 mm	1000 m
Ø 10 mm	1500 m

ELECTRIC POWER UNIT

FEEDING	lithium-ion battery ($LiFePO_4$)
CAPACITY	battery pack 200 Ah
BATTERY VOLTAGE	48 V
RECHARGE	4 H @ 230 V single-phase

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- On-Board charger 230 V/48 V single-phase complete with 5 m of cable and plug
- Fully openable cover in composite material
- Electronic instrument by-pass
- Maintenance-free load cell reading system
- Rope guiding pulley
- Built-in reel-winder with automatic rope-winder
- Chassis with single damped axle, adjustable towing bar, overrun braking system and lights fit for towing on roads (homologation-registration excluded)
- Four adjustable mechanical stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

092.8 Additional Lithium-Ion battery pack. Capacity = 200 Ah

092.9 Lithium-Ion battery pack. Capacity = 400 Ah. To be ordered with the puller

092.11 400 V/48 V three-phase battery charger. Separately supplied in alternative to the standard one. Complete with 5 m cable and plug

038.1 Radio remote control. Complete with display and 5 m long back-up cable

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

069.5 Printer 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.

HYDRAULIC PULLERS

UP30 MAX PULL 30 KN

Hydraulic puller 30 kN. Fit to pull one rope in laying underground transmission cables and fibre-optic cables.

MAX PULL
30 kN

MAX SPEED
60 m/min

MAX ROPE
10 mm

CAPSTANS
2 x Ø200 mm

FEATURES

CAPSTANS	2 x Ø 200 mm
MAX ROPE DIAMETER	10 mm
DIMENSIONS L x W x H	3450 x 1530 x 1474 mm
WEIGHT (WITHOUT ROPE)	1250 kg

PULL PERFORMANCES

MAX PULL	30 kN
SPEED AT MAX PULL	16 m/min
MAX SPEED	60 m/min
PULL AT MAX SPEED	5 kN

REEL

CAPACITY OF STEEL ROPE:	
Ø 8 mm	1000 m
Ø 10 mm	700 m

ENGINE

FEEDING	Diesel
POWER	18,8 kW / 18,8 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic cover
- Electronic instrument by-pass
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Rope guiding pulley
- Built-in reel-winder with automatic rope-winder
- Chassis with single damped axle, adjustable towing bar, overrun braking system and lights fit for towing on roads (homologation-registration excluded)
- Four adjustable mechanical stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

037.2 Compact remote control by cable. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

082 Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min

051.3 Motorised rubber crawler system. Complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

UP40 MAX PULL 40 KN

Hydraulic puller 40 kN. Fit to pull one rope in laying underground transmission cables and fibre-optic cables.

MAX PULL
40 kN

MAX SPEED
65 m/min

MAX ROPE
12 mm

CAPSTANS
2 x Ø 250 mm

FEATURES

CAPSTANS	2 x Ø 250 mm
MAX ROPE DIAMETER	12 mm
DIMENSIONS L x W x H	3880 x 1820 x 1640 mm
WEIGHT (WITHOUT ROPE)	1700 kg

PULL PERFORMANCES

MAX PULL	40 kN
SPEED AT MAX PULL	12 m/min / 12 m/min*
MAX SPEED	65 m/min
PULL AT MAX SPEED	5 kN

REEL

CAPACITY OF STEEL ROPE:	
Ø 8 mm	1300 m
Ø 10 mm	1000 m
Ø 12 mm	700 m

ENGINE

FEEDING	Diesel
POWER	18,8 kW / 18,8 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic cover
- Electronic instrument by-pass
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Rope guiding pulley
- Built-in reel-winder with automatic rope-winder
- Chassis with single damped axle, adjustable towing bar, overrun braking system and lights fit for towing on roads (homologation-registration excluded)
- Four adjustable mechanical stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

027.2 Fully openable cover in composite material

037.2 Compact remote control by cable. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

082 Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min

051.3 Motorised rubber crawler system. Complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

UP50 MAX PULL 50 KN

Hydraulic puller 50 kN. Fit to pull one rope in laying underground transmission cables and fibre-optic cables.

MAX PULL
50 kN

MAX SPEED
80 m/min

MAX ROPE
14 mm

CAPSTANS
2 x Ø 250 mm

FEATURES

CAPSTANS	2 x Ø 250 mm
MAX ROPE DIAMETER	14 mm
DIMENSIONS L x W x H	3880 x 1820 x 1640 mm
WEIGHT (WITHOUT ROPE)	1700 kg

PULL PERFORMANCES

MAX PULL	50 kN
SPEED AT MAX PULL	13 m/min / 20 m/min*
MAX SPEED	80 m/min
PULL AT MAX SPEED	8 kN

REEL

CAPACITY OF STEEL ROPE:	
Ø 14 mm	800 m
Ø 12 mm	1000 m
Ø 10 mm	1500 m

ENGINE

FEEDING	Diesel
POWER	26 kW / 36 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic cover
- Electronic instrument by-pass
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Rope guiding pulley
- Built-in reel-winder with automatic rope-winder
- Chassis with single damped axle, adjustable towing bar, overrun braking system and lights fit for towing on roads (homologation-registration excluded)
- Four adjustable mechanical stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

027.2 Fully openable cover in composite material
037.2 Compact remote control by cable. Cable length = 10 m
038.1 Radio remote control. Complete with display and 5 m long back-up cable
069.5 Printer with accessories
082 Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min
051.3 Motorised rubber crawler system. Complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations
107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

UP100.B MAX PULL 100 KN

Hydraulic puller 100 kN. Fit to pull one rope in laying underground transmission cables and fibre-optic cables.

MAX PULL
100 kN

MAX SPEED
50 m/min

MAX ROPE
16 mm

CAPSTANS
2 x Ø 325 mm

FEATURES

CAPSTANS	2 x Ø 325 mm
MAX ROPE DIAMETER	16 mm
DIMENSIONS L x W x H	4385 x 1760 x 1615 mm
WEIGHT (WITHOUT ROPE)	2300 kg

PULL PERFORMANCES

MAX PULL	100 kN
SPEED AT MAX PULL	10 m/min / 12,5 m/min *
MAX SPEED	50 m/min
PULL AT MAX SPEED	20 kN / 25 kN *

REEL

CAPACITY OF STEEL ROPE:	
Ø 16 mm	850 m
Ø 14 mm	1100 m
Ø 12 mm	1500 m

ENGINE

FEEDING	Diesel
POWER	31 kW / 42 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic cover
- Electronic instrument by-pass
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Rope guiding pulley
- Built-in reel-winder with automatic rope-winder
- Chassis with tandem damped axle, adjustable towing bar, overrun braking system and lights fit for towing on roads (homologation-registration excluded)
- Four adjustable mechanical stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

037.2 Compact remote control by cable. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

082 Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min

051.3 Motorised rubber crawler system. Complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

UP100 MAX PULL 100 KN

Hydraulic puller 100 kN. Fit to pull one rope in laying underground transmission cables and fibre-optic cables.

.

MAX PULL
100 kN

MAX SPEED
30 m/min

MAX ROPE
18 mm

CAPSTANS
2 x Ø 350 mm

FEATURES

CAPSTANS	2 x Ø 350 mm
MAX ROPE DIAMETER	18 mm
DIMENSIONS L x W x H	5140 x 1985 x 1975 mm
WEIGHT (WITHOUT ROPE)	3100 kg

PULL PERFORMANCES

MAX PULL	100 kN
SPEED AT MAX PULL	12 m/min / 16 m/min *
MAX SPEED	30 m/min
PULL AT MAX SPEED	40 kN / 50 kN *

REEL

CAPACITY OF STEEL ROPE:	
Ø 18 mm	600 m
Ø 16 mm	1000 m

ENGINE

FEEDING	Diesel
POWER	42 kW / 55 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic cover
- Electronic instrument by-pass
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Rope guiding pulley
- Built-in reel-winder with automatic rope-winder
- Chassis with tandem rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job site
- Four adjustable mechanical stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

005.1CE Chassis with tandem damped axle, towing bar adjustable in height, pneumatic braking system, ABS system and lights fit for towing the machine on road at max. speed 80 km/h. EC-Type approved set. Homologation - Registration Excluded

037.2 Compact remote control by cable. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

082 Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min

051.3 Motorised rubber crawler system. Complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

UP150 MAX PULL 150 KN

Hydraulic puller 150 kN. Fit to pull one rope in laying underground transmission cables and pipes refurbishing.

MAX PULL
150 kN

MAX SPEED
30 m/min

MAX ROPE
18 mm

CAPSTANS
2 x Ø 350 mm

FEATURES

CAPSTANS	2 x Ø 350 mm
MAX ROPE DIAMETER	18 mm
DIMENSIONS L x W x H	5140 x 1985 x 1975 mm
WEIGHT (WITHOUT ROPE)	3200 kg

PULL PERFORMANCES

MAX PULL	150 kN
SPEED AT MAX PULL	8 m/min / 8 m/min *
MAX SPEED	30 m/min
PULL AT MAX SPEED	40 kN / 50 kN *

REEL

CAPACITY OF STEEL ROPE:	
Ø 18 mm	600 m
Ø 16 mm	1000 m

ENGINE

FEEDING	Diesel
POWER	42 kW / 55 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic cover
- Electronic instrument by-pass
- Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Rope guiding pulley
- Built-in reel-winder with automatic rope-winder
- Chassis with tandem rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job site
- Four adjustable mechanical stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

005.1CE Chassis with tandem damped axle, towing bar adjustable in height, pneumatic braking system, ABS system and lights fit for towing the machine on road at max. speed 80 km/h. EC-Type approved set. Homologation - Registration Excluded

037.2 Compact remote control by cable. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

051.3 Motorised rubber crawler system. Complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

THE LINK I LIKE
OMAC ITALY SINCE 1954

UP200 MAX PULL 200 KN

Hydraulic puller 200 kN. Fit to pull one rope in laying underground transmission cables and pipes refurbishing.

MAX PULL
200 kN

MAX SPEED
21 m/min

MAX ROPE
22 mm

CAPSTANS
2 x Ø 380 mm

FEATURES

CAPSTANS	2 x Ø 380 mm
MAX ROPE DIAMETER	22 mm
DIMENSIONS L x W x H	4890 x 2170 x 1990 mm
WEIGHT (WITHOUT ROPE)	4300 kg

PULL PERFORMANCES

MAX PULL	200 kN
SPEED AT MAX PULL	8 m/min / 8 m/min *
MAX SPEED	21 m/min / 30 m/min *
PULL AT MAX SPEED	55 kN

REEL

CAPACITY OF STEEL ROPE:	
Ø 18 mm	1500 m
Ø 22 mm	1000 m

ENGINE

FEEDING	Diesel
POWER	55 kW / 55 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic cover
- Electronic instrument by-pass
- Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Rope guiding pulley
- Built-in reel-winder with automatic rope-winder
- Chassis with tandem rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job site
- Four adjustable mechanical stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

005.1CE Chassis with tandem damped axle, towing bar adjustable in height, pneumatic braking system, ABS system and lights fit for towing the machine on road at max. speed 80 km/h. EC-Type approved set. Homologation - Registration Excluded

037.2 Compact remote control by cable. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

051.3 Motorised rubber crawler system. Complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

UP400 MAX PULL 400 KN

Hydraulic puller 400 kN. Fit to pull one rope in laying underground transmission cables and pipes refurbishing.

MAX PULL
400 kN

MAX SPEED
20 m/min

MAX ROPE
38 mm

CAPSTANS
2 x Ø 525 mm

FEATURES

CAPSTANS	2 x Ø 525 mm
MAX ROPE DIAMETER	38 mm
DIMENSIONS L x W x H	6545 x 2500 x 2965 mm
WEIGHT (WITHOUT ROPE)	11250 kg

PULL PERFORMANCES

MAX PULL	400 kN
SPEED AT MAX PULL	7 m/min / 8,2 m/min *
MAX SPEED	20 m/min
PULL AT MAX SPEED	150 kN / 160 kN *

REEL

CAPACITY OF STEEL ROPE:	
Ø 32 mm	1000 m
Ø 38 mm	700 m

ENGINE

FEEDING	Diesel
POWER	97 kW / 105 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic cover
- Electronic instrument by-pass
- Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Rope guiding pulley
- Built-in reel-winder with automatic rope-winder
- Chassis with tandem rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job site
- Four adjustable hydraulic stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

037 Remote control by cable. Complete with electric joystick to control the pulling direction and potentiometer for speed adjustment. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

051.3 Motorised rubber crawler system. Complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

UP600 MAX PULL 600 KN

Hydraulic puller 600 kN. Fit to pull one rope in laying underground transmission cables and pipes refurbishing.

MAX PULL
600 kN

MAX SPEED
13,5 m/min

MAX ROPE
38 mm

CAPSTANS
2 x Ø 600 mm

FEATURES

CAPSTANS	2 x Ø 600 mm
MAX ROPE DIAMETER	38 mm
DIMENSIONS L x W x H	6545 x 2500 x 2965 mm
WEIGHT (WITHOUT ROPE)	11250 kg

PULL PERFORMANCES

MAX PULL	600 kN
SPEED AT MAX PULL	4,5 m/min / 5,5 m/min *
MAX SPEED	13,5 m/min
PULL AT MAX SPEED	150 kN / 160 kN *

REEL

CAPACITY OF STEEL ROPE:	
Ø 32 mm	1000 m
Ø 38 mm	700 m

ENGINE

FEEDING	Diesel
POWER	97 kW / 105 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic cover
- Electronic instrument by-pass
- Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min.
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Rope guiding pulley
- Built-in reel-winder with automatic rope-winder
- Chassis with tandem rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job site
- Four adjustable hydraulic stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

037 Remote control by cable. Complete with electric joystick to control the pulling direction and potentiometer for speed adjustment. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

051.3 Motorised rubber crawler system. Complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

THE LINK I LIKE
OMAC ITALY SINCE 1954

ULTRA DISTANCE HYDRAULIC PULLERS

P20.U MAX PULL 20 KN

Hydraulic puller 20 kN. Fit to pull one rope in laying underground transmission cables and fibre-optic cables.

MAX PULL
20 kN

MAX SPEED
65 m/min

MAX ROPE
12 mm

CAPSTANS
2 x Ø 200 mm

FEATURES

CAPSTANS	2 x Ø 200 mm
MAX NYLON ROPE DIA.	12 mm
MAX STEEL ROPE DIA.	8 mm
DIMENSIONS L x W x H	2810 x 1370 x 1175 mm
WEIGHT (WITHOUT ROPE)	700 kg

PULL PERFORMANCES

MAX PULL	20 kN
SPEED AT MAX PULL	21 m/min
MAX SPEED	65 m/min
PULL AT MAX SPEED	7 kN

REEL

TYPE	extractable self-loading
CAPACITY:	
NYLON ROPE Ø 12 mm	700 m
STEEL ROPE Ø 8 mm	500 m

ENGINE

FEEDING	gasoline
POWER	15 kW
COOLING	air
STARTING	electric with battery 12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with dynamometer, preselector of max pull force and metercounter
- Metallic protection cover on the engine and hydraulic parts
- Safety negative hydraulic brake
- Oil cooling system
- Front guide rope pulley fit for pulling underground cables
- External reel-winder with automatic rope-winder and extractable reel
- Single rigid axle and adjustable towing bar fit for towing at low speed on the job-site
- Mechanical stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

003 Single damped axle, adjustable towing bar with parking brake and lights fit for towing on road up to 80 km/h Homologation - Registration Excluded

028.3 Air cooled diesel engine with electric starting

165 Hydraulic lifting-lowering of the reel-winder arm Cylinder + Control lever

037.2 Compact remote control by cable. Cable length = 10 m

069.2 Electronic device with USB port, to save the data of the pull

069.5 Printer with accessories

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

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.

P30.U MAX PULL 30 KN

Hydraulic puller 30 kN. Fit to pull one rope in laying underground transmission cables and fibre-optic cables.

MAX PULL
30 kN

MAX SPEED
70 m/min

MAX ROPE
13 mm

CAPSTANS
2 x Ø 250 m

FEATURES

CAPSTANS	2 x Ø 250 m
CAPSTANS GROOVES	7
MAX ROPE DIAMETER	13 mm
MAX JOINT DIAMETER	40 mm
DIMENSIONS L x W x H	3340 x 1610 x 1600 mm
WEIGHT (WITHOUT ROPE)	1350 kg

PULL PERFORMANCES

MAX PULL	30 kN
SPEED AT MAX PULL	20 m/min / 11 m/min *
MAX SPEED	70 m/min
PULL AT MAX SPEED	10 kN / 8 kN *

ENGINE

FEEDING	diesel
POWER	26 kW / 18,8 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic protection cover on the engine and hydraulic parts
- Electronic instrument by-pass
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Front guide rope pulley fit for pulling underground cables
- Reel-winder arms with automatic rope-winder and hydraulic lifting system fit for reel upto max. Ø 1400 mm
- Single rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job-site
- Four adjustable mechanical stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

007	Chassis with damped axle, overrun brake and drawbar for towing on road (homologation excluded)
029	Water cooled diesel engine. Power = 27 - 36 kW - final emission EU stage V for increased performances
037.2	Compact remote control by cable. Cable length = 10 m
038.1	Radio remote control. Complete with display and 5 m long back-up cable
069.5	Printer with accessories
082	Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min
047	N° 2 hydraulic stabilisers on the pulling-side
048	N° 2 hydraulic stabilisers on the reel-winder side
051.3	Motorised rubber crawler system, complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations
107	OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

P50.U MAX PULL 50 KN

Hydraulic puller 50 kN. Fit to pull one rope in laying underground transmission cables and fibre-optic cables.

MAX PULL
50 kN

MAX SPEED
60 m/min

MAX ROPE
16 m/min

CAPSTANS
2 x Ø 325 mm

FEATURES

CAPSTANS	2 x Ø 325 mm
CAPSTANS GROOVES	7
MAX ROPE DIAMETER	16 mm
MAX JOINT DIAMETER	45 mm
DIMENSIONS L x W x H	3590 x 1640 x 1830 mm
WEIGHT (WITHOUT ROPE)	1500 Kg

PULL PERFORMANCES

MAX PULL	50 kN
SPEED AT MAX PULL	14 m/min / 19 m/min *
MAX SPEED	60 m/min
PULL AT MAX SPEED	12 kN / 15 kN *

ENGINE

FEEDING	diesel
POWER	29 kW / 36 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic protection cover on the engine and hydraulic parts
- Electronic instrument by-pass
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Front guide rope pulley fit for pulling underground cables
- Reel-winder arms with automatic rope-winder and hydraulic lifting system fit for reel upto max. Ø 1400 mm
- Single rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job-site
- N° 2 mechanical stabilisers on the pulling side
- N° 2 hydraulic stabilisers on the reel-winder side
- Anchoring and lifting points

OPTIONAL DEVICES

007 Chassis with damped axle, overrun brake and drawbar for towing on road (homologation excluded)

037.2 Compact remote control by cable. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

082 Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min

047 N° 2 hydraulic stabilisers on the pulling-side

051.3 Motorised rubber crawler system, complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

THE LINK I LIKE
OMAC ITALY SINCE 1954

P100.U MAX PULL 100 KN

Hydraulic puller 100 kN. Fit to pull one rope in laying underground transmission cables and fibre-optic cables.

MAX PULL
100 kN

MAX SPEED
65 m/min

MAX ROPE
20 mm

CAPSTANS
2 x Ø 400 mm

FEATURES

CAPSTANS	2 x Ø 400 mm
CAPSTANS GROOVES	8
MAX ROPE DIAMETER	20 mm
MAX JOINT DIAMETER	50 mm
DIMENSIONS L x W x H	4345 x 2165 x 2000 mm
WEIGHT (WITHOUT ROPE)	2750 Kg

PULL PERFORMANCES

MAX PULL	100 kN
SPEED AT MAX PULL	15 m/min / 15 m/min *
MAX SPEED	65 m/min
PULL AT MAX SPEED	23 kN / 23 kN *

ENGINE

FEEDING	diesel
POWER	51 kW / 51 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic protection cover on the engine and hydraulic parts.
- Electronic instrument by-pass
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Front guide rope pulley fit for pulling underground cables
- Reel-winder arms with automatic rope-winder and hydraulic lifting system fit for reel upto max. Ø 1600 mm
- Single rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job-site
- N° 2 mechanical stabilisers on the pulling side
- N° 2 hydraulic stabilisers on the reel-winder side
- Anchoring and lifting points

OPTIONAL DEVICES

007 Chassis with damped axle, overrun brake and drawbar for towing on road (homologation excluded)

037 Remote control by cable. Complete with electric joystick to control the pulling direction and potentiometer for speed adjustment. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

082 Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min

047 N° 2 hydraulic stabilisers on the pulling-side

051.3 Motorised rubber crawler system, complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

084 Bigger reel-winder arm fit for Ø 1900 mm steel reel
Load capacity = 2000 kg

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

P150.U MAX PULL 150 KN

Hydraulic puller 150 kN. Fit to pull one rope in laying underground transmission cables and pipes refurbishing.

MAX PULL
150 kN

MAX SPEED
55 m/min

MAX ROPE
24 mm

CAPSTANS
2 x Ø 525 mm

FEATURES

CAPSTANS	2 x Ø 525 mm
CAPSTANS GROOVES	9
MAX ROPE DIAMETER	24 mm
MAX JOINT DIAMETER	60 mm
DIMENSIONS L x W x H	4650 x 2200 x 2400 mm
WEIGHT (WITHOUT ROPE)	4700 kg

PULL PERFORMANCES

MAX PULL	150 kN
SPEED AT MAX PULL	15 m/min
MAX SPEED	55 m/min
PULL AT MAX SPEED	50 kN

ENGINE

FEEDING	diesel
POWER	75 kW / 75 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic protection cover on the engine and hydraulic parts
- Electronic instrument by-pass
- Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Front guide rope pulley fit for pulling underground cables
- Reel-winder arms with automatic rope-winder and hydraulic lifting system fit for reel upto max. Ø 1600 mm
- Single rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job-site
- N° 2 mechanical stabilisers on the pulling side
- N° 2 hydraulic stabilisers on the reel-winder side
- Anchoring and lifting points

OPTIONAL DEVICES

084 Bigger reel-winder arm fit for Ø 1900 mm steel reel. Load capacity = 2000 kg

037 Remote control by cable. Complete with electric joystick to control the pulling direction and potentiometer for speed adjustment. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

051.3 Motorised rubber crawler system, complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

P200.U MAX PULL 200 KN

Hydraulic puller 200 kN. Fit to pull one rope in laying underground transmission cables and pipes refurbishing.

MAX PULL
200 kN

MAX SPEED
40 m/min

MAX ROPE
24 mm

CAPSTANS
2 x Ø 600 mm

FEATURES

CAPSTANS	2 x Ø 600 mm
CAPSTANS GROOVES	10
MAX ROPE DIAMETER	24 mm
MAX JOINT DIAMETER	70 mm
DIMENSIONS L x W x H	5700 x 2240 x 2220 mm
WEIGHT (WITHOUT ROPE)	6800 kg

PULL PERFORMANCES

MAX PULL	200 kN
SPEED AT MAX PULL	13 m/min / 15 m/min *
MAX SPEED	40 m/min
PULL AT MAX SPEED	69 kN / 75 kN *

ENGINE

FEEDING	diesel
POWER	97 kW / 105 kW *
COOLING	water
STARTING	12 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic protection cover on the engine and hydraulic parts
- Electronic instrument by-pass
- Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Front guide rope pulley fit for pulling underground cables
- Reel-winder arms with automatic rope-winder and hydraulic lifting system fit for reel upto max. Ø 1600 mm
- Single rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job-site
- N° 4 hydraulic stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

084 Bigger reel-winder arm fit for Ø 1900 mm steel reel
Load capacity = 2000 kg

037 Remote control by cable. Complete with electric joystick to control the pulling direction and potentiometer for speed adjustment. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

051.3 Motorised rubber crawler system, complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

P400.U MAX PULL 400 KN

Hydraulic puller 400 kN. Fit to pull one rope in laying underground transmission cables and pipes refurbishing.

MAX PULL
400 kN

MAX SPEED
40 m/min

MAX ROPE
32 mm

CAPSTANS
2 x Ø 600 mm

FEATURES

CAPSTANS	2 x Ø 600 mm
CAPSTANS GROOVES	11
MAX ROPE DIAMETER	32 mm
MAX JOINT DIAMETER	65 mm
DIMENSIONS L x W x H	6025 x 2430 x 2275 mm
WEIGHT (WITHOUT ROPE)	7700 kg

PULL PERFORMANCES

MAX PULL	400 kN
SPEED AT MAX PULL	10 m/min / 10 m/min *
MAX SPEED	40 m/min
PULL AT MAX SPEED	90 kN / 90 kN *

ENGINE

FEEDING	diesel
POWER	130 kW / 130 kW *
COOLING	water
STARTING	24 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic protection cover on the engine and hydraulic parts
- Electronic instrument by-pass
- Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Front guide rope pulley fit for pulling underground cables
- Reel-winder arms with automatic rope-winder and hydraulic lifting system fit for reel upto max. Ø 2200 mm
- Single rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job-site
- N° 4 hydraulic stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

037 Remote control by cable. Complete with electric joystick to control the pulling direction and potentiometer for speed adjustment. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

051.3 Motorised rubber crawler system, complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

THE LINK I LIKE
OMAC ITALY SINCE 1954

P600.U MAX PULL 600 KN

Hydraulic puller 600 kN. Fit to pull one rope in laying underground transmission cables and pipes refurbishing.

MAX PULL
600 kN

MAX SPEED
40 m/min

MAX ROPE
36 mm

CAPSTANS
2 x Ø 600 mm

FEATURES

CAPSTANS	2 x Ø 600 mm
CAPSTANS GROOVES	11
MAX ROPE DIAMETER	36 mm
MAX JOINT DIAMETER	70 mm
DIMENSIONS L x W x H	7480 x 2450 x 2645 mm
WEIGHT (WITHOUT ROPE)	11500 kg

PULL PERFORMANCES

MAX PULL	600 kN
SPEED AT MAX PULL	6 m/min / 6 m/min *
MAX SPEED	40 m/min / 40 m/min *
PULL AT MAX SPEED	120 kN / 120 kN*

ENGINE

FEEDING	diesel
POWER	145 kW / 145 kW *
COOLING	water
STARTING	24 V

CONFIGURATION

- Multi-grooved steel capstans
- Control panel equipped with built-in electronic instrument DEG 4.0 - 7" large graphic colour display and a USB port
- Metallic protection cover on the engine and hydraulic parts
- Electronic instrument by-pass
- Device for pipe refurbishing. Fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min
- Maintenance-free load cell reading system
- Safety negative hydraulic brake
- Oil cooling system
- Front guide rope pulley fit for pulling underground cables
- Reel-winder arms with automatic rope-winder and hydraulic lifting system fit for reel upto max. Ø 2200 mm
- Single rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job-site
- N° 4 hydraulic stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

037 Remote control by cable. Complete with electric joystick to control the pulling direction and potentiometer for speed adjustment. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

069.5 Printer with accessories

051.3 Motorised rubber crawler system, complete with front hydraulic plough and radio-remote control for the crawler system and the machine pulling operations

107 OLS - OMAC Link System. GPS geolocation + remote monitoring and diagnostics

*** 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.

RECOVERING HYDRAULIC PULLER

UPR100 MAX PULL 100 KN

Hydraulic puller 100 kN. Fit to remove old or redundant armored telephone cables up to Ø 80 mm diameter.

MAX PULL
100 kN

MAX SPEED
19 m/ min

MAX CABLE
Ø 80 mm

CAPSTANS
1 x Ø 650 - 350 mm

FEATURES

CAPSTANS	1 x Ø 650 - 350 mm
MAX CABLE DIAMETER	80 mm
DIMENSIONS L x W x H	4000 x 2200 x 1800 mm
WEIGHT (WITHOUT ROPE)	2700 kg

PULL PERFORMANCES

MAX PULL	100 kN
SPEED AT MAX PULL	12 m/min / 17 m/min*
MAX SPEED	19 m/min
PULL AT MAX SPEED	60 kN / 90 kN*

ENGINE

FEEDING	diesel
POWER	42 kW / 55 kW*
COOLING	Water
STARTING	12 V

CONFIGURATION

- Large groove steel capstan with anti-slipping devices
- Control panel equipped with dynamometer, preselector of max pull force and meter-counter
- Metallic cover
- Safety negative hydraulic brake
- Oil cooling system
- N° 2 hydraulic back-tension rollers
- Tandem rigid axle, adjustable towing bar and manual parking brake fit for towing at low speed on the job-site
- N° 4 mechanical stabilisers
- Anchoring and lifting points

OPTIONAL DEVICES

005.2 Chassis with tandem damped axle, overrun brake and drawbar for towing on road (homologation excluded)

011.4 Auxiliary hydraulic circuit.. Complete with N° 3 outputs for feeding a hydraulic cutter, a water pump and a hydraulic cylinder for the boom. Flow rate = 25 l/min - Working Pressure = 200 bar

037 Remote control by cable. Complete with electric joystick to control the pulling direction and potentiometer for speed adjustment. Cable length = 10 m

038.1 Radio remote control. Complete with display and 5 m long back-up cable

067 Telescopic boom to recover the cable. Complete with upper and lower roller quadrant

068.3 Support complete with chain-hoist. Fit for lifting and lowering the telescopic boom (Opt. 067)

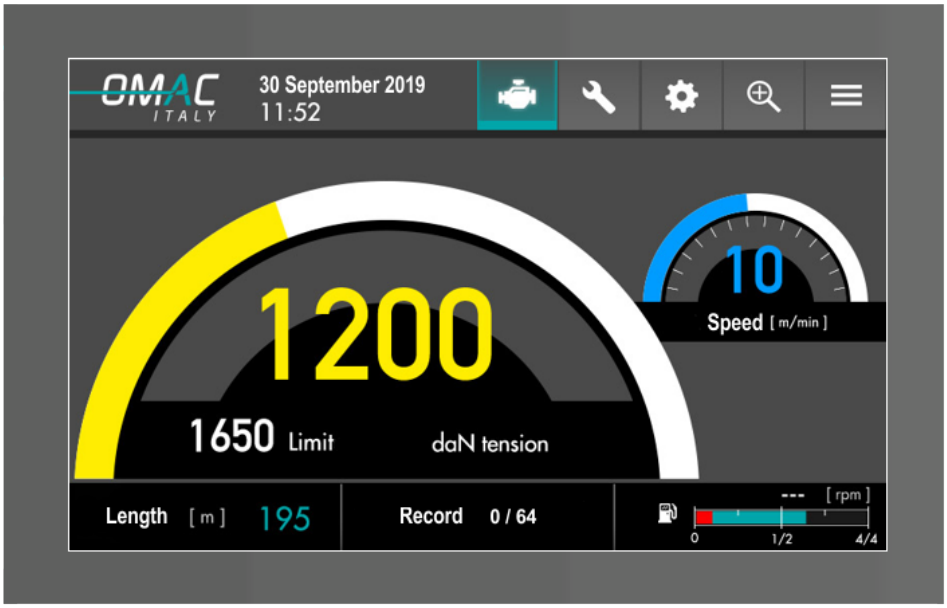
069.2 Electronic instrument DEG 4.0. Featuring a large graphic color display and a USB port to record the working parameters

069.5 Printer 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.

STANDARD DEVICES



DIGITAL RECORDER BUILT-IN ALL THE MACHINES AS A STANDARD

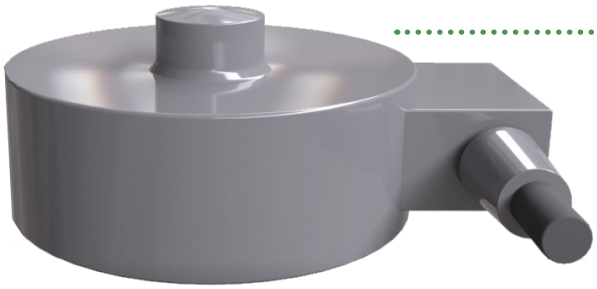
FEATURES

- Large-sized (7") color graphic display, built in the main control panel
- Resistive type glove-friendly touch-screen, intuitive as well as easy in setting-up and browsing through
- High capacity memory: over 200 km of line
- High accuracy and reliability by means of the load cell and encoder system
- USB port for data downloading/uploading
- Software provided to handle data stored

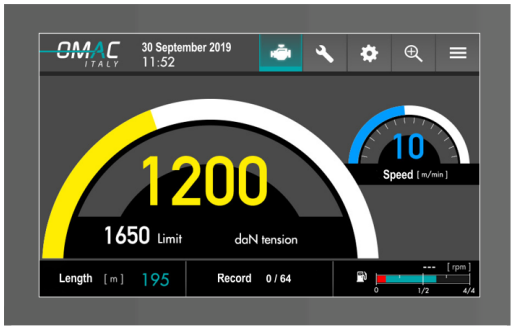
FUNCTIONS

- Real-time reading and recording pulling force, max pull alarm, speed and length of cable/conductor
- ZOOM mode
- Max pull force setting
- Display of working parameters (force, speed, distance covered and time elapsed)
- Help page on board
- Fuel level
- Electronic engine parameters
- Maintenance schedules and alerts
- Self-diagnostics upon machine start

FORCE



Electronic Load Cell



Omac Digital built-in data read out

Durability and Reliability

Maintenance free

No influence on the values by the speed and temperatures

Direct read of the pulling/tensioning force during the operations

Non-stop monitoring

High precision

Conductor high safeguard

Operator high safety

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.

ADDITIONAL DEVICES

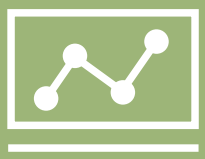
THE LATEST AND MOST POWERFUL EVOLUTION FOR REMOTE MASTERING,
MONITORING AND LOCATING YOUR FLEET OF MACHINES
OMAC MACHINES HAVE ALWAYS BEEN EQUIPPED WITH **BUILT-IN DIGITAL READ OUT** AND **RECORDER**

MIRRORING

- BUILT-IN ROUTER GENERATES A LOCAL WI-FI NETWORK (NO DATA CONNECTION REQUIRED)
- DISPLAY MIRRORING ON SMARTPHONES
- DOWNLOAD RECORDINGS AND MACHINE SETTINGS ON SMARTPHONES
- UNLIMITED LOCAL WI-FI CONNECTIONS

REMOTE MONITORING & DIAGNOSTICS

- RUN-TIME MACHINE REMOTE WORKING PARAMETERS READING
- RUN-TIME MACHINE REMOTE DIAGNOSTICS READING
- CAN PORT FOR REMOTE MONITORING OF ELECTRONIC DIESEL ENGINE PARAMETERS



REMOTE PARAMETERS SETTING

- MACHINE REMOTE PARAMETERS SETTING
- NEW FIRMWARE RELEASE UPDATE
- MACHINE REMOTE SETUP

REMOTE MAINTENANCE & TROUBLESHOOTING

- REMOTE ACCESS TO MACHINE MAINTENANCE SCHEDULES
- MAINTENANCE ALERTS
- REMOTE ENABLING OR DISABLING OF SPECIFIC FUNCTIONS
- OLS WILL BE SUPPLIED ON ALL NEW 4.0 OMAC MACHINES AS WELL AS ON THE EXISTINGMACHINES (ON REQUEST)

GPS GEOLOCATION

- BUILT-IN GPS ALLOWS REMOTE ACCESS TO REAL-TIME FLEET POSITION
- CUT INSURANCE COSTS
- LESS THEFT RISK

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.

CABLE REMOTE CONTROL

037.2

Compact remote control by cable. Fit for "puller" machines.
Pull/release buttons and emergency stop button. 10-m connection cable.

037

Remote control by cable. Fit for "puller" machines.
The control is complete with:

- Minijoystick for controlling the rotation of the capstans
- Speed adjustment control
- Emergency stop button
- 10-m the connection cable

OPTIONAL DEVICES

01 Display to read the pulling force, metercounter and speedometer
02 Engine start/stop
03 Engine accelerator
04 Tension force adjustment control (only with machine opt.082)

RADIO REMOTE CONTROL

038.1

Radio remote control fit for "puller" machines. Max operational distance: up to 100 m.
The radio-control is complete with:

- Two buttons for controlling the capstans rotation
- Speed-adjustment control
- Emergency stop button
- Back-up cable for connect radio control to the machine in case of radio-failure
- Display to read the pulling force, metercounter and speedometer

(Not compatible with machine opt. 082).

038

Radio remote control fit for "puller" machines. Max operational distance: up to 100 m.
The radio-control is complete with:

- Mini joystick for controlling the capstans rotation
- Speed-adjustment control
- Emergency stop button
- Back-up cable to connect the radio remote control to the machine in case of radio-failure

OPTIONAL DEVICES

01 Display to read the pulling force, metercounter and speedometer
02 Engine start/stop
03 Engine accelerator
04 Tension force adjustment control (only with machine opt.082)

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.

051.3

Motorised rubber crawler system for puller.

PERFORMANCES

MOVING SPEED	Adjustable
MAX SPEED	1,5 km/ h
MAX INCLINATION	75 %
MINIMUM TURNING RADIUS	4,5 m
GROUND LOADING	0,26 kg/cm^3

	DIMENSIONS LxWxH	TOTAL WEIGHT
P30.U	2550 x 1650 x 1450 mm	1920 kg
P50.U	2600 x 1300 x 1600 mm	2025 kg
UP100	3200 x 1700 x 1900 mm	4130 kg
P100.U	4200 x 2100 x 1950 mm	5330 kg
P150.U	4650 x 2200 x 2400 mm	8360 kg

FEATURES

- The crawler system allows to travel over steeply sloping ground, to turn in tight space
- The power transmission is granted by the hydraulic circuit of the puller
- Self-acting negative parking brakes
- Reversible movement
- Radio-control
- Hydraulic controlled share on the pull side, for anchoring the machine
- Back stabilizers
- Front and back hooks for towing the machine

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.

F276 - F277 - F278

Telescopic rods for laying underground cables. Mounted on pullers properly arranged, they permit to pull the wire rope inside the manholes. Made with galvanised/painted steel, the rods are easily demountable to facilitate the transport. Telescopic rod for pulling the wire rope inside the pits. Guide system with 360° swivelling pulley.

F276

Telescopic rod for pulling the wire rope inside the pits. Guide system with 360° swivelling pulley.

F277

Telescopic rod for pulling the wire rope inside the pits. Guide system with 360° swivelling pulley. Equipped with demountable centerings fit for pipes diameter 80, 100, 120 and 150 mm.

F278

Telescopic rod for guiding the wire rope inside the pits. Guide system with 360° swivelling pulley. Equipped with rollers device for obtaining a reserve of cable, and demountable centerings fit for pipes diameter 80, 100, 120 and 150 mm.

OPTIONAL DEVICES

201 Supplementary reaction upper arm
202 Reaction arm (90° respect to the pull line)
204 Interchangeable, demountable and openable centerings for pipes diam. 80, 100, 120 and 150 mm (standard for mod. F277 and F278)
205 Telescopic strut with pulley to space the puller from the manhole
206 Hydraulic control of the rod extension (only for mod. F276 and F277)

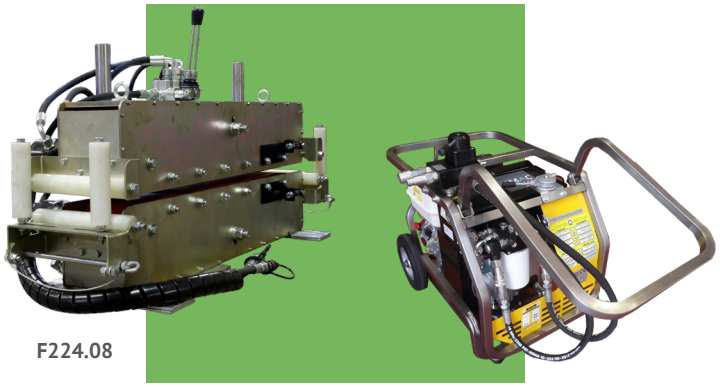
	MAX PULL FORCE	PIT DEPTH (A min/max)	DISTANCE FROM THE PIPE (B min/max)	ROD WIDTH (C)	ROD WEIGHT	RESERVE OF CABLE
	daN	mm	mm	mm	kg	m
F276.60	6000 / 10000	500 / 2000	1000 / 1500	120	150	-
F276.100	10000 / 15000	500 / 2000	1400 / 1800	150	200	-
F276.200	20000	1000 / 2000	1500 / 2000	200	350	-
F277.20	2000	0 / 1500	400 / 700	60	55	-
F277.40	3000 / 4000	0 / 1500	400 / 700	80	50	-
F278.20	2000	0 / 1500	1000 / 1400	60	55	2,5
F278.40	3000 / 4000	100 / 2000	1000 / 1500	80	100	3,0

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.

HYDRAULIC CABLE PUSHER

F224 PULLING FORCE 0-8 KN

Cable-pusher machine powered by hydraulic unit. Fit for laying underground cables in long conducts and in harsh conditions.
When working in combination with a puller, it reduces the stress on the cable. Longer distances can be covered by using more than one cable-pusher machines. This compact machine can be placed in small rooms and can be remote-controlled (up to 15 m) thanks to the separated power unit connected by hoses.



F224.08

F306

CABLE-PUSHER UNIT F224.08

PUSHING FORCE	0-8 kN
PUSHING SPEED	0-20 m/min
CABLE DIAMETER (MIN-MAX)	40-150 mm
TRACK LENGTH	800 mm
HOSES LENGTH	5 m
DIMENSIONS LxWxH	1,30x0,35x0,80 m
WEIGHT	200 kg

POWER UNIT

	F306.06.ET	F306.13.B	F306.10.D
FEEDING	electric three phase 380 V	gasoline	diesel
POWER	4 kW	9,5 kW	7,5 kW
COOLING	air	air	air
DIMENSIONS LxWxH	0,7x0,5x0,57 m	0,7x0,5x0,57 m	0,85x0,6x0,65 m
WEIGHT	65 kg	67 kg	95 kg

CABLE-PUSHER UNIT

- Cable-pusher unit made of electro-welded steel frame with fittings for anchoring and lifting
- One pair of tracks with upper tracks operated by hydraulic cylinders
- Reversible hydraulic motor for operating the tracks. The motor is fitted with quick couplings to connect the power unit through flexible hoses

POWER UNIT

- Power unit, with opened type hydraulic circuit, that permits to adjust, by a control valve, the pushing force (0 to max), and the pushing speed. Complete with wheels and handles
- Flexible hoses 5-m long to connect the cable-pusher unit to the power unit

OPTIONAL DEVICES

418 Cable-pusher unit complete with wheels for easy moving
078.1 Flexible hoses 10-m long
POT-1 Thrust force / traction increased up to 12 kN, speed 0 – 17 m/min

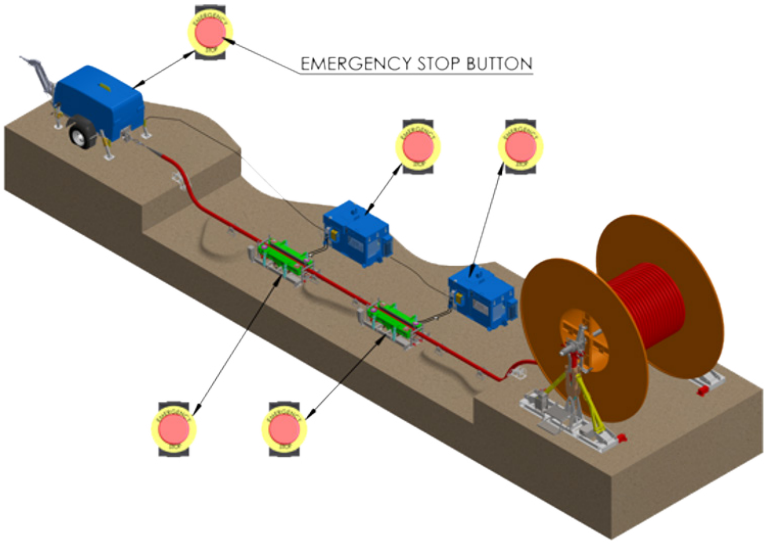
Performances of the machine without optional devices, at sea level and temperature 20°C.
Dimensions and weights are without optional devices. All data may change without notice. Images and drawings are indicative only.

F224

The F224 cable pusher is fed by a separate hydraulic power pack F306.
The hydraulic power packs F306 can be electrically connected and synchronized each other and with the puller machine by means of a synchronization system.

The puller machine is the "Master" in the synchronization system.
Once the cable pushers are ready and connected, the puller machine starts and stops the cable pushers and the cable pushers speed is adjusted in function of the puller machine speed.

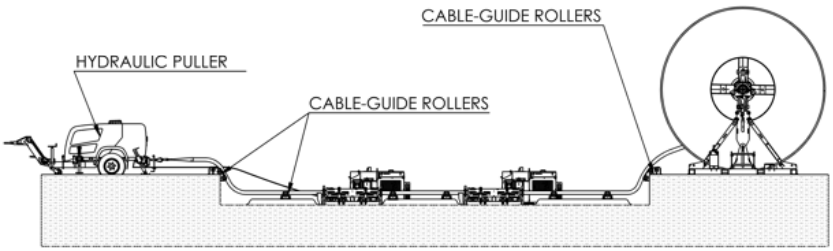
The synchronization system is equipped with emergency buttons, one on each hydraulic power pack, in order to stop the complete system (puller machine + cable pushers) in case of emergency.



The synchronization system is composed by:

- N°01 Synchronization kit mounted on the puller machine (Master) – Opt. PSI
- The puller machine must be equipped with "Mooring" device for pipe refurbishing fit for setting the max. pull force which allows to maintain the force set even at speed 0 m/min – Opt. 082
- N°01 synchronization block valve between each cable pushers F224 and its hydraulic power pack F306 – Opt. PPS
- N°01 electric connection cable between the puller machine and the 1st hydraulic powerpack and between all the hydraulic power packs (Cable lengths to be confirmed by the Customer) – Opt. CAV-2
- N°01 Emergency button on each hydraulic power pack

A hydraulic manometer can be mounted on each cable pusher to read the pressure of the pushing system on the cable.



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.

NOTES

OMAC ITALY s.r.l.
via Pizzo Camino, 9 - 24060 Chiuduno (BG) - Italy
T +39 035 838092 - F +39 035 839323 - omac@omac-italy.it

www.omac-italy.com