



Quality Tools, Equipment & Line Materials for the Energy Industry.



TESMEC - PE1150 & PE1250 All-Electric Pullers

Cleaner | Quieter | Greener

The perfect machine for urban underground pulling



ZERO Emissions



No Hydraulic Oil



Silent Running



we should have painted them green

PE1150



MAX PULL
30 kN



MAX SPEED
70 m/min



MAX ROPE DIAMETER
11 mm

PE1250



MAX PULL
50 kN



MAX SPEED
70 m/min



MAX ROPE DIAMETER
15 mm

The new TESMEC PE1150 and PE1250 all-electric pullers are industry exclusive. With an electric motor, they eliminate the need for hydraulic components such as hydraulic motors, pump and valves, and requires no oil.

These machines represent the best choice for underground cable laying and pipe refurbishment and are the perfect choice especially in urban areas and tunnels, where the regulations on emissions and safety are strict.

PE1150 (max pull 30 kN) and PE1250 (max pull 50kN) green solutions have no heat engines on board, battery storage (LiFePO4) and plug-in charging system.

These new machines give birth to a new generation of environment-friendly solutions, making a statement about Tesmec's sustainability, research and technological capabilities.



Tesmec All-Electric Pullers



PE1150



MAX PULL

30 kN



MAX SPEED

70 m/min



MAX ROPE DIAMETER

11 mm

PE1250



MAX PULL

50 kN



MAX SPEED

70 m/min



MAX ROPE DIAMETER

15 mm



NEW DIGITAL HMI

The 7-inch color display indicates machine working parameters, maintenance records and has integrated pull and speed recorder.



REMOTE CONTROL

The radio remote control provides total user machine control while integrating with the new digital user interface.

STANDARD EQUIPMENT

Radio remote control for machine operations. Complete with:

- New Digital HMI
- Setting pull value
- Setting reel winder value
- Control of direction and speed of bull-wheels
- Display to check stringing parameters
- Stop Operation push button
- Negative self-acting electrical brake

- Lockable sound proof integrated covers
- Automatic reel winder with automatic level wind
- Grounding connection point
- Mechanical front and rear stabilizers
- Free-wheel device
- Electronic pull value limitation control
- Integrated warm-up system

OPTIONAL EQUIPMENT

Part No.	Description
ALL110	Deflection boom
ALL261	External printer
ALL280	Automatic grease pump

PERFORMANCE	PE1150	PE1250
Max pull	30 kN	50 kN
Speed at max pull	15m/min	10m/min
Max speed	70m/min	70m/min
Pull at max speed	5 kN	5 kN
Free wheel max speed	70m/min	70m/min

Note: the basic machine performance is calculated at 20°C at sea level.

REEL WINDER	PE1150	PE1250
Max rope diameter	9/11 mm	13 mm
Max rope length	1200/900 m	950 m
Automatic level wind		

CHARACTERISTICS	PE1150	PE1250
Bull-wheel diameter	250 mm	300 mm
Max rope diameter	11 mm	13 mm
Weight (without rope)	2,350 kg	2,500 kg
Number of grooves	8	8
Suitable for	1 rope	1 rope
Layout	Single	Single

ELECTRICAL POWER PACK	PE1150	PE1250
Battery Pack	96 V	350 V
Charge Time	5Hours @230V	5Hours @230V

BATTERY STORAGE CAPACITY	PE1150	PE1250
Rope length recovered		
Working Cycle (Average)	5000m	7,000 m
Working Cycle (Max Pulling Force)	1,300 m	1,400 m

