

PES500

ELECTRIC PULLER-TENSIONER
OVERHEAD/UNDERGROUND

Superior Design & Pulling Performance

The NEW Condux Tesmec PES500 all-electric puller-tensioner is the industry exclusive.

With an electric motor, the PES500 eliminates the need for hydraulic components such as hydraulic motors, pump and valves. The unit's silent operation makes it ideal for almost any location, while the electric power system generates zero emissions. The PES500 delivers a maximum pull force of 5,000 lbf and offers an advanced user interface and remote control.



ISO 9001:2015
CERTIFIED

www.conduxtesmec.com

PES500 ELECTRIC PULLER-TENSIONER



ELECTRIC VEHICLE CHARGING PORT

The PES500 can be easily charged utilizing the same EV charging stations used by other electric vehicles.



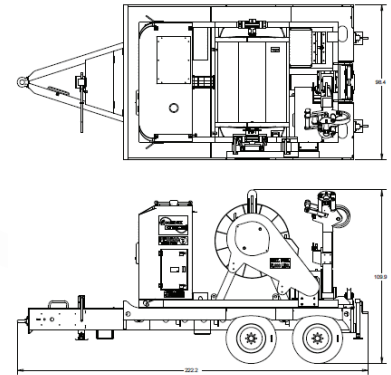
NEW DIGITAL HMI

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.



GENERAL SPECIFICATIONS:

PERFORMANCE

Max pull/tension	5000 lbs @ 35.43 in (22 kN)
Speed at max pull	1 mph (1.61 km/h)
Max speed	4 mph (6.5 km/h)
Free wheel max speed	4 mph (6.5 km/h)

ELECTRICAL POWER PACK

Lithium batteries	96 V
Charging system	115/230 V
Charge Time	115 V - 14 hours 220 V - 6 hours

REMOVABLE REEL

Standard reel on board

External diameter	42 in (1067 mm)
Internal diameter	18 in (457 mm)
Width	51 in (1295 mm)
Reel capacity	See chart below

PES500 (SYNTHETIC ROPE)

ROPE DIA	CAPACITY		WEIGHT	
	ft	m	lbs	kg
3/8 (10)	25000	7500	1525	693
7/16 (11)	20000	6200	1440	655
11/32 (12)	17250	5250	1432	651
1/2 (13)	14500	4400	1363	620
9/16 (14)	12400	3800	1302	592
19/32 (15)	11000	3300	1353	615
5/8 (16)	9759	3000	1346	612
3/4 (18)	7250	2250	1160	527
1.0 (24)	4000	1200	1180	536

Max dimensions of the reel

External diameter	72 in (1829 mm)
Internal diameter	56 in (1422 mm)
Max Weight	5600 lbs (2540 kg)
Shaft diameter	2.75 in (70 mm)

BATTERY STORAGE CAPACITY

Rope length recovered	
Working Cycle	Average 19685 ft (6000 m)
Working Cycle	Max Pulling Force 9842 ft (3000 m)

STANDARD EQUIPMENT

Radio remote control for machine operations. Complete with:

- Setting pull value
- Setting reel winder value
- Control of direction and speed of bullwheels
- Display to check stringing parameters
- Stop Operation push button
- Negative self-acting electrical brake
- Lockable sound dampening 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
- Remote Diagnostic system with GPS localization.

OPTIONAL EQUIPMENT

ALL261 External Printer

GENERAL SPECIFICATIONS - DOT

Weight (without rope)	8000 lbs (3600 kg)
Overall Length	222 in (5639 mm)
Overall Width	97 in (2464 mm)
Height	110 in (2794 mm)

CONDUX | TESMEC



Note: the basic machine performance is calculated at 68°F (20°C) and at sea level.

The latest issue of the Condux Tesmec Stringing Equipment & Accessories Catalog includes comprehensive product information specific for stringing applications in the transmission and distribution industries.



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