

PW150-E Electric Welding Tractor



www.streicher-ecotec.de

- 1-motor-solution
- Remote-controlled
- Silent
- Powerful
- Flexible



STREICHER ECOTEC PRODUCTS – PROVEN IN PRACTICE AND FUTURE-FOCUSED

The ecotec welding tractors of STREICHER - a real alternative to conventionally operated welding tractors.

In the field of pipeline construction, welding tractors ensure the energy supply required for on-site welding activities. A supplementary feature allows the on-board transportation of required material and equipment.

In close cooperation with engineers, technicians and fitters, STREICHER has developed a custom-designed welding tractor with a technologically future-focused drive system on an electric basis.

The welding tractor impresses with:

- safety
- environment-friendly technology
- sustainability
- cost-efficiency









OVERVIEW OF PW150-E

Regenerative energies are becoming more and more important. Their use saves CO_2 emissions and protects the environment. Emissions as well as operating and maintenance costs are noticeably reduced. The PW150-E drive system has been developed as an electric driven device in support of this future-oriented trend.

The new welding tractors convince users with numerous advantages:

- The drive system is realised by two electric motors. The in-house developed type only needs one motor to generate energy. The energy consumption and CO₂ emissions are significantly reduced.
- The chassis frame and the drive components are customised to one another so that a high-ground clearance is provided. The welding tractor is highly adaptable for all terrains and is suitable for all requirements in the field of pipeline construction.





- The track units are designed with large track shoes to significantly reduce the ground pressure for high standards of environmental protection.
- Operating personnel are enabled the highest precision of control with the electric drive to operate the welding tractor while running the tractor unit even on steep terrains. The safety brakes of the PW150-E have an automatic opening and closing mechanism so that the machine cannot unintentionally roll off the terrain.
- Lifting crane, power generation, transport boxes and power distributors for the welding process are all integrated on the platform of the welding tractor. The PW150-E also offers sufficient space and mounting options for further relevant welding equipment.
- A particularly prominent feature of this welding tractor is its control system by radio remote control. The crane and the drive system can be intuitively operator-controlled. There is no need to switch between otherwise separated remote-controls. This provides favorable operating conditions for a more time-efficient and responsive project work. The operator can choose his or her location for an optimal field of vision, providing the highest level of safety for all participatory working personnel.
- The PW150-E furthermore impresses with its cost-efficient design. With the electrical design of the welding tractor, maintenance costs can be reduced to a minimum. The operating costs can thereby be significantly cut along with a reduced energy consumption.

The PW150-E combines all operating requirements in the field of pipeline construction with an electric drive concept. It impresses with its high level of efficiency, flexibility and security.

PROGRESS IN TERMS OF EFFICIENCY AND SAFETY







PW150-E TECHNICAL PRODUCT DATA SHEET

STREICHER PW150-E

- Dimensions (LxWxH): 7.50 x 2.95 x 3.14 m
- Transport weight: 17 t
- Supplementary payload: 2.7 t
- Ground clearance: 0.60 m
- Fording depth: 1 m
- Rotation radius: 0 m
- Ground pressure: 470 g/cm²
- Ambient temperature: -20 to +45 °C

Chassis

- Drive system by electric motors
- Width per track unit: 0.75 m
- Wheel diameter: 0.694 m
- Integrated track unit pretensioner
- Metallic embedded rubber chain

Lifting Crane

- Capacity: 11.5 tm
- Range: 12.8 m
- Integrated automated folding and unfolding device
- LED-illumination

Operation

- Combined, intuitive radio remote control: Control of crane and drive operation
- Emergency operation for crane and drive operation
- Warning lights and accoustic warn signals during driving operation

Power Generator

- Performance: 150 kVA
- Voltage: 400 V AC
- Frequency: 50 Hz
- Isolation monitoring acc. to DGUV 203-032 integrated

Alternative Power Supply

Feed-in via public power net possible

Other

- Two tool boxes as storage device for working materials
- Lashing eye and towing eye front and rear
- Charging station including spare battery for radio remote control
- 4 LED head lamps
- 2 LED tail lamps
- Fire extinguisher
- First aid kit

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Norms / Standards

- Machine Directive 2006/42/EC (CE)
- Low Voltage Directive (2014/35/EG)
- EMV-Directive (2004/108/EG)
- Industrial Safety Regulations (2009/104/EG)
- DGUV 203-032

Options*

Lifting Crane

- Different designs and types available upon request
- Winch for crane can be added on customer demand

Operation

Remote access (remote maintenance): available on customer demand

Power Distribution

- Supplementary plug / connections
- Power distributor with plugs up to 63 amperes

Other Optional Equipment

- Data monitoring of machines and parameters with satellite telemetry
- Installation of compressor
- Pressure tank
- Electrode furnace
- Enhanced illumination package
- Refrigerator

*further options available on demand







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PROGRESSIVE AND ECO-FRIENDLY

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INNOVATIVE, POWERFUL AND SAFE. OUR ELECTRIC-DRIVEN TRACTORS ARE BASED ON A MODULAR CONSTRUCTION DESIGN WITH MULTIPLE POSSIBILITIES OF USAGE.



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