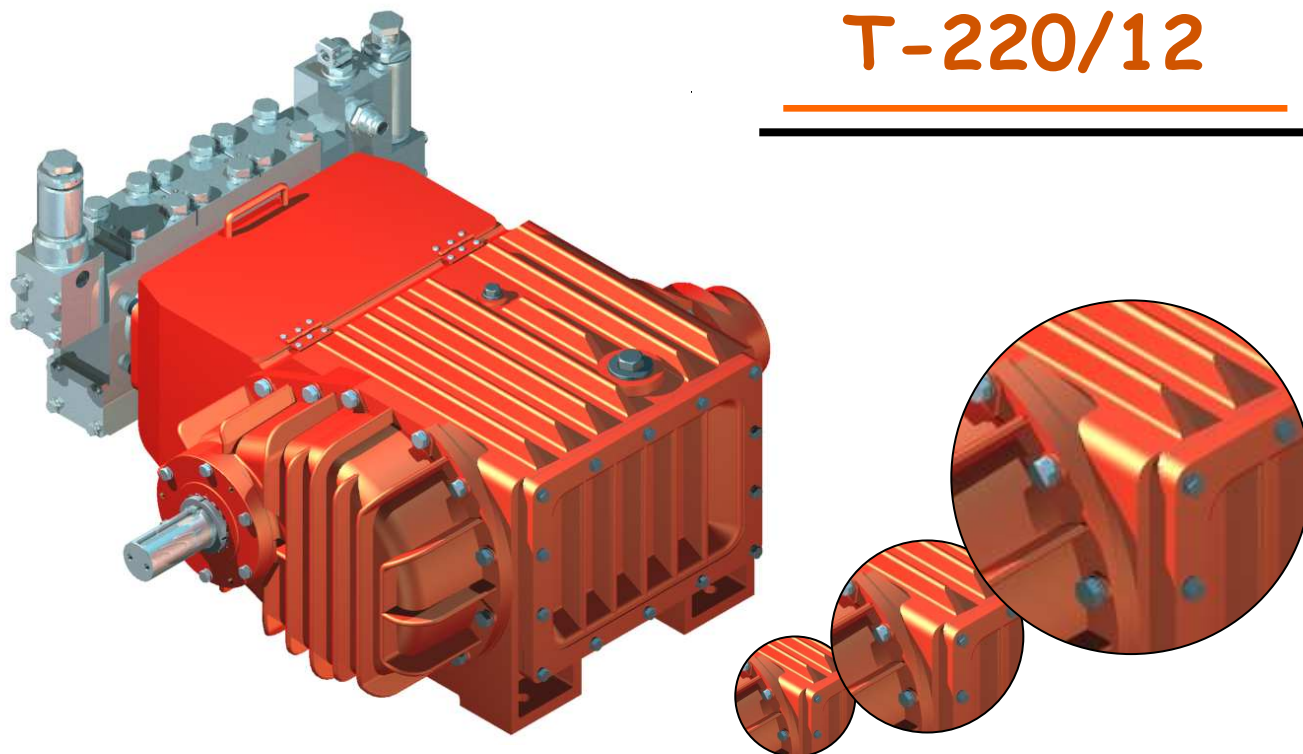


plunger pump **T-220/12**



SPECIFICATION:

✓ Pump Output	220 dm ³ /min
✓ Working pressure	10- 12 MPa
✓ Transient pressure	max 14 MPa
✓ Plungers	3
✓ Plunger Ø	55 mm
✓ Motor power	55kW
✓ Operating voltage	500 - 1140 V
✓ Drive speed	1480 RPM
✓ Pump unit dimensions (L. x W. x H.)	1080x1046x507
✓ Pump system dimensions (L. x W. x H.)	2250x1050x900
✓ Pump unit weight	890kg
✓ Complete pump system weight	1975kg



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CLASSIFICATION:

The classification of our Type T pumps comprises of the following symbols:

T - **Q** / **p**

Symbology definitions:

- T** - High pressure pump
- Q** - nominal pump output [dm³/min.],
- p** - Working Pressure [MPa]

Product Example: High pressure pump of 300 dm³/min output and working pressure 15MPa

T-220/12


APPLICATIONS:


The **T-220** high pressure pump features horizontally mounted triple plungers and is primarily designed for pumping water or water-oil emulsion.

The **T-220** meets E.U. safety classification and certification requirements. The **T-220** is a Group **I** Device and is in the **M2** Category for equipment working in areas at risk of explosion. It meets Poland's legal requirements relating to the "essential requirements for equipment and protective systems intended for use in potentially explosive atmospheres (OJ No 263/2005, item. 2203)". This law complies with the EU Directive **94/9/EC (ATEX)**.

The device can therefore be used in deep mining operations and in the presence of methane at sites that are in the "a", "b" and "c" hazard classes for methane explosion and "A" and "B" hazard classes for coal dust explosion.

The unit is to be switched off by the operator if a risk of explosion develops and/or if methane concentration exceeds acceptable levels.

This T type of pump unit is marked  **I M2**.

The pump unit can only be operated in conjunction with electrical equipment that meets **UE nr 94/9/WE (ATEX) Directive** for groups and class  **I M2**.



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The pump unit and associated systems have CE markings indicating compliance with mandatory Directive requirements.

The pump unit is offered as a complete system or as a standalone unit. In addition to mining the pump may be used for applications in other industrial sectors including Energy as well as Sugar and Chipboard production.

