

PUMP SET KTX 125 N

Use and description:

Pump set **KTX 125 N** (hereinafter only set) is used for pumping and piping transport of slurries, pastes and other water mixtures with max. grain up to 10 mm and with the volume density up to $C_v = 0.60$. The set is fastened to the carrier, which may be one of loaders used by the employer, e.g. HAUSHERR or other loaders. The set is fed from the hydraulic system of the loader or other source.

The set consists of following principal parts: single screw pump equipped with the input branch containing the sieve and the propeller scraper for pumping the liquid mixtures; orbital hydraulic motor with clutch; pump frame enabling the fastening the to the carrier body; pressure hose line enabling the direction control of the pumped mixture and washing the set and hose with service water; the hydraulic distribution system for connecting the set to the pressure medium source.



KTX 125 N

Characteristics:

Type		KTX 125 N
Nominal capacity	$m^3 \cdot h^{-1}$	27
Max. mixture output pressure	MPa	0.6
Max. grain in mixture	mm	10
Set drive		hydraulic motor
Motor nominal output	kW	7
Pressure medium	hydraulic liquid having a viscosity of $46 \text{ mm}^2 \cdot \text{s}^{-1}$ at 40°C	
Hydraulic oil max. pressure	MPa	16
Oil flow rate at nominal output	$\text{dm}^3 \cdot \text{min}^{-1}$	38
Oil filtration	μm	25
Set rpm control range during operation	$1 \cdot \text{min}^{-1}$	225 – 450
Pump input and output diameter DN	mm	125
Pump output		fire fighting hose connect. B 75
Dimensions (l x w x h)	mm	1 790x560x885
Weight	kg	266.0

Type marking:

KTX 125 N
 KTX type marking
 80 pump input and output diameter
 N intended for using in potentially explosive atmospheres

The product has been designed and constructed as the equipment group I (mine), category M2 and equipment group II (mine surface installations), category 2 according to the Directive 94/9/EC of the European Parliament and of the Council and meets the requirements for using in areas “dangerous atmospheric conditions 2” according to EN 1127-2+A1 and “zone 1” according to EN 1127-1 on condition that all national regulations of the employer are fulfilled.

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