

PUMP SET KTX 50 NH

Use and description:

Pump set **KTX 50 NH** (hereinafter only set) is a self-suction screw pump with hydraulic motor for pumping and piping transport of slurries, paste and other mixtures containing max. grain 3 mm and with volume density $C_v = 0.0 \div 0.50$.

The set is fastened to the carrier, which may be special handling equipment, twin monorail trolley or other solution of the technology project.

The set consists of following principal parts: single screw pump, hydraulic motor, pump frame, pressure line, hydraulic connection and measuring device for measurement the mixture output pressure.



KTX 50 NH

Characteristics:

Type		KTX 50 NH
Nominal capacity	$m^3 \cdot h^{-1}$	4.5
Max. mixture output pressure	MPa	1.2
Max. grain in the mixture	mm	3
Set drive		hydraulic motor
Motor nominal output	kW	3.8
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	$\text{dm}^3 \cdot \text{min}^{-1}$	25
Oil filtration	μm	25
Set rpm control range during operation	$1 \cdot \text{min}^{-1}$	$450 \div 750$
Pump input and output diameter DN	mm	50
Pump output		fire fighting hose connect. B 52
Dimensions (l x w x h)	mm	1 020x200x212
Weight	kg	43.0

Type marking:

KTX 50 NH
 KTX type marking
 50 pump input and output diameter
 NH inexplusive version, hydraulic drive

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.

U Cementárny 1303/16
 703 00 Ostrava – Vítkovice, Czech Republic
[http:// www.koexpro.cz](http://www.koexpro.cz); www.koexpro.eu

phone: +420 595 782 251, +420 595 782 250
 fax: +420 596 633 923, +420 595 782 249
 e-mail: koexpro@koexpro.cz