

## PUMP SETS KTX 150 and KTX 200

### Use and description:

Piston pumps type **KTX 150** and **KTX 200** are used for piping transport of high density slurries and liquid mixtures into pertinent spaces. The mixture suitable for piping transport using these pumps consists of particles and liquid or paste mixture with max. particles in dimension 30 mm (event. 40 mm) with volume concentration up to  $C_v = 0.60$ .

To main parts of the piston pump belong feeding funnel, frame, in which cylinders with working pistons are mounted, further working and transverse adjusting hydraulic rectilinear motors, filling chamber, control panel and hydraulic distribution system. Piston pump is driven with separate source of pressured oil with corresponding characteristics (e.g. hydraulic aggregate type HAK 100/280, product of the KOEXPRO OSTRAVA, a.s. company).



KTX 150

### Characteristics:

Type		KTX 150	KTX 200
Max. transport capacity at 4 MPa/6 MPa	$m^3 \cdot h^{-1}$	10/5	40/26
Max. mixture output pressure	MPa	4/6	4/6
Max. particle dimension in mixture	mm	30	40
Drive		hydr. rectilinear motors	
Pressure medium source (external)		separate hydraulic aggregate	
Input	kw	30	2x30
Max. hydraulic oil pressure	MPa	20	20
Oil flow rate at nominal output	$dm^3 \cdot min^{-1}$	100	160
Oil filtration	$\mu m$	25	25
Diameter of the suction and discharge branch	mm	100	150
Volume of the funnel incl. filling chamber	$m^3$	0.7	0.7
Weight (without oil and distribution systém)	kg	1 150.0	2 254.0
Dimensions (l x w x h)	mm	3 350x1 495x1 200	4 498x1644x1 430

Type marking: **KTX 150, 200**  
 KTX type marking  
 150, 200  $\varnothing$  of the working cylinder pistons

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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