

Electrical screw complexes for heating and drying of loose material



Drier unit



Part of the complex

Highly effective electrical screw complexes and their technologies are designed for heating, drying, crushing of loose material, coal sludge and metallurgical mud, for prior drying of grain in premises and in field conditions.

At one time with heating and drying processes the transportation of material is provided. If necessary it is activated the processes of breakage and dry (magnetic) concentration. Electrical screw complexes are portable, need not capital outlays for foundations for drier drums, coal, fuel-lubricated and gas storehouses and gas pipe-lines. The general efficiency is 98% because practically all dissipative energy in drier units and steam energy of heat-exchange system is used for heating the raw material.

Complex consists of screw drier units, heat exchange and ventilating system, automated control system for thermal and loading stages. Quantity of drier units and their configuration is determined by complex's location and certain parameters of technological regime: initial and final humidity of material, productivity, etc.

MAIN TECHNICAL CHARACTERISTICS

Productivity, t/hour	Power consumption, kWt	Supply voltage, V 3-phase circuit, 50 Htz	Humidity, %		Dimensions, m	Weight, kg
			Initial	Final		
5-30	150-820	380/660	25	12	4,0×2,0×4,0	4200