



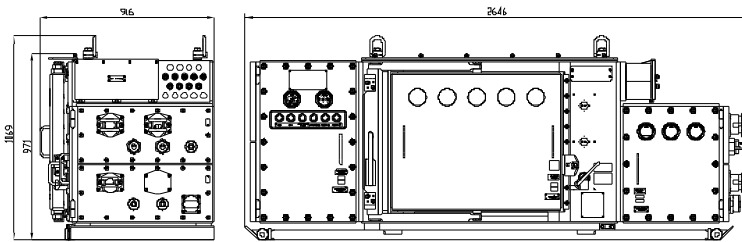
T Machinery a.s.



Transformer TPK9S.XXX

The *Transformer TPK9S.xxx* (hereinafter referred to as “transformer”) is designed and produced by company *T Machinery a.s.* It is designed to work together with the frequency convertor to feed the shearer motors. This equipment is designed for underground operation in coal and other mines, in an environment with explosion hazard.

The equipment is designed as a three phase transformer, designed for operation in mines with “insulated neutral” electrical sets. The transformer is equipped with equipment for insulated state monitoring on its secondary side. All electrical devices of the transformer are housed inside a hard cover, with the exception of intrinsically safe circuits, which are accessible externally and can be used in an environment with explosion hazard. The manufacturer guarantees high output and safety of this equipment in conditions with increased coal dust, increased dampness and temperature.



Dimension (length, height, width)	2646 x 1069x 916	mm
Rate of protection	IP 54	
Ambient temperature	10 - 40	°
Weight	2 550	kg
Rated power	120	kVA
Rated input voltage	1000/1140	V
Rated output voltage	400/500/660	V
Rated output current	104	
Voltage regulation	0; +5; +10	%
Input voltage tolerance	-20; +15	
Short circuit voltage	1,7	%
Transformer efficiency	98,7	%
Number of the power cable inputs/outputs	2/2	pcs.
IS output/input	2/2	pcs.