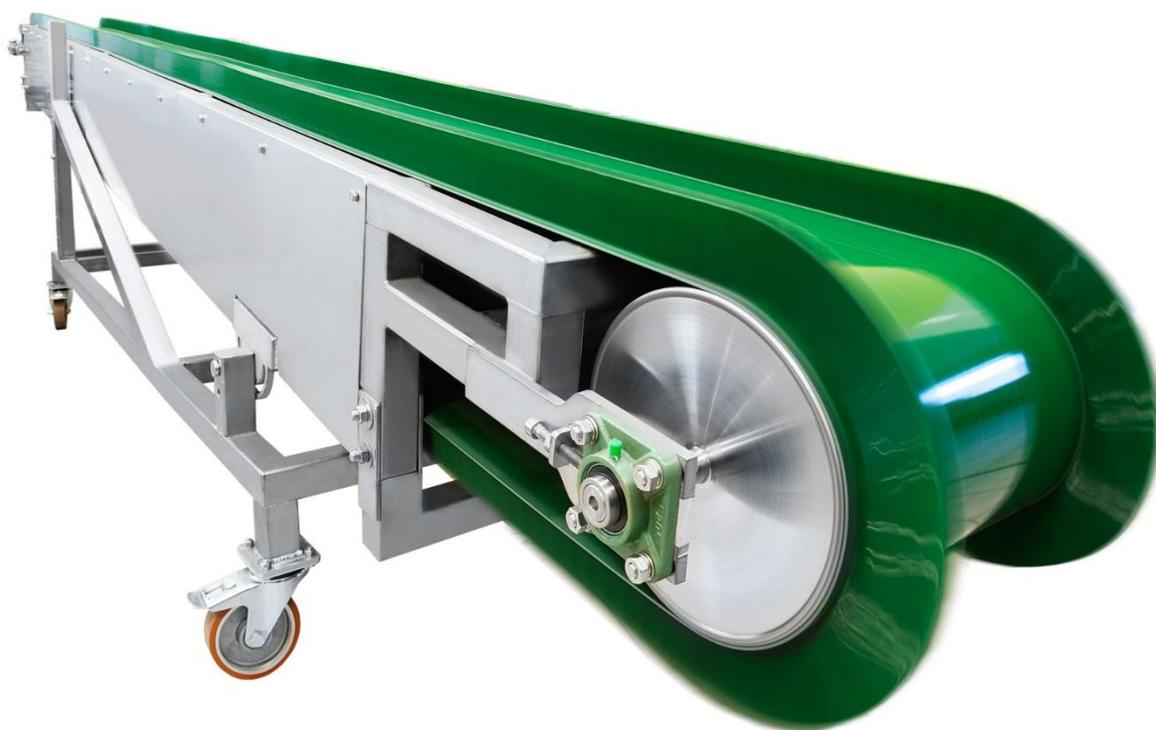


BELT CONVEYORS

Catalog sheet



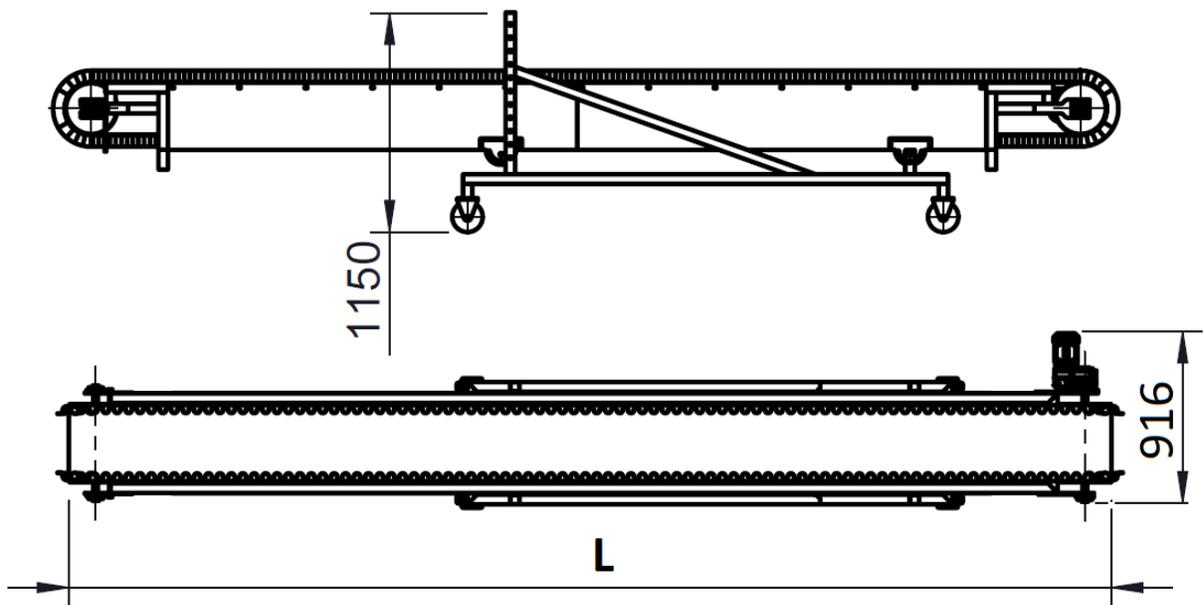
Belt conveyor is used for transporting sludge cake from MP-DW dewatering screw press. The use of conveyor is particularly found when placing a dewatering machine inside the building, while sludge transport containers are usually located outdoors for better handling. The conveyor can be used up to an inclination of 18 °, thus a certain elevation can be overcome and the dewatering machine does not have to be positioned above the container itself.

The conveyors are delivered on pedestal with lockable wheels, so they do not need to be fixed to ground on one permanent position. Conveyor can be used mobile as needed - for example, using multiple containers for sludge cake or possibility of storing the conveyor after dewatering and space saving.

Unlike screw conveyors, belt conveyors are considerably lighter, cheaper, and more economical in terms of power consumption, no heating is necessary for the winter time, maintenance and service are easy to do, and there is no risk of damaging the bearings if sludge cake is too wet and comes into the conveyor.

Belts have so-called waveguides welded on the side of belt. This keeps the transported material on the belt and prevents leaking of material to the side. This type of construction prevents tightness issues on borderline of belt and frame for other types of belt conveyors.

The SEW Eurodrive gearbox with front transmission is used to drive the conveyor. The cylinders are mounted in roller bearings.



Parameters:

| | MP-BC-4 | MP-BC-5 | MP-BC-6 |
|-------------------------|--|----------|----------|
| Electric drive | 3x230/400 V, 50/60 Hz, 0.12 kW | | |
| Cylinder RPM | 9.8 [min ⁻¹] | | |
| Belt speed | 140 [mm/s] | | |
| Belt width | 400 [mm] | | |
| Transportation capacity | 4 [m ³ /h] | | |
| Belt type | Polyester fabric with PVC, stabilized, 2 layers, a total thickness of 3 mm, the hardness of the top layer 70 of HSA | | |
| Ambient temperature | -10 up to +80 °C | | |
| Frame material | Stainless steel DIN 1.4301 / AISI304 | | |
| Maximum inclination | 18 ° | | |
| Conveyor width | 916 mm | | |
| Conveyor height (0 °) | 1150 mm | 1150 mm | 1150 mm |
| Conveyor length (0 °) | 4 000 mm | 5 500 mm | 6 500 mm |
| Weight | 280 kg | 340 kg | 390 kg |



Manufacturer:

MIVALT s.r.o.

Prokofjevova 23, Brno 623 00, Czech republic

mivalt@mivalt.eu, www.mivalt.eu, +420 775 660 062