

## ECOPRESS Mobile Compactors

### Model MINIBIO



**ECOPRESS Mobile compactor** is designed for pressing cardboard, foil and dry or semi-dry municipal waste, reduces the volume of stored waste and cost of its transportation. The compression ratio is from 1:3 to 1:10 for different types of waste providing the payback of the equipment.

**EMC MINIBIO and MINIBIO DUO** are designed to compact wet and organic waste materials as well as mixed solid waste in the limited space due to its smaller overall dimensions. Pendulum press plate equipped with single or double cylinders performs high results and demands no maintenance for a long time. Minibio Duo is very good solution to sort mixed dry waste and organic waste in one compactor equipped with two compartments with separate press plates and partition wall with 2 doors at the end. It can be used with various collection vehicles as skiploader/liftdumper, mini and standard hook lift collection vehicles. It is suitable for operation in all weather conditions at temperatures from -50C to +50C with low noise level. The compaction system is managed by pressure sensors without any mechanical sensors to avoid possible malfunction during operation. Machine is equipped with protective sensors for oil level and overheating. Build in telemetry module supports online connection 24/7 and signals by email and SMS as well as re-program or service requirement notice.

**ECOPRESS compactors** are available in various different models of loading options, connection to object by stationary hopper, side or front mounted Wheelie Bin Tippers with or without automatic lid opener, front or side hinged backdoor and double end lift up option.

**ECOPRESS compactors** conform to Health & Safety and CE requirements of EU Directives 2006/42/EC, 89/392EEC, 91/368EEC, 93/44EEC, 93/68EEC on the safety of machinery and equipment and German accident prevention regulations.

**Compactor capacity is from 6 to 14 m<sup>3</sup>.**

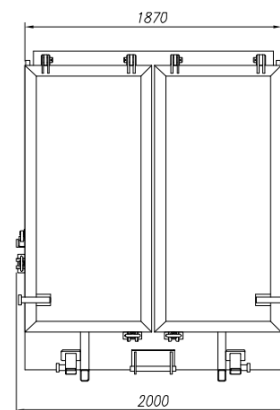
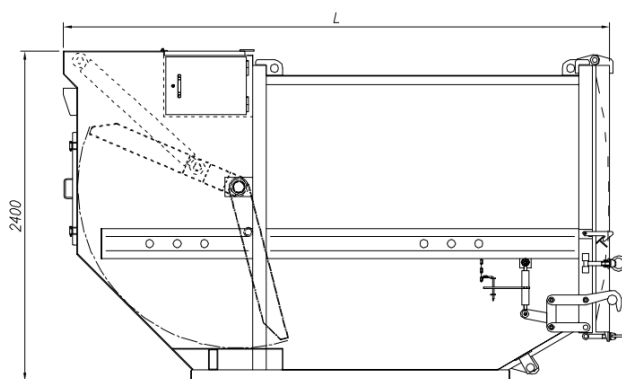
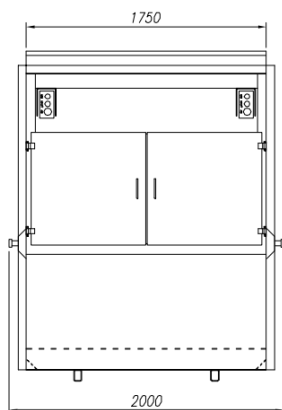
TECHNICAL INFORMATION:

MINIBIO

MINIBIO DUO

<b>Pressing force, tons</b>	13 / 26	26
<b>Pressure, bar</b>	210	210
<b>Electric motor, kW</b>	4	4
<b>Operating Voltage</b>	230V/400V/32A	230V/400V/32A
<b>Press plate size, L x W, mm</b>	1700 x 1225	2 x 840 x 1225
<b>Loading chamber volume, m<sup>3</sup></b>	1,7	2 x 0,8
<b>Loading chamber size - top, L x W, mm</b>	1200x1700	2 x 1200x840
<b>Loading chamber size - bottom, L x W, mm</b>	700x1700	2 x 700x 840
<b>Loading height, mm</b>	1200	1200
<b>Output capacity per cycle, m<sup>3</sup></b>	1,8	0,8
<b>Output capacity per hour, m<sup>3</sup>/h</b>	180	130
<b>Compacting cycle, sec</b>	36	22
<b>Container volume, m<sup>3</sup></b>	6-14	6-14
<b>Cardboard payload, tons</b>	1 - 2	2 - 3
<b>Incineration waste payload, tons</b>	2 - 5	3 - 6

EMC MINIBIO DIMENSIONS:



### Features

For skiploader/liftdumper vehicles or hooklift/roll-off tippers  
Container 80 and 100% full light  
Ram with plastic fine scraper at the bottom (ideal for scraps of paper)  
Rubber seal on cylinder chamber  
Pendulous retaining claws prevent the waste from springing back  
Front hook can be folded down for easy filling  
Problem-free emptying supported by three-sided conical container body  
Discharge door with ratchet closure, hinges on the side or top  
Cylinder mounted in rotatable eyelets  
Maintenance friendly electrical switch cabinet and hydraulic unit are easily accessible from the side and from above.  
Electronic safety controller is easily expandable for many additional functions  
Container sandblasted and painted as per EN ISO 12944 C3M

### Options

End position of the ram "open" or "closed"  
Cable remote control  
Pendulous steel scraper in front of the ram  
Low feed opening 1320/1410mm for comfortable loading  
Cover over filling opening optionally  
Compactor pick up from both sides  
Discharge door with seal  
Maintenance hatch with safety limit switch  
Additional integrated or portable container tipping mechanisms  
Fill level, error or service requirement notification via GSM  
Bin Lifting device integrated or stationary with own power pack  
230/380V switch box panel  
Timer to start / stop compaction  
Automatic start with photo sensor  
Oil heating system  
Steel lid with 2 gas cylinders  
Aluminum lid with 2 gas cylinders  
High sides of loading chamber  
High sides of loading chamber with side loading hatches  
Fully leak-proof container (included in BIO models)  
Ozone freshener odors remover  
Waste feeding channel  
Guiding rails, 3m or 6m  
Solar panel station

