



Trans-Pack Flexible

RP 7700 TP

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1. General description



The Trans-Pack Flexible is designed as a highly versatile member of the Bergmann Roll-Packer family of machines. It can be used for both stationary and mobile applications. This involves a heavy, specially equipped compaction drum being used to reduce even large quantities of waste in open containers within the shortest of times to a minimum of the original volume. The containers can be arranged in different positions at random locations and spread out over any number of sites.

The Trans-Pack Flexible is ideally suited for bulky and voluminous waste such as wooden crates, pallets, large items of cardboard packing, bulky waste, organic waste, etc.



When used in stationary applications, the machine is driven by an optional diesel generator set. When used in mobile applications, the machine is driven either via the truck's own hydraulic system or by the optional diesel generator set. To transport the machine, the Trans-Pack is secured onto an auxiliary platform, which allows it to be picked up by a truck with a roll-on/roll-off facility.

The Trans-Pack Flexible can be operated at open containers up to 7 m in length, with compacting being possible both from the unloading side and from the collection side of the container.

In this regard, the driver's cab is positioned sufficiently high, thus ensuring that the operator always has the working range of the compaction drum clearly in view. What is more, it provides protection against the effects of the weather.



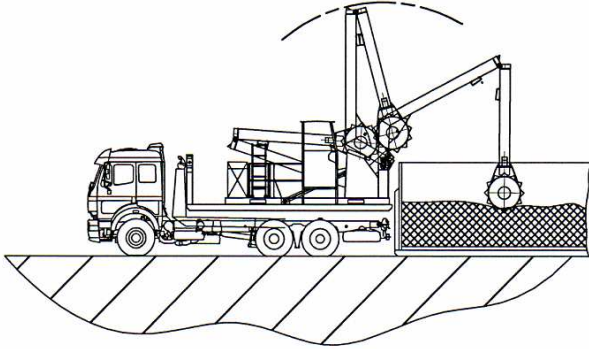
The compaction drum is driven by hydraulic motors housed inside the drum itself, which are powered by a hydraulic system. The compaction operation ensues manually. The system should be controlled in such a way that the drum moves forwards and backwards in constant alternation, thus compacting the waste in layers.

2. Technical data

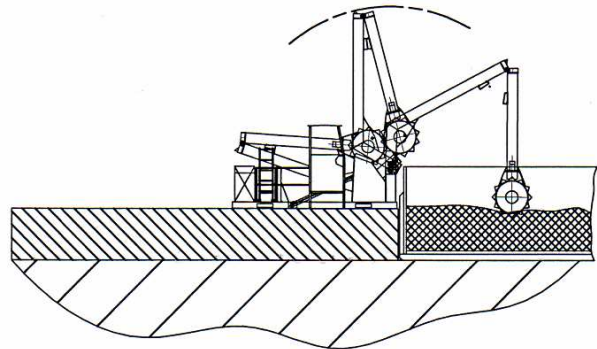
<u>Requirements on truck hydraulics/electrics</u>		<u>Dimensions</u>	
Volume flow	min. 30 l/min, max. 70 l/min	Machine width	approx. 2500 mm
Operating pressure	min. 250 bar, max. 320 bar	Machine height (without subframe)	approx. 2450-5900 mm
Hydraulic oil quantity, truck	min. 60 l	Machine length	approx. 5550 mm
Control voltage	12 / 24 V	Cab dimensions (LxWxH)	1250 x 1100 x 2000 mm
		Drum diameter	approx. 1150 mm
<u>Drive motor</u>		<u>Other details</u>	
Type	4-stroke diesel motor, 3 cylinders	Drum diameter	approx. 1150 mm
Manufacturer	Yanmar	Container height	min. 1900 mm / max. 2900 mm
Output	25.5 kW at 1900 rpm	Roller travel length	max. 6600 mm, adjustable
Cubic capacity	1600 cm ³	Drum weight	1800 kg
Tank contents	70 l diesel fuel	Total weight	3450 kg
Consumption	approx. 3-4 l / hour		
<u>Hydraulic power pack</u>			
Travel drive / drum drive	Hydraulic motors		
Operating pressure	up to 320 bar		
Amount of hydraulic oil	110 l		
Hydraulic oil	HLP as per DIN 51 524, Part 2 Viscosity of 46 mm ² /s at 40°C Temperature range: -10°C to +60°C		
<u>Gearbox</u>			
Amount of gearbox oil drum gearbox:	6.0 l		
Amount of gearbox oil for travel drive:	6.0 l		
Gearbox oil	CLP as per DIN 51 517, Part 3		
Viscosity of	320 mm ² /s at 40°C		
Temperature range:	-10°C to +60°C		

Subject to technical changes

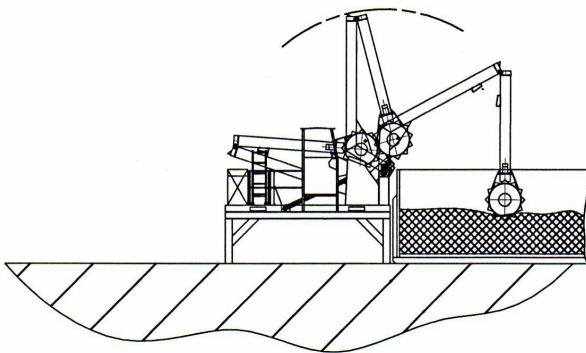
3. Types of application



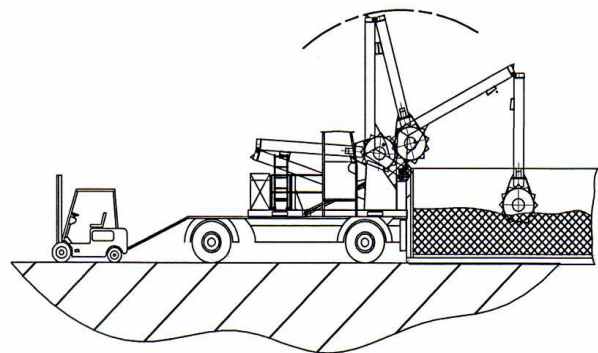
On a roll-on/roll-off vehicle



On a ramp



With a subframe




On a trailer

4. References

- | | |
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| <ul style="list-style-type: none"> • CNH New Holland Belgium, Breda (NL) • Gemeente Eindhoven de Hurk (NL) • Oeko Service Luxembourg SA (L) • Dechetterie de Cognac, Cognac (F) • Glenrothes Recycling Site, Five (GB) • Stirling Council, Stirling (GB) • Gemeente Rotterdam, Rotterdam (NL) | <ul style="list-style-type: none"> • East Lothian Council, Wallyford (GB) • Falkirk Council, Boness Grangemouth (GB) • Dunfermline Recycling Centre, Dunfermline Five (GB) • Cowdenbeath Recycling Centre, Cowdenbeath Five (GB) |
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5. Compaction results (Customer details)

	<u>Type of waste</u>	<u>without Trans-Pack</u>	<u>with Trans-Pack</u>	<u>Savings in disposal trips</u>
	Chipboard, particle board	approx. 4 tonnes	approx. 7,5 tonnes	47 %
	Cardboard	approx. 0,9 tonnes	approx. 3 tonnes	70 %
	Residual waste	approx. 5 containers necessary	approx. 3 containers necessary	40 %
	Building timber, laths, pallets	approx. 4 tonnes	approx. 9 tonnes	56 %
	Metals	approx. 4 containers necessary	approx. 2 containers necessary	50 %
	Organic waste	approx. 3 tonnes	approx. 6,5 tonnes	54 %

6. Technical features travel and compaction mode



Hydraulic system

The hydraulic system used in the Trans-Pack machine is supplied with oil by a hydraulic auxiliary drive of the roll-on/roll-off tipping vehicle. The machine is connected to the vehicle by means of two quick-release couplings. A valve block controls the flow of oil for the drum operation as well as for the hydraulic cylinders used for lifting out the drum.



Compaction mode

Low-maintenance hydraulic motors (fed by the hydraulic system) inside the compaction drum are used for driving and rotating the drum. A heavy drum weighing approx. 1.5 tonnes with highly wear-resistant teeth ensures that the material is highly compacted.



Raised cab

A raised cab ensures that the operator always has a clear overview of the working range and hazard area, whilst affording protection against the weather.



Folding ladder and safety railing

The folding ladder facilitates access when climbing onto the truck. The railings around the sides ensure that the operator is safe when standing on the machine.



Acoustic signal transmitter

During compaction, the operator has the option of alerting other persons of potential dangers by manually actuating a horn.



Spotlights front and back

A 55 Watt spotlight is attached on both the front and back of the cab.



Tilt/inclination switch "Container reached"

To prevent the compaction drum from switching on too soon, the swivel arm is fitted with a tilt/inclination switch, which only releases the drum for rotation on reaching the container that is to be compacted.





Tilt/inclination switch "Centre lift"

Ensures that the drum can only be lifted out when the pendulum arm is in the vertical position. This prevents the compaction drum from making uncontrolled pendulum movements.

7. Accessories

EDP-code	Description	Scope of delivery
<p>40467103 40467104 40467105</p> 	<p>Additional ladder</p> <p>The additional folding or telescopic ladder makes it possible to climb up onto the machine from both sides.</p>	<p>Folding ladder or telescopic ladder</p>
<p>40467439</p> 	<p>EMERGENCY STOP pushbuttons, outside</p> <p>2 EMERGENCY STOP pushbuttons accessible from the outside ensure additional safety.</p>	<p>2 EMERGENCY STOP pushbuttons</p> <p>Connection material</p>
<p>40467451</p> 	<p>Flashing light during machine operation</p> <p>A rotating flashing beacon is installed on the cab and flashes as soon as compaction is started.</p>	<p>Rotating flashing beacon</p> <p>Connection material</p>

EDP-code	Description	Scope of delivery
<p>40467201 40467202 40467203</p> 	<p>Truck platform</p> <p>Use of a separate transport platform for roll-on/-off vehicles, adaptable for Marrel, Meiller and Multilift.</p>	<p>Transport platform</p>
<p>40467101</p> 	<p>Diesel generator set</p> <p>A built-in 25 kW diesel generator set allows the machine to be operated independently of a truck.</p>	<p>Diesel generator set Enclosure Fastening material Connection material</p>
<p>40467418</p> 	<p>Special drum with drum cleaner</p> <p>This special drum is produced 1700 mm wide and is equipped with a comb that cleans the teeth of the drum during the compaction process.</p>	<p>Special drum Drum cleaner</p>

EDP-code	Description	Scope of delivery
50000899 	<p style="text-align: right;">071206</p> <p>Special paintwork</p> <p>Painting of the machine without surcharge in any RAL colour as per customer request.</p>	RAL colour
50000894 	<p style="text-align: right;">071206</p> <p>Organic hydraulic oil</p> <p>An oil low-level switch is fitted as standard, which shuts down the system if oil is lost. It is advisable, however, to use organic hydraulic oil in areas where the groundwater has to be specially protected.</p>	Organic hydraulic oil
40465490	<p style="text-align: right;">220806</p> <p>Motor oil monitoring with automatic oil level control</p> <p>The oil monitoring device measures the oil level as soon as the ignition key is turned in the ignition and, if necessary, automatically tops up the oil. The system then pumps the required amount of oil from the built-in 6 l tank to the motor housing.</p>	Oil reserve tank Electronic connection device Various pipes Fastening material

8. Overview assecories

EDP-code	Designation
40 465 490	Motor oil monitoring system with automatic cut-off
40 467 101	Diesel generator set
40 467 103	Additional fold-down ladder right/left
40 467 104	Telescopic ladder (instead of standard ladder)
40 467 105	telescopic ladder left/right
40 467 201	Truck platform Marrel
40 467 202	Truck platform Multilift, hook height 1450 mm
40 467 203	Truck platform Meiller, hook height 1570 mm
40 467 418	Special drum; width 1700 mm with drum cleaner
40 467 439	Additional 2 x EMERGENCY STOP pushbuttons
40 467 451	Flashing light during machine operation
50 000 894	Additional charge for organic oil

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