



PFB1500-RCV

REFUSE COLLECTION VEHICLE

100% ELECTRIC
ZERO EMISSIONS

BRADSHAW
ELECTRIC • VEHICLES



BRADSHAW FB1500-RCV

The PFB1500-RCV Waste Handling Tug is a compact, pedestrian-friendly solution for efficient urban waste collection. Designed for use in pedestrian areas, narrow streets and high-footfall areas, it handles 120-360 litre bins and features a corrosion-resistant aluminium frame with a 90° tipping angle for easy waste disposal into larger containers. With five braking systems, automatic hill hold, and advanced safety features, it ensures safe operation on slopes. Reducing manual handling strain, the PFB1500-RCV is easy to use.

Durable Aluminium Body: Lightweight yet robust, with a 2m³ capacity for optimal waste management.

Quick and Easy Loading: Dual drop-down loading doors on both sides allow for seamless waste disposal.

Hydraulic Bin Lift & Door: The bin lift accommodates 120-360 litre bins, powered by a reliable hydraulic system for effortless operation. The hydraulic door keeps waste in and rodents out.

BODY CONFIGURATIONS

FB1500-21 Hopper only	✓
FB1500-22 Hopper & Bin Lift	✓
FB1500-23 Hopper, bin lift & compaction arm	✓

Smart Controls: An electric CAN BUS system with diagnostic tools and push-button controls ensures ease of use and efficiency.

Added Functionality: Built-in supports for brooms and shovels make it a versatile tool for any clean-up task.

Independent Power Supply: A separate 12V battery and charger system powers the waste collection equipment, maintaining uninterrupted performance without relying on the vehicle battery.



PFB1500 RCV

HIGH TIP WASTE COLLECTOR & BIN LIFT

HYDRAULIC BIN LIFT

- Hydraulic bin lift for handling 120, 240, 360 litre bins

COMPACTION ARM

- Compaction arm options allows for greater collection capabilities and acts as a rear hooper door

SIDE ACCESS

- 2 drop down loading doors to both sides

HIGH TIP WASTE BODY

- Watertight aluminium hopper essential for organic waste collections
- 2m³ - volume

AMBER BEACON

- Standard amber flashing beacon

ACCESSIBLE TIPPING CONTROLS

- Push button body/bin lift operation left rear side
- Tipping control & PTO

ROBUST & DURABLE

- Solid frame construction and reliable components ensure long-term reliability and durability

FIVE INDIVIDUAL BRAKING SYSTEMS

- Hydraulic drum brakes to all wheels
- Electronic regenerative braking under deceleration
- Dynamic speed sensing to prevent over-speeding in all driving conditions
- Automatic hill hold. Controller holds vehicle on incline without driver input
- Automatically applied transmission parking brake





1. SIDE ACCESS

Two drop down loading doors to both sides for easy access. Incorporates safety cut off switch to shut down compaction arm if opened during compaction

3. WANDER LEAD & CONTROLS

Easy to use controls. Wander lead provides assured and easy control and full visibility when tipping or lifting bins.

2. TWIN HYDRAULIC LEG SUPPORT

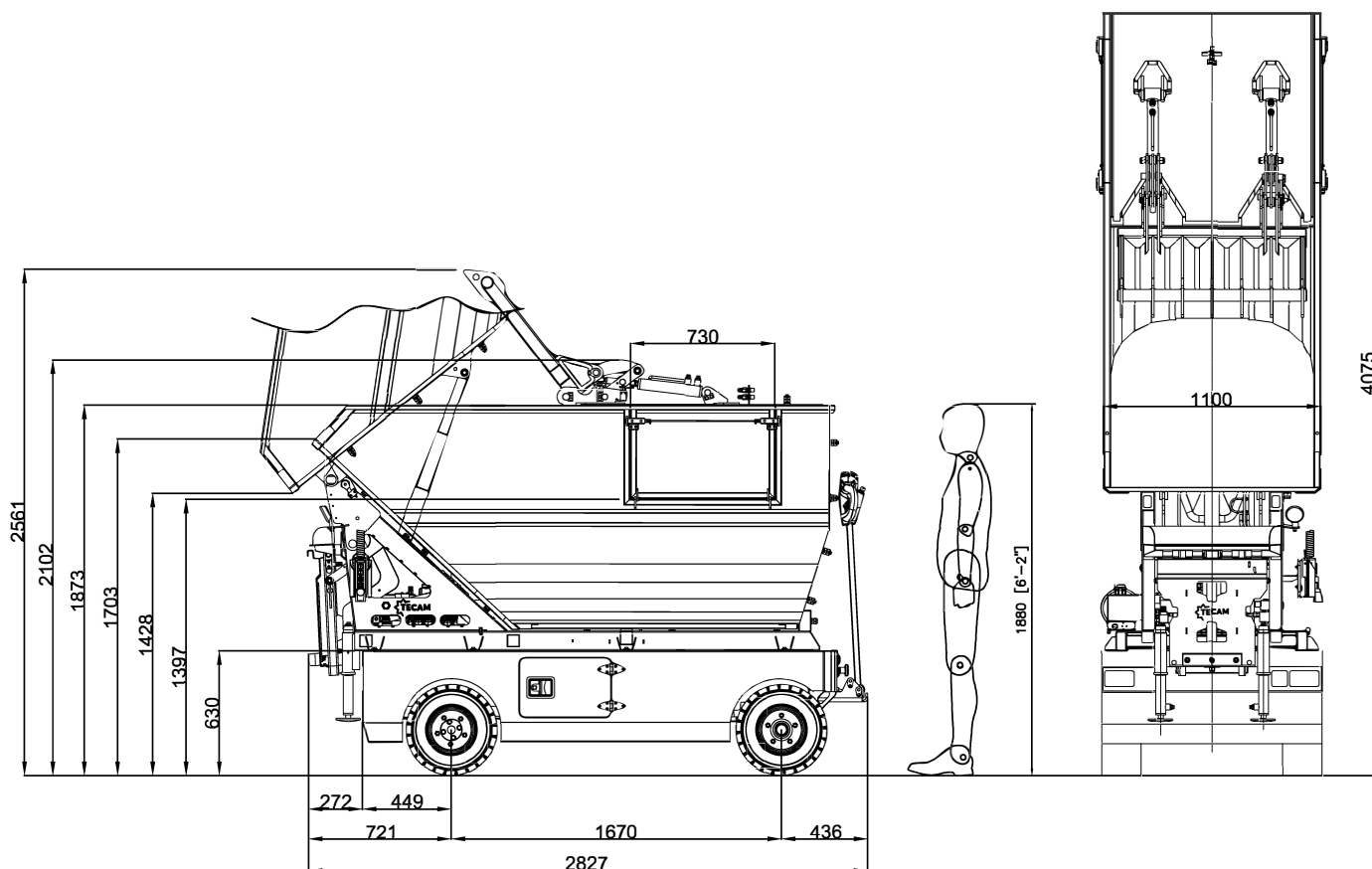
Twin automatic self actuating hydraulic leg support when body is in the tipping position

4. ERGONOMIC TILLER HEAD

The robust and ergonomically designed tiller head offers a practical and reliable method of controlling the PFB1500-RCV.



TECHNICAL SPECIFICATIONS



TECHNICAL DATA

VDI 2198		TECHNICAL FEATURES		PFB1500-1100-23
DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)		BEV
	1.2	Manufacturer's type designation		PFB1500-1100-23
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Battery
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Pedestrian
	1.5	Rated capacity / Rated load ⁽¹⁾	Q (t)	1.5 ⁽¹⁾
	1.9	Wheelbase	y (mm)	1153
WHEELS / TYRES	3.1	Tyres: SE=Pneumatic Shape Solid		SE
	3.2	Tyre size, front	ø x width (mm)	452 x 119
	3.3	Tyre size, rear	ø x width (mm)	452 x 119
	3.5	Wheels, number front / rear (x = driven wheels)		2 / 2X
	3.6	Tread / track, front	b 10 (mm)	917
	3.7	Tread / track, rear	b 11 (mm)	880
	3.9	Wheels braked service brake, number		2 x Rear
	3.10	Wheels braked parking brake		2 x Rear
DIMENSIONS	4.2.1	Height: Body down, door closed	(mm)	2102
	4.9	Height: Body down, door open	(mm)	2561
	4.12	Height: Body tipped (fully extended)	(mm)	4075
	4.19	Overall length	(mm)	2827
	4.21	Overall width	(mm)	1116
	4.32	Ground clearance, centre of wheelbase	(mm)	160
	4.35	Turning radius	W a F (mm)	2497
	4.35	Turning radius	W a R (mm)	2132
	4.36	Internal turning radius	(mm)	1455
PERFORMANCE	5.1	Travel speed, laden / unladen	km/h	6
	5.1.1	Travel speed, laden / unladen, backwards	km/h	6
	5.8	Max. gradeability, laden / unladen	%	10 / 20
	5.10	Service brake		Hydraulic
DRIVE	8.1	Type of drive unit	Kw	Solid axle with integral A/C motor and differential
	8.10	Transfer of power		Helical Gears
	8.11	Service brake		Hydraulic
	8.12	Parking brake		Electric Magnetic Brake on Motor

BATTERY SIZE & VEHICLE WEIGHTS				PFB1501-1100-023 PEDESTRIAN RCV		
BATTERY		Battery type		Lead	Lead	Gel MF
	6.1	Drive motor S2 60 minute rating	(kW)	2.5	2.5	2.5
	6.4	Battery voltage	(V/Ah)	24 / 240	24 / 320	24 / 240
WEIGHTS	6.5	Battery weight	(kg)	235	270	248
	2.1.1	Service weight excluding battery	(kg)	668	668	668
	2.1.0	Service weight including battery	(kg)	903	938	916
		Hopper equipment		440	440	440
		Kerb Weight	(kg)	1343	1378	1356
		Payload	(kg)	1060	1025	1047
		GVW	(kg)	2403	2403	2403

NOTE
These values may vary +/- 5%. Performance is affected by both the condition of the vehicle and loads, as well as the surface and weather conditions within the operating area.



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All data and specifications are in accordance with information available at the time of publication and are subject to change without notice.

Some of the vehicles shown may be fitted with optional equipment or accessories that are available at extra cost.

This brochure supersedes all previous publications.

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