

Technical specifications: Standard Body

General Data	14M ³	18M ³	20M ³	22M ³	25M ³	29M ³	35M ³
Body capacity	14m ³	18m ³	20m ³	22m ³	25m ³	29m ³	35m ³
Hopper capacity	1.3m ³				1.5m ³		
Cab chassis configuration	4x2 - 12,000 - 15,000kg GVM	4x2 - 15,000kg GVM	6x4 - 23,000kg GVM	6x4 - 23,000kg GVM	4x2 - 15,000kg GVM 6x4 - 23,000kg GVM	6x4 - 23,000kg GVM	6x4 - 23,000kg GVM
Wheelbase (Approx)	4,000mm	4,400mm	4,400mm	5,000mm	5,000mm	5,200mm	5,500mm
Body length (Including Hopper)	5,103mm	5,888mm	6,180mm	6,973mm	6,775mm	7,275mm	7,969mm
Body height (Excluding Chassis)	2,198mm				2,615mm		2,777mm
Body width (Overall)	2,496mm						
Body weight	4,050 kg	4,270kg	4,890kg	4,730kg	5,100kg	5,235kg	5,596kg
Body tipping angle	35 - 42 degrees						
Body - raised height (Approx.)	5,500mm	5,950mm	6,100mm	6,450mm	6,350mm	6,750mm	7,350mm
Tailgate opening angle	115 degrees						
Performance							
Payload*	4,000 - 5,000kg	5,000 - 6,000kg	9,000 - 10,000kg	10,000 - 11,000kg	4x2 3,500 - 4,500kg 6x4 8,000 - 9,000kg	9,000 - 10,000kg	9,000 - 10,000kg
Bin lifting capacity	125kg - 180kg						
Bin suitability	60L, 80L, 120L, 140L, 240L & 360L						
Bin lifter reach	3,186mm - 3,796mm						
Bin lifter cycle time (Total)	8 - 12 Seconds**						
Paddle cycle time	10 Seconds						
Operating rpm	800 - 950 rpm - Adjustable						
Compaction density (Refuse)	400 - 500kg/m ³ - Adjustable						
Compaction density (Recycling)	180 - 220kg/m ³ - Adjustable						
Paddle displacement rate	2.8m ³ /minute						
Controls and Hydraulics							
Control system	CANBus control system with 12" Touch screen						
Operator interface	Proportional multi-function joystick with Touch screen and push button controls						
Hydraulic pump	Twin variable displacement pump - 2 x 74L/min						
Maximum system pressure	210 bar						
Hydraulic valving	Proportional hydraulic control valves						
Hydraulic piping	Zinc plated steel piping						
Hydraulic filters	10 Micron 200 Beta filters						
Hydraulic oil tank	140L Plastic Tank with Integrated Cooler						
Material Listing							
Body side sheets	3.2mm Wear Resistant Steel +						
Body floor sheet	3.2mm Wear Resistant Steel +						
Body roof sheet	3mm Grade 350 Steel					3mm Grade 300 Steel	3.2mm Wear Resistant Steel +
Tailgate sheets	3mm Grade 350 Steel						
Hopper bowl floor	8mm Cruesabro 8000						
Hopper bowl sides	8mm Cruesabro 8000						
Hopper walls	4mm Grade 350 Steel						
Paddle	12mm Grade 350 Steel						

* Subject to loading conditions, waste type, fitted options and cab chassis selection

** Cycle includes picking up bin at full reach, emptying into hopper and returning to original position

+ Hardox 450 or Equivalent Material, subject to availability

Productivity specifications: General Waste

Body Size		14m ³	18m ³	20m ³	22m ³	25m ³	29m ³
Cab chassis configuration		4x2	4x2	6x4	6x4	6x4	6x4
Compaction density ^{*1}		400 - 500 kg/m ³ - Adjustable		450 - 500 kg/m ³ - Adjustable	400 - 500 kg/m ³ - Adjustable		
Average Payload ^{*2}		Approx. 4,000 - 5,000kg	Approx. 5,000 - 6,000kg	Approx. 9,000 - 10,000kg	Approx. 10,000 - 11,000kg	Approx. 8,000 - 9,000kg	Approx. 9,000 - 10,000kg
Average number of 120L bins ^{*3}		Approx. 500 bins	Approx. 600 bins	Approx. 1000 bins	Approx. 1100 bins	Approx. 900 bins	Approx. 1000 bins
Maximum bin loading rate ^{*4}		6 bins/minute = 360 bins/hour					
Average bin loading rate ^{*4}		4 bins/minute = 240 bins/hour					
Hopper volume		1.3m ³				1.5m ³	
Hopper clearance rate		6 bins/minute = 360 bins/hour					
Bin lifter operation times ^{*5}	Total bin lifter cycle time	8 - 12 seconds					
	Bin lifter - raise	2.5 - 3.0 seconds					
	Bin lifter - lower	2.5 - 3.0 seconds					
	Bin lifter grab - open	1.2 - 1.5 seconds					
	Bin lifter grab - close	1.2 - 1.5 seconds					
	Bin lifter slide - fully extend	2.8 - 3.2 seconds					
	Bin lifter slide - fully retract	2.7 - 2.9 seconds					
Body operation times ^{*5}	Tailgate - open	20 - 25 seconds					
	Tailgate - close	20 - 25 seconds					
	Body - raise	30 - 35 seconds					
	Body - lower	35 - 40 seconds					
Suitable bin sizes	60L - 360L	Available on all body sizes *6					

KEY:

- *1 - Indicative values only. Subject to loading conditions and waste type
- *2 - Indicative values only. Subject to loading conditions, waste type and cab chassis selection
- *3 - Based on 10kg 120L refuse bin weight. (Average weight obtained from independent market research & may vary in some regions)
- *4 - Data obtained from customer trials
- *5 - Indicative values only. Subject to loading conditions and cab chassis selection
- *6 - Heavy duty bin lifter option recommended for 360L bins

NOTE: Bucher Municipal exercises a program of continual product development, and in this context reserve the right to amend specifications without prior notice

Productivity specifications: Recycle Waste

Body Size		22m ³	25m ³	29m ³	35m ³
Cab chassis configuration		6x4	4x2	6x4	6x4
Compaction density ^{*1}		180 - 220kg/m ³ - adjustable			
Average Payload ^{*2}		Approx. 4,480kg	Approx. 4,000-5000kg	Approx. 5,500 kg	Approx. 6,380kg
Average number of 240L bins ^{*3}		Approx. 605 bins	Approx. 560 bins	Approx. 688 bins	Approx. 798 bins
Maximum bin loading rate ^{*4}		6 bins/minute = 360 bins/hour			
Average bin loading rate ^{*4}		4 bins/minute = 240 bins/hour			
Hopper volume		1.3m ³	1.5m ³		
Hopper clearance rate		8 bins/minute = 480 bins/hour ^{*5}			
Bin lifter operation times ^{*6}	Total bin lifter cycle time	8 - 12 seconds			
	Bin lifter - raise	3.0 - 3.5 seconds			
	Bin lifter - lower	2.5 - 3.0 seconds			
	Bin lifter grab - open	1.2 - 1.5 seconds			
	Bin lifter grab - close	1.2 - 1.5 seconds			
	Bin lifter slide - fully extend	2.8 - 3.2 seconds			
	Bin lifter slide - fully retract	2.7 - 2.9 seconds			
Body operation times ^{*6}	Tailgate - open	20 - 25 seconds			
	Tailgate - close	20 - 25 seconds			
	Body - raise	30 - 35 seconds			
	Body - lower	35 - 40 seconds			
Suitable bin sizes	60L - 360L	Available on all body sizes ^{*7}			

KEY:

- *1 - Indicative values only. Subject to loading conditions and waste type
- *2 - Indicative values only. Subject to loading conditions, waste type and cab chassis selection
- *3 - Based on 8kg 240L commingled waste bin. (Average weight obtained from independent market research & may vary in some regions)
- *4 - Data obtained from SPORT Gen 6 customer trials
- *5 - Double paddle option required
- *6 - Indicative values only. Subject to loading conditions and cab chassis selection
- *7 - Heavy duty bin lifter option recommended for 360L bins

NOTE: Bucher Municipal exercises a program of continual product development, and in this context reserve the right to amend specifications without prior notice