

ZENITH

Refuse Collection Vehicle

Curve Body Series



Established Since 1972



SAFE & RELIABLE

- * Packing Operation stops at end of each compaction cycle
- * Easy access to working components

ROBUST & AESTHETIC DESIGN

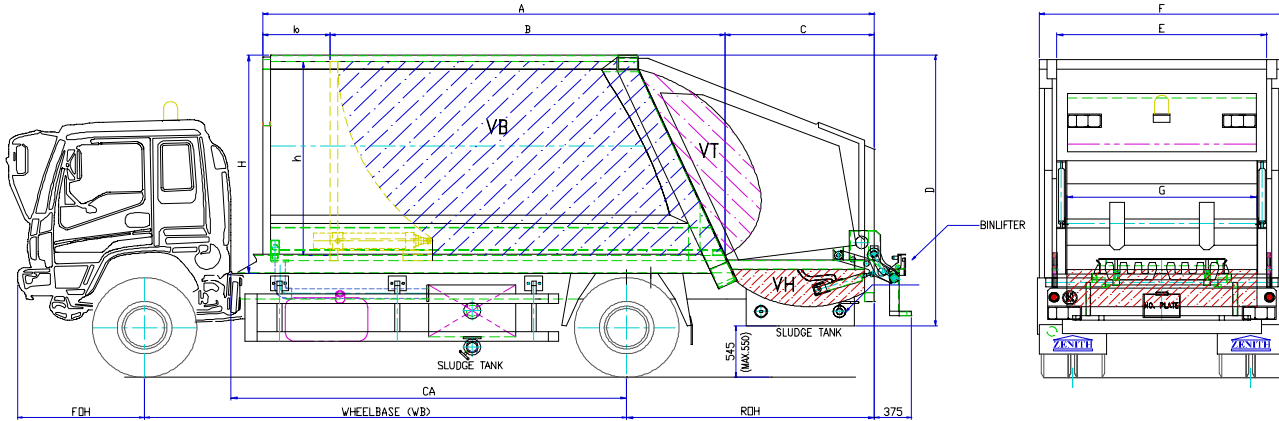
- * Use of harden & corrosion resistant steel
- * Curve body allows undistorted display of logo & texts

EFFICIENT COMPACTION MECHANISM

- * Packer & Carrier plates on curve track increases body volume
- * Partial retraction of ejector plate improves compaction ratio

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Above drawing shows a 4 X 2 chassis for illustration purpose, a 6 X 4 chassis is applicable for GVW above 20 MT (WB is 1st to mid of 2nd&3rd axle) and 8 X 4 chassis is applicable for GVW above 30MT (WB is mid of 1&2 to mid of 3&4 axle).

CurveBodySeries (CBS)		1205	1507	1708	1809	1910	2412	2613	3216
Dimensions (mm) (Tolerance +/- 3%)									
Overall Length	A	5,323	5,323	5,323	5,565	5,806	6,780	7,470	8,490
Overall Width	F	2,050	2,300	2,450	2,450	2,450	2,450	2,450	2,450
Overall Height	D	2,400	2,400	2,550	2,550	2,550	2,550	2,550	2,550
Body Height	H	1,980	1,980	2,130	2,130	2,130	2,130	2,130	2,130
Inside Body Width	E	1,850	2,100	2,250	2,250	2,250	2,250	2,250	2,250
Inside Body Height	h	1,750	1,750	1,900	1,900	1,900	1,900	1,900	1,900
Hopper's inside Width	G	1,680	1,930	2,080	2,080	2,080	2,080	2,080	2,080
Rear Overhang* (1)	ROH	2,550	2,550	2,550	2,700	2,700	2,950	2,950	2,950
Min Wheelbase*(2)	WB	4,250	4,250	4,250	4,450	4,550	4,650	4,800	5,100
Cab to Axle	CA	3,200	3,200	3,200	3,355	3,515	3,665	4,113	4,360
Effective Body Length	B	3,548	3,548	3,548	4,115	4,515	4,915	5,263	6,870
Dummy length (to comply with max 60% ROH)	b	352	352	352	NA	NA	NA	NA	NA
Tailgate Length	C	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500

Above dimensions based on Spring Suspension, Chassis fitted with air-suspension allows for shorter lengths.

for 4 x 2 chassis with 16MT GVW and below, recommended tyre size is 10.00 x 20 and additional 2 x leaf-springs for each side of suspension.

* (1) Different countries have different ROH requirements (S'pore & M'sia allows max 60% of WB, HK is 65% but REL is exempted)

* (2) Important dimensions to determine suitable chassis length are the Cab-to-Axle (CA) & Wheelbase (WB) distance.

Minimum WB is also needed to maintain front-wheel traction, especially for the 4x2 configuration.

Volume (M3) (Tolerance +/- 3%)

Body Volume	VB	9.50	11.00	12.20	14.20	16.50	18.00	20.00	26.00
Tailgate Volume	VT	0.78	0.89	0.95	0.95	0.95	0.95	0.95	0.95
Total Volume		10.28	11.89	13.15	15.15	17.45	18.95	20.95	26.95

Characteristics (kg) (Tolerance +/- 3%)

Body & Tailgate Weight		3,800	4,100	4,400	4,600	4,800	5,200	5,600	6,200
Optional Zenith Comb Binlifter wt		approx 350 kg (suitable for either 120 to 660ltr or 240 to 1100ltr MGB DIN bins)							
Optional Zoeller Comb Binlifter wt		between 350kg to 800kg, depending on models							
REL Max Payload (actual payload dependent on chassis GVW)		5,000	7,000	8,000	9,000	10,000	12,000	14,000	17,000
Recommended min GVW		12,500	16,000	17,000	18,500	20,000	24,000	27,000	32,000
Approx Chassis Weight		3,800	4,000	4,500	5,300	5,500	7,300	7,700	8,900
Compaction Cycle Duration	Secs	23 to 28 secs (based on engine rev of 1,100 to 1,350 RPM and PTO ratio 0.8)							
Operating Pressure	bar	160	175	175	175	175	175	175	175

Notes :

1) The 1st two numerals of the model numbers represent the vehicle GVW and the next 2 numerals represent the maximum payload. A lower GVW would result in lower payload.

2) Chassis of 4 x 2 configurations are recommended to add extra leaf-springs to rear-axle (see detail in Chassis requirements)

Note : Due to the need for continuous improvement, the above specifications are subject to change without the need for any prior notice.

All above data for unladen vehicle excluding the Bin Lifter