

Powell Duffryn Dumpmaster



the self-compacting Dumpmaster front-end loading collector.

The **Dumpmaster DB27DP40** is a high capacity collection vehicle suitable for mounting onto most commercial vehicle chassis in the 24 ton range. Within the 27 cubic yard capacity body is a combined compactor/ejector blade actuated by a multi stage hydraulic cylinder which will effectively increase the capacity of the unit by up to three times its swept volume.

The Dumpmaster is loaded by a pair of arms mounted at the front of the body, contoured to reach over the cab and engage in the sleeve on the side of each container. The arms will lift the container and discharge its contents through an aperture in the body roof, and then return the container to its original position. The container, therefore, need never leave the site. The operation, carried out by the driver from his cab, takes less than two minutes.

The compactor blade is operated after each container has been discharged into the body and the loading and compacting is continued until the body is full. Journeys from one container to the next are carried out at normal road speed.

When the Dumpmaster will accept no more refuse it is driven to a disposal site where the driver unlocks the top hinged rear door and by operating the hydraulic controls in his cab, ejects the load without the need to tip.

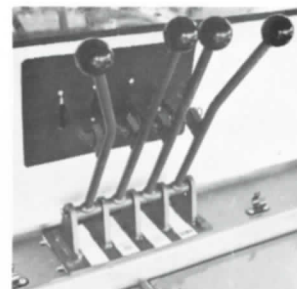
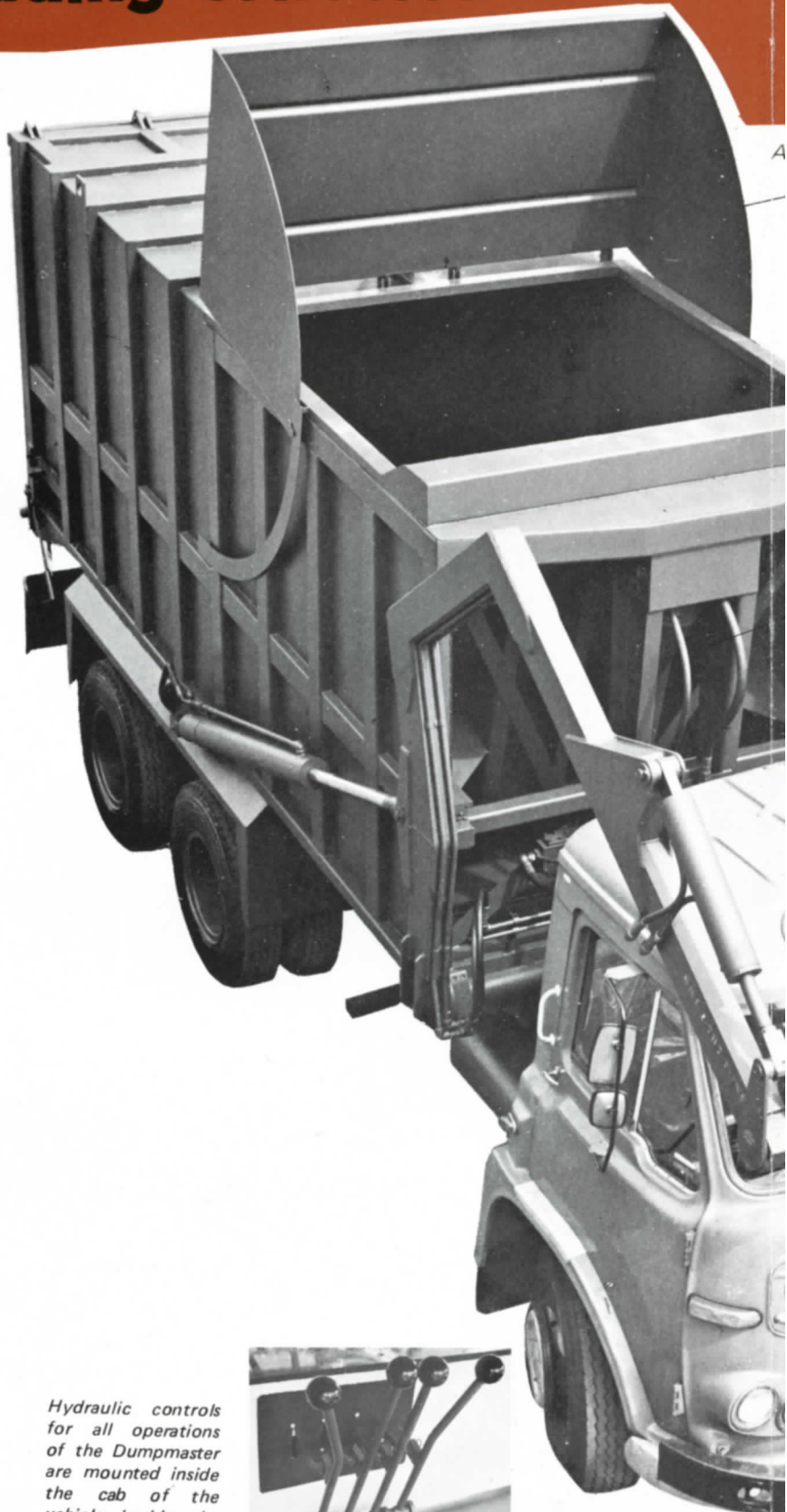
One man operation

Built in compaction

Self loading

Normal road speed — all add up to high economy.

A range of five different capacities of containers are available to suit any application.



Hydraulic controls for all operations of the Dumpmaster are mounted inside the cab of the vehicle beside the driver.



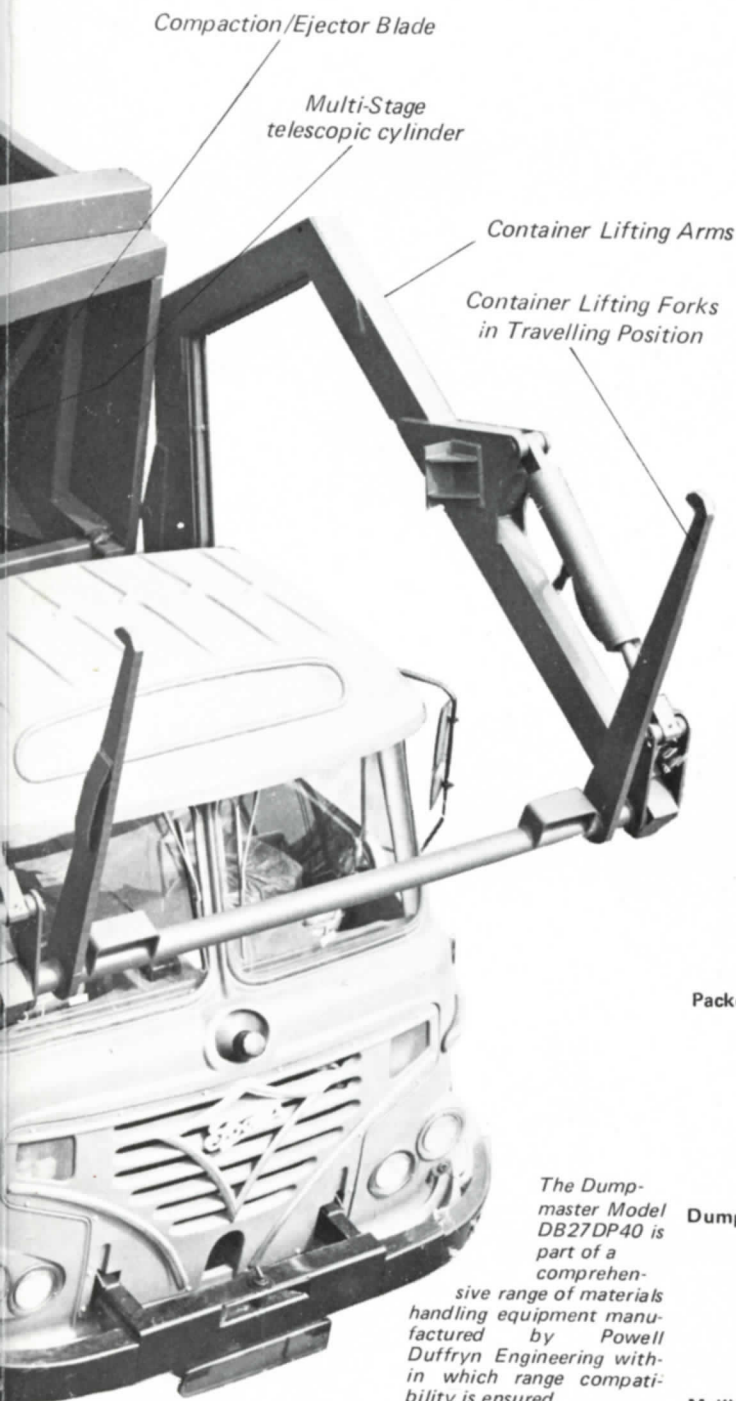
The Dumpmaster DB270B40 loading sequence

The arms of the unit are lowered and the forks are extended to the horizontal position and the unit is driven forward until the forks are fully engaged in the sleeves on either side of the container.



The anti-scatter guard is opened and the lifting sequence commenced.

Anti-Scatter guard in open position



Lifting continues until the container is above the cab and Dumpmaster body.



When the container is above the loading aperture, by selecting the correct control lever the container is inverted and its contents discharged into the Dumpmaster body.

Packers

Transfer Stations

Dumpster

Dinosaur

Meiller

Rolonof

The Dumpmaster Model DB27DP40 is part of a comprehensive range of materials handling equipment manufactured by Powell Duffryn Engineering within which range compatibility is ensured.



A	Wheelbase
B	Standing height of unit
C	Travelling height of unit
D	Headroom required for tipping Container
E	Overall Travelling length
F	Length of Loading aperture
G	Width of Loading aperture

Unit Weight. 6.35tons (6.45tonnes)
Lifting Capacity of Arms. 4000lbs (1814.4kgs).

A Preferred Wheelbase—16'0"—192"—4.87m but see Powell Duffryn Engineering specification for necessary detail of individual make and model of chassis (SCANIA and VOLVO Inner axle spread and FODEN Outer axle spread is used as wheelbase)

B Standing Height of Unit. 12'2.25" (3714.75mm) based on 40" (1016mm) chassis height.

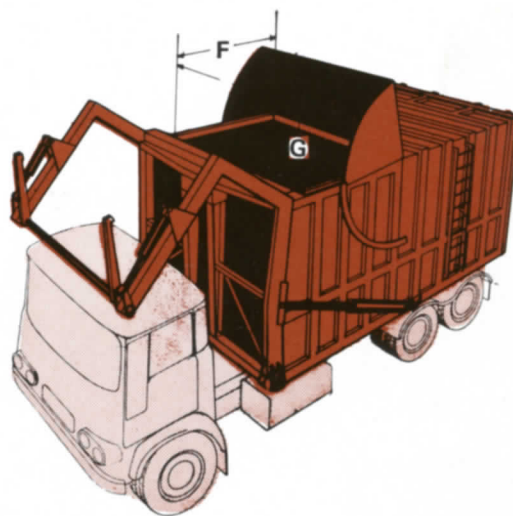
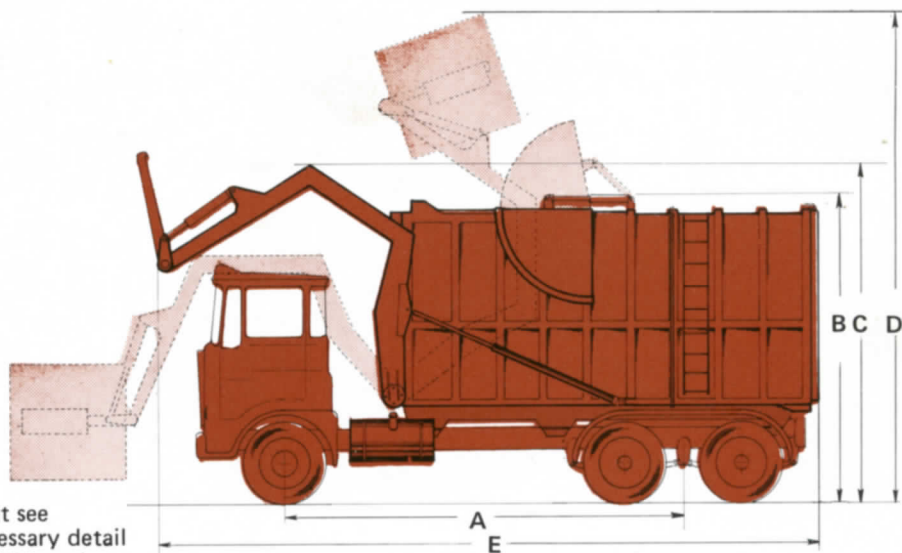
C Travelling Height of Unit. From 12'5" (3784mm) to 13'7" (4140mm). Actual height is governed by the configuration of the lifting arms which are all contoured to fit differing designs of vehicle cabs.

D Headroom required for Tipping Dumpmaster Containers. 18'6" (5638mm) based on 40" (1016mm) chassis height.

E Overall Travelling Length. From 28'7" (8712mm) to 29'4" (8940mm) depending on make and model onto which chassis Dumpmaster is mounted.

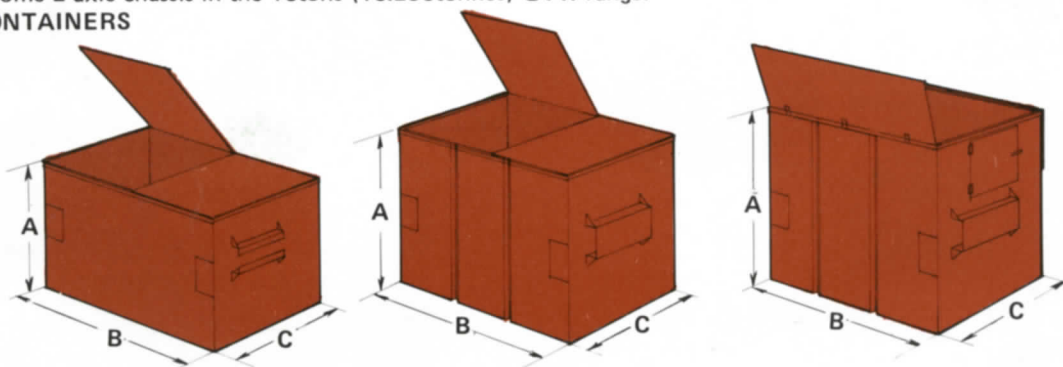
F Length of Loading aperture 6' 8" (2032mm)

G Width of Loading aperture 6' 4.5" (1943mm).



The DUMPMASTER MODEL DB27DP40 with arms is suitable for mounting to most 3 axle chassis in the 24tons.(24.385tonnes) GVW range and some 2 axle chassis in the 16tons (16.256tonnes) GVW range.

DUMPMASTER CONTAINERS



Dimensions

ML Type Low construction Dumpmaster Container with Twin Lids.

MLR Type Low construction Dumpmaster Container with Twin Lids and Retaining Bars.

MU Type Universal Dumpmaster Container with Twin Lids and side doors.

		CAPACITY						WEIGHT		
Type	c.yds.	m ³	A	B	C		lbs	kgs		
ML6	2	1.53	40.25"	1022mm	65.5"	1664mm	36"	914mm	487	221
MLR3	3	2.3	48"	1219mm	70.375"	1788mm	42"	1067mm	763	346
MLR4	4	3.0	48"	1219mm	70.375"	1788mm	54"	1372mm	894	406
MU5	5	3.82	60.125"	1527mm	70.375"	1788mm	54"	1372mm	982	445
MU6	6	4.6	72.125"	1832mm	72"	1829mm	54"	1372mm	1025	465

All the above containers can be manufactured for fitting 6" dia (152mm) cast iron castors, which can be supplied as an extra.

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