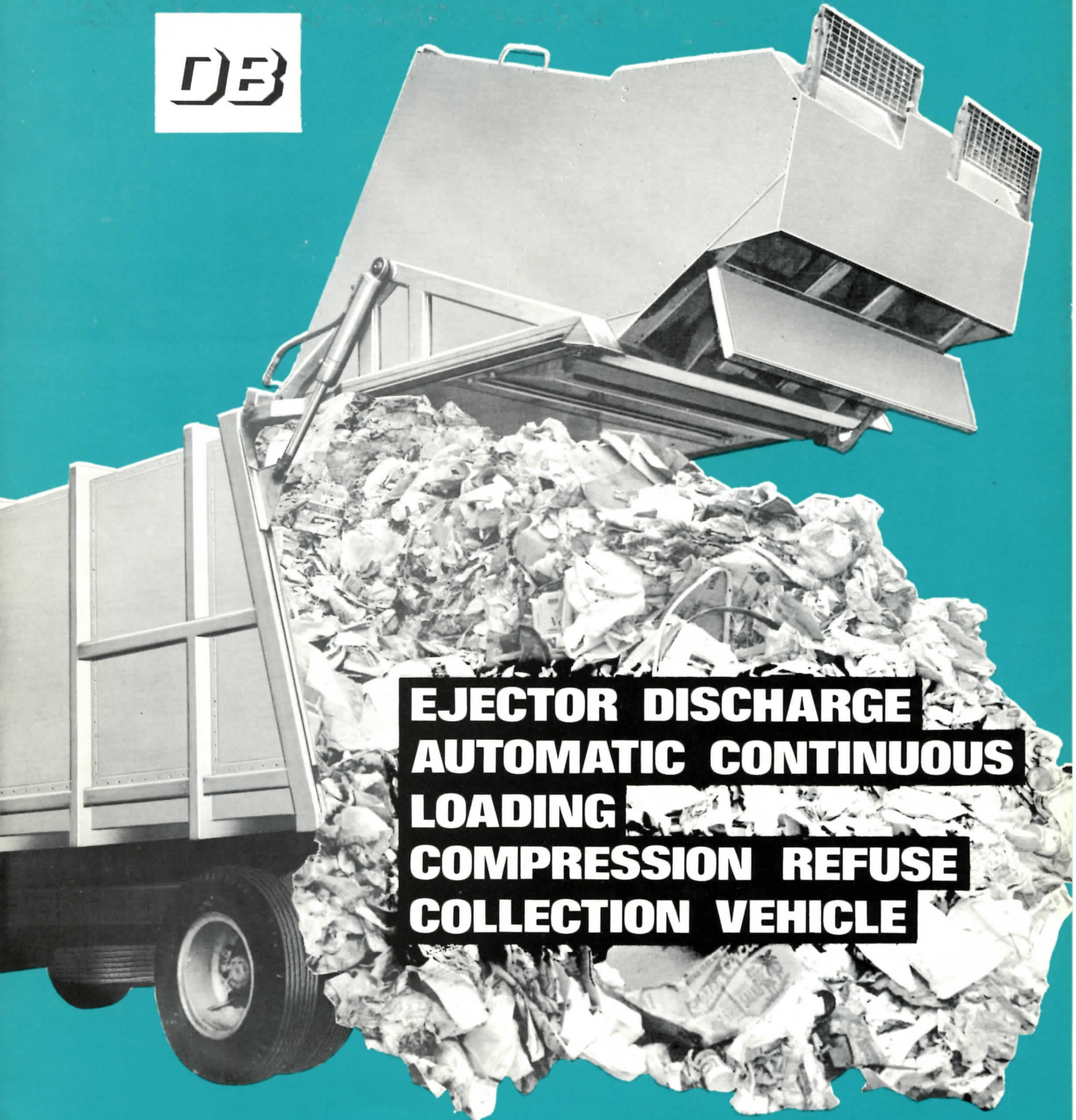


# PAXIT 70

**DB**



**EJECTOR DISCHARGE  
AUTOMATIC CONTINUOUS  
LOADING  
COMPRESSION REFUSE  
COLLECTION VEHICLE**

**DENNIS**

# WHY

*did we send you a market research questionnaire on refuse collection vehicles?*

## you asked for...

Bigger load capacity within the same overall dimensions

A vehicle able to deal equally well with:

Light and bulky refuse

Refuse sacks

Ordinary household bins

Bulk containers

Dustfree loading

Fast trouble-free discharge (horizontal ejection)

Reliability and durability (guaranteed)

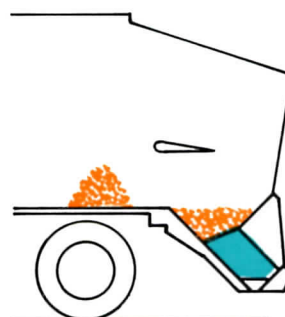
Easy and speedy loading — established by work study methods

Compliance with all known or likely future Construction and Use regulations

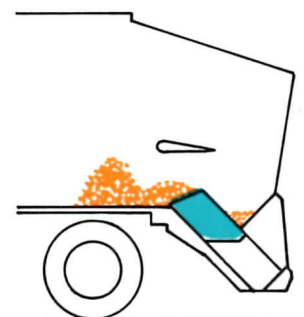
Efficient after sales service

## ...here are the answers all built-in to the PAXIT 70

**method of  
continuous  
compression loading**



1. Loading

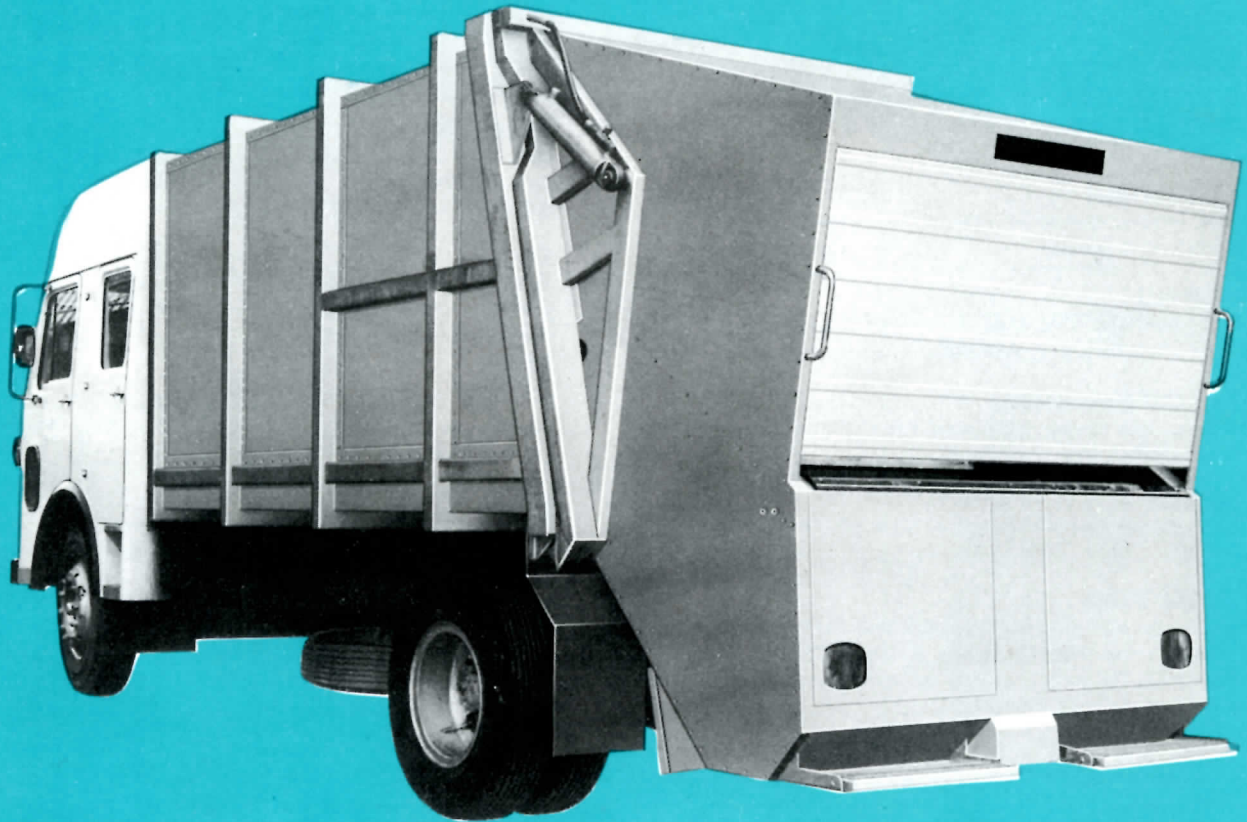


2. Drawer moves refuse forward



# DENNIS

## TWO-STAGE AUTOMATIC CONTINUOUS LOADER WITH DUAL CRUSHING ACTION

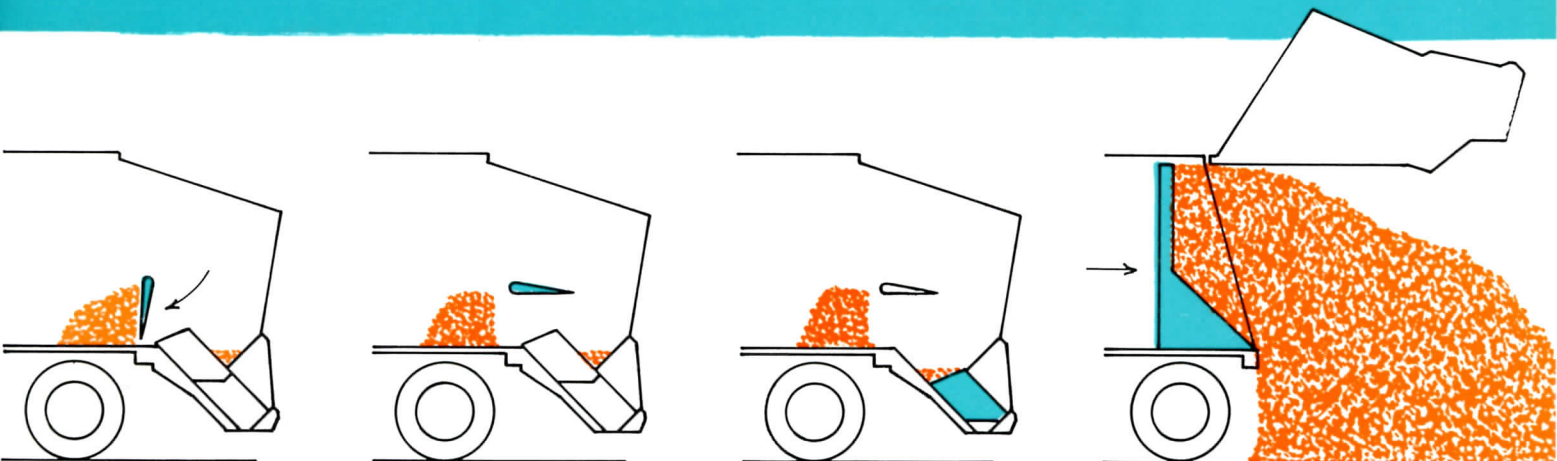


This is the loading system which not only handles bulky refuse at speed but gives uniform density of load throughout the body

*Be sure that the refuse collection vehicle which you choose will handle lower density refuse five years from now*

The ejector discharge is the logical evolution for clean emptying of the body when high density payloads become possible with the Dennis dual crushing mechanism

*Ejector discharge gives you safety on the tip—helps prevent your vehicle becoming bogged down*



3. Compression plate compacts refuse in body

4. Compression plate returns

5. Draw returns - cycle complete

LOAD DISCHARGE

# SPECIFICATION

## CHASSIS

### ENGINE

Perkins 6.354, 6-cylinder diesel, 120 b.h.p. at 2,800 r.p.m.

### CLUTCH

14 in. diameter single dry plate, heavy duty unit for stop/start work. Total lining area 182.5 sq. in. (1,177 sq. cm.).

### GEARBOX

A heavy duty constant mesh 5-speed ratio unit of Dennis design and manufacture. Ratios 1:1, 1.331:1, 2.057:1, 3.618:1, 7.138:1, Reverse 7.054:1.

### PROPELLER SHAFT

Fully balanced with needle roller bearing universal joints and flexibly mounted centre bearing.

### FRONT AXLE

'I' section alloy steel beam. Wheel loads taken through heavy duty swivel pin, and P.T.F.E. faced pads.

### REAR AXLE (10 ton capacity)

A robust fully floating spiral bevel unit of Dennis design and manufacture. Ratio 7.17:1.

### FUEL TANK

18 in. diameter fuel tank capacity of 30 gallons. An electric fuel gauge is fitted.

### BRAKING SYSTEM

Full air operation using diaphragm type brake chambers coupled to cam operated brakes. Front brakes 15½ in. x 5 in. (38.1 cm. x 12.7 cm.). Rear brakes 15½ in. x 7 in. (38.1 cm. x 17.8 cm.). Total brake lining area 725 sq. in. (4,677.5 sq. cm.).

### SERVICE BRAKE

Footbrake system with diaphragm actuators operating simultaneously on all axles.

### SECONDARY

Handbrake, lever operated, providing air assisted braking on rear axle.

### PARKING BRAKE

Handbrake by cable through cam levers on rear axle.

### FRAME

The frame is constructed from channel section pressed steel side-members ¼ in. x 2½ in. x 9 in. (.634 cm. x 6.3 cm. x 22.9 cm.). Crossmembers are of channel section for strength, fitted by high tensile bolts. Reinforcing strips fitted to top and bottom flanges. Front tow loops are provided.

### SUSPENSION

Semi-elliptical leaf springs front and rear, with helper springs on rear; front shock absorbers fitted as standard.

### STEERING

Recirculatory ball type steering box. A 20 inch (508 mm.) diameter 3-spoke steering wheel is fitted. Ratio (in centre position) 26.8:1; lock to lock 6½ turns.

### WHEELS AND TYRES

Pressed steel disc wheels for 10 stud fixing. Single front, twin rear and spare. Optional 10.00 x 20 tyres.

### COOLING SYSTEM

Pressurised system with 5 row flat tube radiator, water pump circulation controlled by thermostat and by-pass. External filler cap. Heater demister fitted as standard.

## ELECTRICAL AND ACCESSORIES

12-volt A.C. negative earth return system. Panel on fascia fitted with:— 4¼ in. (12.06 cm.) diameter, 80 m.p.h. (128.74 km/hr.) speedometer, two air gauges, fuel gauge, 'no charge' warning light, oil pressure warning light, key operated starter switch and screen washers. Alternator standard to ensure low engine speed charging.

On steering column; switches for head, side and tail lamps, head lamp dip switch, horn switch button and direction indicators switch.

Four head lamp system, front and rear flashing direction indicators. Battery capacity 110 ampere/hour at 10 hour rate.

## AVAILABLE EXTRAS

Spare wheel carrier, automatic chassis lubrication, rear shock absorbers, sun visors, fog lamp, fire extinguisher and first aid kit, hand washing unit, towing attachment for salvage trailer. Power assisted steering.

## CAB

Three door crew cab constructed of glass fibre reinforced plastic incorporating one-piece windscreen and salvage well in roof. Seating for 5 or 6 men in addition to driver.

## BODY

All welded framework fabricated from steel sections, floor panels of corrosion and abrasion resistant steel, panelling in heat treated aluminium alloy.

## LOADING HOPPER

All welded framework fabricated from steel sections, floor and side panels to match bodywork. Unit attached to body by substantial pivot pins. Hopper raised hydraulically for load discharge by ejection plate operated by hydraulic ram.

The two stage continuous loading mechanism is actuated by double acting hydraulic rams synchronised by a spool valve. This system is protected by an over-riding relief valve. Emergency stop start control at tailboard is provided.

## SALVAGE SPACE

When bulk bin hoist, or dustless shutter equipment is not fitted additional space for salvage is available in the hopper roof.

## HYDRAULICS

Power for all hydraulic operations is supplied by a gear type hydraulic pump. A 35 gallon supply tank is mounted in the body, and is fitted with a filter and sight gauge. Controls for all operations are located in the cab within easy reach of the driver.

## EXTRAS

Bulk bin hoist equipment. Dustless shutters for use with hinged lid dust bins (see separate leaflets).

## TECHNICAL DATA

Wheelbase	14' 5"	4374 mm.
Overall length	24' 10¼"	7588 mm.
Overall width	7' 9"	2361 mm.
Overall height	10' 1¾"	3092 mm.
Turning circle (diameter) approx.	57' 6"	17526 mm.
Rear overhang (body closed)	6' 4"	1930 mm.
Rear overhang (body open)	11' 6"	3505 mm.
Overall height (body open)	15' 4"	4673 mm.
Tyre size (standard)	9.00 x 20 14 ply	
Tyre size (optional)	10.00 x 20 12 ply	
Unladen registration weight (approx.)	7 ton, 10 cwt.	7620 kg.
Plated G.V.W.	Front axle	5 ton 5080 kg.
	Rear axle	10 ton, 10160 kg.
	Gross	15 ton, 15240 kg.

WE RESERVE THE RIGHT TO AMEND THE DATA GIVEN IN THIS PUBLICATION WITHOUT NOTICE



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Telephone: 5291 Telex: 85211 Publication No. NS.1155 Code No. K1068/15-2d