

DENNIS



**“Automatic
loading
compression
type refuse-
collector”**

(With ejection discharge)

Paxit 50/70.

PAXIT 50 AND PAXIT 70

The Paxit 50 and Paxit 70 are two of the most advanced and well-engineered refuse-collection vehicles available today. As refuse is expected to reduce in density in the coming years, these two refuse collectors are ideal for replacing tipper vehicles as they carry a much greater bulk of refuse within the same overall dimensions as tippers.

Loading and compacting are achieved with two separate mechanisms synchronised with each other. They use ejector discharge which means clean, speedier emptying and much more stability on the tip. Add Dennis guaranteed reliability, durability and the really efficient Dennis 24-hour service.

It all makes for fast and safe working with great efficiency. Consider the economies a fleet of these vehicles would make in your operational budget!

Ask us to arrange a full demonstration of the Paxit 50 or the Paxit 70 (the Paxit 50 has all the advanced features of the 70 but a smaller load capacity) on a collection round in your area.

SPECIAL FEATURES

Ejection discharge – with greater stability on tip.

High pay-load.

Corrosion resistant design.

Larger capacity hopper (40% more than the Paxit IIIC).

20% bigger pay-load in same size body.

Two-stage compression mechanism.

Bin loading – manual, dustless and bulk bin.

Non-corrosive, fire resistant, G.R.P. cab.

Dennis custom produced chassis and body.



DIMENSIONS & WEIGHTS

Item	Paxit 50 (Crew Cab)	Paxit 70 (Crew Cab)
Wheelbase	3759 mm (12'4")	4394 mm (14'5")
Overall length	7138 mm (23'5")	7772 mm (25'6")
Overall width	2400 mm (7'10½")	2400 mm (7'10½")
Overall height	3455 mm (11'4")	3455 mm (11'4")
Turning circle (approx.)	14.6 m (48')	17.6 m (58')
Rear overhang (closed)	2083 mm (6'10")	2083 mm (6'10")
Rear overhang (open)	3505 mm (11'6")	3505 mm (11'6")
Overall height (open)	4724 mm (15'6")	4724 mm (15'6")
Tyre size (standard)	10.00 x 20 (16 ply)	10.00 x 20 (16 ply)
Unladen registration weight	8230 kg (8 tons 2 cwt)	8440 kg (8 tons 6 cwt)
Front axle (Plating weight)	5090 kg (5 tons)	5590 kg (5½ tons)
Rear axle (Plating weight)	10170 kg (10 tons)	10170 kg (10 tons)
Gross (Plating weight)	15240 kg (15 tons)	15750 kg (15½ tons)
Height of loading rail	1410 mm (4'7½")	1410 mm (4'7½")



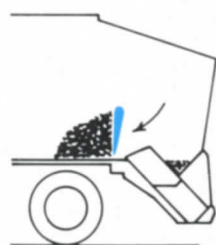
Loading.

1



Drawer moves refuse forward.

2



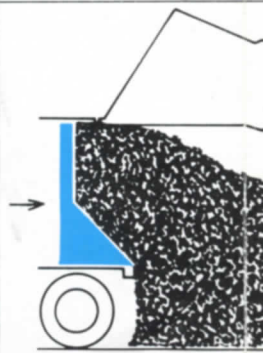
Compression plate returns.

4



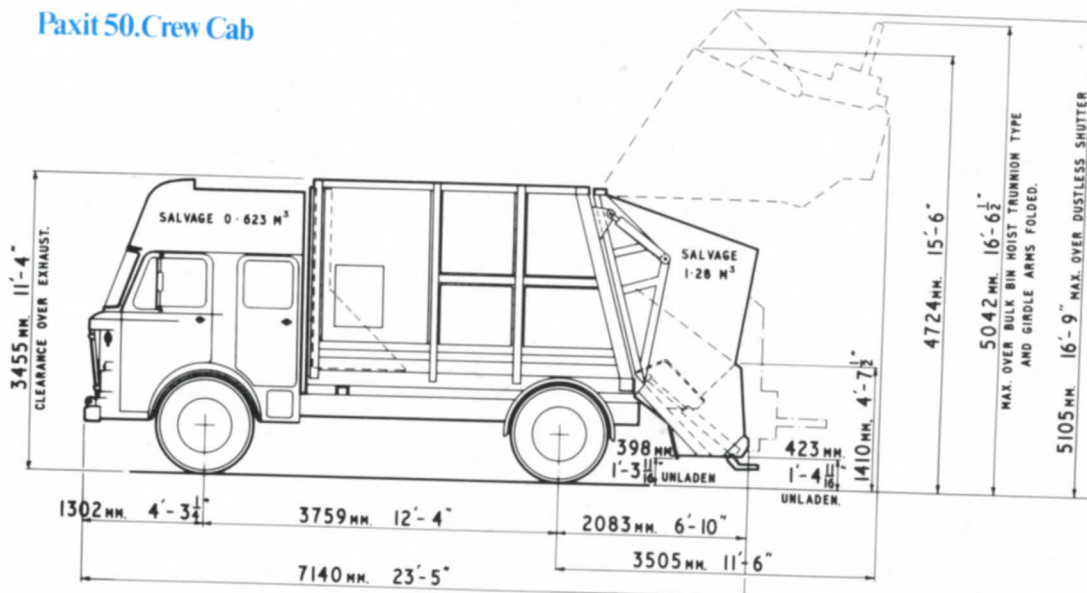
Drawer returns cycle complete.

5





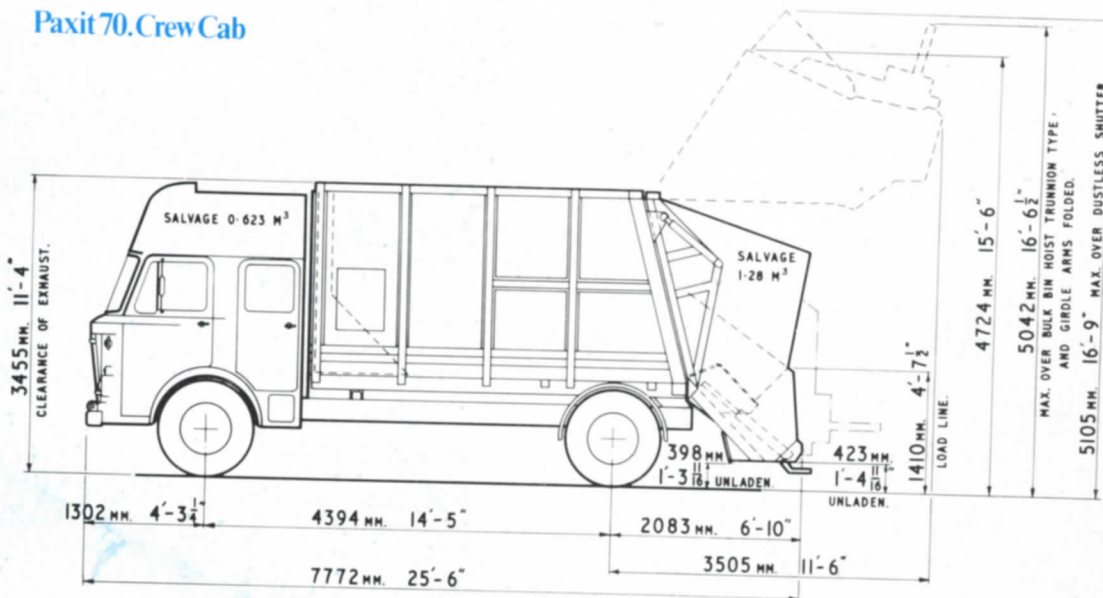
Paxit 50.Crew Cab



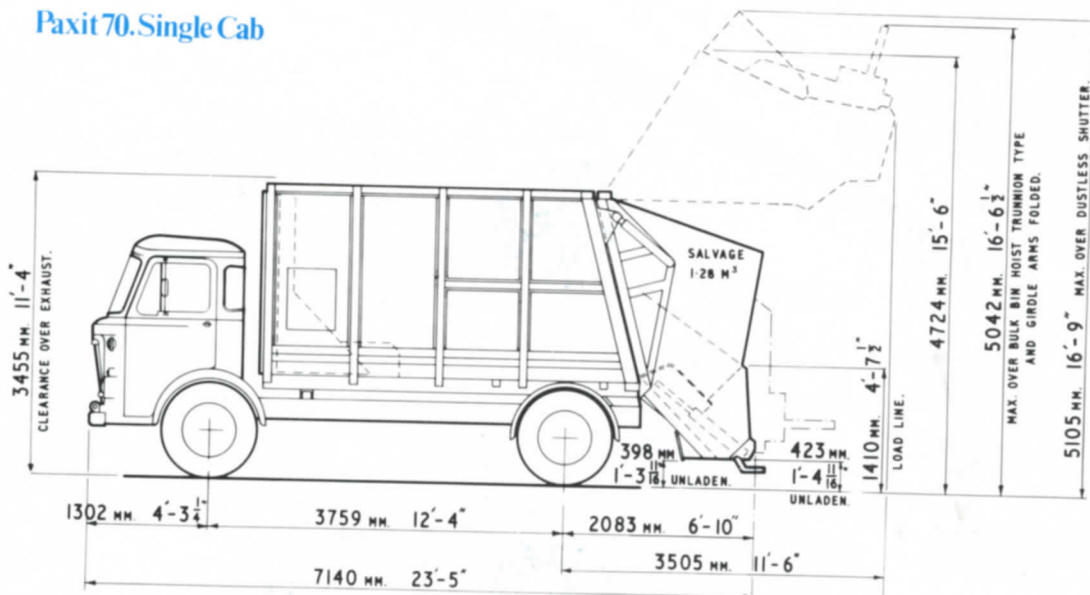
Paxit 70 (Single Cab)

- 3759 mm (12'4")
- 7138 mm (23'5")
- 2400 mm (7'10 1/2")
- 3455 mm (11'4")
- 14.6 m (48')
- 2083 mm (6'10")
- 3505 mm (11'6")
- 4724 mm (15'6")
- 10.00 x 20 (16 ply)
- 8280 kg (8 tons 3 cwt)
- 5590 kg (5 1/2 tons)
- 10170 kg (10 tons)
- 15750 kg (15 1/2 tons)
- 1410 mm (4'7 1/2")

Paxit 70.Crew Cab



Paxit 70.Single Cab



compression plate
compacts refuse in
body.

3

6

Load discharge.

Specification

Chassis

Engine

Perkins 6.354, 6-cylinder diesel, 120 b.p.h. at 2,800 r.p.m. or Leyland 6.98 series.

Clutch

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

Gearbox

A heavy duty constant mesh 5-speed ratio unit type EYT 542 CMJ. Ratios 1:1, 1.55:1, 2.633:1, 4.505:1, 8.19:1. Reverse 7.832:1.

Propeller Shaft

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

Front Axle

5590 kg. (5.5 tons) capacity forged 'I' section alloy steel beam with low friction swivel thrust bearings.

Rear Axle

10170 kg (10 tons) capacity. Single speed spiral bevel unit. Ratio 6.14:1.

Fuel Tank

45.7 cm. (18 in.) diameter fuel tank capacity of 136 litre (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 38.1 cm. x 12.7 cm. (15½ in. x 5 in.). Rear brakes 38.1 cm. x 17.8 cm. (15½ in. x 7 in.). Total brake lining area 4,677.5 sq. cm. (725 sq. in.).

Service Brake

Footbrake system with diaphragm actuators operating simultaneously on all brakes.

Secondary

Lever operated, providing air assisted braking rear axle.

Parking Brake

By lock actuators through cam levers on rear axle.

Frame

The frame is constructed from channel section pressed steel sidemembers .634 cm. x 6.3 cm.

x 22.9 cm. (¾ in. x 2½ in. x 9 in.). 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

Power assisted steering standard on Paxit 70. Recirculatory ball type steering box. A 508 mm. (20 in.) diameter 3-spoke steering wheel is fitted, lock to lock 4½ turns approx. on Paxit 70. 6½ turns on Paxit 50. Power assisted steering optional extra on Paxit 50.

Wheels and Tyres

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

Cooling System

Pressurised system with 4 row flat tube radiator, water pump circulation controlled by thermostat and by-pass. External filler cap. Heater demister fitted as standard.

Electrical

12-volt A.C. negative earth return system. Panel on fascia fitted with:- 12.06 cm. (4¾ in.) diameter, 128.74 km/hr. (80 m.p.h.) 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. Twin 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. Body service light. Hopper loading light. Dual mate's seat with single cab. Power assisted steering on Paxit 50. Bulk bin hoist equipment. Dustless shutters for use with hinged lid dust bins (see separate leaflet).

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. Single two door cab alternative on Paxit 70.

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 159 litre (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.

DENNIS

Keeping Britain Tidy

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