

# The Dennis Alleycat.

## Designed to work where others won't



Everyone concerned with the economical management of refuse collection services knows the problems presented by narrow lanes and alleys, courtyards, mews and service roads in town and country alike.

Where rounds are long and the volume for collection low, modern high capacity vehicles are simply too costly. And in places where access is severely restricted



and vehicles can manoeuvre at best only with extreme difficulty, work is always slow.

Hestair Dennis Limited now offer a highly cost-effective solution to problems such as these in the shape of the Alleycat — a vehicle specifically designed to negotiate congested and restricted environments.

With narrow body and short wheelbase the Alleycat offers superb manoeuvrability.

Because the Alleycat has a custom-built Dennis chassis, the complete vehicle has a number of advantages.

It has a high legal payload and, with a surprisingly wide hopper, can be loaded very quickly. Discharge is by tipping.

The Alleycat is built for durability, with welded steel underframe and aluminium body panelling. Metal sprayed parts are used to guard against corrosion, and floor panels are of abrasion and corrosion resistant steel.

Why not ask for a demonstration of the remarkable Alleycat — designed to work well where others won't.



#### DIMENSIONS AND WEIGHTS

Wheelbase	8 ft. 0 in. (2438 mm) and 9 ft. 9 in. (2971 mm).
Overall Length	20 ft. 4 in. (6196 mm) and 22 ft. 1 in. (6730 mm).
Overall Width	6 ft. 6 in. (1981 mm).
Overall Height (Unladen)	9 ft. 3 in. (2819 mm).
Unladen Weight	5 tons 3 cwt. (5233 kg.) — Single Cab 5 tons 6 cwt. (5385 kg.) — Crew Cab.
Turning Circle	38 ft. 0 in. swept circle 8 ft. 0 in. WB. 45 ft. 0 in. swept circle 9 ft. 9 in. WB.
Plating Weights (Municipal tyre rating)	Front Axle 3 tons (3048 kgs.) Rear Axle 6 tons (6096 kgs.) Gross 9 tons (9144 kgs.)
Body Capacity	20/22 yd <sup>3</sup> (15.3/16.8 m <sup>3</sup> ) (compressed).
Payload	Up to 3.5 tons/3556 kgs.

# The Dennis Alleycat Specification.

## ENGINE

Perkins 4.236 4 cylinder diesel engine with distributor type fuel injection pump and mechanical governor. Bore 3.875 in. (98.4 mm). Stroke 5 in. (127 mm). Swept Volume 236 in<sup>3</sup> (3.86 litres). Maximum b.h.p. 80 at 2800 rev/min. Maximum Torque 192 lbf ft (26.5 kgf m) at 1275 rev/min.

## GEARBOX

5 speed constant mesh gearbox EYT. Ratios:— 1:1, 1.47:1, 2.24:1, 3.78:1 and 6.92:1. Reverse 6.86:1.

## TRANSMISSION

### CLUTCH

14 in. diameter (356 mm) single dry plate, total lining area 182.5 sq.in<sup>2</sup> (1,177 cm<sup>2</sup>)

## PROPELLER SHAFT

Single shaft with needle roller bearing universal joints.

## BRAKES

Air hydraulic operation split front and rear using tandem actuation. Hydraulically operated brakes on both axles of 15¼ in. dia. (387.4 mm) × 5 in. (127 mm) all round. Total brake lining area 596 in<sup>2</sup> (3,850 cm<sup>2</sup>):

**SERVICE BRAKE** Footbrake operating simultaneously on both axles.

**SECONDARY BRAKE** Air-spring actuator on rear axle.

**PARKING BRAKE** Air-spring actuator on rear axle.

## FRAME

Channel section pressed steel sidemembers ¼ in. × 2½ in. × 8<sup>7</sup>/<sub>16</sub> in. (6.34 mm × 63 mm × 204.8 mm). Crossmembers generally of channel section bolted to sidemembers. Reinforced top and bottom flanges between axles. Front tow loops.

## SUSPENSION

### FRONT

Semi-elliptic leaf springs 45 in. (1143 mm) long 2½ in. (63.5 mm) wide, 3.094 in. (78.6 mm) thick, 9 leaves. Telescopic dampers.

### REAR

Semi-elliptic leaf springs 48 in. (1219 mm) long, 2½ in. (63.5 mm) wide, 4.685 in. (119 mm) thick. 10 leaves.

### FRONT AXLE

4 tons (8960 lbs. 4064 kgs.) 'I' section alloy steel beam.

### REAR AXLE

6 tons (6120 kgs.) Single spiral bevel drive with robust differential gear. Axle 6.14:1.

## WHEELS AND TYRES

Three piece wheels rim size 7.00 × 20 × 12 ply. Single front, twin rear.

## STEERING

Right hand control, 17 in. (432 mm) diameter, three spoked steering wheel on recirculatory ball type steering box. Ratio (in centre position) 26.8:1, lock to lock 6¾ turns approx.

## FUEL TANK

15 gallons (68.2 litres), 18 in. (457.2 mm) diameter.

## CAB

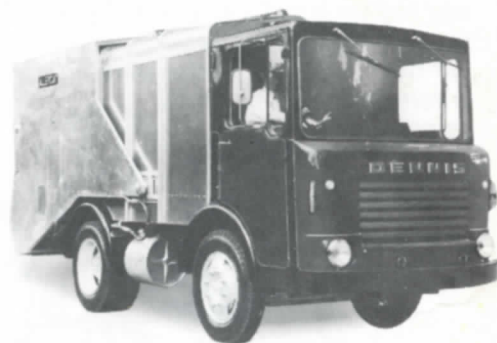
Steel framed cab with steel and G.R.P. panels. Curved one piece toughened glass windscreen 68.5 in. wide × 27.562 in. deep (1740 mm × 700 mm) Twin windscreen wipers, winding drop windows in doors, remote control inner door handles, push button exterior handles and anti-burst locks.

## ELECTRICAL

12 volt D.C. negative earth return system with alternator on engine. Panel on fascia fitted with 4¾ in. (120.6 mm) diameter, 70 mile/h (112 km/h) speedometer with mileage recorder, two air gauges, fuel gauge, 'no charge' warning light, oil pressure warning light, key operated starter switch which covers heat start as well. Heater and demister. Windscreen washer. On steering column:— Switches for head, side and tail lamps, head lamp dip switch, horn button and direction indicator switch. Two headlamps mounted in front panel, flashing indicators. Battery capacity 110 ampere/hour at 10 hour rating.

## OPTIONAL EXTRAS

Allison Automatic Transmission AT540, Tecalemit Automatic Chassis Lubrication System, First Aid Kit & Fire Extinguisher, Teal Hand Washing Unit, Twin Sun Visors, tailgate Top Marker Lights, Trailer Towing Attachment and Light Socket, Body Service Light, Reversing Lights, Hazard Warning Lights, Twin Fog Lamps, Rear Lever Type Dampers, Sack Rack (inside hopper), Bonnet Muff, Seat Belts (single seats only), On/Off Road Tyres, Radial Tyres, Body Prop, Hydraulic Jack (for Tool Kit).



The Dennis policy is one of continued development and improvement. We therefore reserve the right to amend the specification given in this publication without notice.



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