



Alero

- ULTRA-LOW FLOOR
- ROLL-ON, ROLL-OFF ACCESS
- WIDE DOORS

AN ALTOGETHER NEW CONCEPT
IN ACCESSIBILITY.

OPTARE

Alero

ALTOGETHER IN ONE DESIGN.

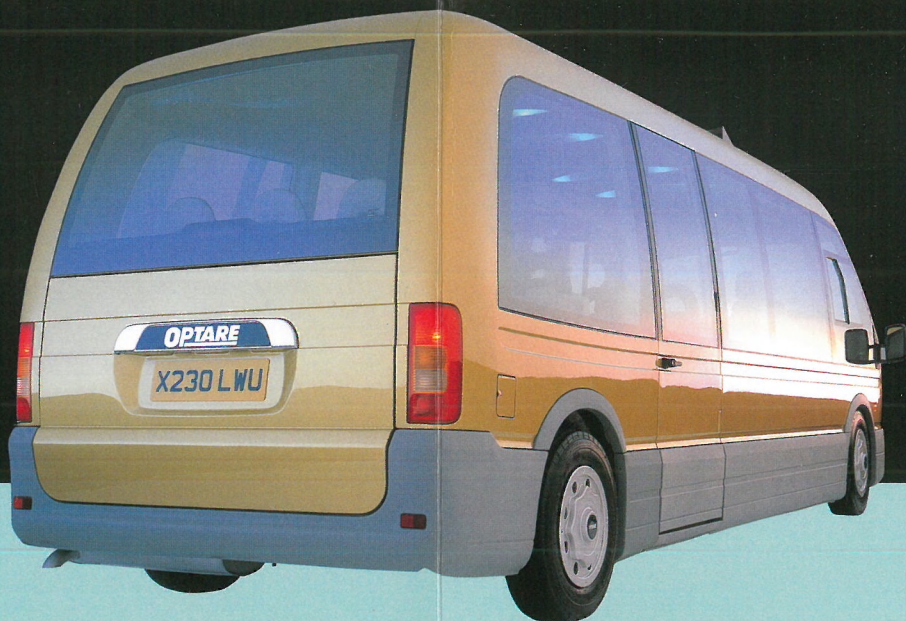
Not just new but way ahead of its time and unique to the small vehicle sector, the Alero is the new low-floor standard for comfort and accessibility. Looking and driving like a big MPV, Alero has a full 16 passenger capability, in any combination of seats and wheelchairs, plus driver and courier. And, continuing Optare's commitment to low floor access Alero has an entry step height - when kneeling - of just 190mm which, with the optional ramp, means wheelchairs can just roll-on and roll-off.



ALTOGETHER MORE COMFORTABLE.

Fully programmable electronic climate control and excellent ride and handling mean that Alero is as much a joy to operate as it is to ride on. The attractive MPV styling allows for a light and airy interior and superb visibility for both driver and passenger.

OPTARE



- Unrivalled passenger accessibility with 190mm entrance step height and intrusion free low-floor.
- Generous interior space accommodating up to 16 passengers together with driver and courier.
- Long-life construction provided through a combination of stainless steel and composite technology.
- Superb ride and handling from by electronically controlled four-wheel air suspension.
- World-class components and technology combined to deliver long-term reliability and economy.
- Wide entrance door for convenient and speedier boarding on foot or by wheelchair.
- Advanced vehicle styling increases passenger appeal.
- Passenger safety enhanced with R66 roll-over compliance, ABS brakes and M2 seat installation.
- Electronic climate control for optimum passenger comfort.
- Experienced 'One-Stop' service support systems.
- Wide range of optional equipment to facilitate a broad spectrum of uses.

AN ALTOGETHER NEW CONCEPT IN ACCESSIBILITY.





ALTOGETHER MORE
INNOVATION.

Alero's world class components and technology combine to deliver long-term reliability and economy, but it's the design that stands out. There simply is no alternative in the small vehicle sector that can match the good looks, convenience and practicality of Alero. Now you can

take Optare's commitment to quality and deliver it straight to your customers.



Alero

Model: AL01 Alero Standard Model

Engine

Type	Iveco 8140.43 Euro 3 four cylinder electronically controlled, direct injection turbocharged diesel.
Max Power	92kW (125bhp) @ 3600rpm (EEC88/195).
Max Torque	292Nm (215lbs/ft)@ 1800 rpm (EEC88/195).
Capacity	2.8 litres.
Cooling	Front mounted radiator and intercooler with dual electric fans and separate coolant reservoir.
Exhaust	Aluminised steel system.
Filter	Single stage.
Auxiliaries	Brake/suspension compressor and air conditioning compressor.

Transmission

Type	ZF 6S-300. Manual synchromesh 6 speed with remote dash control. Optional ZF4HP22 4 speed automatic transmission.
Clutch	Hydraulic. 267mm diameter single dry plate.
Drive	Shaft routed through underframe.

Axles & Suspension

Front	Front independent air suspension comprising upper/lower links with hydraulic dampers.
Rear	Beam type with drive ratio of 3.9:1 (4.875:1 with optional automatic transmission). Full air suspension with trailing link springs, panhard rod and hydraulic dampers.
Max Speed	Manual transmission 100kph (62mph). Optional automatic transmission 80kph (50mph).
Kneel/lift facility	Driver activated ECAS system providing kneeling and lifting at both front and rear.

Steering

Type	Power assisted steering with recirculating ball type box.
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Wheels & Tyres

Wheels	Steel spigot mounted 17.5" x 6".
Tyres	Bridgestone 205/75R x 17.5 tubeless low profile, single at rear.
Trims	Silver ABS wheeltrims.

Brake System

Service	Front and rear ventilated disc type, twin calliper at front and single at rear with ABS system.
Circuit	Dual air/hydraulic with heated air dryer.
Parking brake	Cable operated parking brake acting on rear wheels.

Electrical System

Type	Centralised control equipment conveniently located for easy fault finding.
Voltage	12 volt negative earth.
Battery	Single 12 volt 135 amp/hour, maintenance free battery located in engine compartment.
Alternator	12v x 120 amp output.
Interior lights	Four fluorescent interior lamps with night light facility together with separate cab lamp and entrance/exit lamps.
Exterior lights	Halogen, high intensity front driving lamps - side, dip and main beam. Front indicators with side repeaters together with compact modular rear lamps incorporating indicators, stop and tail lights, rear fog lights and reversing light.

Fuel tank

Type	70 litre (optional 120 litre) moulded plastic tank, rear mounted with lockable right hand side filler.
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Structure

- Spacious single piece composite vehicle shell impregnated in one of five standard colours.
- High strength moulded thermoplastic floor pan with seat adjustment.
- High strength structure of stainless steel tube and fabricated sections, incorporating roll hoops to form an integral frame bonded into composite vehicle shell.
- Lower structure painted and undersealed for corrosion protection.

Exterior

- Hinged emergency door to right hand side.
- Bonnet released from driver's cab.
- Rear luggage locker with lift-up access door and remote locking facility.
- Grey, rugged and impact absorbent quick release modular skirt panelling and bumpers.
- One piece windscreen.
- Driver's signalling window with sliding section.
- Tinted, single glazed windows with thermal and acoustic insulation properties, reducing interior noise and condensation.

Electronic Climate Control

- Fully automatic climate control to maintain selected interior temperature, air circulation and provide windscreen demisting.
- System incorporates two units; one mounted at the rear and one in the driver's cab area. A temperature setting control is provided for the driver.
- One electrically actuated tilt/slide glazed sun roof unit to rear with pre-select driver control unit.

Equipment and Systems

- Air actuated twin leaf plug type entrance doors, fully glazed with automatic locking, driver's open/close controls and emergency release pull to interior and exterior.
- Electrically powered windscreen wipers with two speed plus intermittent operation and wash/wipe facility.
- Electrically actuated, twin optic exterior mirrors.

Interior

- Side lining panels of moulded, easy clean magnolia composite.
- Noise absorbing ceiling panels with beige mottled fabric surface.
- Moulded dash panel incorporating instrumentation and controls.
- Comprehensive sound insulation to cab area.
- 16 Individual moulded passenger seats with easy clean trim.
- Luxurious drivers seat with three way adjustment for optimum comfort.
- Fold down sun visors.
- Moulded rubber mat to cab floor area.
- First aid kit fitted with break glass access.
- AFFF fire extinguisher fitted with break glass access.
- Sealed slip resistant floor covering system with high visibility yellow nosings.

Instrumentation

- Clear and informative instrumentation with odometer, fuel and air gauges, water temperature and two banks of multi-function warning lamps.
- Large, illuminated, easy feel switches for entrance door, interior lamps, kneel/lift system, windscreen demister and climate control.
- Steering column stalk controls for direction indicators, main beam, horn and windscreen wash/wipe.
- Radio cassette audio system with four saloon speakers.
- Audible reverse horn automatically activated through transmission selection.

Livery

- Choice of five standard colours: Glacier White, Ardanza Red, Corn Yellow or Dolphin Green.
- Decals for emergency controls, and information to schedule 6 requirements.
- Front and rear number plates.

Measurements

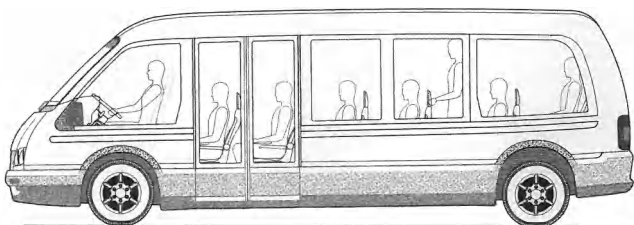
● Overall length:	7255mm
● Overall height:	2530mm
● Overall width:	2080mm
● Wheelbase:	4800mm
● Front overhang:	1330mm
● Rear overhang:	1125mm
● Approximate turning circle:	15600mm
● Entrance door - clear opening:	1000mm
● Entrance step - normal ride height:	250mm
● Entrance step - when knelt:	190mm
● Emergency door - clear opening:	800mm

Weights

● Gross vehicle design weight:	up to 6200kg
● Gross vehicle plated weight:	5600kg
● Front axle design weight:	up to 3100kg
● Front axle plated weight:	3000kg
● Rear axle design weight:	up to 3100kg
● Rear axle plated weight:	2600kg
● Typical unladen weight:	*4200kg

Warranty: All Alero's come with a full 2 year/150,000 kms manufacturers bumper to bumper warranty.

Please Note: This document reflects the standard base models only. A wide range of alternative seating configurations and optional equipment can be accommodated. Please contact us for further information.



AL02 - Rural Service Model:

As detailed for Standard model but with:

- ✓ 16 individual moulded passenger seats fitted with headrests and lap/diagonal seat belts.
- ✓ Option (through reduction of seating to 12) to accommodate a wheelchair bay with a padded back rest and associated handrails.
- ✓ Restyled front canopy to incorporate destination and route number display.
- ✓ Manually actuated wheelchair ramp.
- ✓ Saloon luggage pen.
- ✓ Driver's compartment adapted to include ticket machine mounting point and fully adjustable swivel seat for easy ticketing.
- ✓ Hand rails with vertical stanchions with saloon bell push to assist passengers when boarding and alighting.

AL03 - Accessible Service Model:

As detailed for Standard model but with:

- ✓ Up to 16 demountable M2 tested, individual passenger seats.
- ✓ Height adjustable lap and diagonal inertia reel seat belts.
- ✓ Unwin floor tracking and quick release fittings.
- ✓ Manually actuated wheelchair ramp.

AL04 - Access plus Model:

As detailed for Standard model but with:

- ✓ 16 Semi-high back, M2 tested seats with ABS moulded back panel and armrest.
- ✓ Height adjustable lap and diagonal inertia reel seat belts.
- ✓ Luxurious velour trimmed interior side panels.
- ✓ Deep pile saloon carpet.
- ✓ PA system.