

CARGO

Ford

Trucks

CAT-POWERED UP TO 187 kW (250 HP)



FORD CARGO PREMIUM TRUCK RANGE

Cargo is built with the goal of being one of the most efficient trucks in the business, combining:

High productivity. The Caterpillar engines provide high power and performance. Low downtime is assisted through ease of service and repair. Cargo possesses body mounting flexibility, plus excellent gross mass capability for rigid and articulated applications.

Cost of ownership—achieved by containing maintenance costs, excellent fuel economy, and Cargo's practical durability.

Driver environment—provided by superbly comfortable seating, comprehensive and convenient instrumentation, 'low-effort' controls and ample stowage.

Driveability—assisted by excellent driver visibility, performance and ride. Plus light, precise steering and powerful well balanced brakes.

Reliability/durability—validated in one of the most rigorous and detailed heavy truck engineering test programs ever conducted in Australia by Ford.

12 MONTHS/160,000 KM EXPRESS CARGO WARRANTY

(whichever comes first)

The Express Warranty is an indication of the reliability built into Cargo and its ability to perform up to specifications.

The Express Warranty provided by Ford Sales Company of Australia Limited does not deprive a consumer of the rights and remedies which are given to consumers by the Trade Practices Act and applicable State and Territory Laws.

ENGINE-CATERPILLAR 3208

Economical, responsive 10.4 litre diesel power, naturally aspirated and turbocharged, in five power ratings.

Proven design. Since its introduction into Australia in 1975 in the LN/LNT8000, the 90° vee design has proven itself in thousands of trucks working in demanding medium-duty applications.

Large displacement. The big 10.4 litre engine offers excellent low-end torque for good startability. Its high torque rise over a broad operating range provides good pulling power at low revs. It also means less shifting in heavy traffic and on heavy grades. The big 10.4 litre

displacement provides effective engine braking without the need to select lower gears.

Total rebuildability. The 3208 may be totally rebuilt both in and out of the chassis. To help reduce overall costs, it features a reboreable block, dry repair sleeves, regrindable crankshaft, optional oversize pistons and undersize bearings.

Responsive performance. The 3208 responds quickly to the accelerator providing a healthy torque rise and broad operating range. This results in excellent getaway, passing and gradeability.

Shifting ease. The broad torque range means fewer gear shifts are needed for many applications. Peak torque is developed at 1400 RPM.

POWER RATINGS FOR ECONOMY OR PERFORMANCE

3208 ENGINE TYPE	GROSS POWER OUTPUT (SAE J816B)	Performance Characteristics
	Power Rating kW (HP) @ RPM	Peak Torque Nm (lb ft) @ RPM
185 NA Std	138 (185) @ 2600	613 (452) @ 1400
210 NA Opt	157 (210) @ 2800	678 (500) @ 1400
225 T Std	168 (225) @ 2600	793 (585) @ 1400
250 T Opt	187 (250) @ 2600	868 (640) @ 1400
200 T Opt *	149 (200) @ 2000	841 (620) @ 1400

*Only available on special request, for specific applications.



Caterpillar 3208 Turbocharged

CARGO CAB

Aerodynamic, 'European' style forward control cab. Superior air-flow management has been achieved by reducing energy consuming turbulence.

Aerodynamic features include a double-curvature windscreens with a 17° rake. Streamlined rear-view mirror casings. Flush-fitting doorhandles. Recessed over-door drip rails. And a collar-at-the-rear of the cab that helps bridge the gap between cab and load.



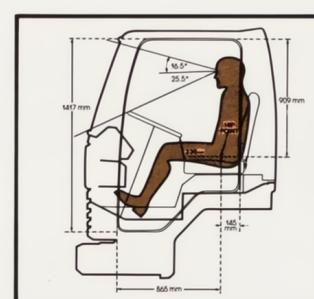
Easy entry and exit

- Cab doors open wide to 80°.
- Well located "non-slip" steps.
- Excellent cab walkthrough—no engine tunnel.



Driving and visibility

- Light, airy cab environment.
- Outstanding driving position.
- Ergonomically balanced dimensions:
 - steering wheel to seat
 - centre line of driver to door
 - driver's eye to top of windscreens
 - steering wheel angle.
- Wide 243° circle of vision.
- High side glass and deep windscreens for excellent 'up' and 'down' vision.
- Deep kerb observation windows for clear roadside visibility.
- Laminated windscreens is standard.



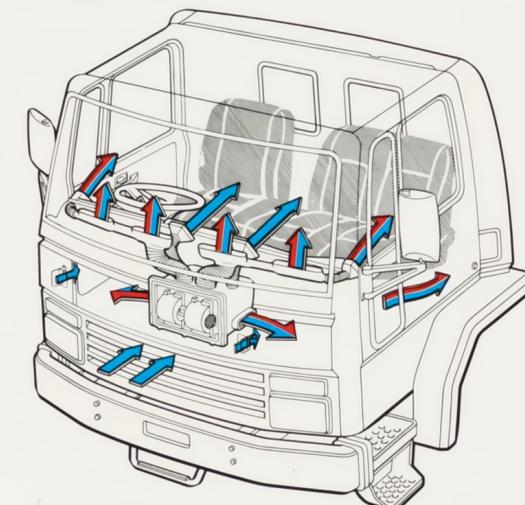
Comfort and working efficiency

- Clear, functional and comprehensive instrumentation.



Stowage

- Outstanding stowage facilities for personal effects and documents.
- Standard features include:
 - wide, roomy, lockable glove box.
 - large door pockets.



Heating and ventilation

Designed to handle Australia's extreme climatic conditions.

- Air change capability—once every 20 seconds at 50 kph.
- Illuminated recessed controls.
- Low friction control cables.
- Windscreens demist-hot and cold air.
- Twin cool air outlets—face level.
- Kick-open foot level vents.
- Two speed blower fan.

- Two spoke steering wheel for clear sighting of instrument panel.

- Finger-tip operated controls.

LOW COST OF OWNERSHIP

Low cost of ownership has been provided for through the use of proven 'American' drivetrain components, an excellent choice of performance or economy engines, reduced servicing schedules, and practical design durability.

Service ease and durability

- Designed for speed and ease of service.
- Excellent accessibility means reduced servicing times and a lower cost of ownership.
- No daily service work via cab interior.

Lubed-for life components

- Steering.
- Ball joints and shackle pins.
- Gear change linkage.
- Brake load apportioning valve.

ACCESSIBILITY

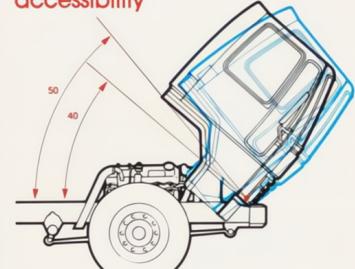
Front panel lifts up for access to:

- Windscreen washer reservoir and pump.
- Wiper motor and linkage.
- Heater motor, matrix and water connections. Both matrix and motor easily removed.
- Air gauge connections.
- Brake control valve.
- Clutch master cylinder and fluid reservoir-easily removed without dismantling the pedal assembly.

Front grille removable for access to:

- Heater hoses.
- Throttle cable.
- Electrical connectors.
- Horn and lamps.
- Front cab mounts.
- Headlight adjustment.

Cab tilts for engine/drivetrain accessibility



SERVICEABILITY

Routine services have been reduced in content and number. Many traditional service operations have been completely eliminated.

- Engine coolant and oil check/fill are located behind the cab.

- Normal tilt to 40°.
- Additional 10° tilt for engine out or major overhaul.
- Absence of over-engine cross-member makes engine removal straightforward.

Advanced electrical system

- Quick release pull-out fuse tray is located beneath the glove box.



- Multi-way loom connectors which facilitate matching.
- Positive lock connectors are used throughout.
- Wiring routed inside chassis frame is secured with plastic loops—not steel-edged clips.



Excellent fuel economy derived from:

- Aerodynamic cab design due to advanced airflow techniques.
- Peak engine torque developed at low RPM.
- Matching of power train specifications through the model range.

Corrosion protection. The cab is protected by an extensive preparation and paint process including cathodic electrocoat. This ensures exceptional penetration and thorough coating of all internal cavities and external surfaces.



- Compressor, alternator and power steering reservoirs are on top of the engine, and accessible by tilting the cab.
- Engine oil changes are at 10,000 km intervals.
- Standard service every 30,000 km with major services every 60,000 km.
- Clutch and brakes are self adjusting.

Cat-powered Cargo combines the rugged, proven durability of 'American' powertrain components with sophisticated 'European' cab over design.

Premium 'American' powertrain components are a major strength of Cat-powered Cargo. They will help enhance the low cost of ownership through outstanding durability, ease of service and widespread replacement parts availability.

FULLER ROADRANGER TRANSMISSIONS

Cargo 4x2 models are fitted with the direct drive RT-6610. The 6x4 models with NA and T engines are equipped with the RT-6613 and overdrive RTO-11613 respectively. Fuller multimesh gearing delivers quiet performance because two or three teeth per gear are always in contact.

The RTO-11613 provides excellent direct gear performance when loaded to 38 tonnes GCM and fast empty return.

ALLISON AUTOMATIC TRANSMISSION

Cat-powered Cargo models are also available at extra cost with the Allison MT-653 five speed automatic transmission. This can improve driver safety and efficiency in stop-start applications. It also absorbs driveline shocks for improved component life and a lower cost of operation.

SPICER CLUTCH AND DRIVELINE

Caterpillar 3208 NA engine models are fitted with a Spicer 356mm, single plate clutch. Turbo models are fitted with a 356mm, two plate clutch. Both feature automatic adjustment and sealed release bearings. Proven Spicer universal joints are used in all models. Cargo 4x2-1610 Series, Cargo 6x4-1760 Series.

EATON AND ROCKWELL REAR AXLES

Cargo 4x2 models are fitted with Eaton 23120 10.25 tonne single-drive axles. Features are spiral bevel gearing for cool running, precision forged gears, induction-hardened axle shafts, and fabricated rectangular heat-treated axle housings.

Cargo 6x4 models are fitted with Rockwell S38H 17.2 tonne tandem axles. These proven axles feature rugged rectangular axle housings and bolted crown wheel assemblies.



REAR SUSPENSIONS

Cargo 4x2 models are fitted with Ford multi-leaf rear suspensions with auxiliary springs and shock absorbers.

Both 6x4 models have the Hendrickson RT380 suspension featuring outstanding durability through engineering simplicity and stiff roll resistance.

FRONT SUSPENSIONS

Cargo 4x2 models have a low-friction taper-leaf front suspension for optimum ride, plus a front anti-roll bar for ride stability. Shock absorbers are fitted front and rear.

Cargo 6x4 models have multi-leaf front suspension and a front anti-roll bar for ride stability.

CARGO CHASSIS

Outstanding strength and lightness

Pressed alloy steel frames for high strength to mass ratio—yield strength 4.5 tonnes/cm².

Excellent body/payload adaptability

Clear flat top chassis frame.

No components protrude above the frame.

All cable, air and fuel lines run inside the frame.

Handling and manoeuvrability

Recirculating ball power steering for light, precise control.

Outstanding manoeuvrability, inherent in cab-over design.

POWERFUL, STABLE BRAKING SYSTEM

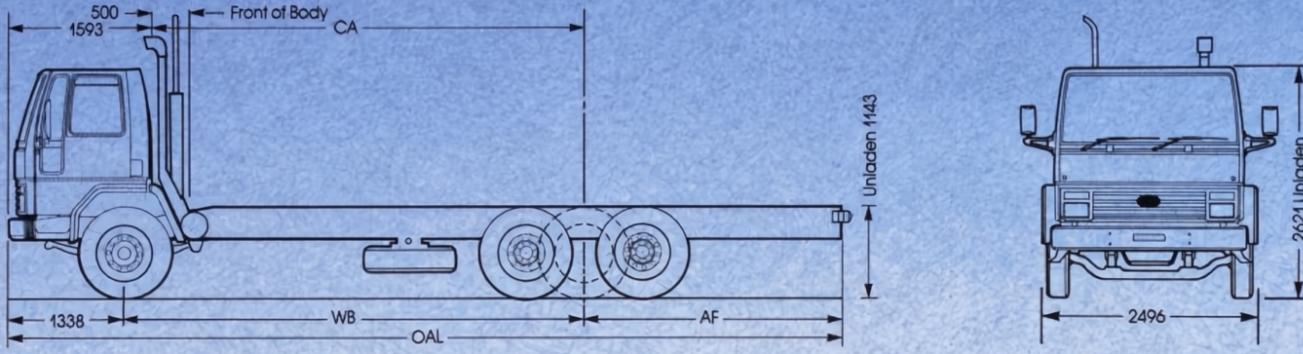
Cargo's braking system provides exceptional power and response with outstanding stability under harsh working conditions.

- Dual line, full air horizontal split system.
- Large lining areas to help reduce heat build-up.
- Automatic adjustment to help ensure even lining wear.
- Responsive load apportioning valves.
- Brake inspection windows in the back plates to allow linings to be checked without removing the drums.
- "Fail safe" park brake incorporates a spring actuator fitted in tandem with the service brake chamber.

FORD CARGO WITH CAT POWER - MODEL LINE-UP

SPECIFICATIONS	1617 (4 x 2)	1621 (4 x 2)	2417 (6 x 4)	2421 (6 x 4)
RATING Gross vehicle mass (tonnes)	14.0	14.0	21.9	21.9
Gross combination mass (tonnes)	30.0	32.0	-	38.0
WHEELBASE (mm)	3520 5600	3520 5600	3784 4936	3784 4936
ENGINE Make-Caterpillar 3208	NA	T	NA	T
Power rating kW/(HP) @ RPM Std	138 (185) @ 2600	168 (225) @ 2600	138 (185) @ 2600	168 (225) @ 2600
Opt	157 (210) @ 2800	187 (250) @ 2600	157 (210) @ 2800	187 (250) @ 2600
*Opt	-	149 (200) @ 2000	-	149 (200) @ 2000
FRONT AXLE Capacity (tonnes)	6.5	6.5	6.5	6.5
REAR AXLE Make	Eaton 23120	Eaton 23120	Rockwell S38H	Rockwell S38H
Capacity (tonnes)	10.25	10.25	17.2	17.2
TRANSMISSION				
Make-Fuller (manual) Std	RT-6610 10-sp	RT-6610 10-sp	RT-6613 13-sp	RTO-11613 13-sp O.D.
-Allison (auto) *Opt	MT-653 5-sp	MT-653 5-sp	MT-653 5-sp	MT-653 5-sp
TYRES Type-Cross Ply Std	10.00x20-12&14PR	10.00x20-12&14PR	10.00x20-12&14PR	10.00x20-12&14PR
-Radial Ply RPO	10.00x20-16PR	10.00x20-16PR	10.00x20-16PR	10.00x20-16PR

*Optional equipment at extra cost.



Dimensional data

Model	WB (mm)	CA (mm)	AF (mm)	OAL (mm)	Turning circle wall to wall (m)
1617 & 1621	3520 5600	3265 5345	1100 1870	5972 8822	14.0 20.4
2417 & 2421	3784 4936	3529 4681	1750 2534	6914 8850	17.2 20.5

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Because of variations which occur in manufactured products, all capacities, measurements, dimensions and weights quoted in this brochure should be taken as approximate only.

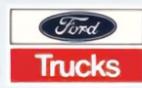
Always consult an Authorised Ford Dealer for the latest information with respect to the features, specifications, prices, optional

equipment and availability before deciding to place an order.

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FORD TRUCK FORCE



Ford Australia - We're moving with you.