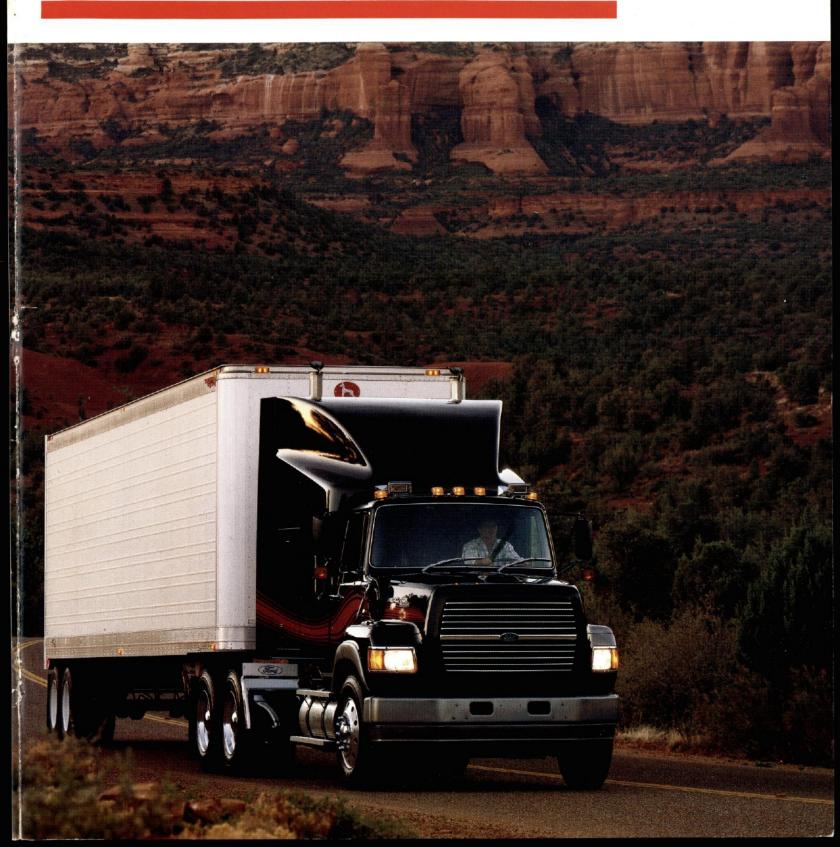
### FORD AEROFORCE





# THE FORD AEROFORCE

eroForce. It's the name we've given to our aerodynamic linehaulers: the LTL-9000, AeroMax, the CLT-9000 and the L-9000 Series.

But AeroForce is more than a name. It's optimized aerodynamic design. It's economy engines from Caterpillar and Cummins up to 444 horsepower—some featuring electronic engine controls: the Cat PEEC system and the Cummins PT Pacer.
It's Ford Tough construction. Modern
Penthouse and AeroBullet sleepers.
Components from premium suppliers like Rockwell and Fuller.

AeroForce is also the latest in computer technology—like the Ford Truck Performance Predictor. It's the Work-Ready Program that guarantees quick delivery on job-proven, pre-engineered units—with Extended Service Coverage at no extra charge.

#### **NEW CAT ENGINES FOR 1990**

Caterpillar's new, electronically controlled 3176 engine will be available in the Ford AeroForce (except CL/CLT-9000) for 1990 in 250/275/300/325 HP versions.

The 6-cylinder, 10 liter, in-line

3176 weighs from 700 to 900 pounds less than comparable 14 liter engines, making it appealing in weight-sensitive applications.

#### **ELECTRONIC ENGINE CONTROLS**

Selected Caterpillar 3176 and 3406 diesel engines feature Programmable Electronic Engine Control (PEEC) for improved performance and fuel economy. The Cummins L-10 and NTC offer an optional electronic governor—PT Pacer.

These systems allow you to tailor your engine's performance to your own applicational requirements. Programmable parameters include: low idle rpm; maximum road speed; engine/gear speed limiting plus speed control.

A built-in security password system can be reprogrammed at any time by authorized personnel to meet changing operating conditions.

PEEC and PT Pacer are ways of implementing the AeroForce guideline "to gear fast and run slow" as a means of attaining fleet fuel objectives and keeping drivers within desired speed limits.

#### NEW SLEEPERS FOR 1990

All AeroForce sleepers—the Aero-Bullet, the Penthouse and the Flat Top—have been redesigned and reengineered for 1990 to include reinforced fiberglass roof structures and Coach-Joint construction. Benefits to you include reduced weight, added strength, easier painting and refinishing plus simplified repairs. See pages 24-25 for details.

#### IT PAYS TO BELONG

Computerized engine technology and advanced sleeper design are just part of the AeroForce story. The rest of this brochure paints the entire picture. If your truck or fleet doesn't measure up, maybe it's time to consider Ford. Maybe it's time to join the AeroForce. It pays to belong.

Shown below, the AeroForce CLT-9000, LTL-9000 and AeroMax.





# LTL-9000

he LTL-9000 is the Aero-Force premium line-hauler. A proven performer, it has the appearance and performance characteristics that have helped make it one of the increasingly popular Class-8 line-haulers on the road. The single-axle LL-9000 is ideal for big volume, low weight applications like bulk-mail delivery.

### THE AEROFORCE. IT PAYS TO BELONG

As much as 50% of the power required to move a truck down the highway at legal speeds can be spent overcoming wind resistance. That's more than wasted energy. That's lost money.

An LTL-9000 equipped with the all new wedge-shaped AeroBullet Sleeper or a Rudkin-Wiley Aerodynamic Improvement Package can help minimize that loss.

The AeroForce Package features adjustable cab side extenders and roof fairing to help move the air around and over your trailer in an aerodynamically efficient pattern for improved performance and fuel economy.

If you're not satisfied with the mpg you're getting from your line-haul truck or fleet, look to the LTL-9000. Join the Ford AeroForce. It pays to belong.

#### A POWERPLANT FOR ANY JOB

Whatever your power require-

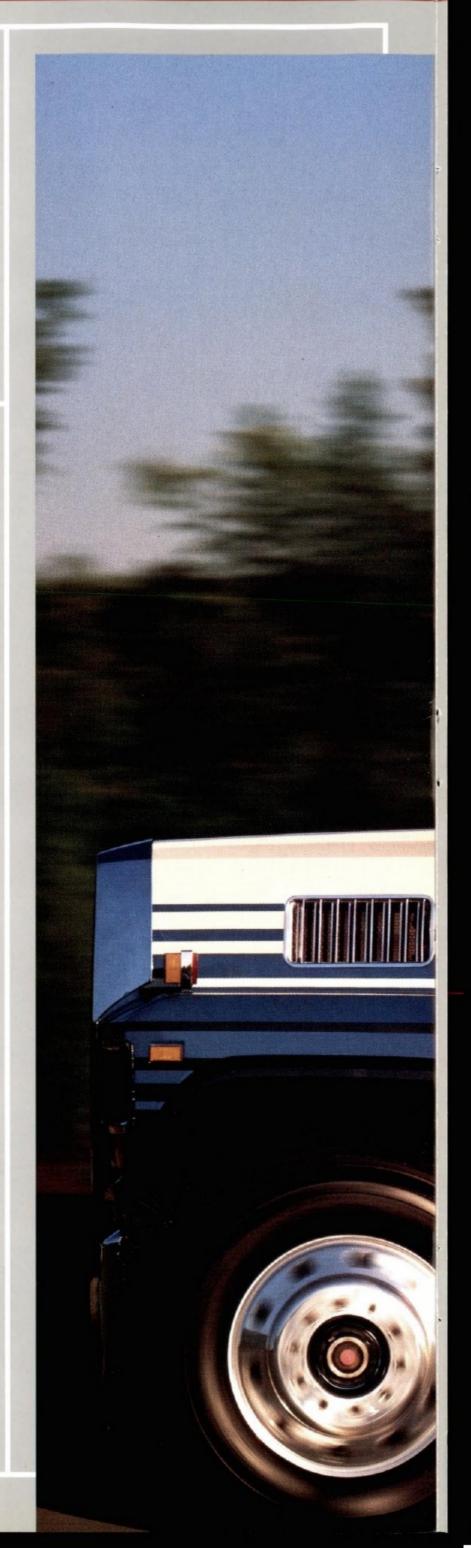
ments may be, the LL/LTL is there to meet them. Choose from a wide number of Caterpillar and Cummins engines up to 444 horsepower—all with modern aftercooling systems for increased combustion efficiency and reduced emissions.

The Cummins L-10 (OA) Formula 270 is standard, the 300 optional. Other offerings include the L-10 Power Torque at 270 and 300 HP; the Big Cam IV (OA) in the Formula and NTC Series from 300 to 444 HP; and the Cat 3406B (ATAAC) Series from 310 to 425 HP; plus the Cat 3176 (ATAAC) Series from 275 to 325 HP. Select Cat engines feature Programmable Electronic Engine Control (PEEC). See pages 26 and 33 for details.

#### EFFECTIVE PAYLOAD CAPACITY

Don't be misled by manufacturer claims for lightweight trucks. Check out the design of the LTL-9000. By setting components like fuel tanks, air tanks and battery boxes forward under the cab, the LTL-9000 is able to load enough weight onto the front axle to allow you to pull the payloads that will keep you competitive in today's market.

New for 1990—the LTL-9000 can be spec'd with the Cat 3176 (ATAAC) diesel engine featuring an Electronic Control Module (ECM). ECM allows for programmable low idle RPM, progressive shifting limits, maximum road speed, speed control and PTO parameters.





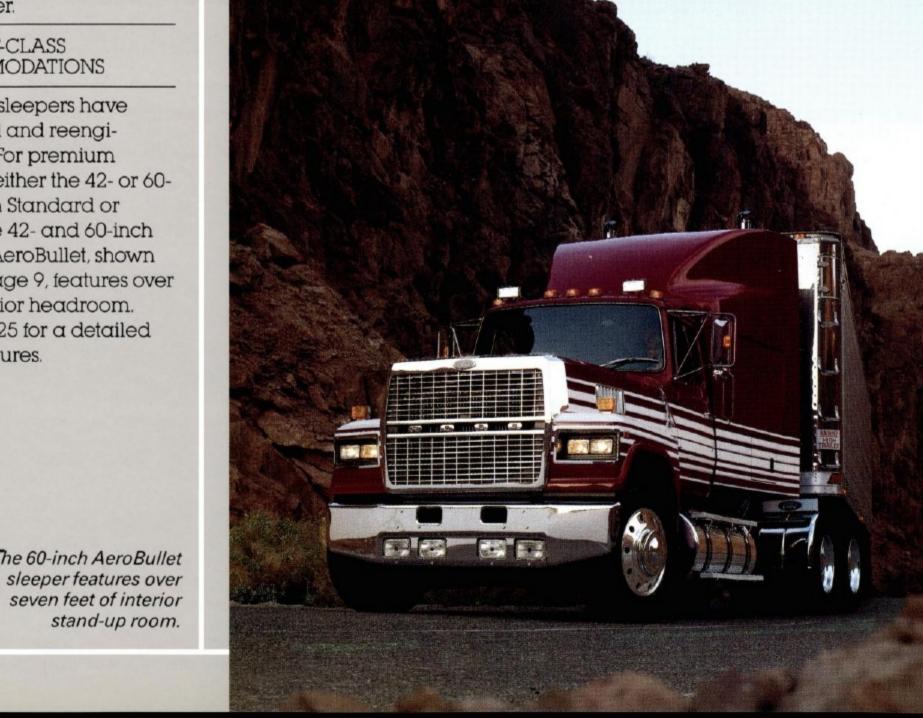


hether you're stopping for the night, or lying over for the weekend, when it's time to put the road behind you, you'll appreciate the luxury of an AeroForce sleeper.

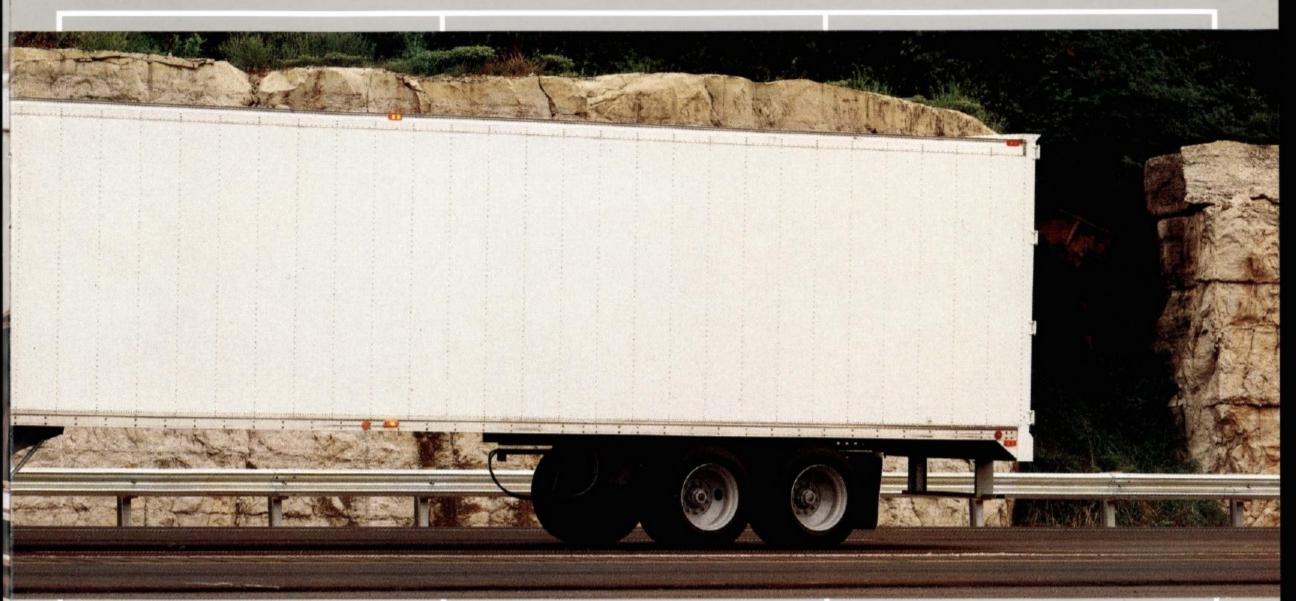
FIRST-CLASS ACCOMMODATIONS

All AeroForce sleepers have been redesigned and reengineered for 1990. For premium comfort, choose either the 42- or 60inch Penthouse in Standard or Hi-Level trim. The 42- and 60-inch wedge-shaped AeroBullet, shown above and on page 9, features over seven feet of interior headroom.

See pages 24-25 for a detailed list of sleeper features.



The 60-inch AeroBullet sleeper features over





#### WHEELBASE OPTIONS

The LL/LTL-9000 features 234and 258-inch wheelbases as regular production options. The benefit -increased vocational versatility and suitability for operators utilizing 60-inch sleepers.

FULLER 9-SPEED OVERDRIVE TRANSMISSION FEATURES ECONOMICAL AND SIMPLE **OPERATION** 

The Fuller RTX-14609B 9-speed overdrive transmission is available in the LL/LTL-9000 Series.

The RTX-14609B is characterized by a familiar "H" shift pattern—a benefit that pays off in operating ease and reduced driver fatigue.

In addition, the Fuller 9-speed helps meet the needs of operators in the market for economical powertrains as an alternative to more complicated and costly 10- and 13-speed units.

#### HENDRICKSON AIR-RIDE SUSPENSIONS

Two Hendrickson air-ride suspensions-the 36,000-pound HA-360 and the 40,000-pound HA-400-are available on the LTL-9000.

Both are of low-maintenance design and feature nodular iron casting of key components for lightweight strength. Both are intended for use with the Rockwell RT-40-145 or RT-40-145P rear axles.

Effective weight distribution is accomplished in part by setting LTL components like fuel tanks forward under the cab.

### **AEROMAX**

ntroduced in 1988, AeroMax is the most fuel-efficient Class-8 conventional in the Ford AeroForce.

AeroMax features a setback front axle and is available in single and tandem-axle configurations with GCWR's (turnpike) up to 138,000 pounds and frames up to 1,749,000 RBM rating.

### CAN YOU AFFORD TO OPERATE ANYTHING LESS?

Whether you own one truck or one hundred, how well you do in the trucking business might well depend upon the truck you operate.

Ford designed AeroMax to meet the business needs of today's trucker. We couldn't afford to build anything else. Can you afford to operate anything less?

Take a good look at the Aero-Max story. It makes sense. Business sense.

#### SET-BACK SUPERIORITY

Along with the LS-9000, AeroMax leads the field in set-back front axle design. AeroMax and the LS-9000 transfer a greater percentage of their load to the front axle than any competitor. (See page 18 for details.)

#### 53-FOOT TURNING DIAMETER

AeroMax is not only the most fuel-efficient conventional in the AeroForce fleet, it's also the most

maneuverable as well, along with the LS/LTS-9000.

The LTA's 53.3-foot tire-to-tire turning diameter (with power steering, 12,000-pound aluminum front axle and 84-inch CA) is over 6 feet less than a comparable LT-9000. Plus, its swept-back fenders and bumpers improve wall-to-wall clearance.

Getting to an inner-city destination on time is one thing. Getting around tight loading docks and narrow city streets is another. If good maneuverability is high on your list of requirements, AeroMax, with its set-back front axle and tight turning radius, might be just what you're looking for.

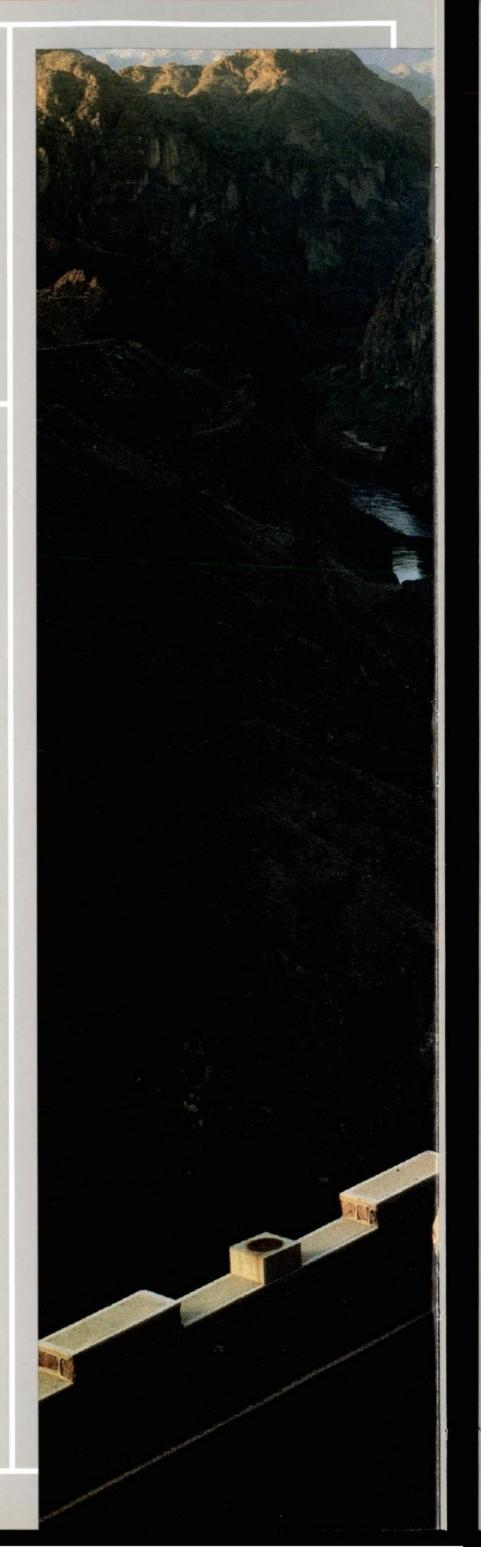
#### SLEEPER OPTIONS

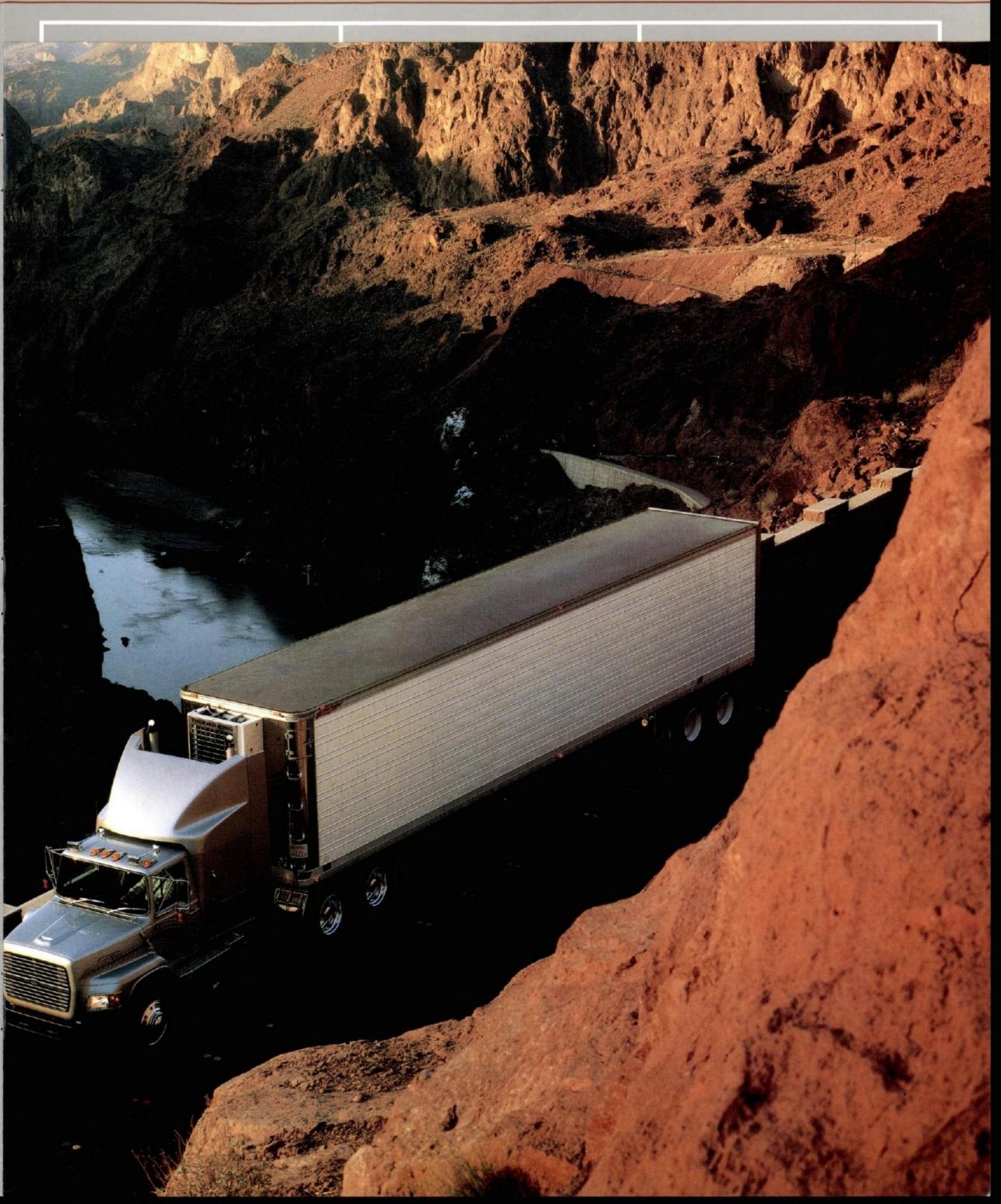
When it's time to put the road behind you, you'll appreciate the spacious luxury of an AeroBullet Sleeper.

Redesigned for 1990, and available in 42- and 60-inch models, the AeroBullet Sleeper features a wedge shape for optimized aerodynamics, roof fairings, cab side extenders—plus over seven feet of interior headroom space.

Other sleeper options include the 34-, 42- and 60-inch Flat-Top models plus the 42- and 60-inch Penthouse. See pages 24-25 for interior details.

AeroMax is the most fuel-efficient conventional in the Ford AeroForce.







major part of the AeroMax fuel economy story lies in what engineers refer to as air management (measured by drag coefficient). Air management is the science of directing air not only over, but more importantly around, a vehicle for more efficient highway operation and increased fuel economy.

> COMPLEX WORDS FOR A SIMPLE IDEA

Aerodynamics. Air management. Drag coefficient. Complex

engineering for something very simple-fuel savings. That's really what AeroMax is all about. The aerodynamic features built into it are there for only one purpose. To help lower your operating costs and keep you competitive.

#### OUR BEST JUST GOT BETTER

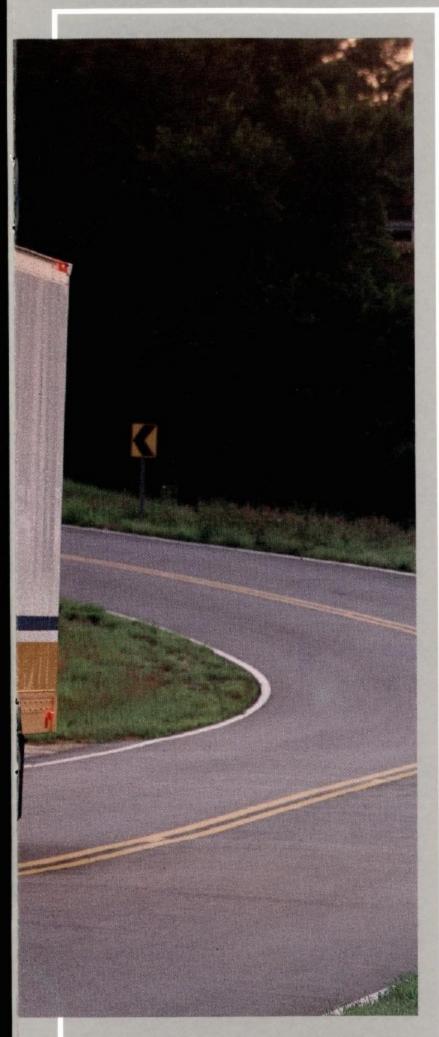
With the addition of the Caterpillar 3176 diesel engine to the Fuller RTO-14715 15-speed transmission as regular production options, AeroMax for 1990 is a great choice for today's demanding trucker.

The Fuller 15-speed overdrive transmission gives AeroMax more of the powertrain muscle required by certain linehaul operations where some fuel economy must be sacrificed for pulling power.

AeroMax for 1990. Our best just got better.

#### SET-BACK FRONT AXLE DESIGN

The key to effective weight distribution lies in how much of the fifth wheel load can be put on the front axle. The AeroMax front axle is set back 19 inches compared to a conventional Ford configuration.



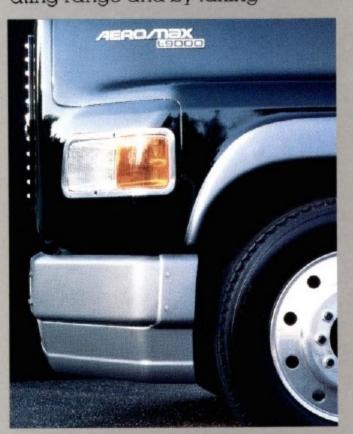
This feature, along with an effective FABC (tront-axle-to-back-ofcab) of 59 inches and a CA (cab-toaxle) of 84 inches, results in a wheelbase of only 143 inches.

AeroMax transfers a greater percentage of its load to the front axle than any competitor-including the Kenworth T600-helping you maximize payloads and meet Bridge Formula requirements.

#### MORE COMFORTABLE RIDE

The set-back front axle design of AeroMax does more than contribute to effective weight distribution and improved maneuverability.

AeroMax provides outstanding riding comfort-by loading front springs to their designated operating range and by taking



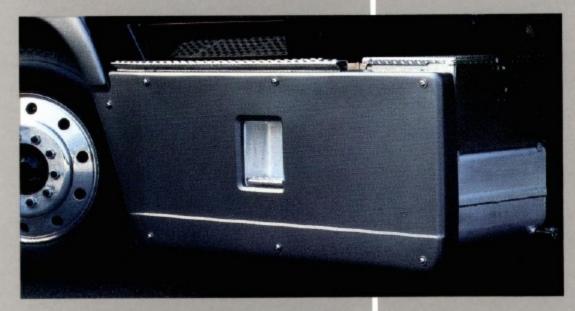
advantage of the set-back front axle's favorable positioning relative to chassis and payload weights. That's a big plus over the long haul.

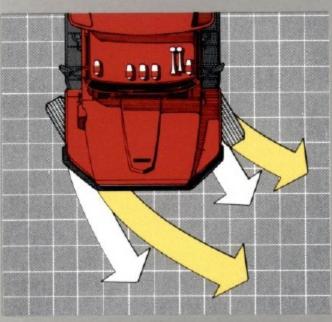
Aero headlights with integral flush turn signals improve air flow around the fenders.

Air-dam bumper directs air around to the sides of the truck for better aerodynamic efficiency.

Wheel-opening fairings help prevent air from spilling into and out of the wheel well area, thereby reducing turbulence.

Forward-mounted dual integral fuel tanks contribute to efficient weight distribution. Lightweight cylindrical fuel tanks are available as an option.





Fuel tank fairings and cab valance panel close the gap over the fuel tanks and between the cab for reduced drag.

A turning diameter as small as 48.4' (LA w/131" WB and 12,000 lb. front axle) helps provide AeroMax with the maneuverability needed to operate around loading docks. Plus, its swept-back fenders and bumpers improve wall-towall clearance.

# **CLT-9000**

or unconventional performance, maneuverability and ride, choose the jobproven CLT-9000. Spec'd out with an Aerodynamic Equipment Package, it has the Ford AeroForce attitude. Elite. Polished. Contemporary.

#### AERODYNAMIC EQUIPMENT OPTIONS

The CLT-9000 is offered with two aerodynamic package options.

The Aerodynamic Improvement Package includes roof reinforcements, roof fairing, cab side extenders and trim tabs.

The Roof Fairing Package includes roof reinforcements plus a fiberglass fairing and adjustable top panel.

#### 4-POINT AIR-RIDE SUSPENSION

You'll have to drive a CLT-9000 to appreciate the advantages of its 4-point air-cab suspension. It virtually isolates the driver from chassis noise and vibration. Add the optional rear axle air-ride suspension and air-ride driver and passenger seats for optimum luxury.

Rear suspensions include the Hendrickson HA-360 and HA-400, rated at 36,000 and 40,000 pounds. Plus the Neway ARD-244-6 at 44,000 pounds.

Ride the air with the CLT: 4-point air-ride cab suspension, air-ride driver and passenger seats, air-ride rear suspension. Be a member of the elite. Drive a CLT-9000.

### PREMIUM DIESELS FROM CATERPILLAR AND CUMMINS

Like the other units in the Aero-Force, the CLT-9000 is powered by a variety of aftercooled engines from Caterpillar and Cummins.

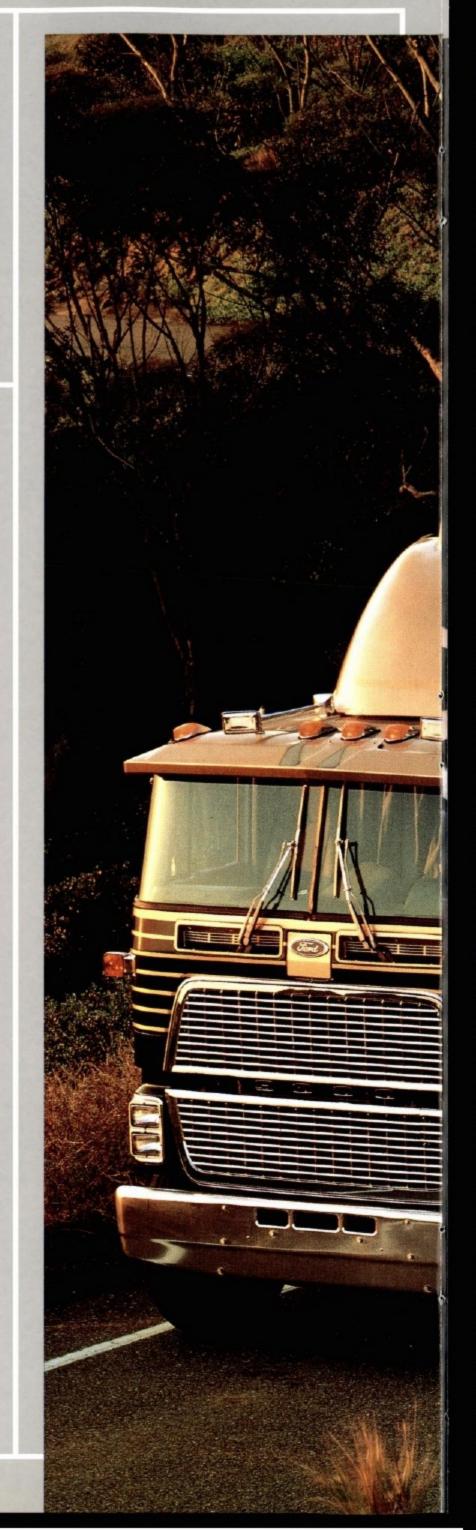
The Cummins L-10 (OA) Formula 270 is standard, the Formula 300 and Power Torque 270/300 are optional. Other options include the Cat 3406B Series-from 350 to 425 horsepower; the Cat 3406B Economy Series-from 310 to 400 horsepower. And the Cummins Big Cam IV (OA) Formula and NTC Series from 300 to 444 horsepower. Selected Cat engines feature Programmable Electronic Engine Control (PEEC)—late availability.

#### RTX ECONOMY TRANSMISSION

Along with other vehicles in the AeroForce, the CLT-9000 can be spec'd with the Fuller 9-speed overdrive RTX transmissions.

The RTX features a simplified "H" shift pattern and provides an economical alternative to more complex 10- and 13-speed transmissions.

> The CLT-9000, shown here with the 110" BBC, has the AeroForce attitude. Elite. Polished. Contemporary.





ake a good look around America's highways. We think you'll agree. There's not a richer looking cabover on the road than the CLT-9000. It's got the AeroForce attitude. Elite. Polished. Contemporary.

The CLT says a lot about the quality of the business people who drive them. And the quality of their operation.

It says you're a trucker because you want to be. Not because you have to be. You've mapped your own road. You live by choice.

That's why the CLT offers such an incredible number of choices-not only in things like engines, but in trims, in paints, in seats, in cab and chassis options.

#### ANY COLOR AS LONG AS IT'S BLACK

Candyapple Red. Holly Green. Wild Strawberry. Black/ Bronze Opalescent. Bahama Blue.

Ford offers you a choice of 16 Standard and 14 Clear-Coat Glamour paint colors on the CLT-9000 cab and another six on the frame.

And, for a bold flair, a "Lightning" or "Soft Fan" cab design in Multi-Tone or Tu-Tone colors.

Of course, you can always have

your truck painted to your own specifications.

#### CLT INTERIORS

The CLT interior is a great place to work. Start with the seats. The CLT offers a choice of 16 National and Bostrom individual Lo- and High-Back seats. Mechanical or Air-ride.

#### OPTIONAL TRIM PACKAGES

Three "Dress-Up" packages can be purchased for the CL/CLT seriesfeaturing many exterior and interior trim and appearance items (Custom Hi-Level Interior and Custom Hi-Level Exterior), paint designs and multitone color combinations. These three option packages are available individually or in combinations.

#### CUSTOM HI-LEVEL INTERIOR

(Optional with 64" and 88" BBC; included w/110" BBC) ☐ One of two unique interior colors (chestnut or charcoal) 

Floor and engine cover carpeting (30 oz.) cut pile - Floor mats, dual-black ☐ Color-keyed sleeper curtains ☐ Deluxe perforated trim panels ☐ Sleeper compartment wardrobe and convenience tray (110" BBC)

☐ Sleeper compartment convenience tray (88" BBC) 

Sun Visors, L.H., Center and R.H. 

National Cush-N-Aire Lo-Back deluxe trim driver's seat 

National Companion Lo-Back deluxe trim passenger seat, fixed base (includes R.H. ash tray, R.H. dome light, R.H. doormap pocket w/lamp) ☐ Argent painted sleeper vents 

Brushed aluminum appliqués on instrument panel module covers and passenger side trim and sleeper compartment control panels 

Sport type steering wheel-21" ☐ Sleeper bunk bright finish front moulding ☐ Sleeper cigar lighter (12 volt power source) and ash tray  $\square$  L.H. reading lamp in sleeper 
R.H. vanity mirror/ lamp in sleeper 
"Simmons" inner-spring mattress with colorkeyed cover 

Carpeted stowage compartments w/lamps □ Full width, 2-piece, sliding sleeper polyknit curtain

#### MULTI-TONE PAINT SCHEMES

(Optional with 64", 88" and 110"

☐ Choice of 2 paint designs ☐ Choice of 10 multitone color combinations 
Color co-ordinated chassis





#### **CUSTOM HI-LEVEL EXTERIOR**

(Optional with 64" and 88" BBC; included with 110" BBC)

- ☐ Dual west coast stainless mirrors w/stainless aux. convex mirrors
- ☐ Bright turn signal mounting base
- ☐ Bright aluminum bumper ☐ Bright muffler, stack and elbow

grille

(3 items)  $\square$  Quad rectangular headlamps with bright trim rings ☐ Dual Hadley air horns with covers (N.A. w/64" BBC) ☐ Rectangular Dietz roof marker lights 

Bright

Since its introduction, the CLT-9000 has been among the leaders in aerodynamic cabover design.

Its smoothly rounded contours, sloped windshield, recessed steps and grab handles are all engineered to help cut drag and improve fuel economy.

Today's sophisticated Aerodynamic Packages-available on 64"/88"/110" BBC cabs-maximize the aerodynamic qualities indigenous to the shape of this AeroForce cabover.

Leave the ground behind with the CLT's optional 4-point air-ride cab, air-ride passenger and driver's seats plus a choice of air-ride suspensions.

### L-9000 SERIES

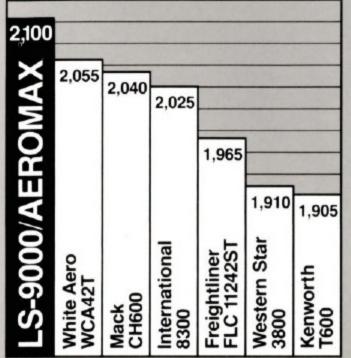
he AeroForce L-9000
Series includes the conventional L/LT-9000, the set-back LS/LTS-9000 and the short-nose LN/
LNT-9000. With a variety of configurations plus GCWRs up to 138,000 pounds (turnpike rating), the L-9000 Series covers a broad range of line-haul applications.

SET-BACK FRONT AXLE LEADERSHIP

There's more to the Ford Aero-Force story than fuel economy. There's innovation backed by years of engineering know-how.

For example, when it comes to set-back front axle technology, nothing beats Ford experience.
We've been in the business for

LS-9000/AeroMax Top
The Competition\*
Total Load Transferred To Front Axle (lbs.)



\*Figures are based on a 20-inch fifth wheel setting, an 84-inch CA and 15,000 lb. fifth wheel load.

nearly two decades—since we introduced the first-generation Louisville Line cabs in the early 1970's.

The chart below illustrates how the set-back LS-9000 and AeroMax stack up to the best of the rest, including the Mack CH600.

Don't be misled by figures that indicate merely how far the front axle of any given truck is set back. The key to set-back front axle effectiveness lies in the FABC (front-axleto-back-of-cab). This dimension, added to the CA (cab-to-axle) determines the wheelbase. A shorter wheelbase transfers more payload to the front axle.

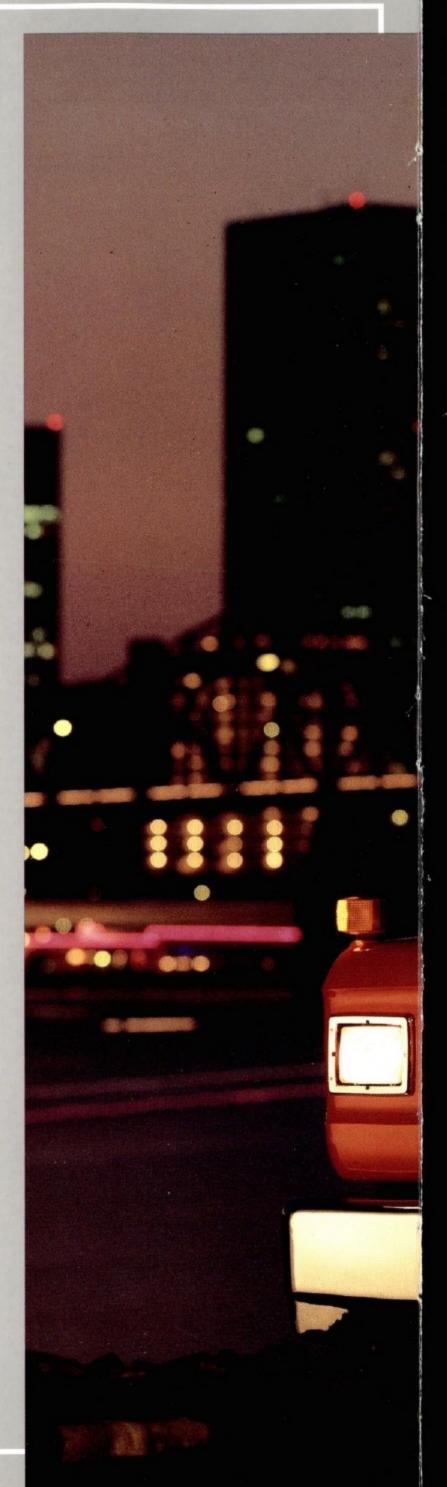
The LS and AeroMax are tops in their class in the amount of load they transfer to the front axle—a 150-pound advantage over the Kenworth T-600.

#### INCREASED MANEUVERABILITY

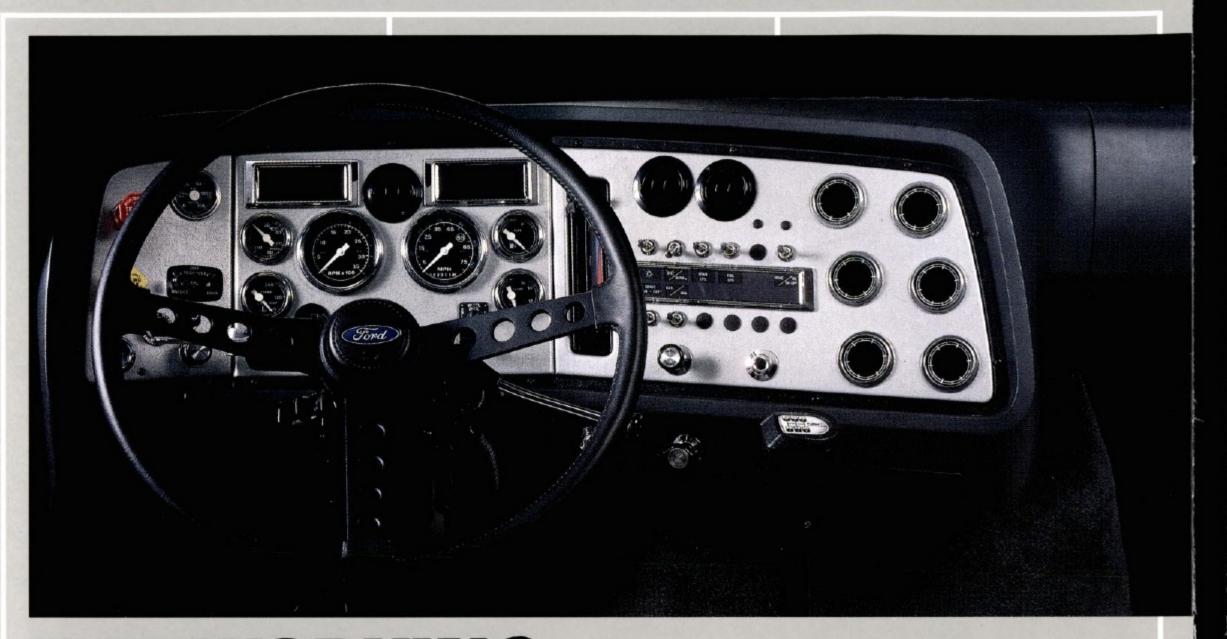
Set-back advantages don't end with better weight distribution. The shorter wheelbase of the set-back series means tighter turning radii and improved maneuverability.

The 53.30' turning diameter of the LS-9000 (with power steering, 12,000 lb. aluminum front axle and 84" CA) is over 6' less than a comparable LT-9000.

> All L-9000 Series AeroForce trucks can be spec'd with the Aerodynamic Equipment Package, shown right on an LNT-9000.







# THE WORKING ENVIRONMENT

ruckers spend a lot of time behind the wheel. That's why it's important to have the best seat in the house.

In the AeroForce you have a choice of 16 National and Bostrom seats, including Cush-N-Aire, and 715-E Series, plus three trim levels—Standard, Custom and Custom Hi-Level (except CL/CLT).

The fleet panel is standard. The full instrumentation panel (L/LTL-Series) shown above is optional. Both provide ample "belly" and knee clearance for behind-thewheel comfort.

If the working environment of your truck or fleet leaves a lot to be desired, maybe it's time to make a change. Maybe it's time to consider the AeroForce.

#### STANDARD INTERIOR TRIM

The AeroForce Standard Interior Trim (except CLT, page 16) includes: ☐ Fleet instrument panel or optional Linehaul panel | Individual, charcoal National Cush-N-Aire driver's seat □ Seat belt for driver's and, if applicable, passenger's seats 

Bright, dual inside assist handles Arm rests, both doors Ash receptacle Coat hook ☐ Dome light ☐ Double yoke safety door latches 

Heater and defroster, fresh-air All-weather ventilation 

Emergency lamp flasher Dual, vinyl charcoal sun visors 
Painted, charcoal hardboard headlining 

Black, vinyl covered rubber floor mats 
Cab back interior trim panel and

junction box cover □ Cab back insulation □ Signal stat non-cancelling turn signal switch.

#### CUSTOM INTERIOR TRIM

AeroForce Custom Interior Trim
(except CLT, page 16), in addition
or in place of standard features,
includes: 
Vinyl-covered chestnut
hardboard headlining 
Dual padded vinyl chestnut sun visors 
Dual
map pockets 
Cigarette lighter
Padded vinyl door trim panels
with painted map pockets 
Vinylcovered rubber floor mat 
Cab
back-panel insulation 
LH dooroperated dome light switch
Chestnut vinyl seat trim with
polyknit inserts.

AeroForce gauges are calibrated to indicate "condition normal" when the pointers are in the 3 o'clock position. The benefit—a quick glance is all that's needed for a critical systems check.

All AeroForce instrument panels feature aircraft-type back lights and pointers to amplify gauge readability and to minimize glare.

The optional Linehaul Instrumentation Panel (L/LTL-Series)includes:

- □ 5 climate control registers
- □ Gauge bank for optional engine temperature, transmission oil temperature and rear axle temperature gauges
   □ Warning light module.

CUSTOM HI-LEVEL INTERIOR TRIM

AeroForce Custom Hi-Level Trim (except CLT, page 16), in addition or in place of Custom features, includes: 

National Companion Lo-Back passenger seat 

21" sport steering wheel 

30 oz. floor carpeting, engine panel and dash 
Fully-padded door trim panels 
Polyknit



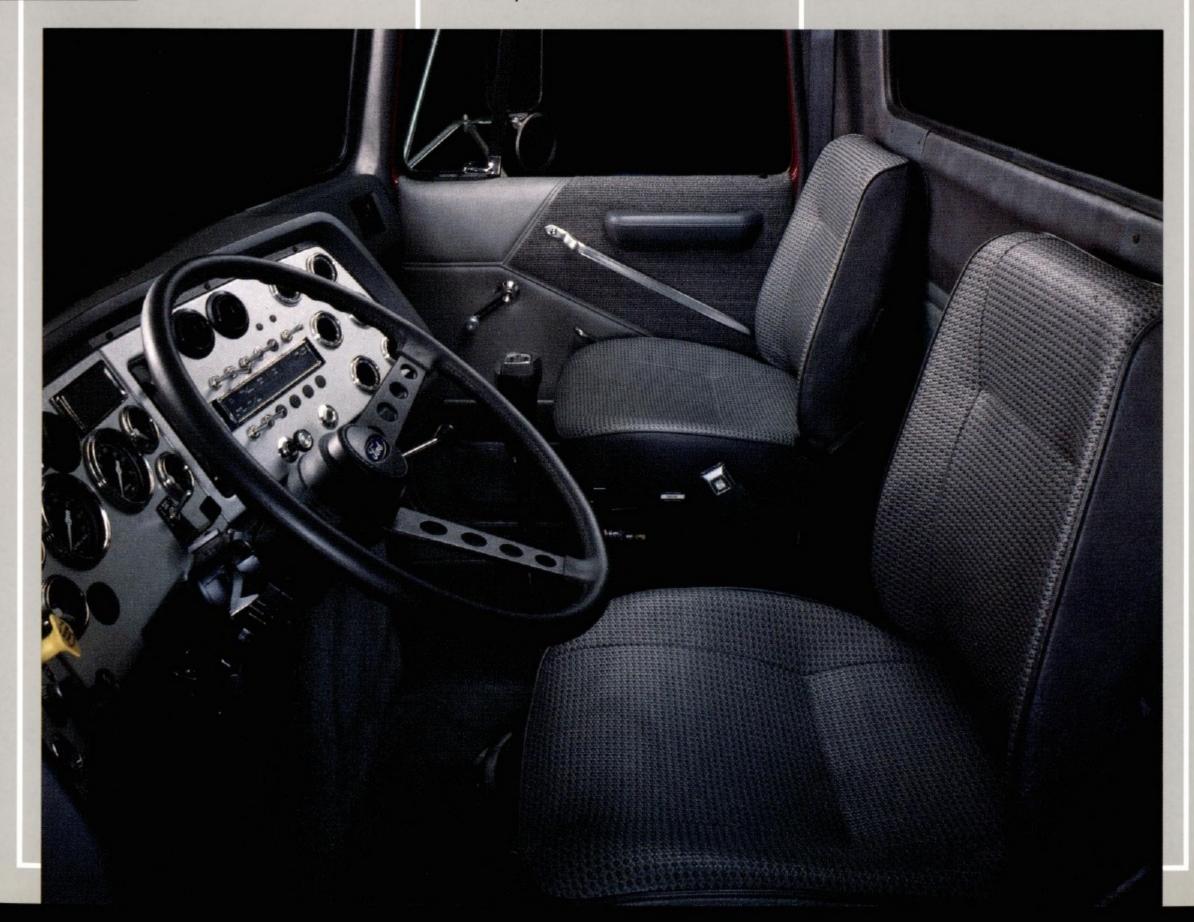
An electronic stereo radio is available as an option on AeroForce trucks. This modern system includes:

AM/FM stereo with cassette and digital clock 
6-button/18-station memory
Seek-up/seek-down.

vinyl headliner with foam padding

Dual map pockets with 18 oz.
carpet covers Door panels bright
accent bars Vinyl-covered windshield pillars and header bar
Lower cab-back carpeted panel
Upper cab-back vinyl-covered
panel Auxiliary floor mats
Radio prep package Bright
domelamp with reading lights.

L-9000 Custom Hi-Level interior features Bostrom Air Lo-Back driver's and passenger seats and 21-inch sport steering wheel. Seats shown below are Standard trim.



Notice the one-piece windshield and generous glass area in the L-Series cab: a 10.5 sq. ft. windshield, 8.3 sq. ft. side windows and a 4.4 sq. ft. rear window. The CL/CLT has an 18 sq. in. right side observation window. Windshield wipers clear a full 79% (62% for CL/CLT) of the windshield area for good visibility during inclement weather.

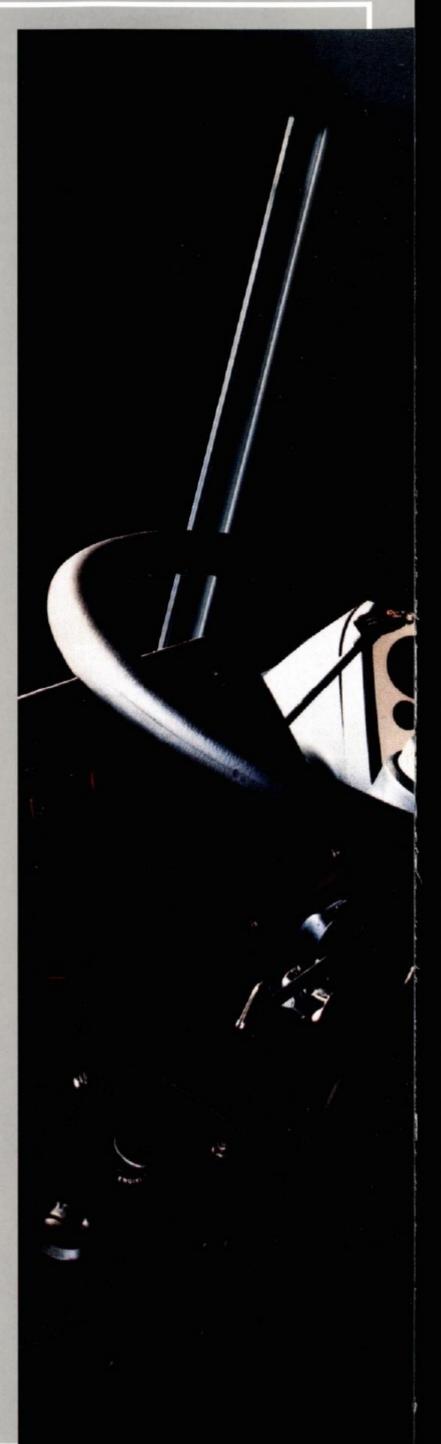
A positive working environment contributes greatly to driver productivity. AeroForce cabs are engineered with that basic fact in mind.

The CL/CLT instrument panel incorporates: □ A maintenance-free electronic speedometer □ Gauges that read "3 o'clock OK" for checking at a glance □ Hand controls plus CB radio hot post and ground for easy access □ Convenient beverage holder □ Easy-to-reach trailer brake control □ Individual climate controls for the driver, passenger and sleeper areas.



CLT instruments are mounted in a console directly ahead of the driver; the controls in a console to the right.

**C**LT-9000 interior in Hi-Level Trim with matching driver and companion Lo-Back Deluxe seats.







he AeroForce offers three sleeper models: the 34-, 42-, and 60-inch Flat-Top; the 42- and 60-inch Aero-Bullet; and the 42- and 60inch Penthouse.

New for 1990, all Ford sleepers feature Coach-Joint construction and one-piece Coremat reinforced fiberglass roofs to help reduce weight and provide a rivetless exterior appearance. A specially formed steel base results in a solid

integral sleeper foundation. Tough, 3/4" plywood floors are formed under pressure and laminated with plastic top and bottom for thermal and noise insulation. Two-inch Arctic Cold Weather insulation is optional.

#### A PENTHOUSE ROOM AT THE TOP

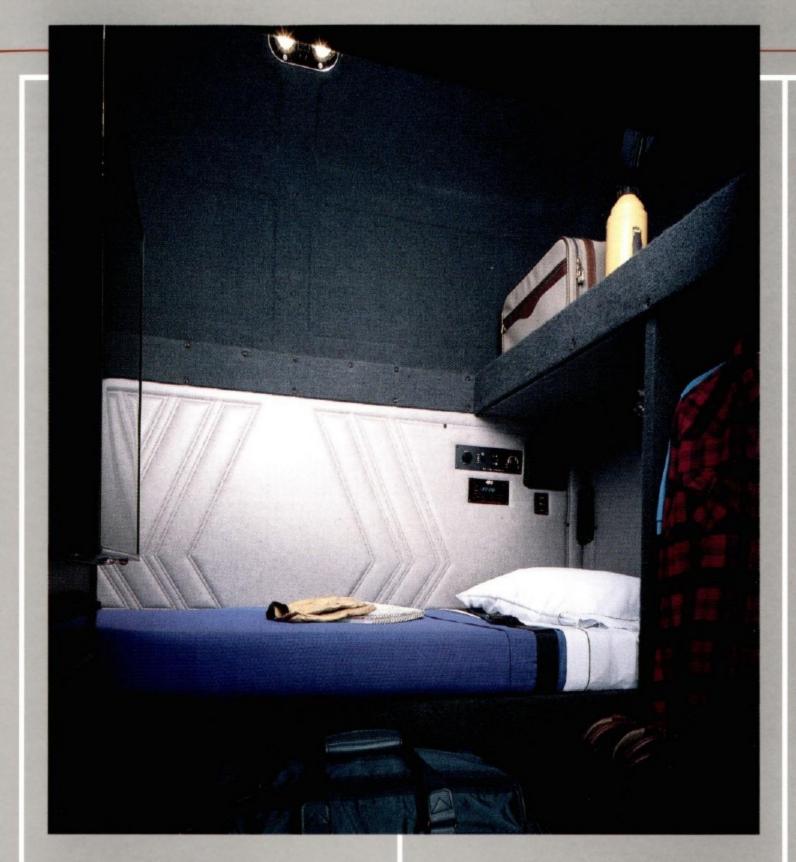
The 60-inch Penthouse Sleeper, shown above, represents the ultimate in AeroForce opulence-a room at the top.

In addition to standard features like radio speakers with controls, the Hi-Level Package includes: ☐ Digital alarm clock ☐ Deluxe heat-sealed interior 

Six-inch Deluxe Backsaver Mattress 

Twodrawer dresser w/pull-out writing surface.

Additional options include: ☐ 12V DC refrigerator ☐ Heater/air conditioning Arctic Insulation Package ☐ Upper bunk ☐ Dual tractor hook-up lights  $\square$  And more.





All AeroForce sleepers, like the 60-inch AeroBullet, shown at left, feature Coach-Joint construction and one-piece Coremat reinforced fiberglass roof.

#### THE AEROBULLET SLEEPER

The 42- and 60-inch AeroBullet sleeper features more than seven feet of stand-up room. Both models are available in Standard or Hi-Level trim.

Standard 60-inch features and options include: ☐ Walk-through opening ☐ Privacy curtain ☐ Clothes hanger ☐ Fixed upper bunk 
One dual swivel aircraft light ☐ Front to rear storage shelves 

Two clothes closets 

Two side windows with curtains 

Fourinch Backsaver Mattress 
Radio speakers with controls 

Maxiduct heater/air conditioner w/controls ☐ Dual recessed hookup lights ☐ Lift-out wood bunk surface for under-bunk access.

Standard 60-inch Hi-Level features include:

☐ Luggage compartment light ☐ Deluxe heat-sealed interior ☐ Digital alarm clock ☐ One reading light 
Cabinet with two locking drawers and pull-out writing surface 
One 12-volt power outlet ☐ One clothes closet.

Optional Hi-Level features include:

☐ Keyed-alike lock set ☐ Dual trailer hook-up lights  $\square$  Maxiduct heater 

Maxiduct heater/air conditioning 

Arctic Insulation Package 

Six-inch double bed ☐ 12V DC refrigerator ☐ Upper bunk 

Two side windows with curtains 

Side skirts.

CLT sleeper has a "Simmons" inner-spring mattress, carpeted stowage compartments with lamps plus separate climate controls for the sleeper area.

## **AEROPOWER**

uel economy is the number one priority in the Ford AeroForce. But that doesn't mean we sacrifice performance. There's a Caterpillar or Cummins engine to cover any linehaul application.

#### CUMMINS L-10 (OA) IS STANDARD

Cummins supplies 18 AeroForce engines. The compact, lightweight L-10 is standard. Options include the L-10 Formula at 240/270/300 horsepower and the L-10 Power Torque at 240/250/270/285/300 horsepower.

The Big Cam IV (OA) Series includes the Formula at 300/315/ 350/365/400 horsepower and the NTC at 315/350/365/400/444 horsepower.

BIG CAM IV: IMPROVED ENGINE PERFORMANCE AND **BRAKING EFFICIENCY** 

The Cummins Big Cam IV, in the 365/400/444 HP versions, features Step Timing Control for improved cold starting and improved durability at full operating speed; plus an optional compression brake for increased braking efficiency.

#### CUMMINS PT PACER

Available on the L-10 and NTC Series engines, the PT Pacer is a programmable electronic engine governor that limits maximum road speed. Anticipated benefits include improved fuel economy and overall performance.

### CATERPILLAR 3176

New for 1990—The Caterpillar 3176 (ATAAC) is available throughout the AeroForce, except CL/CLT, in 250/275/300/325 HP versions.

The 3176 is a lightweight, 10.3 L, in-line 6-cylinder, air-to-air aftercooled engine. Because it weighs from 700 to 900 pounds less than comparably powered 14L engines, the 3176 is a consideration in applications where weight is a critical issue.

Selected 3176 engines feature an Electronic Control Module (ECM) for improved performance and fuel economy.

#### ELECTRONIC CONTROL MODULE (ECM)

With ECM you can tailor the performance of your engine to your specific application. User-selected parameters include: low idle RPM; maximum road speed; engine/ gear speed limiting; speed control/ PTO speed control; security passwords plus engine performance diagnostics and programming.

ECM can help you cut fuel and operating costs. For example, programming maximum road speed supports the "gear fast, run slow" philosophy as a means of attaining fuel economy while keeping drivers within legal highway speeds.

So too, limiting engine gear speed can prevent governor overrun and make progressive shifting mandatory. Pre-selected engine

RPM for specific gear ranges helps ensure timely, fuel-economizing upshifts.

ECM can store diagnostic information for reading by digital diagnostic equipment to help identify and correct problems before they can cause damage. ECM can be reprogrammed to meet changing conditions.

#### PROGRAMMABLE ELECTRONIC ENGINE CONTROL (PEEC)

Selected Cat 3406B (ATAAC) diesels feature PEEC—a system identical in function to ECM, except that the individual electronic fuel injectors are mechanically operated as opposed to the electronically functional ECM injectors.

#### 325 HP "VOCATIONAL" CAT 3406B

A new offering for 1990, the Caterpillar 325 HP "Vocational" 3406B (ATAAC) is available throughout the WorkForce L-Series.

The "Vocational" 325 produces 1250 lbs.-ft. of torque at 1200 rpm. Its broad operating range and 54% torque rise make it ideal for construction applications.

#### CATERPILLAR 3306B

The Caterpillar 3306B (ATAAC) at 285 and 300 horsepower is available in the Standard and Economy models. The 3306B weighs about 800 pounds less than its 3406B counterpart. That reduction in weight could mean greater payloads and increased fuel savings in certain uses.

If the 3306 isn't what you're looking for, choose from the 3406B at 325/350/400/425 horsepower or the 3406B Economy Series at 310/350/ 400 horsepower.

Caterpillar engines feature Air-To-Air Aftercooling, full range governors and direct-injection scroll fuel systems for lower emissions plus improved fuel economy. Individual scroll-type fuel pumps for each cylinder require no balancing and maintain fuel efficiency without periodic adjustment.

### FORD TRUCK PERFORMANCE PREDICTOR

With the large number of diesel engines and modifications available today, how do you know which powertrain is best for you? There are mistakes you can make in specing a truck that you can live with. Spec'ing the wrong powertrain can be a nightmare.

Ford has taken the science of powertrain specing into the computer age with the Performance Predictor-a computer program used to analyze powertrain specifications and predict vehicle performance.

The program calculates: ☐ Startability ☐ Gradeability

- ☐ Shift points ☐ Speedability
- ☐ Reserve horsepower.

To determine powertrain performance, your Ford salesperson has to know what model truck you want, desired cruising speed, and what grade you'd like to be able to climb at cruising speed. Given that data, the Predictor then calculates minimum required horsepower and rear-axle ratio (after transmission selection) to achieve that performance.

#### **AERODYNAMICS AND** PERFORMANCE

Predictor also demonstrates what aerodynamic devices or other components can save in horsepower. If gradeability at required cruising speed can be attained, for example, with less horsepower, Predictor will calculate that. This could result not only in enhanced performance, but in dollar savings as well.

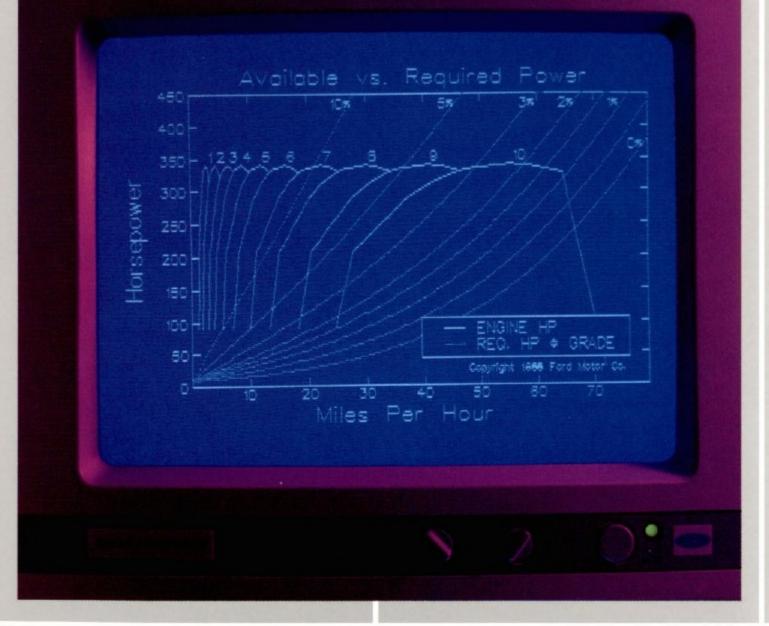
The program shows how changes in GVW or aerodynamic configuration, tire or trailer size affect reserve horsepower. And, it calculates reserve horsepower at each shift point.

Aerodynamic devices and packages are only effective if they are properly matched to each other and to your application. With Predictor you can be certain-before you spend a penny-of how they will affect your truck's actual on-road performance.

The Ford Truck Performance Predictor-one more indication of our commitment to customer satisfaction.

Ford has taken the science of powertrain spec'ing into the computer age with the Performance Predictor.

The Predictor's determination of powertrain performance is computer-generated. Actual on-road vehicle performance may vary, due to differences in operating conditions.



### BUILT FORD TOUGH

inehaul trucking. There's no tougher business going on. Independent or fleet. That's why linehaul truckers are some of the toughest business people around.

Ford AeroForce trucks are an extension of the men and women who own and operate them. From their all-welded cabs to their premium components. Ford trucks are quality-driven. Built Ford Tough.

#### THE KENTUCKY TRUCK PLANT

Ford's dedication to quality begins with our Kentucky Truck Plant (KTP). This 415-acre site, covering more than 68 acres under roof, is one of the most modern and the largest truck manufacturing facilities in the free world. It's the home of the AeroForce.

#### 200-TON COMPUTERIZED FRAME PRESS

The 200-ton computerized frame press (shown right) is a good example of KTP Quality engineering. Frame rails are automatically punched by 200-ton presses with virtually perfect accuracy and smoothness. The adjacent metal is not damaged or weakened. No unnecessary holes are drilled. The design strength of the frame rails is completely retained.

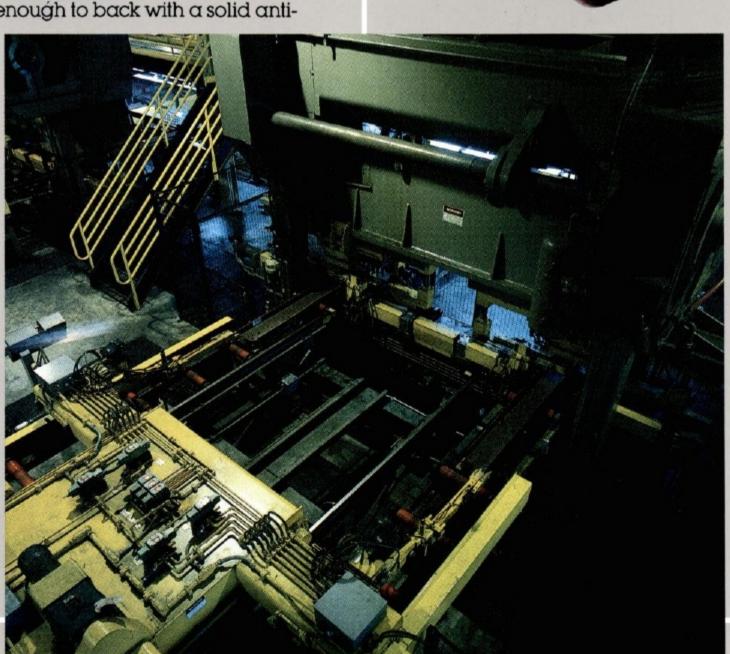
#### FORD-TOUGH CORROSION **PROTECTION**

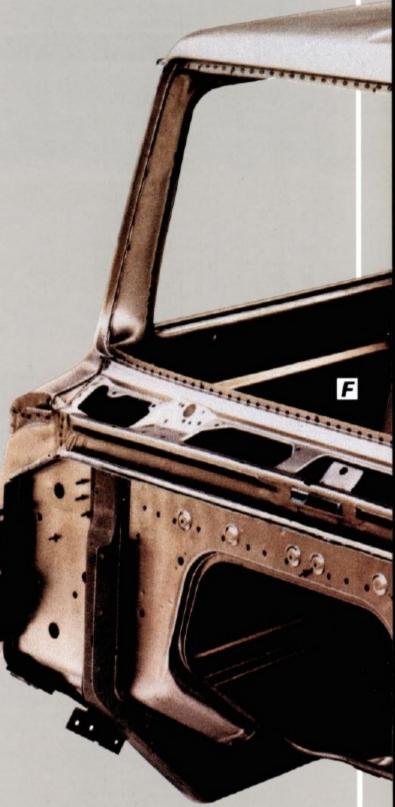
Customer satisfaction is a key priority at KTP. It begins before each

truck leaves the plant. AeroForce cabs are fully immersed in a patented priming material called "Uniprime™"—thicker, smoother and better at reaching nooks and crannies than the E-coat material previously used. A high-voltage charge then bonds the primer to the metal.

In addition, sealers and special coatings are applied to critical areas for optimized corrosion protection. And finally, a sealer bake oven and "paint prep" sanding process help guarantee a superior finish on all AeroForce cabs.

Just how good do we think our anti-corrosion story is? Good enough to back with a solid anti-





G

corrosion warranty that covers 100% parts and labor for 60 months/ unlimited mileage-with matching coverage on cab structural integrity.

AeroForce cabs. Built Ford Tough. Backed Ford Tough.

The Kentucky Truck Planthome of the AeroForce-is the largest truck manufacturing facility in the free world. At KTP Quality is Job 1.

#### ALL-WELDED CAB CONSTRUCTION

All exterior sheet metal on Aero-Force conventional cabs is made of double-sided galvanized steel. Other notable construction features include:

- (A) Windshield header and roof siderails are of box-section construction for toughness. The roof panel is contoured for stiffness.
- (B) Reinforcements at door opening frame assembly and at

door pillar hinge attachment areas provide added strength. Door hinges are rugged conventional

- (C) Double-wall cowl arch adds structural rigidity to the door pillars.
- (D) Floor pan, toeboard and dash panel are of .054-inch electrogalvanized steel thickness with floor pan reinforcements located for added support for the engine access cover and seat arrangements.
- (E) Front and rear cross sills, inside and outside truck frame side members, and an intermediate cross sill provide strong underbody support.
- (F) Doors are constructed of single-piece inner and outer panels welded into a rigid structure. Wedge door stabilizers are used top and bottom of the door openings to hold doors in proper alignment.
- (G) Complete cab interior is lined with thick sound absorbing, temperature insulating material.

#### FIBERGLASS TILTING HOOD

AeroForce conventional cabs feature a fiberglass tilting hood and fender assembly. Steel reinforcements are added in high stress areas such as hinge attachments, grill opening and headlamp areas for added strength and durability.

The fiberglass assembly is resistant to rust, chipping, peeling, corrosion, rot and moisture. It is unaffected by temperature variations and presents a relatively maintenance-free finish

Positive-lock aluminum hood latches are employed to maintain hood stability and alignment.

#### FOUR-POINT CAB MOUNTING

AeroForce conventional cabs employ a four-point mounting system. Shock and stress are absorbed by the movement of the rubber mounts rather than by compression for a more comfortable ride.

### THE FORD WORK-READY PROGRAM

ord makes it easy for you to get the right truck for your application through our Work-Ready Program. Work-Ready trucks are pre-engineered from proven specifications. They're available for quick delivery. Plus, they carry Extended Service Coverage (ESC) at no extra charge.

ESC-A SAVINGS OF UP TO \$1,800

ESC helps you drive down the cost of ownership by tripling the coverage of your basic warranty protection on many items. ESC on

Work-Ready AeroForce trucks carries full parts and labor protection on the total vehicle for 36 months/ 300,000 miles. Purchased separately, that's a manufacturer's suggested retail price savings of up to \$1,800.

#### WORK-READY "FLEX OPTIONS"

Work-Ready trucks fit the truck to the job. They're pre-spec'd to deliver the right frame, powertrain and suspension/axle capacities for a range of given applications.

Yet, they're flexible enough to allow substitutions on items like paint color, wheels and tires.

ESC Co	AeroForce verage vs. Basic W	arranty							
Component	Coverage Period: Months/N Basic Warranty ESC Cove								
Total Vehicle* L-9000 Series All Others†	12/50,000 12/100,000	36/300,000 36/300,000							
Drivetrain Clutch: L-9000 Series	36/300,000 12/50,000	60/500,000 60/500,000							
All Others†	12/100,000 60/unlimited	60/500,000 60/unlimited							
A/C CL/CLT-9000 All Others‡	36/unlimited 12/unlimited	36/unlimited 36/300,000							
Cab Corrosion Cab Structure	60/unlimited 60/unlimited	72/unlimited 72/unlimited							

Excluding tires, non-Ford-branded batteries, and maintenance items. Engines are warranted by the manufacturer.
†AeroMax; LL/LTL; CL/CLT.
‡AeroMax; LL/LTL; L-9000 Series.



Work-Ready units are preengineered for optimum fuel economy and linehaul performance. Two sample specifications are shown below.

See your Ford Dealer for a complete list of Work-Ready models.

# -TA-9000-004 Front GAWR:

PERFORMANCE DATA BODY/PAYLOAD WEIGHT DISTRIBUTION (Water Level Loading)

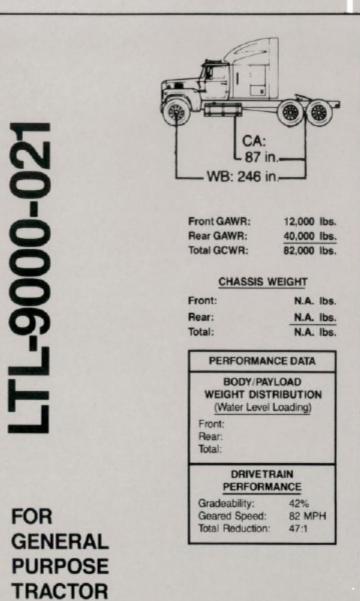
DRIVETRAIN PERFORMANCE

Total Reduction: 47:1

Gradeability: Geared Speed:

FOR **GENERAL PURPOSE** TRACTOR

10	s	AXLE, FRONT: 12,000 lb. – Steel (Std.)	26		INSTRUMENTS/GAUGES/SWITCHES/ WARNING DEVICES:
11	s	AXLE, REAR: 40,000 lb. Rockwell RT-40-145 (3.73) (11FB00) (Std.)	26AG00	0	Instrument Panel, Linehaul Full Instrumentation Gauges—Direct Reading, Air Press., Oil Press. (Std.)
13	s	AXLE EQUIPMENT/DRIVELINE: Magnetic Traps—Drain & Fill Plugs (Std.)	26AR00 26AP00	0 0	-Electric, Voltmeter, Coolant Temp., Fuel (StdTemp., Engine Oil, Electric -Temp., Trans. Oil
13AY00	S	Power Steering (Std.) Shock Absorbers, Front (Std.) Wheel Seals—Front, Wet Type	26AN00 26B100	0	-Temp., Rear Axle Lube -Air Cleaner Restriction, Inst. Panel Mtd.
13A000	0	-Rear, Wet Type Greaseable Drag Link and Tie Rods (Std.)	26A200	0	Warning Lights w/Buzzer, Low Oil Press., Low Coolan Level and High Coolant Temp.
13AP00	0	Brake Drums, Centrifuse —Front	26AY00 27 27AF00	0	Warning Light, High Engine Oil Temp.  ELECTRICAL: Cab Marker Lights, Bright Rectangular
13AR00 16	0	BRAKES, SERVICE:	28 28AH00	0	ALTERNATOR: 90 Amp. 1350 Watt Motorcraft
19	S	Air Brakes-Front, Cam Type 15"x4" (Std.) -Rear, Cam Type 16-1/2"x7" (Std.) BRAKE EQUIPMENT:	29 29AH00	1	BATTERIES/BOXES/CABLES: Batteries, Maintenance-Free, Motorcraft 12 Volt
19A600	0 S	Compressor—Bendix 15.5 CFM Parking Brake—Maxi II Spring-Set Rear Axle (Std.)	30		Four 625 CCA (93 AmpHr.)  ENGINE:
19AL00	S	Slack Adjusters—Auto. Front and Rear (Std.) Moisture Ejectors, Auto.	30B100 32	0	Caterpillar E-3406B (ATAAC) (400 HP @ 1800 RPM)  EXHAUST:
19A700 20	0	Air Dryer, Bendix BD-9 TRACTOR EQUIPMENT:	32AX00	D	Dual Horizontal Mufflers, Bright Vertical Pipes, Free Standing Back of Sleeper (Incl. Bright Rain Caps)
20AD00	0	Tractor Package—Unitized (Incl. 12' Coiled Lines)  SLEEPER:	36 36A600	1	CLUTCH: Spicer 15-1/2", 2-Plate Ceramic, Self Adjusting
21AJ0E 21BW0E 21PG0E	DDD	42" Aero Hi-Level Sleeper, Charcoal Trim Sleeper Heater & Air Conditioner Sleeper Exterior: "Mariah" Paint Design	37	SS	ENGINE EQUIPMENT: Air Cleaner, Single-Stage Dry-Type (Std.) Fan Clutch (Std.)
22 22AE00	0	CAB: Conventional Cab w/Custom Hi-Level Interior, Incl. Charcoal Polyknit Vinyl Seat Trim		SS	Throttle, Locking T-Handle (Std.) Filter-Coolant, Fleetguard Spin-On Type (Std.) -Fuel, Engine Mounted (Inc.)
22MT00	0	Exterior Color, Raven Black w/Lt. Smoke Met. Stripe Color Combination "04", "Mariah" Paint Design (0PAD00)	37A900 37AP00	00	-Oil, Full Flow Spin-On (Inc.) Silicone Hose Pkg. Starting Aid, Ether
23 23A900	^	CAB EQUIPMENT/EXTERIOR:	40	S	FRAME: 13.3 SM-110,000 PSI Single Channel, All Bolted (Std.
23A900	0   5	Windshield Molding, Bright Tinted Glass All Around (Inc.) Horns-Single Electric (Std.)	43 43A400	0	FUEL TANKS: Dual 125 Gallon, Alum. Integral Rect.
23CX00 23AM00	00	-Dual Air, Hadley Rectangular Mirrors, Dual Western Lighted & Heated-SS	46	s	SUSPENSION, FRONT: 12,000 lb. Capacity Taper Leaf (Std.)
23BP00 23AY00	D	w/Aux. Convex Mirror Brackets for 102" Wide Trailers Windshield Wipers, Air	47 47B800	0	SUSPENSION, REAR: 40,000 lb. Hendrickson HA-400 Air w/Transverse Torque Rods, 52" Spacing
24	0	CAB EQUIPMENT/INTERIOR:	47CT00 50/52 TR	D	Air Bag Dump Valve TIRES-WHEELS, FRONT:
24AJ00 24AG00	1	Air Conditioning, Integral w/Heater Cigar Lighter (Inc.) Radio, AM/FM Stereo w/Cassette	50GB00 52BF00	0	(2) 285/75R24.5 G Goodyear G159 (Hwy.) (2) 24.5x8.25 10-Hole Pol. Alum. Disc
24AH00 24A000	0 8 0	Radio Hot Post and Ground Map Pocket, LH Door (Std.) Steering Column, Adjustable	51/53 TR 51GB00 53BF00	0	TIRES-WHEELS, REAR: (8) 285/75R24.5 G Goodyear G159 (Hwy.) (8) 24.5x8.25 10-Hole Pol. Alum. Disc
25 25B300 25B400	0	SEATING: Driver-National Hi-Back, Air Susp. Passenger-National Hi-Back, Air Susp.	56 56BL00	1	TRANSMISSION: 9-Speed Overdrive, Fuller RTX-14609B (Inc. Trans. Oil Cooler)



Chassis-Cab Specifications (DSO Vehicle) INSTRUMENTS/GAUGES/SWITCHES/ WARNING DEVICES: Instrument Panel, Linehaul Full Instrumentation AXLE, REAR: AXLE, REAR:
40,000 lb. Rockwell RT-40-145 (3.73) (11FB00)

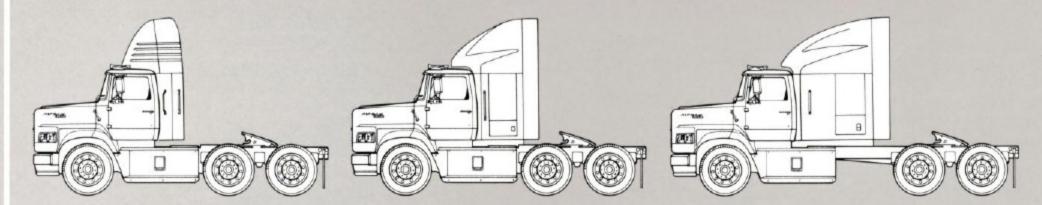
AXLE EQUIPMENT/DRIVELINE:
Magnetic Traps—Drain & Fill Plugs (Std.)
Power Steering
Shock Absorbers, Front
Wheel Seals—Front, Wet Type
—Rear, Wet Type
Greaseable Drag Link and Tie Rods (Std.)
Hubs, Aluminum (Incl. Centrifuse Brake Drums)
—Front pes-Direct Reading, Air Press., Oil Press. (Std.)
-Electric, Voltmeter, Coolant Temp., Fuel (Std.) - Temp., Engine Oil, Elec.
- Temp., Trans. Oil
- Temp., Rear Axle Lube
Warning Lights w/Buzzer, Low Oil Press., Low Coolant
Level and High Coolant Temp. 26AR00 26AP00 26AN00 26A200 13BT00 13AB00 13AY00 13A000 ALTERNATOR: 90 Amp, 1350 Watt Motorcraft BATTERIES/BOXES/CABLES: Batteries, Maintenance-Free, Motorcraft 12 Volt Four 625 CCA (93 Amp.-Hr.) Air Brakes-Front, Cam Type 15"x4" (Std.)

-Rear, Cam Type 16-1/2"x7" (Std.) Cummins NTC-444 \*BC IV\* (OA) Diesel (444 HP @ 2100 RPM) Compressor—Bendix 15.5 CFM
Parking Brake—Maxi II Spring-Set Rear Axle (Std.) Dual Horizontal Mufflers w/Bright Vertical Pipes, Free Standing (Incl. Bright Rain Caps) 32AX01 Slack Adjusters—Auto. Front and Rear (Std.) Moisture Ejectors, Auto. Air Dryer, Bendix AD-9 CLUTCH: Spicer 15-1/2", 2-Plate Ceramic, Self Adjusting
ENGINE EQUIPMENT: 19A700 TRACTOR EQUIPMENT: Air Cleaner, Single-Stage Dry-Type (Std.) Fan Clutch (Std.) Tractor Package-Unitized (Incl. 12' Coiled Lines SLEEPER: Throttle, Hand Control, Vernier Type
Filter-Coolant, Fleetguard Spin-On Type (Std.)
-Fuel, Engine Mounted (Std.)
-Oil, Cummins Bypass Type Eng. Mounted (Std.) 60" Aero Hi-Level Sleeper, Charcoal Trim Sleeper Heater & Air Conditioner 37AD00 Sleeper Exterior: "Fast Lane" 22AL00 Conventional Cab w/Dual Hi-Level Trim, Starting Aid, Ether Incl. Charcoal Interior Exterior Color, Diamond White, Dk. Shadow Cummins Engine Brake w/In-Cab Controls 37AT00 22MT00 FRAME: Blue Met., Bahama Blue, Color Comb. "01", "Fast Lane" Paint Design (0PAY00) 13.3 SM-110,000 PSI Single Channel, All Bolted (Std.) FUEL TANKS/SYSTEM: CAB EQUIPMENT/EXTERIOR: Dual 150 Gallon, Polished Alum. Cylindrical Chrome Fuel Tank Straps SUSPENSION, FRONT: 43CM00 44AD00 Custom Hi-Level Exterior (Inc.) Tinted Glass All Around Inc.) Horns-Single Electric (Std.)

-Dual Air, Hadley Rectangular (Inc.)

Mirrors, Dual Western Lighted & Heated-13,600 lb. Capacity Taper Leaf
SUSPENSION, REAR:
40,000 lb. Hendrickson HA-400 Air w/Transverse SS w/Aux. Convex Mirror Brackets for 102" Wide Trailers Torque Rods, 52" Spacing (2) 11R24.5 G Goodyear G159 (Hwy.)
 (2) 24.5x8.25 10-Hole Polished Alum. Disc Air Conditioning, Integral w/Heater Cigar Lighter (Inc.) Radio, AM/FM Stereo w/Cassette TIRES-WHEELS, REAR: (8) 11R24.5 G Goodyear G167A (Grp. IV) (8) 24.5x8.25 10-Hole Polished Alum. Disc Map Pocket, LH Door (Std.) Steering Column, Adjustable SEATING: TRANSMISSION: 13-Speed Overdrive, Fuller RTO-14613 (Inc. Transmission Oil Cooler) Driver-National Hi-Back, Air Susp. Passenger-National Hi-Back, Air Sus 56BF00

### AEROMAX SPECIFICATIONS



		SINGLE AXLE	TANDEM AXLE					
SERIES		LA-9000	LTA-9000					
GVWR (lbs.)	Std.	33,000	46,000					
GCWR (lbs.)	Max.	80,000	82,000#					
AXLE, FRONT	Std.	12,000	12,000					
Max. Rating (lbs.)	Max. Opt.	12,000	16,000					
AXLE, REAR	Std.	23,000 Rockwell RS-23-160	40,000 Rockwell RT-40-145					
Max. Rating (lbs.)	Max. Opt.	23,000	46,000					
BRAKES, SERVICE	Std.	Air	Air					
SPLIT SYSTEM	Opt.		Power-Disc					
BRAKES, PARKING	Std.	Maxi II Spring Set	Maxi II Spring Set					
	Opt.	MGM Spring Set	MGM Spring Set					
ENGINE†	Std.	Cummins L-10 (OA) Formula 270 hp.	Cummins L-10 (OA) Formula 270 hp.					
	Opt.	Cummins L-10 (OA) Formula 240/300 hp. Power Torque 240/250/270/285/300 hp. Cummins "Big Cam IV" (OA) Formula 300/315/350 hp. NTC 315/350 hp. Caterpillar 3176 (ATAAC) 250/275/300/325 Caterpillar Economy 3176 (ATAAC) 250/275/300/325 Caterpillar 3306B (ATAAC) 285/300 hp. Caterpillar 3406B (ATAAC) 325/350 hp. Caterpillar Economy 3306B (ATAAC) 285/300 hp. Caterpillar Economy 3306B (ATAAC) 310/350 hp. Caterpillar Economy 3406B (ATAAC) 310/350 hp.	Cummins L-10 (OA) Formula 240/300 hp. Power Torque 240/250/270/285/300 hp. Cummins "Big Cam IV" (OA) Formula 300/315/350 hp. NTC 315/350 hp. NTC 315/350 hp. Caterpillar 3176 (ATAAC) 250/275/300/325 Caterpillar Economy 3176 (ATAAC) 250/275/300/325 Caterpillar 3306B (ATAAC) 285/300 hp. Caterpillar 3406B (ATAAC) 325/350/400 hp. Caterpillar Economy 3306B (ATAAC) 285/300 hp. Caterpillar Economy 3406B (ATAAC) 310/325/350/400 hp.					
CLUTCH	Std.	14" 2-plate	14" 2-plate					
TRANSMISSION	Std.	9-Speed Direct	9-Speed Direct					
	Opt.	7-, 9-, 10-Speed Direct 13-Speed Overdrive 5-Speed Automatic	7-, 9-, 10-, 15-Speed Direct 8-, 9-, 10-, 13-, 15-Speed Overdrive 5-Speed Automatic					
FRAME*	Std.	131"-143" WB-1,183,600 RBM 155"-239" WB-1,463,000 RBM	1,463,000 RPM					
	Max. Opt.	1,749,000 RBM*	1,749,000 RBM*					
SUSPENSION, FRONT	Std.	12,000 (lbs.)	12,000 (lbs.)					
(lb.) combined at ground	Max. Opt.	13,200 (lbs.)	16,000 (lbs.)					
SUSPENSION, REAR	Std.	21,000 (lbs.)	36,000 (lbs.)					
(lb.) combined at ground	Max. Opt.	23,000 (lbs.)	46,000 (lbs.)					
AUXILIARY SPRINGS	Std.	Single leaf						
POWER STEERING		Standard	Standard					
WHEELS	Std.	10-Hole Steel Disc	10-Hole Steel Disc					
	Opt.	10-Hole Aluminum; Cast Spoke	10-Hole Aluminum; Cast Spoke					
TIRES	Std.	Goodyear 11R 22.5G (14)	11R 22.5G (14)					
	Opt.	Tube/Tubeless Bias Ply/Radial	Tube/Tubeless Bias Ply/Radial					

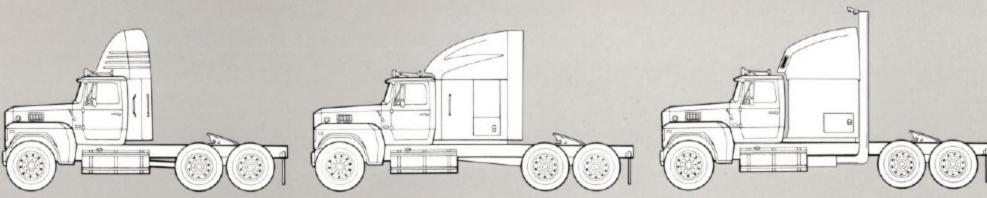
\*RBM = Yield Strength x SM. #138,000-lb. turnpike rating available. †Selected Cat engines feature Programmable Electronic Engine Control (PEEC). See your Ford Dealer for availability.

 WB
 131"\*
 143"
 155"
 167"
 185"
 203"
 215"
 227"
 239"

 CA
 72"
 84"
 96"
 108"
 126"
 144"
 156"
 168"
 180"

\*LA-9000 only.

## LTL-9000 SPECIFICATIONS



	S	INGLE AXLE	TANDEM AXLE							
SERIES		LL-9000		LTL-9000						
	STANDARD	OPTIONAL	STANDARD	OPTIONAL						
GVWR (lb.) Max.	33,200	35,000	46,000	62,000						
GCWR (lb.) Max.	80,000	_	82,000*	_						
AXLE, FRONT Rating (lb.)	12,000 Steel	10,000 Steel 12,000 Aluminum	12,000 Steel	12,000 Aluminum 16,000 Steel						
AXLE, REAR Rating (lb.)	23,000 Rockwell RS-23-160	23,000 Rockwell RS-23-160;** RS-23-180 <sup>+†</sup>	40,000 Rockwell RT-40-145	46,000 Rockwell RT-46-160, RT-46-160P 40,000 lb. RT-40-145P						
BRAKES, SERVICE Air, Cam-type	15" x 4"F, 16½" x 7"R	161/2" x 5"F w/12,000 lb. front axle	15" x 4"F, 16½" x 7"R	Twin Piston Power Front Disc for 16,000 lb front axle; 161/2" x 5"F w/12,000 lb. front axle						
RAKE, PARKING Maxi II Spring Set		MGM Spring Set	Maxi II Spring Set	MGM Spring Set						
ELECTRICAL Alternator	75 amp. Motorcraft	85 amp. Delco 90 amp. Motorcraft 105 amp. Leece-Neville#/Delco	75 amp. Motorcraft	85 amp. Delco 90 amp. Delco/Motorcraft 105 amp. Leece-Neville#/Delco						
BATTERY Maintenance-free Motorcraft	2 625 CCA (with L-10 and 3176) 3 550 CCA (with "Big Cam IV" and 3406)	3 550 CCA 4 550 CCA 3 or 4 625 CCA 3 or 4 625 CCA "Cycle Power"	2 625 CCA (with L-10 and 3176) 3 550 CCA (with "Big Cam IV" and 3406)	3 550 CCA 4 550 CCA 3 or 4 625 CCA 3 or 4 625 CCA "Cycle Power"						
ENGINE*	Cummins: L-10 (OA) Formula 270	Cummins L-10 (OA) Power Torque 270/300 Formula 300 Cummins "Big Cam IV" (OA): Formula 300/315/350/365 NTC 315/350/365 Cat 3176 (ATAAC) 275/300/325 Cat Economy 3176 (ATAAC) 275/300/325 Cat 3406B (ATAAC) 325/350 Economy 3406B (ATAAC) 310/350	Cummins: L-10 (OA) Formula 270	Cummins L-10 (OA):     Power Torque 270/300     Formula 300 Cummins "Big Cam IV" (OA):     Formula 300/315/350/365/400     NTC 315/350/365/400/444 Cat 3176 (ATAAC) 275/300/325 Cat Economy 3176 (ATAAC)     275/300/325 Cat 3406B (ATAAC) 325/350/400/425     Economy 3406B (ATAAC) 310/350/400						
CLUTCH	14-inch, 2-Plate	15½", 2-Plate ("Big Cam IV" Formula 300 and Cat 3176); self-adjusting	14-inch, 2-Plate	151/2", 2-Plate ("Big Cam IV" Formula 300 and Cat 3176); self-adjusting						
TRANSMISSION	9-Speed Direct	7-, 9-, 10-Speed Direct; 9-, 13-Speed Overdrive	9-Speed Direct	7-, 9-, 10-, 15-Speed Direct 8-, 9-, 10-, 13-, 15-Speed Overdrive						
FRAME	1,463,000 RBM##	2,860,000 RBM	1,463,000 RBM##	3,300,000 RBM (Max.)						
FUEL TANKS	Aluminum: 65-gal., LH 20-inch Dia.	Dual Aluminum: 65/95/120-gal. Dual Polished Aluminum: 95-gal. Steel "D-Type": 50/75-gal.	Aluminum: 65-gal., LH 20-inch Dia.	Dual Aluminum: 65/95/120-gal. Dual Polished Aluminum: 95-gal. Steel "D-Type": 50/75-gal.						
STEERING	Manual	Power	Manual	Power						
SUSPENSION, FRONT (lb.) combined at ground	12,000	10,000; 11,000; 13,200 (Severe Duty)	12,000	11,000; 13,200 (Severe Duty); 16,000						
SUSPENSION, REAR (lb.) combined at ground	23,000	24,500	36,000 Hendrickson E4-360	A range of Hendrickson Suspensions from 34,000 lb. to 46,000 lb. capacity; also Neway 44,000 lb. air						
WHEELS	10-Hole Steel Disc	Cast Spoke, 10-Hole Aluminum Disc	10-Hole Steel Disc	Cast Spoke, 10-Hole Aluminum Disc						
TIRES, @ Tubeless Radial	Goodyear 11R 22.5G	See your Ford Dealer.	Goodyear 11R 22.5G	See your Ford Dealer.						

\*138,000 Turnpike Rating available. \*\*Aluminum carrier. †Steel or aluminum carrier. †Steel or aluminum carrier. †Severe duty, with or without aluminum carrier. #N.A. with Cummins engine. ##RBM = Yield Strength x PSI.

1,749,000 lbs. w//258" WB. †Selected Cat engines feature Programmable Electronic Engine Control (PEEC). See your Ford Dealer for availability. @Equivalent tubeless, tubeless flotation, tube and tube-type radials available. 

\*\*Late availability.

DIMENSIONS LL/LTL-9000

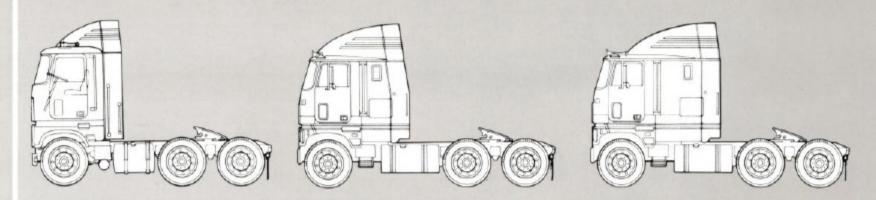
WB	CA	AF	OAL
174"	87"	63"	266"
186"	99"	63"	278"
204"	117"	75"	308"

WB	CA	AF	OAL
222"	135"	75"	326"
234"	147"	126"	389"
246"	159"	126"	401"
258"	171"	126"	413"

Dimensions are for base models with standard equipment and do not include cab clearance and identification lights. Special wheel-bases available up to 306 inches.



# CLT-9000 SPECIFICATIONS



		SINGLE AXLE	TANDEM AXLE							
SERIES		CL-9000		CLT-9000						
	STANDARD	OPTIONAL	STANDARD	OPTIONAL						
GCWR (lb.) Max.	80,000		82,200	127,000 (turnpike rating)						
GVWR (lb.) Max.	33,200	35,000	48,000	51,100						
AXLE, FRONT (lb.)	12,000 Steel	12,000 Aluminum	12,000 Steel	12,000 Aluminum; 13,100 Steel						
AXLE, REAR Rating in lb.	23,000 Rockwell RS-23-160	23,000 Rockwell RS-23-160* 23,000 Rockwell RS-23-180**	40,000 Rockwell RT-40-145	40,000 Rockwell RT-40-145P						
BRAKES, SERVICE Air, Cam-type	15" x 4" F 16½" x 7" R		15" x 4" F 16½" x 7" R	_						
BRAKE, PARKING	Maxi II Spring Set	MGM Spring Set	Maxi II Spring Set	MGM Spring Set						
ELECTRICAL: Alternator	75 amp. Motorcraft	90 amp. Motorcraft 85 or 105 amp. Delco 90 or 105 amp. Leece-Neville <sup>†</sup>	75 amp. Motorcraft	85 or 105 amp. Delco 90 or 105 amp. Leece-Neville† 90 amp. Motorcraft						
BATTERY Maintenance-free	2-625 CCA (w/L-10) 3-550 CCA (all other)	3 or 4 625 CCA, 3 or 4 550 CCA 3 or 4 625 CCA "Cycle Power"	2-625 CCA (w/L-10) 3-550 CCA (all other)	3 or 4 625 CCA, 3 or 4 550 CCA 3 or 4 625 CCA "Cycle Power"						
ENGINE	Cummins L-10 (OA) Formula 270	Cummins L-10 (OA): Formula 300 Power Torque 270/300 Cummins "Big Cam IV" (OA): Formula 300/315/350/365 NTC 315/350/365 Caterpillar: 3406B (ATAAC) 350 Economy 3406B (ATAAC) 310/350	Cummins L-10 (OA) Formula 270	Cummins L-10 (OA): Formula 300 Power Torque 270/300 Cummins "Big Cam IV" (OA): Formula 300/315/350/365/400 NTC 315/350/365/400/444 Caterpillar: 3406B (ATAAC) 350/400/425 Economy 3406B (ATAAC) 310/350/400						
FRAME	1,085,700 RBM Steel		1,215,500 RBM Steel	-						
FRAME 1,085,700 RBM Steel  FUEL TANKS <sup>††</sup> (Gallons) 75 Dual Steel (Cyl.)		CYLINDRICAL 95 Dual Steel, Alum. or Polished Alum. 120 Dual Alum. 150 Dual 29" Dia. Polished Alum. INTEG./RECTANGULAR w/CARRIER 100 Dual Steel or Alum; 125 Dual Steel	75 Dual Steel (Cyl.)	CYLINDRICAL 95 Dual Steel, Alum. or Polished Alum. 120 Dual Alum. 150 Dual 29" Dia. Polished Alum. INTEG./RECTANGULAR w/CARRIER 100 Dual Steel or Alum; 125 Dual Steel						
SUSPENSION, FRONT-Combined Rating (lb.) @ Ground	13,100	12,000; 12,000 Taper Leaf	13,100	12,000; 12,000 Taper Leaf						
SUSPENSION, REAR-Combined Rating (lb.) @ Ground	23,000	23,000 Low Deflection	36,000 E4-360	A range of Hendrickson suspensions from 34,000 lb. to 40,000 lb. capacity.						
TRANSMISSION	9-Spd. Fuller RT-11609A	7-Spd. Spicer PS140-7; Fuller T-8607A 9-Spd. Fuller RT-11609A, RT-14609A 9-Spd. OD Fuller RTX-11609B, RTX-14609B 10-Spd. Fuller RT-14610, RT-11610 13-Spd. OD Fuller RTO-11613, RTO-14613	9-Spd. Fuller RT-11609A	7-Spd. Spicer PS140-7, Fuller T-8607A 9-Spd. Fuller RT-11609A, RT-14609A 9-Spd. OD Fuller RTX-11609B, RTX-14609B 10-Spd. Fuller RT-14610, RT-11610 13-Spd. OD Fuller RTO-11613, RTO-14613						
TIRES	Goodyear 11Rx22.5-14	Tube, Tubeless & Tubeless Radials	Goodyear 11Rx22.5-14	Tube-type, Tubeless and Tubeless Radials						
WHEELS	10-Hole Steel Disc	Cast Spoke, 10-Hole Disc‡‡	10-Hole Steel Disc	Cast Spoke, 10-Hole Disc‡‡						

\*Aluminum carrier. \*\*Severe duty w/steel or alum. carrier. †NA w/L-10 engine. ††See your Ford Dealer for additional options. ‡Special order option. †Aluminum or polished aluminum. (OA) = Optimized Aftercooling.

74"

82"

CA w/these BBC's:

84"

98"

106"

CL-9000

OAL 189"

195"

203"

211"

DIMENSIONS

WB

120"

126"

142"

CLT-9000

DIMENSIONS

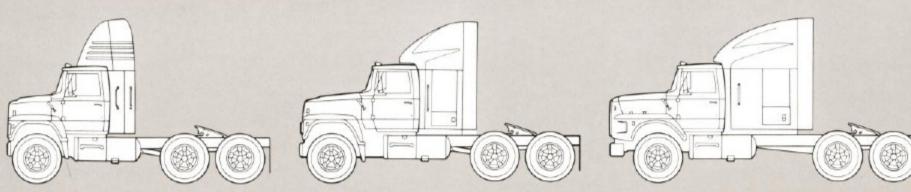
DIMENSIONS CLT-9000

	CA in.	CA in. w/these BBC's:							
WB	64"	88"	110"	OAL*					
142"	106"	82"	_	224"					
145"	109"	85"	-	227"					
148"	112"	88"	_	230"					
152"	116"	92"	_	234"					
163"	128"	104"	81"	245"					
178"	142"	118"	96"	260"					

	CA in.	w/these E	BBC's:	
WB	64"	88"	110"	OAL*
186"	150"	126"	104"	268"
204"	168"	144"	122"	286"
246"†	210"	186"	164"	328"

\*Add 7.2" w/60" walking beams.
†246" WB includes Pogo Stick and Deck Plate (except straight truck models). Dimensions are for base models w/standard equipment. NOTE: Dimensions do not include cab clearance and identification lights, horns or mirrors.

## L-9000 SPECIFICATIONS



		SINGLE AXLE	TANDEM AXLE	SET-BACK	FRONT AXLE			
		SERIES	SERIES	SINGLE	TANDEM			
SERIES		L- & LN-9000	LT- & LNT-9000	LS-9000	LTS-9000			
GVWR (lb.)	Max.	35,000	64,000	39,000	66,000			
GCWR (lb.)	Max.	80,000	82,000†	80,000	82,000†			
AXLE, FRONT	Std.	9,000	9,000	12,000	12,000			
Max. Rating (lb.)	Max. Opt.	16,000*	18,000	16,000	20,000			
AXLE, REAR Max. Rating (lb.)	Std.	23,000 Rockwell RS-23-160	34,000 Rockwell RT-34-145	23,000 Rockwell RS-23-160	40,000 Rockwell RT-40-145			
	Max. Opt.	30,000*	46,000	30,000*	46,000			
BRAKES, SERVICE	Std.	Air	Air	Air	Air			
SPLIT SYSTEM	Opt.	Air 161/2" x 5"F w/12,000-lb. front axle	Air 16½" x 5" or 6"F; Power Disc	Air 161/2" x 5" or 6"F; Power Disc	Air 16½" x 5" or 6"F; Power Disc			
BRAKES, PARKING	Std.	Spring-Set Type	Spring-Set Type	Spring-Set Type	Spring-Set Type			
ENGINE‡	Std.	Cummins L-10 (OA) Formula 240	Cummins L-10 (OA) Formula 240	Cummins L-10 (OA) Formula 240	Cummins L-10 (OA) Formula 240			
	Opt.	Cummins L-10 (OA) Formula 270/300; Power Torque 240/ 250/270/285/300; "Big Cam IV" (OA) Formula 300/315/ 350; NTC 315/350; Cat 3176 (ATAAC) 250/275/300/325; Cat Economy 3176 (ATAAC) 250/275/300/325; Cat 3306B (ATAAC) 285/300; Cat 3406B (ATAAC) 325/350; Economy 3306B 285/300; Economy 3406B (ATAAC) 310/350	Cummins L-10 (OA) Formula 270/300; Power Torque 240/ 250/270/285/300; "Big Cam IV" (OA) Formula 300/315/ 350; NTC 315/350; Cat 3176 (ATAAC) 250/275/300/325; Cat Economy 3176 (ATAAC) 250/275/300/325; Cat 3306B (ATAAC) 285/300; Cat Economy 3406B (ATAAC) 310/350/400; 3406B (ATAAC) 325/ 350/400; Economy 3306B 285/300	Cummins L-10 (OA) Formula 270/300; Power Torque 240/ 250/270/285/300; "Big Cam IV" (OA) Formula 300/315/ 350; NTC 315/350; Cat 3176 (ATAAC) 250/275/300/ 325; Cat Economy 3176 (ATAAC) 250/275/300/325; Cat 3306B (ATAAC) 285/300; Cat 3406B (ATAAC) 325/350; Economy 3306B 285/300; Economy 3406B (ATAAC) 310/350	Cummins L-10 (OA) Formula 270/300; Power Torque 240/ 250/270/285/300; "Big Cam IV" (OA) Formula 300/315/350; NTC 315/350; Cat 3176 (ATAAC) 250/275/300/325; Cat Economy 3176 (ATAAC) 250/275/300/325; Cat 3306B (ATAAC) 285/300; Cat 3406B (ATAAC) 325/350/400; Economy 3406B (ATAAC) 310/350/400			
CLUTCH (Dia. In.)	Std.	14-2 plate	14-2 plate	14-2 plate	14-2 plate			
TRANSMISSION	Std.	9-speed	9-speed	9-speed	9-speed			
	Opt.	5-speed auto; 7-, 9-, 10-, 13-speeds	5-speed auto; 6-, 7-, 8-, 9-, 10-, 13-, 15-speeds	5-speed auto; 7-, 9-, 10-, 13-speeds	5-speed auto; 6-*, 7-, 8-, 9-, 10-, 13 15-speeds			
FRAME	Max. Std.	10.76 SM 1,183,600 RBM	13.3 SM 1,463,000 RBM	13.3 SM 1,463,000 RBM	13.3 SM 1,463,000 RBM			
RBM = Yield Strength x SM	Max. Opt.	15.9 SM 1,749,000 RBM	30.0 SM¶ 3,300,000 RBM	15.9 SM 1,749,000 RBM	30.0 SM¶ 3,300,000 RBM			
SUSPENSION, FRONT	Std.	9,000	9,000	12,000	12,000			
Combined capacity at ground (lb.)	Max. Opt.	16,000*	20,000*	16,000	20,000			
SUSPENSION, REAR	Std.	21,000	34,000 U-340	21,000	34,000 U-340			
Combined capacity at ground (lb.)	Max. Opt.	30,000*	Hendrickson suspensions from 34,000 lbs. to 46,000 lbs.; Neway 44,000 lb. air.	30,000*	Hendrickson suspensions from 34,000 lbs. to 46,000 lbs.; also Neway 44,000 lb. air.			
AUXILIARY SPRINGS	Std.	4,500		4,500	_			
POWER STEERING		Optional	Optional	Standard	Standard			
WHEELS	Std.	10-Hole Steel Disc	10-Hole Steel Disc	10-Hole Steel Disc	10-Hole Steel Disc			
	Opt.	Cast Spoke, Aluminum Disc	Cast Spoke, Aluminum Disc	Cast Spoke, Aluminum Disc	Cast Spoke, Aluminum Disc			
TIRES	Std.	Goodyear 11R 22.5G-14	Goodyear 11R 22.5G-14	Goodyear 11R 22.5G-14	Goodyear 11R 22.5G-14			

\*Special order option. Includes reinforcements. †138,000-lb. Turnpike rating available. ‡Selected Cat engines feature Programmable Electronic Engine Control (PEEC). See your Ford Dealer for availability.

DIMENS	ION	IS			LN	/LN	T-9	000	94	4" E	BC	DIMENSI	ONS	3		L	/LT-	9000	0 100	6.4"	ввс	DIMENSI	ONS	;		LS/I	LTS-	9000	106	3.3"	ввс
WB	138"	144"	150	162	174	186	204	222	234	246"	258"	WB	150"	162"	174"	186"	204"	222"	234"	246"	258"	WB	131"	143"	155"	167"	185"	203"	215"	227"	239"
CA	72"	78"	84	96	108	120	138	156	168	180	192"	CA	72"	84"	96"	108"	126"	144"	156"	168"	180"	CA	72"	84"	96"	108"	126"	144"	156"	168"	180"
LN-9000	X	-	×	X	X	X	×	X	X	X	X	L-9000	X	X	X	X	X	X	X	X	Х	LS-9000	X	X	X	X	X	Х	X	X	X
LNT-9000	X	X	×	X	X	X	X	X	X	X	X	LT-9000	X	X	X	X	X	X	X	X	Х	LTS-9000	-	X	X	X	X	Х	X	X	X

#### TOLL-FREE SALES & SERVICE HOTLINE

Call toll-free 1-800-Ford 1<u>ST</u> (367-3178)\* for information about the AeroForce sales, parts and service facilities. Operators are ready to take your call from 8 A.M. to 8 P.M. (EST).

'In Alaska call 1-800-433-6292



