

COMPETITIVE COMPARISON GUIDE: MEDIUM DUTY

- ► International[®] DuraStar[®]
- ► Freightliner
- Hino
- Kenworth





A REAL-WORLD TEST

We've always believed we put everything into DuraStar that our customers need and want in terms of driver satisfaction, performance, safety, handling, component options, durability, emissions strategies and cost of ownership.

But the only real way of knowing how good we are was to put DuraStar to a real-world test — against its real-life competitors. A test conducted by a disinterested third party of trucking professionals.

The tests were conducted with the highest level of objectivity. Meticulous attention was paid to detail. Measurements were taken from "actual built" vehicles. Specifications, as closely as possible, matched each manufacturer's equipment availability and compatibility parameters. And most importantly, in order to maintain absolute consistency, measurements were performed in precisely the same manner across all models.

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Today, on paper ... and in the real world ... we at International know how DuraStar stacks up. Here's your opportunity to find out for yourself.

This document was prepared by an independent third party and is intended for the exclusive use of International Truck and its dealers. The information and conclusions contained within are believed to be correct at time of publication, but do not necessarily apply to similar vehicles with different specifications or with production dates after this analysis was conducted. Vehicles with different specifications or later dates of manufacture could yield different results. Vehicle specifications are subject to change without notice. All marks are trademarks of their respective owners.

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Versatility is DuraStar's calling card ... offering a broad range of specifications designed for any medium duty application you can name.

- Repairing downed power lines
- Picking up the trash
- Towing vehicles
- Racing to a fire
- Rushing to the scene of an accident ... and more

Powertrains

 Offering a range of engine and transmission, DuraStar can easily be spec'd to a customer's exact needs

Engines

 Featuring 9% to 13% better fuel economy over previous engines, MaxxForce[®] from 215 HP to 330 HP — is the proven choice for DuraStar.

Axles

- Front driving and non-driving axles from 8k - 14k
- Rear axles from 12.2k 46k
- Single and tandem 4x2, 4x4, 6x4 configurations

Frames

- 50k 120k PSI frame rails provide impressive payload capacities
- Backed by an industry leading standard
- 7-year frame-rail warranty

AVAILABLE SPECIFICATIONS

DuraStar Hybrid

65% reduction in hydrocarbon emissions,
58% reduction in carbon monoxide and 41%
reduction in nitrogen oxide emissions make
it the cleanest truck in the industry.
(NFPA) Compliance
DuraStar offers an array of factory-installed
equipment designed to meet stringent NFPA
standards. Much of this equipment would be

- Up to 60% improvement in fuel economy compared to traditional diesel engines
- Reduced noise pollution with optional Electric Power Take-Off (EPTO) which keeps the engine off during stationary work

National Fire Protection Association (NFPA) Compliance

DuraStar offers an array of factory-installed equipment designed to meet stringent NFPA standards. Much of this equipment would be very difficult and cost-prohibitive to replicate in an unequipped competitive chassis. Some of this equipment includes:

 Parking brake interlocks when transmission is shifted to park during shaft pumping

NFPA Continued

- NFPA secondary braking device interlock to prev wheel lock-up in adverse road conditions
- Nearly 40 factory exhaust configurations to accorspecial equipment
- NFPA minimum 37" seat-to-ceiling for each belte position
- All DuraStar cabs meet Dynamic Loading Heavy SAEJ2422 Cab Roof Strength Evaluation and NF Static Loading Heavy Trucks standards

	Models	4300, 4400
vent rear	BBC	107"
	ВА	40"
ommodate	Frames	50,000 – 120,000 PSI
ed seating	Axle Configurations	4X2, 4X4, 6X4
Trucks,	Cab Configurations	Day cab Extended cab Crew cab
PA Quasi-	Engines	MaxxForce [®] 7 up to 300 hp/660 lbsft. MaxxForce [®] DT up to 300 hp/860 lbsft. MaxxForce [®] 9 up to 330 hp/950 lbsft.
	Transmissions	Eaton Fuller: 5, 6, 10 speed manual Eaton: UltraShift 5, 6 speed automated mechanical Allison: 1000, 2000 Series (HS, EVS, RDS, MH) automatic 3000 Series (HS, EVS, RDS TRV) automatic
	Front Axles	Meritor: 8,000 – 14,000 lbs. International: 9,000 – 14,000 lbs. Dana Spicer: 8,000 – 14,000 lbs. Fabco Front Driving: 8,000 – 10,000 lbs.
	Rear Axles	SINGLE REAR AXLES (4x2) Meritor: 13,500 – 30,000 lbs. Dana Spicer: 12,200 – 30,000 lbs.
-	-	TANDEM REAR AXLES (6x4) Meritor: 34,000 – 46,000 lbs. Dana Spicer: 34,000 – 46,000 lbs.
-	Brakes	Hydraulic Disc Brakes with ABS, Optional Traction Control, Air Drum Brakes with ABS, Optional Traction Control, Optional Electronic Stability Program with Traction Control
	Tires	Continental, Michelin, Goodyear

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(6)

Model:	DuraStar	Freightliner M2 106	Hino 268	Kenworth T270
Model Year:	2011	2011	2010*	2011
BBC:	107"	106"	108"	109"
Engine:	MaxxForce 7 220 HP	Cummins ISB 220 HP	Hino J08E-TV 220 HP	Paccar PX6 240 HP
Transmission:	Allison 2100RDS	Allison 2100RDS	Allison 2500RDS	Allison 2500RDS
Wheelbase:	272"	252"	271"	272"
Frame:	50,000 PSI	120,000 PSI	80,000 PSI	120,000 PSI
Front Axle:	D800-F 8K	AF-8 8K	MFS10 10K	E-1002i 10K
Rear Axle:	17060S 17.5K	ARS-19 19K	RS19-145 19K	P22060S 22K
Suspension:	18.5K V-Rate	18K AirLiner	21K Spring	23K Air
GVWR:	25,500 lbs.	26,000 lbs.	25,950 lbs.	26,000 lbs.
Tire Manufacturer:	Continental	Continental	Bridgestone	Bridgestone
Tire Size:	11R22.5	11R22.5	11R22.5	11R22.5
Front Tire Tread:	HSC	HSL2	M725	M711
Rear Tire Tread:	HDL2	HDL	R250	R250F
Base Warranty:	2 Years	2 Years	2 Years	1 Year

* EPA10, 2011 model year vehicle not available at time of publication. 2011 model year data considered for all specifications.

In real-world testing, DuraStar was compared cab-to-cab, axleto-axle, powertrain-to-powertrain, measurement-to-measurement against three leading market competitors: the Freightliner Business Class M2 106, the Hino 268 and the Kenworth T270.

is in the comparisons.

COMPETITIVE SET

Everything you essentially need to know about them ... weight ratings, engines, transmissions, axles, suspensions, tires and warranties ...

To guarantee an apples-to-apples comparison — the specifications match as closely as possible each manufacturer's equipment availability and compatibility parameters.

(7)

CAB DESIGN

Cab Construction

- High strength, low alloy (HSLA) reinforced, cold rolled steel cab
- HSLA reinforcements at A-Pillars, cab mount, dash and under body
- Solid feeling, stable-riding 82" wide cab
- International cabs, extended cabs and crew cabs pass the more rigorous SAE J2422 cab roof strength test versus the standard European ECE 29 roof strength requirement, which only tests for a uniform vertical load applied to the roof. SAE J2422 also tests for angled side loads which is a National Fire Protection Association (NFPA) requirement*.

Entry/Egress

- 62° door swing and 38.5" wide door opening make it one of the easiest cabs in the industry to access
- Large, consistently spaced cab steps with offset stair-step design for safe entry
- Available ergonomic dash center panel
- Hood and Windshield Design
- Very well balanced hood, with torsion bar requires less than 16 lbs. of effort to raise — far less than any of our competitors
- Integrated plenum design channels engineintake air through ducts removing particulate matter and moisture as it flows, providing cleaner, dryer air to air cleaner
- Large, curved, swept-back windshield helps deflect road debris and provides excellent visibility

* See Sales Information Letter G-6151 for more details



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With world class fit and finish the DuraStar cab is comfortable and durable — comprised of

- High Strength Low Alloy (HSLA) double-sided galvanized steel and standard cold rolled steel
- HSLA in critical cab areas: A-pillars, cab mounts, dash and underbody — for greater durability
- "E-Coating" welded cab assembly receives a phosphate bath that etches the material for enhanced adhesion of the coating...then dipped into an electrostatically applied primer (E-coat)
- Base coat/clear coat paint process provides outstanding resistance to corrosion and fading, and is backed by a 12-month unlimited warranty

Cab Durability

A one-piece door frame and panels are major factors in cab durability, structure and sealing.

 One piece of steel surrounds entire door opening providing superior structural integrity

Door Design

Well balanced doors that open to 62° include integrated door check feature.

- Door handles are positioned low to the ground and are large enough to accommodate gloved hands
- E-Coated internal door construction components are designed to be operated in wet conditions





BBC	107"	
Cab Construction	High strength, Low Alloy Reinforced, Cold-Rolled welded steel	
Cabs	Regular, 26" extended and 44" crew cabs	
Lo-Pro Chassis	Available	
Cab Suspension	4-Point rubber mount, optional air	
or Hinge Available	Internal door hinge design	
Door Width	36.75"	
Largest Opening	38.5"	
arance Space with Door at Full-open	30"	
Door Swing	62°	

Freightliner M2 106



U6"

Aluminum, with steel-reinforced firewall

Regular, 26" extended and 48" crew cabs

Not available

4-Point rubber mount, optional air

Internal doo hinge desigr

33.25

13.5"

32.25

9°

Note: Additional options available with more expensive 106V model

Hino 238-338

Kenworth T270/370



1118	
100	

Welded steel

Regular and 30" extended cabs only

Available

4-Point rubber mount, no air

Internal door hinge design

34"

41.5"

29.25"

66°

Note: Required GVWR determines model which limits component availability

Only available with White, Red or Black cab paint



109"

Riveted aluminum and composite materials

Regular, 26" extended and 52.5" crew cabs

Not available

3-Point rubber mount, no air

Exterior piano-type door hinge design

34"

38.5"

27.75"

74°

Note: Passenger door opened wide enough on our vehicle to hit mirror assembly **The three-piece design** of the DuraStar high-strength composite material hood is simpler and less expensive to repair than a singlepiece design.

HOOD

0.0

Integrated Plenum Design

- Intake air is channeled though a 180° duct and is directed across hood through another 90° duct into the air cleaner
- Effectively removes particles and moisture from the ambient atmosphere providing cleaner, dryer air to the air cleaner
- Requires less reinforcing, resulting in a lighter and easier to manage hood

Well-Balanced, Lighter-Feeling Hood

- Opens easier than any measured competitor
- Features an integral torsion bar, dual cables and rebound springs for a light-weight feel and trouble-free design
- Offers an optional hood hatch on the driver's side providing access to most routine maintenance checks without opening the hood — something none of the competitors offer



- Hood Construction 3-piece high strength composite hood
 - Tilt Assist Integral torsion bar
- Hood Mechanics Dual cable stays and springs
 - Hood Hatch Available
 - Air Intake Integrated, multiple duct plenum
 - Inside/outside intake (snow valve) available

Hood Tilt Effort 15.7 lbs.

Freightliner M2 106



Single-piece fiberglass hood No torsion bar; dual gas struts Dual cable stays, no springs Not available (106V only)

Inside/outside intake availabl

25.9 lbs

Note: Our sample vehicle's hood bottomed-out on the struts, not cable stay

Hood tilt methodology

The same, average sized person (5'10") performed 7 hood pull trials with a digital meter for each of the 4 vehicles. We discarded the high and low measurements and averaged the remaining 5 to determine our result. This result represents the greatest effort until the point momentum takes over.

Hino 238-338





Single-piece composite hood

No torsion bar; single gas strut

Dual cable stays, no springs

Not available

Plenum

Inside/outside not available

47.2 lbs

Note: We found the hood latch to be difficult to use on our sample vehicle



4-piece Metton

Integral torsion bar assist

Dual cable stays, no springs

Not available

Plenum

Inside/outside not available

73.4 lbs

STEPS AND GRAB HANDLES



sill: 10.75"

ti-slip rubber

Cab entry and egress is one of the most important features related to driver safety, satisfaction and productivity. DuraStar's slipresistant cab steps and grab handles have been designed for the proper 3-point cab entry necessary to avoid job-related injuries and excessive downtime.

DuraStar Cab Steps

- A large surface area consistently spaced for predictable cab entry
- An off-set, stair-step design provides a stable platform for bulky work boots
- Natural spacing to help minimize driver fatigue

Grab Handles

Are well positioned, ergonomically designed and are available in different configurations:

- ► A-Pillar
- ▶ B-Pillar
- Interior or exterior, LH or RH side
- Best-in-class for driver safety

Step Depth 🔺	1st step: 6"
	2nd step: 7.5"
Step Off-Set	1st – 2nd step: 4"
	2nd step – cab: 8.5"
Step Spacing B	Ground to 1st step: 17"
	1st step – 2nd step: 13.5"
	2nd step to cab sill: 10.75
ng Consistency	1st – 2nd step: 3.5"
	2nd step – cab: 2.75"
verage Spacing Consistency*	3.125"
Exterior Grab	LH & RH at B-Pillar
Handles	Chrome with anti-slip rub insert or black aluminum

Interior Grab Handles

RH: A- and B-Pillar

LH: B-Pillar

* Step spacing consistency can be described as the degree of spacing difference between each step and the adjacent step. Consistent step spacing is

Freightliner M2 106



1st step: 8" 2nd step: 6.25" Ground to 1st step: 15.5" 1st step - 2nd step: 14.25" 2nd step to cab sill: 10.5" 1st - 2nd step: 1.25" 2.5"

LH & RH at B-Pillar single rubber insert

LH: B-Pillar RH: A- and B-Pillar (optional)

CAB DESIGN

Hino 238-338



1st step: 8.5" 2nd step: 8.5" 1st - 2nd step: 5.5" 2nd step - cab: 6.5" Ground to 1st step: 19" 1st step - 2nd step: 14" 2nd step to cab sill: 11" 1st - 2nd step: 5" 2nd step - cab: 3" 4"

Not Available

LH: A- and B-Pillar RH: A- and B-Pillar



Kenworth

T270/370

1st step: 6" 2nd step: 7" 1st - 2nd step: 6.75" 2nd step – cab: 8" Ground to 1st step: 19.25" 1st step - 2nd step: 17.75" 2nd step to cab sill: 9" 1st - 2nd step: 1.5" 2nd step – cab: 8.75" 5.125"

LH & RH at B-Pillar

LH: A-Pillar RH: A-Pillar only



Large, Swept-Back Windshield

- Improves fuel economy
- Provides outstanding visibility and reduces the risk of damage from road debris
- > Standard bonded design is less prone to leaks than a roped-in design
- Maximum rake increases visibility and improves aerodynamics

A-Pillars

- Minimize snow-packing
- Improve forward and peripheral visibility
- Reduce road noise while providing a dry and comfortable driver environment

Heated Windshield

- Not offered by these competitors
- Windshield is heated at the base to help reduce snow and ice packing in the cowl tray

Standard Functional Vent Window

- Improves ventilation without operating the HVAC
- Directs fresh air into the cab exactly where needed



Windshield Design	Bonded
Total Glass Area 🛛 🗛	3,981 sq. in.
Total Viewable Windshield Area	2,003 sq. in.
Windshield Rake Angle	64°
Wiper Coverage B	1,268 sq. in., 63%
Vent Window	Standard, operating
Heated Windshield	Available



M2 106

Freightliner

Standard, bonded Optional, roped-in 3,998 sq. in. 2,197 sq. in. 65°

1,427 sq. in., 65%

Standard, non-operating

Optional, operating vent window

Not available

Note: Wing window is present, but it is non-functional

Glass area methodology

Glass and wiper area was determined by placing a transparent overlay over the glass, outlining only the **viewable** area (total glass, less blacked-out, border areas, etc.) and transposing against scaled engineering graph paper.

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Hino 238-338

Kenworth T270/370





Roped-in

4,007 sq. in. 1,985 sq. in.

75°

1,504 sq. in., 76%

No vent window

Not available

Note: Hino uses two differentsized wipers; 25.5", 22"

Very flat windshield design

Roped-in

3,234 sq. in. 1,298 sq. in.

70

817 sq. in., 63% No vent window

Not available

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VISIBILITY

Visibility is vital to driver comfort and safety. Poor sight lines — especially in congested areas — add stress and strain while reducing productivity. DuraStar provides consistent forward visibility that is competitive in all areas.

Many things affect visibility:

- Hood shape and length
- Windshield design
- Positioning of pillars, wipers, mirrors and hood ornaments
- Height and design of the fenders and door glass

Visibilty Methodology

As in all our measurement methods, our visibility ranging process remained absolutely consistent across all three vehicles.

Our standard reference position of 49" in the vertical plane and 28" in the horizontal plane, centered against the driver's seat back, represents a natural, comfortable seating position for an average sized (5'10") person.

The ranging pivots about our reference position and projects at regular intervals, as represented by the noted variables. The point at which the projection becomes visible at ground level represents the closest that spot becomes visible to the driver, as seated in our reference position.

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Freightliner M2 106



176"	
232"	
244"	
255"	
297"	
273"	
120"	
n/a	
n/a	
107"	
279"	
n/a	
n/a	
258"	

DURAS SAN



STATUTE STATUTE		the local	- Mediate in the
0 0	Main windshield	100	
Left side – clos	sest point near A-pillar	A	185"
	Straight-ahead view	В	240"
Vie	ew over center of hood	C	261"
View over rig	ht hand corner of hood	D	268"
	View at wiper blade	F	271"
Right side – clo	sest point near A-pillar	F	277"
1 and a second	Left side door	100	
	Rear-most corner	G	126"
	Center drop at top	н	140"
	Center drop at bottom	1	140"
	Forward-most corner	J	153"
	Right side door		
	Rear-most corner	К	280"
	Center curve at top	L	276"
	Center curve at bottom	м	249"
	Forward-most corner	N	256"

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VISIBILITY

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CAB DESIGN

192"	285"	
242"	301"	
252"	320"	
268"	359"	
292"	269"	
292"	362"	
139"	133"	
n/a	155"	
n/a	147"	
162"	132"	
363"	258"	
n/a	266"	
n/a	220"	
284"	231"	
	(21)	





Hino 238-338 Kenworth T270/370

CAB INTERIOR

Quality Ride

- Four-point rubber cab mounts isolate the cab from road noise and vibration
- Premium cab insulation and tight, automotive-grade cab seam tolerances reduce noise vibration and harshness generated by severe temperatures and road noise

Comfort and Productivity

- The 82" cab is wide enough to be comfortable on the inside ... and small enough to keep it maneuverable on the job
- High-output HVAC systems and available stateof-the-art filtration systems help keep occupants productive in extreme environments
- Standard overhead console, dual cup holders, fully trimmed cab, driver's door pocket, the list goes on...
- Optional ergonomic center panel

Easy Upfitting

22

- Center dash panels are able to accommodate banks of auxiliary switches for a more seamless integration of aftermarket controls
- Flat cab floor allows for routine installation of body control equipment









CAB INTERIOR



CAB SIZE

The DuraStar Advantage

In medium duty applications, you need a cab that is large enough to pack a punch, but small enough to be quick on its feet.

- DuraStar is both
- The cab is spacious, yet comfortably trim ... with an overall exterior width of only 82"
- A roomy, comfortable cab with plenty of space for body equipment controls

Interior

- Interior width at the side glass is nearly 3" wider than the M2, and nearly 12" wider than the T270
- Cab depth, where it matters most center line fuel pedal to back wall is the best, nearly 6" deeper than the T270
- Cab height is better than the M2 and the T270

DuraStar's Flat Floor

- Supports trouble-free installation of upfitter equipment and body control systems
- The M2 cab floor rises between and dramatically under the seats obstructing access and preventing installation of safety equipment

Cab Measurement Methodology

All vehicle measurements were obtained by the same personnel, in the same manner, at the same interior reference points — using (wherever possible) a digital range meter. Measurements were rounded off to the nearest .25".

25

CAB SIZE



Cab Volume (cu. ft.)

DURASian



- TIME -
5

Freightliner M2 106

69.25"	73.50"
65.75"	65.25"
72.00"	72.00"
68.50"	67.00"
79.25"	76.75"
71.00"	71.75"
43.00"	45.25"
36.25"	39.50"
46.50"	46.00"
52.25"	51.50"
56.50"	56.00"
56.00"	49.50"
91.80	91.70

AB INTERIOR

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Hino 238-338







7	0.00"	57.00"
6	37.25"	56.75"
7	3.00"	65.00"
7	2.00"	65.25"
7	78.75"	67.75"
7	'4.00"	62.75"
4	5.50"	46.25"
4	2.00"	44.75"
4	5.00"	40.75"
5	64.00"	51.50"
6	0.00"	55.75"
6	0.00"	56.00"
1	04.66	84.41

(27)

DRIVER ENVIRONMENT

(A)

Head Room - Seat low Head Room - Seat high

Leg Room - Smallest B

Leg Room - Largest

Average Leg Room*

HVAC vents at dash

Interior Noise Levels

Maximum Belly Room C

at windshield

@ 750 RPM

@ 1500 RPM

@ 750 RPM

Driver Comfort

- > DuraStar offers an ergonomic dash layout, IP design and steering wheel positioning
- The high-output HVAC system: 30,000 heating BTU's/24,000 air conditioning BTU's
- Tight lap joint tolerances provide superior noise and temperature insulation
- Four-point cab mounts isolate the cab from the road noise and
- Available pre-filters and heavy particle filters further protect the air quality within the cab under the harshest environmental

Leg and Head Room

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- Leg room is superior vs all measured competitors
- The seat in its highest position, with an inch more travel than these competitors, still provides over 34" of headroom
- Optional adjustable tilt and telescopic steering column

DURASA



39.50"	
34.00"	
20.70"	
29.40"	
25.03"	
17.00"	
6 2	
60.4-67.0 db	
66.8-75.1 db	
72.6-75.4 db	

* Seat centered horizontally and vertically ** 6 feet forward of grille

Freightliner M2 106



34.50"
30.50"
19.05"
28.32"
23.60"
21.00"
4 5
58.6-66.6 db
68.8-72.6 db
75.4-78.2 db

Noise level methodology

Noise levels were measured using a tripod-mounted sound level meter (accuracy rated to ±2 db) positioned consistently for each model. Readings were taken over an approximate 20-second recording with the high and low noted for that period.

Hino 238-338



Kenworth

43.50"	39.75"
40.50"	35.25"
21.16"	19.08"
27.40"	26.67"
24.25"	22.83"
18.25"	16.75"
4	4 3
65.0-69.9 db	71.7-77.0 db
65.9-70.0 db	70.9-75.4 db
74.2-75.9 db	74.8-81.5 db
Note: Gauges partially obs	tructed

(29)

INTERIOR EQUIPMENT





Trim Level	s 2 availal	ble trim I	levels
------------	-------------	------------	--------

Available Dash Panel Configurations	Flat panel and angled, ergonomic center panel
Interior Features	• Standard overhead console with retainer nets
	 (2) Standard console-mounted cup holders
	 Standard driver door storage compartment
	• Standard full-width bench seat
Seat Manufacturers	National Seating, Seats Inc., and Gra-Mag
NFPD/SCBA*	Compliant Seating Available
Air-ride seat without air brakes	Available self-contained air-ride seat
Horizontal seat travel	7"
Vertical seat travel	5.5"

* National Fire Protection Association/Self Contained Breathing Apparatus

Freightliner M2 106



1 interior trim level, 2 convenience packages

Standard, flat dash center pan Optional, angled center panel

- Standard overhead console, optional retainer nets
- (2) Standard dash-mounted cup holders
- Optional door storage compartment
- Optional full-width bench seat

Seats Inc., National Seating, Sears, Bostrom

Compliant Seating Available

Self-contained air-ride seat is not available

9.2

4"

Interior Design

DuraStar is a working combination of productivity and driver comfort. Features include:

- Two available trim levels, each with a wide array of available options
- Trim panels that cover exposed sheet metal to insulate the interior from noise and temperature
- Additional insulation is standard with the premium level interior
- A standard netted overhead console and driver's side door storage compartment — something some competitors do not offer

Seating Configurations

DuraStar seat configurations include:

- A full-width bench seat no longer available with some of our competitors
- Different air-suspension seats when no air brakes are spec'd something many of our competitors do not offer at all
- Superior horizontal and vertical seat travel

30

Hino 238-338







Kenworth

1 trim level, 2 accents

No optional dash configurations

- Overhead console is not available
- (1) Standard cup holder located under dash
- Standard door pockets both doors
- Bench seat is not available

Kenworth, Seats Inc.

Compliant Seating Available

Self-contained air-ride seat is not available

6.75"

4.5"

CHASSIS



Frame and Axle

- 50K, 80K, and 120K yield strengths and a wide range of RBM ratings
- Available full outer C-Channel reinforcement and bolt-on front frame extension
- Custom frame piercing minimizes the number of open holes and maximizes frame strength
- Frames are squared prior to assembly to ensure proper geometry during assembly
- Set-back front axle with axles available from three major manufacturers

Electrical

- Multiplexed electrical system reduces wiring and simplifies circuit design
- Well organized and efficiently-routed chassis lines are color-coded and numbered to help prevent electrical problems and simplify diagnostics

Diamond Logic[®] Application Solutions

- Streamlines the process of integrating equipment into the chassis electrical system
- Utilizes chassis diagnostics tools for integrated body equipment
 improving quality and customer satisfaction

Exhaust Equipment

- More available configurations for the customer and greater flexibility for the upfitter
- Ensures efficient upfitting and helps minimize post-production costs







FRAME AND EQUIPMENT





eld strength (PSI)	50K, 80K, 120K	
RBM		
Section Modulus	10.74 – 31.72	
Available Reinforcements	Outer C-Channel	
Frame Extension	20" bolt-on	
Bumpers	Single-piece steel (painted or chromed); steel HD; aerodynamic	
Fuel Tank Construction	Aluminum	
Design	Rectangular or D-style (D-style beveled or non-beveled)	
Depth or Cross- Section	13", 16" or 19" depth	
Capacities	50 – 100 gallon	
Treatment	Polished or unpolished	

Fron

Freightliner M2 106



50K, 80K, 120K 10.158 – 31.000

Not Available (106V only)

Single or three-piece stee (painted or chrome); HD s flexible and collapsible er

Aluminum

Rectangular or Cylindrical

23", 25" or 26" cross-section

28 – 100 gallon

Polished or unpolished

DuraStar's Frames

Offer a range of section modulus, yield strengths and RBM ratings.

Custom Piercing

Minimizes open holes and maximizes strength

Proper Squaring

• Frames, crossmembers and spring hangers are arranged and clamped in place prior to assembly to ensure proper squaring

Additional Frame Benefits

- Available full outer C-Channel reinforcement unlike our three competitors
- Available bolt-on front frame extension none of the three competitors offer this
- Chassis routing is well organized, clipped and off-set from the rail to prevent electrical problems
- ▶ 50-100 Gallon Fuel Tanks
- Available in either rectangular or D-style Hino only offers rectangular tanks

Hino 238-338



el	
teel;	
nds	

80K or 120K
1,031,900 – 3,866,400
13.02 – 16.11
Not Available
Not Available
Single or three-piece steel (black, white or chromed); no HD
Aluminum
Rectangular only
19" cross-section
50 (clean CA), 52 or 90 gallon
Polished not available



120K

1,254,767 - 2,925,000

9.80 - 24.37

Inner C-Channel

Not Available

Single piece painted steel; aerodynamic painted or chromed; no HD

Steel or aluminum

Rectangular or Cylindrical

22" or 24.5" cross-section

45 – 120 gallon

Polished or unpolished

(35)

FRONT AXLE AND EQUIPMENT

DURAS



Axle Set-Bad

Manufacture

Front Driving Axl

Front Suspensior

Measured Wheel Cu

(RH wheel, RH turi

(with above wheel cu 270" WB and 11R22.5 tires

RH curb-to-curb turning radiu

Capacitie

Capaciti

Capaciti

Brake

Steeri

k	40.0"	
rs es	International, Meritor, Dana 8,000 – 14,000 lbs.	
es es	Fabco 8,000 – 10,000 lbs.	
IS S	Parabolic taper-leaf 8,000 – 14,000 lbs.	
ut n)	49° as configured	
ıs t, s)	34.5'	
s	Four-wheel disc	
g	TRW TAS-40 power steering	

Freightliner M2 106



39.3"

Meritor only

Not available

Taper-leaf

51°

33.5'

8,000 - 14,000 lbs.

8,000 – 12,000 lbs.

Four-wheel disc

selectable

booster, integral type

TRW recirculating ball with hydraulic

Note: Suspensions are packaged

with axles and are not individually

Axle Alliance (FTL), Meritor

10,000 - 16,000 lbs.

Taper-leaf or multi-leaf

Front: Disc Rear: 15"x6" drum

TRW THP-45 power steering

40" Set-Back Front Axle

- Up to 50° wheel cut achievable with select specifications
- Improves maneuverability and weight transfer to the front axle
- Effective weight transfer maximizes payload capacity
- Wide track front axles provide increased wheel cut or improved turn radius, greater maneuverability and improved productivity

Three OEM Axle Choices

- Represents an opportunity for additional cost-reduction for the operator
- Greater parts commonality within a fleet means fewer parts for the maintenance department to stock

Additional DuraStar Advantages

- A very competitive range of axle capacities
- A factory-installed front driving axle with double-carden joints improves wheel cut
- Off-set gear housing lowers chassis height
- Hino does not offer factory installed front-drive axles
- Front spring pins have maintenance free rubber bushings

36

Hino 238-338

37.2"

Dana only 8,000 - 14,600 lbs.

Kenworth

T270/370

Fabco 10,000 - 14,000 lbs.

Taper-leaf 8,000 – 20,000 lbs.

31°

49.5'

Four-wheel disc

TRW THP-60 power steering

REAR AXLE AND EQUIPMENT

DURASian



Available figurations	4x2, 4x4, 6x4
WR Range	23,500 – 60,000 lbs
ingle Axles	Meritor
Capacity	13,500 – 30,000 lbs.
	Dana
	12,200 – 30,000 lbs.
idem Axles	Meritor
Capacity	34,000 – 46,000 lbs.
	Dana
	34,000 – 46,000 lbs.
ential Lock	Available
Ispensions	International [®] : Vari-Rate, 4-spring Multileaf, International Ride Optimized Suspension (IROS) Hendrickson: HMX, RT Chalmers: 1030 Series

Diffe

Freightliner M2 106



4x2, 4x4, 6x4
19,000 - 60,000 lbs.
Meritor
13,000 - 30,000 lbs.
Axle Alliance
13,000 - 23,000 lbs.
Meritor
40,000 - 46,000 lbs.
Axle Alliance
40,000 - 46,000 lbs.
Available
Freightliner: Multileaf, F Taperleaf, 4-spring, Air
Hendrickson: FIREMAA HAULMAAX, RT

Wide Range of Axles And Suspensions

- > Helps keep fleet purchasing simple and the fleet composition consisten
- Increases parts commonality
- Minimizes costs

Axles

- ▶ 4x2, 4x4 or 6x4 configurations
- Capacities from 12,200 46,000 lbs.

International[®] Ride Optimized Suspension (IROS)

- Designed for on-highway applications
- Adjusts to different loads to maintain constant frame height
- The spring rate will vary with load (softer with light loads and stiffer with heavy loads) to protect cargo by minimizing shock and vibration
- Excellent ride, handling and stability

International[®] 4-Spring Multileaf Suspension

- A separate set of springs for each axle
- Torque rods maintain proper axle alignment
- Shot-peened leaf springs for improved strength and reliability

38

Hino 238-338



4x2 only

23,000 - 33,000 lbs. (no tandems)

Meritor 17,000 - 19,000 lbs.

Tandems not available

Fatleaf, Liner, TufTrac X, PRIMAAX, Available No specialized suspensions

Note: In order to maintain the closest possible comparison, Hino 238, 258, 268 and 338 model specifications were also considered here – since each model carries a specific GVWR 4x2, 4x4 (6x4 T370 only)

24,000 - 54,600 lbs.

Dana Spicer 13,500 - 26,000 lbs.

Dana Spicer 40,000 - 44,000 lbs.

Available

Kenworth Air Reyco: Taperleaf, Multileaf Chalmers: 854 Series Hendrickson: HAS, RT

EXHAUST SYSTEM

Exhaust System Offerings

 Provide the production flexibility of nearly 40 exhaust configurations to help keep post-production costs and upfitting time to a minimum

Flexible Configurations

- Horizontal or vertical
- ATD (After-Treatment Device) mounted vertically or horizontally, LH or RH side, BOC or under-cab with LH or RH tailpipes.
- Available with the oxidation catalyst and diesel particulate filter as separate components
- Available space-saver, integrated single-can configuration
- Available clean-CA above and below rail
- No DEF tank required, freeing valuable frame space for greater upfitter flexibility

Design

(40)

 To allow for engine/frame twist and temperature change expansion, the exhaust system utilizes a rubber isolator design with all hanger brackets something not all manufacturers include



DURASian

D

Hori

zontal ATD and tailpipe	ATD mounted RH or LH side, under cab or BOC with special options available for Mid Cab Tractor
ontal ATD with ertical tailpipe	ATD mounted RH or LH side, under cab or BOC, outside rail allows for clean CA option
ertical ATD and tailpipe	Vertical ATD mounted RH side with vertical pipe
pipe treatment	Straight or turn-out
ailable exhaust heights	5 options: 8'10" – 13'3"

Freightliner M2 106



In-line DPF and SCR Parallel DPF and SCR, BO

DPF/SCR mounted BOC

DPF/SCR mounted undervertical pipe, RH or LH Straight or turn-out 4 options: 10' – 13'6"

Notes: Options are engine

	Hino 238-338	Kenworth T270/370	
С	DPF/SCR mounted under-step with horizontal pipe	In-line, DPF/SCR, RH only Parallel DPF/SCR	
	DPF/SCR mounted under-step with vertical pipe	DPF/SCR mounted under-step , RH stack only	
step,	Vertical tailpipe only available on the 338CT	BOC vertical. parallel-mounted DPF and SCR	
	No options	Turn-out only	
	No options	7 options: 24" – 58"	
-specific	Notes: Basically 2 options; either horizontal or vertical tailpipe – DPF/ SCR arrangement remains the same		
	EPA07 ATD image (EPA10 similar)		

(41)





Simplifies the integration of added application-specific equipment to the chassis electrical system. None of these competitors offer anything this comprehensive.

- Factory installed switches designed specifically for International's instrument panel
- Labels included with optional body integration switches
- Factory installed warning lights are incorporated in the gauge cluster
- Reduced Installation time Centralized connections outside the cab
- Improved Quality Eliminates the need to route wires into the cab or splice into chassis circuits
- Smart Diagnostics Utilize chassis diagnostic tools for integrated body equipment
- Remote Power Module serves as the gateway into International's electrical system. This module can be utilized to control many different types of added equipment with additional software
- Software available to program custom body funtctions

State-of-the-Art Multiplexing Technology

- The foundation for communication between functional areas of the vehicle
- Reduces wiring by sending multiple electrical communication signals via a data link
- Electronic circuit modules and software perform vehicle functions instead of a complex wiring harness with electro-mechanical relays and switches



Electrical System Design	Multiplexed
actory-Installed ody Integration or Components	Diamond Logic [®] Applications Solutions
Electrical Panel Location	Passenger dash panel
Alternator	
Manufacturers	Leece-Neville, Delco Remy, Bosc
Amperage	120 – 320 amps
Mounting	Pad mounted
Batteries	2 or 3
	1100 – 2775 CCA
ery Disconnect	In cab or at battery box
mp-start Studs	Inside or outside battery box
Block Heaters	Under cab door or front bumper

System

Freightliner M2 106



Multiplexed

Available auxiliary switch banks and power-distribution box wiring for customer-installed equipment

Under-hood

Leece-Neville, Delco 160 – 320 amps Pad mounted 2, 3 or 4 1850 – 4400 CCA In cab or at battery box Under hood, BOC or battery box Under driver door

(42)

Hino 238-338



Not available
Passenger dash panel
Delco
130 amps
Bracket mounted
2 or 3
1200 – 2100 CCA
Not Available
Not available
Under driver's cab step

Conventional electrical system



Kenworth

T270/370

Multiplexed

Optional factory-installed auxiliary, PTO-control switches and body harnesses

Dash center panel

Leece-Neville, Paccar, Bosch 130 – 270 amps Pad mounted 2 or 3 1400 – 2700 CCA Cab interior BOC – below top flange Driver's side cab step-mounted

POWERTRAIN

MaxxForce[®] Advanced EGR

A sophisticated, in-cylinder solution meets EPA 2010 emissions standards using proprietary emissions technology.

- Simple: refined from 2007 EGR system
- Reliable: no liquid urea tanks, additional catalysts, sensors, gauges or electronics
- Dependable: over 9 million miles of experience
- Cost-effective: stable and predictable residual value
- Turn-key: business as usual for our customers

MaxxForce[®] Engines

- ▶ 3 proprietary engines: MaxxForce[®] 7, DT and 9
- Industry-leading performance, reliability and resale
- Power ratings: 215 330 HP
- Torque ratings: 560 950 lbs.-ft.

Transmissions and Equipment

- Eaton Fuller and Allison
- Cost-effective 5, 6, 7 and 10-speed manuals
- Versatile automated and manual transmissions
- Durable and easy to operate Allison automatics

Serviceability

(44)

- Easy routine serviceability yields greater longevity
- Most routine service points located on driver's side
- Crucial fluids are easy to locate and read
- Many dependability-related features are standard











MAXXFORCE® ADVANCED EGR

C

(46)

A

(D)

2010 Exhaust Gas **Recirculation (EGR) system**

- A. Interstage cooler (for engines 245 HP and above)
- **B.** Regulated 2-stage turbocharger
- C. EGR crossover, rear of engine, into integrated passage of intake manifold
- **D.** Single 2-pass modular EGR
- **E.** Integrated EGR valve, mixer, grid heater and throttle housing

INTERNATIONAL TRUCKS POWERED BY MAXXFORCE ENGINES

enabling customers to focus on their

Smarter. Easier. Faster.

Presently, there are two competing systems designed to achieve the new 2010 EPA requirements:

- Liquid Urea Selective Catalytic Reduction (SCR): An aftertreatment approach that utilizes liquid urea ... the solution most truck makers will incorporate
- Advanced Exhaust Gas Recirculation (EGR): A proven in-cylinder solution ... the customer preferred and International[®] solution

MaxxForce® Advanced EGR

- International[®] Trucks, powered by MaxxForce[®] engines, utilize Advanced EGR — a refinement of the 2007 EGR system already in place ... and proven over 9 million miles
- The same confidence customers have in today's MaxxForce® engines will carry forward into 2011 and beyond

MaxxForce[®] Advanced EGR **Advantages**

- Business as usual for MaxxForce[®] owners 2010 and beyond
- A simple, proven technology
- Simpler to maintain and operate than liquid urea SCR
- No radical hardware additions
- No liquid urea tanks, additional catalysts, sensors, gauges or electronics
- No additional exhaust aftertreatment components for the body manufacturer to package equipment around during installation
- No additional fluids to understand, purchase or store
- No additional dash warning systems to monitor
- No worries about the availability of urea
- No additional driver training and technical training
- > 200-300 lbs. lighter than liquid urea SCR
- Stable and predictable residual value

(47)

ENGINE AND EQUIPMENT

MaxxForce[®] Engines — true to International's reputation — provide industryleading power, performance, reliability durability and resale value.

• Offer the choice of the industry's only Compacted Graphite Iron (CGI) block for class 7, or the heavy-duty heritage of an Inline6 — both available within the same truck model

MaxxForce® 7

(48)

- High Pressure Common Rail
- Dual Stage Turbo Chargers
- Quietest Diesel Engine in North America

MaxxForce[®] DT and 9 Engines

- Are plateau-honed wet-sleeved designs for even cylinder cooling and unmatched structural integrity
- Can be entirely re-built in-frame and returned to original factory specifications at a significantly reduced cost over complete re-manufacturing

MaxxForce[®] Average Residual Value

• Has outpaced the competition by 12–19 percent — over the past 10 years





gine Manufacturers	MaxxForce®	
Models	MaxxForce [®] 7, DT or 9 series	
Block Design	MaxxForce [®] 7: Parent bore CGI block MaxxForce [®] DT and 9: Wet sleeve	
Available HP Torque Ranges	MaxxForce [®] 7: 220 – 300 HP 560 – 660 lbsft.	
	MaxxForce [®] DT: 215 – 300 HP 560 – 860 lbsft.	
	MaxxForce [®] 9: 315 – 330 HP 950 lbsft.	
Engine Brake	Optional Diamond Logic [®] engine brake for I6 engines	
Radiators	Aluminum cross-flow	
	717 sq. in. – 1045 sq. in.	
	Note: 330 HP for fire and emergency	



Cummins	Hino	Paccar
ISB, ISC	Class 6: Hino J08E-VC Class 7: Hino J08E-VB	PX6, PX8
ISB: Parent bore dry sleeve ISC: Wet sleeve	Parent Bore with dry slip-fit sleeves	PX6: Dry PX8: Wet
ISB: 200 – 360 HP 500 – 820 lbsft. ISC: 360 – 380 HP 660 – 1050 lbsft.	J08E-VC: 220 HP 520 lbsft. J08E-VB: 260 HP 660 lbsft.	PX6: 200 520 – 750 PX8: 260 660 – 100
Jacobs C-Brake	Not available	Engine C
Aluminum cross-flow 805 sq. in. – 1100 sq. in.	Aluminum Sizes are not published	Aluminun 1000 sq.
Notes: ISB: 340 HP, 660 lbsft. 360 HP, 800 lbsft. ISC: 380 HP, 1050 lbsft. For fire and emergency service	Note: Only one engine is available per model	Note: PX For fire a

Freightliner M2 106





Kenworth T270/370



y sleeve et sleeve

0 – 325 HP 50 lbs.-ft. 0 – 350 HP 000 lbs.-ft.

Compression Brake

in.

X8: 380 HP, 1080 lbs.-ft. and emergencyservice

(49)

TRANSMISSION AND EQUIPMENT

- Eaton Fuller: 5, 6, 7 or 10-speed manual transmissions, automated manual transmissions
- Allison: a full range of automatic transmissions

Additional Equipment

- Oil coolers, lube pumps, automatic neutrals, relocating lube dip sticks
- Several automatic transmission shift control configurations for either the push-button or electronic T-bar type column shifter
- Proprietary shift ratios available with Eaton transmissions

Body Builder Friendly

DuraStar simplifies the installation process and minimizes costs:

- Transmission interface wiring
- Transmission-shift inhibit

(50)

• Auto neutral for PTO and torque convertor lock-up





Manual and Automated Transmissions	Eaton Fuller and Allison
es and available speeds	Manual: 6, 7 and 10-speed
	Automated manual: 6-speed
	Fully automatic manuals: 5 or 6-speed
Allison Automatics	1000, 2100, 2200, 2500, 2550, 3000 and 3500
Available speeds	5 or 6-speed
ilable Allison Vocational Codes	HS, RDS, EVS, TRV and MH
PTO controls	Available dash-mounted PTO control
Oil Cooler	Available water to oil type
Available Transmission Shifter configurations	Push button: Instrument panel mounted T-bar type: Column shifter



Hino

238-338

Mercedes, Eaton Fuller, TTC and Allison

Manual: 5, 6, 8, 9 and 10-speed Automated manual: 5 or 6-speed Fully automatic manuals: N/A 1000, 2000, 2100, 2500, 3000, 3200 and 3500 5 or 6-speed

HS, RDS, EVS and TRV

Available dash-mounted PTO control Available water to oil type

Push button: Instrument panel mounted T-bar type: Column or panel mounted SmartShift™: Column mounted

Freightliner M2 106

Eaton or Allison

Manual: 6-speed Automated manual: 6-speed Fully automatic manual: N/A 2200, 2500 and 3000

6-speed HS or RDS

Not available

Not available

Optional shifter configurations are not available

Kenworth T270/370

Eaton or Allison

Manual: 6, 9 and 10-speed Automated manual: 6-speed Fully automatic manual: N/A 1000, 2100, 2200, 2500, 3000 and 3500

5 or 6-speed

HS, RDS and EVS

Available dash-mounted PTO control

Not available

Optional shifter configurations are not available

(51)

SERVICEABILITY

Ease of service helps guarantee that important routine maintenance will become ... routine.

DuraStar's routine service points are, for the most part, located on the same side of the vehicle.

- Crucial fluids are easily located
- Most fluid levels are simply determined through translucent reservoirs
- Engine oil and transmission fluids are easy to access

Standard Service Related Features

- Extended life engine coolant
- Fuel-Water Separator with Restriction Indicator and Water-in-Fuel Sensor
- ➤ High-temperature radiator hoses (-40°F +300°F)
- Gates shrink-band type thermoplastic coolant hose clamps

Shrink-Band Benefits

(52)

- Maintain a consistent, dynamic tension, so they never need retightening
- Apply more uniform force around the fitting
- Maintain higher percentage of force at low temperatures vs. metal clamps
- > Joint fit and function improve with use, compared with others whose systems are only at their best when first installed



Driver Side Service Points Engine oil check/fill Transmission fluid check Coolant check/fill Washer fluid check/fill Power steering check/fill Passenger Side Air cleaner filter minder Service Points Clear Fluid Reservoirs Coolant, brake fluid, power steering Coolant Available Standard: Extended life -40°F Splash Shield Mounting Driver: raises with hood Passenger: stationary Hose Clamps Standard: Thermoplastic shrink bands



Engine oil check Transmission fluid check Power steering fluid check

Coolant check/fill Coolant, power steering check/fill Standard: HD pre-charged SCA -34°F Optional: Extended life Driver: raises with hood

Passenger: raises with hood

Optional: Gates PowerGrip[™] shrink

Note: Oil fill and dipstick located for enhanced serviceability is only available on the more expensive M2 106V

Freightliner M2 106



Hino

238-338

Engine oil check/fill Coolant check/fill Power steering fluid check

Transmission fluid check Air cleaner filter minder

Coolant check/fill No published options

Driver: raises with hood Passenger: stationary

Standard: Screw clamps No optional clamps

Note: Dip-sticks are used for brake fluid and power steering reservoirs

Washer fluid reservoir located in-cab, under passenger seat

Kenworth T270/370



Engine oil check Transmission fluid Coolant check/fill Washer fluid check/fill Power steering check/fill Air cleaner filter minder

Power steering check/fill

Standard extended life coolant - no temperature parameters specified

Driver: raises with hood

Passenger: raises with hood

Standard: Constant-tension spring clamps

Note: Site bowl is used for coolant reservoir

CUSTOMER SUPPORT

OnCommand[™] provides customers with a unique group of business tools that helps them manage their business better keeping their trucks on the road.

OnCommand[™] Knowledge

- Service: Web-based service manuals, letters, circuit diagrams and VIN-specific data,
- **Parts**: Web, print, or CD-based parts catalog with detailed illustrations and optional electronic ordering

OnCommand[™] Education

Web-based vehicle and systems training courses for self-maintainers

OnCommand[™] Control

- **Repair Advocate** Integrated fleet repair management system
- Service Partner Dealer-provided maintenance and repairs providing expedited service to customers
- Fleet Charge Parts purchasing program
- Maintenance and Inventory Management software solution for self-maintaining fleets and independent garages Parts Return Program – Surplus, unused and obsolete
- parts return for full cash value payout (54)

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BY NAVISTAR

Se	ervice Information	OnCommand™ Service Information (Formerly Fleet ISIS®)	
	Parts Information	OnCommand™ Parts Information (Formerly Fleet Parts Catalog Online and Custom Parts Catalogs)	
	rchasing Card for Parts and Service	OnCommand™ Fleet Charge [®]	
Preven	Network-Wide Consistent Price tive Maintenance	OnCommand™ Preventive Maintenance (Formerly Performance PM®)	
Roac	lside Break Down Management	OnCommand™ Repair Advocate / EBS	
/	Obsolete Parts Return Program	OnCommand™ Parts Return Program (Formerly CPR / GPRP)	
Ed	ucation Solutions	OnCommand™ Education	
abor	Time Consistency	OnCommand™ Service Partner	
	Parts Inventory Management	OnCommand™ Maintenance and Inventory Management (Formerly Diamond Connection® Solutions)	

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Rapid Repair Assessment Accelerated Service -Express Diagnostics

5.7.0.

Freig Service Pro FleetPack® None Excelerator Service Training Ac

None

Freightliner Fleet C

Express Assessme

ghtliner	Hino	Kenworth
	HinoNet	ServiceNet
	None	PACCAR Parts Online
	None	PACCAR Parts Fleet Services
	None	PremierCare Preventive Maintenance
	HINOWATCH	PremierCare RoadSide Assistance
	None	None
cademy	HinoNet Training (Hand-on only)	PremierCare Training
	None	None
Connect	None	PremierCare Connect
ent	None	PremierCare Express Services



ENGINEERED FOR WHAT MATTERS MOST

Performance

- Meets the specific needs of your business
- Frames and axles are designed and rated to handle whatever job you take on

MaxxForce[®] Power

- ✤ 3 proprietary engines: MaxxForce[®] 7, DT and 9
- The only engines with hassle-free MaxxForce[®] Advanced EGR technology that enables customers to focus on their business without worrying about meeting 2010 emissions requirements

Driver Satisfaction

(56)

- Roomy, wide, highly maneuverable 82" wide cab
- Smooth and easy entry and egress

Diamond Logic[®] Electrical System

- Streamlines the process of integrating equipment into the chassis electrical system
- Increases reliability and uptime ... reduces repair costs

Cost of Ownership

- Easy to service
- Extended/synchronized service intervals keep your truck on the road, out of the shop
- Industry-leading resale value





COMPETITIVE COMPARISON GUIDE: MEDIUM DUTY



A NAVISTAR COMPANY