

## MEDIUM DUTY COMPETITIVE COMPARISON

**Isuzu Trucks go head-to-head with the competition:**



### NPR-HD Advantages Over Ford E-450 Super Duty



**Ford E-450:**

- E-450 competes against NPR-HD
- 2 wheelbase choices on E-450
- 5.4L V8 gas standard, 6.8L V-10 gas optional
- 6.0L diesel engine for 2009
- New instrument panel for 2009
- Automatic transmission only
- Room for only 2 people -- no center seat
- No tilt cab -- difficult engine accessibility



**NPR Advantages:**

- More available wheelbases to meet customer needs (109, 132.5, 150 and 176 in. vs. 158 and 176 in.)
- Maximum effective CA of 147 in. vs. 118 in. CA for E-Series. NPR can accommodate bodies to 20 ft. in length (or 24 feet with extended frame) vs a maximum 16 ft. on E-450
- Built from the ground up as a commercial vehicle for a long life (E-450 is a cutaway van or stripped chassis)
- Higher GVWR helps meet commercial needs (14,500 lb. vs. 14,050 lb.)
- Combine higher GVWR with lower weight and NPR-HD has up to a 700 lb. payload advantage over comparable E-450 models of the same CA
- Higher front-axle capacity (6830 lb. vs. 5000 lb.) stands up to rugged commercial use
- Tilt cab allows easy engine access (limited engine access on E-350 Super Duty)
- Tighter turning diameter (curb-to-curb) for comparable cab-to-axle ratio (33.5 ft./109.0 in. WB vs. 47.9 ft./138.0 in. WB ) improves maneuverability
- Reverse Elliot I-Beam front axle is strong and maintains alignment for reduced tire wear (Twin I-Beam with coil springs on E-450 vary wheel camber, causing excess tire wear and alignment problems)
- Wider door opening for easy entry and exit (85 degree vs. 70 degree)
- Durable tricote breathable woven seat material is comfortable and long lasting (solid vinyl on E-350 Super Duty)
- Standard tilt and telescopic steering column contributes to driver comfort (optional tilt steering wheel on E-350)
- Grab handle to assist entry and exit contributes to safety on the job (not available on E-Series)
- 6-speed automatic (with diesel) vs. 5-speed helps
- improve performance and efficiency
- Longer scheduled maintenance intervals helps reduce downtime and service costs (every 10,000 mi. vs. every 5,000 mi.)
- Higher frame yield strength contributes to durability (44,000 psi vs. 36,000 psi)

- Higher frame section modulus helps meet commercial needs (7.20 cu. in. vs. 6.40 cu. in.)
  - 3-passenger seating with fold-down passenger seats vs.
  - 2-passenger seating with no fold down seatbacks
  - Wide, self-cleaning step on NPR vs. optional running boards on E-450
  - Diesel exhaust brake adds braking power and contributes to brake life (not available on E-450)
  - Straight, flat frame rails for easy body installation vs. E-Series frame that wraps over rear axle, requiring additional equipment for body installation
-

SPECIFICATIONS		
	<b>Isuzu NPR-HD</b>	<b>Ford E-450 Super Duty</b>
GVWR	14,500 lb.	14,050 lb.
Engine type (gas)	SOHC I-4 (OHV V8)	OHV V8 (SOHC V8/V10)
Displacement (gas)	5.2L (6.0L)	6.0L (5.4L/6.8L)
HP, gas	325 @ 5000	255/305 @ 4250
Torque, gas	360 @ 4400	350/420 @ 3250
HP, diesel (MT)	175 @ 2400	NA
HP, diesel (AT)	205 @ 2400	235 @ 3300
Torque, diesel (MT)	387 @ 1850	NA
Torque, diesel (AT)	441 @ 1850	440 @ 1600
Clutch, in.	12.8	NA
Transmission, gas	4ODA GM	5ODA Ford
Transmission, diesel	6ODA Aisin	5ODA Ford
Alternator, amp (gas)	110 (145)	130 (120)
Steering	18.8-20.9:1 power	17:1 power
Front axle, lb.	6,830	5,000 Twin I-Beam
Front springs, lb.	8,440 taperleaf	4,600 coil
Rear axle, lb. (gas)	14,550 (11,020)	9,450
Rear springs, lb.	9,880 multileaf	9,500 multileaf
Wheels (gas)	16 x 6 (19.5 x 6) in. 6-bolt	16 x 6 in. 8-bolt
Tires (gas)	215/85R-16E (225/70R19.5F)	225/75R-16E
Brakes, front (gas)	11.5 (14.3) in. disc	13.58 in. disc
Brakes, rear (gas)	12.6 x 3.94 (4.72) in. drum	13.58 in. disc
Frame, psi	44,000	36,000
Frame width, in	33.5	34
Frame section modulus	7.20 cu. in.	6.40 cu. in.
Frame RBM	316,800	313,200
Battery, CCA (gas)	2x750 (1x750)	2x750 (1x650)
Fuel tank, gal.	30 in-frame	40 in-frame
Seating	Driver & 2 pass.	2 buckets
Mirrors, in.	8x17	7x8.5
WB/CA (effective)	109.0/80.0	158/90.0
	132.5/103.5	176/108.0
	150.0/121.0	
	176.0/147.0	
WB/Turning Diameter	109.0/33.5	158/54.1
(curb-to-curb, ft.)	132.5/40.7	176/59.9
	150.0/45.3	
	176.0/51.9	
WB/Body lengths	109.0/10,(gas) 12	158/11, 12, 14
	132.5/14	176/14, 16
	150.0/16, 18	
	176.0/20	

STANDARD EQUIPMENT		
	<b>Isuzu NPR-HD</b>	<b>Ford E-450 Super Duty</b>
Vehicle Health Reports	Standard	Not Available
Drop-design windows	Standard	Not Available
DEX-COOL	Standard (gas)	Not Available
Exhaust brake	Standard (diesel)	Not Available
Tilt/telescopic steering column	Standard	Optional Tilt
Tricot fabric	Standard	Optional Fabric
Tilt cab	Standard	Not Available
Folding center seat	Standard	Not Available
Daytime running lamps	Standard	Optional
Cruise control	Standard	Optional
PTO prep.	Standard (diesel)	Optional (diesel)
Air conditioning	Standard (gas)	Standard
Power windows	Standard	Optional
Power door locks	Standard	Optional
Floor mat	Standard	Standard
Tachometer	Standard	Standard
Convex mirrors	Standard	Standard
OPTIONAL EQUIPMENT		
	<b>Isuzu NPR-HD</b>	<b>Ford E-450 Super Duty</b>
Engine block heater	Optional (diesel)	Optional
Engine oil pan heater	Optional	
Limited slip differential	Optional	
AM/FM/CD	Optional	Optional
Air deflector	Optional	
Spare wheel	Optional (Dealer Installed)	
Side mounted fuel tank	Optional (diesel)	
Engine protection system	Optional (diesel)	
Engine hour meter	Optional (diesel)	
Backup alarm	Optional	
Chrome wheel sim.	Optional	
Heated mirrors	Optional	
WARRANTY		
	<b>Isuzu NPR-HD</b>	<b>Ford E-450 Super Duty</b>
Base warranty, diesel	36 months/unlimited mileage	36 months/36,000 miles
Base warranty, gas	36 months/36,000 miles	36 months/36,000 miles
Engine warranty, diesel	36 months/unlimited mileage	60 months/100,000 miles
Engine warranty, gas	36 months/36,000 miles	60 months/60,000 miles

© 2008 Isuzu Commercial Truck of America. All rights reserved. Information contained herein is intended for use by Isuzu and GM Sales Consultants only. The information presented in this release was correct at the time of printing. Isuzu Commercial Truck of America reserves the right to make changes in color, prices, materials, equipment, specifications, warranties and models without notice or obligation. Some features shown or described are optional equipment items that are required in combination with other options. GMC, Chevrolet, General Motors Corp., GM and DEX-COOL are registered trademarks of Isuzu Commercial Truck of America. Produced by Sandy Corporation.