

# ★ ★ ★ ISUZU TRUCK CHALLENGE ★ ★ ★



## NPR-HD GAS vs. Ford E-450

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

- More available wheelbases to meet customer needs (109, 132.5, 150 and 176 in. vs. 158 and 176 in.)
- NPR-HD Gas can accommodate bodies to 20 ft. in length 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.)
- 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-450 Super Duty)
- Tighter turning diameter (curb-to-curb) for comparable cab-to-axle ratio (33.5 ft./109.0 in. WB vs. 54.8 ft./154.0 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-450 Super Duty)
- Standard tilt and telescopic steering column contributes to driver comfort (optional tilt steering wheel on E-450)
- 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
- 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 GAS</b>	<b>Ford F-450 Super Duty</b>
GVWR	14,500 lb.	14,050 lb.
Engine type	6.0L OHV V8	5.4L SOHC V8 / 6.8L SOHC V10
Horsepower	297 @ 4300	255/305 @ 4250
Torque	372 @ 4000	350/420 @ 3250
Transmission	6L90-E Hydra-Matic	5ODA Ford
Steering	Power Steering	17:1 power
Front axle, lb.	6,830 Reverse Elliot I-Beam	5,000 Twin I-Beam
Front springs, lb.	8,440 Tapered Leaf	4,600 coil
Rear axle, lb.	14,500	9450
Rear springs, lb.	9,880 Multi Leaf	9,500 multileaf
Wheels	19.5 x 6 in. 6-bolt	16 x 6 in. 8-bolt
Tires	225/70R19.5F	225/75R-16E
Brakes, front	14.3 in. disc	13.58 in. disc
Brakes, rear	12.6 x 4.72 in. drum	13.58 in. disc
Frame, psi	44,000	36000
Frame width, in	33.5	34
Frame RBM	316,800	313,200
Battery, CCA	1x750	2x750 (1x650)
Fuel tank, gal.	30 in-frame	40 in-frame
Seating	Driver & 2 passenger	2 buckets
Mirrors, in.	8x17	7x8.5
WB/CA (effective)	109.0/86.5	158/90.0
	132.5/110.0	176/108.0
	150.0/127.5	
	176.0/153.5	
WB/Turning Diameter	109.0/33.5	158/54.8
(curb-to-curb, ft.)	132.5/40.7	176/60.3
	150.0/45.3	
	176.0/51.9	
WB/Body lengths	109.0/10,12	158/11, 12, 14
	132.5/14	176/14, 16
	150.0/16,18	
	176.0/18,20	

**EQUIPMENT**

Drop-design windows	Standard	Not Available
Exhaust brake	Standard	Not Available
Tilt/telescopic steering column	Standard	Optional Tilt
Tricot fabric	Standard	Optional Fabric
Tilt cab	Standard	Not Available
Folding center seat	Standard	Uplevel equipment
Daytime running lamps	Standard	Optional
Cruise control	Standard	Optional
Air conditioning	Standard	Standard
Power windows	Standard	Optional
Power door locks	Standard	Optional
Floor mat	Standard	Standard
Tachometer	Standard	Standard
Convex mirrors	Standard	Standard
AM/FM/CD	Standard	Optional
Engine block heater	Optional	Optional
Engine oil pan heater	Optional	Not Available
Air deflector	Optional	Not Available
Spare wheel	Optional	Optional
Backup alarm	Optional	Optional
Chrome wheel sim.	Optional	Optional
Heated mirrors	Optional	Optional

**WARRANTY**

Base warranty	36 months/36,000 miles	36 months/36,000 miles
Engine warranty	60 months/75,000 miles	60 months/60,000 miles