

# ★ ★ ★ ISUZU TRUCK CHALLENGE ★ ★ ★



## ISUZU NPR Gas vs. Ford E-350

### NPR Gas Advantages Over Ford E-350 Super Duty:

- More available wheelbases to meet customer needs (109, 132.5, 150 and 176 in. vs. 138, 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 vs a maximum 16 ft. on E-350
- Built from the ground up as a commercial vehicle for a long life (E-350 is a cutaway van or stripped chassis)
- Higher GVWR helps meet commercial needs (12,000 lb. vs. 11,500 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-350 Super Duty)
- Tighter turning diameter (curb-to-curb) for comparable cab-to-axle ratio (40.7 ft./132.0 in. WB vs. 48.6 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-350 vary wheel camber, causing excess tire wear and alignment problems)
- Wider door opening for easy entry and exit (85 degree vs. 70 degree)
- Durable tricot 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 7,500 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. 5.73 cu. in.)
- Higher RBM is a measure of the total advantage in frame strength over the E-3500 (316,800 lb.-ft./in. vs. 206,280 lb.-ft./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-350
- Diesel exhaust brake adds braking power and contributes to brake life (not available on E-350)
- 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</b>	<b>Ford E-350 Super Duty</b>
GVWR	12,000 lb.	11,500/12,500 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	50DA Ford
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	3,900 coil
Rear axle, lb.	11,020	8,500
Rear springs, lb.	9,880 multileaf	7,800 multileaf
Wheels	16 x 6 in. 6-bolt	16 x 6 in. 8-bolt
Tires	215/85R-16E	225/75R-16E
Brakes, front	11.5 in. disc	13.6 in. disc
Brakes, rear	12.6 x 3.94 in. drum	13.6 in. disc
Frame, psi	44,000	36,000
Frame width, in	33.5	34
Frame section modulus	7.20 cu. in.	5.73 cu. in.
Frame RBM	316,800	313,200
Battery, CCA	1x750	1x650
Fuel tank, gal.	30 in-frame	40 in-frame
Seating	Driver & 2 pass.	2 buckets
Mirrors, in.	8x17	7x8.5
WB/CA	109.0/86.5	138/80.0
	132.5/110.0	158/100.0
	150.0/127.5	176/118.0
	176.0/153.5	
WB/Turning Diameter (curb-to-curb, ft.)	109.0/33.5	138/48.6
	132.5/40.7	158/54.9
	150.0/45.3	176/60.3
	176.0/51.9	
WB/Body lengths	109.0/10-12	138/10, 11, 12
	132.5/14	158/11, 12, 14
	150.0/16-18	176/14, 16
	176.0/20	

**EQUIPMENT**

Drop-design windows	Standard	Not Available
DEX-COOL	Standard	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
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 oil pan heater	Optional	
Air deflector	Optional	
Spare wheel	Optional (Dealer Installed)	
Backup alarm	Optional	
Chrome wheel sim.	Optional	
Chrome grille	Optional	
Heated mirrors	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