

★ ★ ★ ISUZU TRUCK CHALLENGE ★ ★ ★



NPR-HD GAS vs. Ford F-450

NPR-HD GAS Advantages Over Ford F-450 Super Duty:

- NPR has four wheelbases 109, 132, 150, 176 with longer Cab to Axle options allowing longer bodies, but shorter turning radius
- NPR-HD can accommodate 25% more cargo capacity with body up to 20 ft. in length vs. a maximum 16 ft. on F-Series
- Built from the ground up as a commercial vehicle for a long life. F-450 is derived from a pickup
- NPR-HD 14,500 GVWR versus Ford F-450 16,500 GVWR but has about the same body and payload allowance due to lighter total chassis weight
- Reverse Elliot I-Beam front axle is strong and durable. Mono I Beam used on F-450 varies camber with load, contributing to tire wear
- NPR-HD Front Tapered leaf springs provides a smoother ride then F-450 Coil springs
- N-Series rear axle capacity of 14,550 is 21% higher than Ford at 12,000 lbs.
- Tilt cab allows easy engine access. Limited engine access on F-450 Super Duty with very high reach-over to engine area. Some technical procedures on F-450 requires cab to be removed
- Tighter turning diameter curb-to-curb for comparable cab-to-axle ratio (33.5 ft./109 in. WB vs. 42.3 ft./141 in. WB) improves maneuverability
- Wider door opening for easy entry and exit (85 degree vs. 60 degree)
- Durable tricote breathable woven seat material is comfortable and long lasting. Solid vinyl on F-450 Super Duty
- Standard tilt and telescopic steering column contributes to driver comfort. Optional tilt steering wheel on F-450
- Grab handle to assist entry and exit contributes to safety on the job. Not available on F-Series
- Standard fold-down center seat includes convenient work area on NPR; base seat on F-450 is non-folding bench
- Higher frame yield strength contributes to 18% higher capacity and durability (44,000 psi vs. 36,000 psi)
- Greater visibility with larger windshield, larger side windows, larger side mirrors and lower dash to improve vision. Front sight line of 8.6 ft. for NPR vs. 23.8 ft. for F-450
- Standard daytime running lamps vs. optional
- Battery box on frame rails of NPR helps extend battery life by removing batteries from hot under-hood area
- Easier serviceability with in-cab fluid checks vs. Ford's under-hood fluid-checks

SPECIFICATIONS

| | Isuzu NPR-HD GAS | Ford F-450 Super Duty |
|---------------------|-----------------------------|------------------------------|
| GVWR | 14,500 lb. | 16,500 lb. |
| Engine type | 6.0L OHV V8 | 6.7 Liter V8 |
| Horsepower | 297 @ 4300 | 362 @ 4750 |
| Torque | 372 @ 4000 | 457 @ 3250 |
| Transmission | 6L90-E Hydra-Matic | 50DA Ford |
| Steering | Power Steering | Power Steering |
| Front axle, lb. | 6,830 Reverse Elliot I-Beam | 7,000 Dana Monobeam |
| Front springs, lb. | 8,440 Tapered Leaf | 4,800 Coil Springs |
| Rear axle, lb. | 14,500 | 12,000 |
| Rear springs, lb. | 9,880 Multi Leaf | 12,000 Multi Leaf |
| Wheels | 19.5 x 6 in. 6-bolt | 19.5 x 6 |
| Tires | 225/70R19.5F | 225/70R19.5G |
| Brakes, front | 14.3 in. disc | 14.53 in. disc |
| Brakes, rear | 12.6 x 4.72 in. drum | 15.35 in. disc |
| Frame, psi | 44,000 | 36,000 |
| Frame width, in | 33.5 | 34 |
| Frame RBM | 316,800 | 313,200 |
| Battery, CCA | 1x750 | 2x750 |
| Fuel tank, gal. | 30 in-frame | 40 in-frame |
| Seating | Driver & 2 passenger | Bench driver & 2 passenger |
| Mirrors, in. | 8x17 | 7x8.5 |
| WB/CA (effective) | 109.0/86.5 | 141/60.0 |
| | 132.5/110.0 | 165/84.0 |
| | 150.0/127.5 | 189/108.0 |
| | 176.0/153.5 | 201/120.0 |
| WB/Turning Diameter | 109.0/33.5 | 141/42.3 |
| (curb-to-curb, ft.) | 132.5/40.7 | 165/48.6 |
| | 150.0/45.3 | 189/54.8 |
| | 176.0/51.9 | 201/57.9 |
| WB/Body lengths | 109.0/10,12 | 141/10 |
| | 132.5/14 | 165/12 |
| | 150.0/16,18 | 189/14 |
| | 176.0/18,20 | 201/16 |

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 |