

MEDIUM DUTY COMPETITIVE COMPARISON

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



NPR-HD Advantages Over Ford F-450 Super Duty



Ford F-450:

- F-450 competes against NPR
- 4 wheelbase choices on F-450 regular cab with 120 inch maximum CA
- 16,500 lb. GVWR on F-450; 15,000 lb. GVWR option
- 6.8L V-10 gas standard
- 6.4L diesel engine available
- Available with regular cab, extended cab or crew cab
- New Ford Work Solutions connectivity features
- 4WD available
- No tilt cab -- difficult engine accessibility



NPR Advantages:

- Overall length of comparable CA trucks is 50 inches shorter, requiring less parking space for fleets
- Maximum effective CA of 147 in vs. 120 in. CA for F-Series. N-Series can accommodate bodies 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)
- Reverse Elliot I-Beam front axle and taperleaf springs on NPR-HD are rugged and low maintenance with excellent service history. Ford uses coil springs on a tubular beam, with leading links and a lateral link for axle location.
- Conventional cab Ford weights much more than shorter cabover Isuzu. Comparable CA diesel models show Isuzu is 1865 lb. lighter than Ford. Gas engine Isuzu is 1546 lb. lighter. Extra truck weight costs operators extra fuel for every mile traveled
- Tilt cab allows easy engine access (limited engine access on F-450 Super Duty with very high reach-over to engine area)
- Tighter turning diameter (curb-to-curb) for comparable cab-to-axle ratio (33.5 ft./109.0 in. WB vs. 48.6 ft./165.0 in. WB) dramatically 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 standard 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)
- 6-speed automatic (with diesel) vs. 5-speed helps improve performance and efficiency
- 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 durability (44,000 psi vs. 36,000 psi)
- Standard diesel exhaust brake contributes to brake life and braking performance. Not available on F-450
- 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

- Wide, self-cleaning step on NPR vs. optional cab steps on F-450
 - Standard daytime running lamps vs. optional
 - Battery box on frame rails of NPR-HD 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
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SPECIFICATIONS		
	Isuzu NPR-HD	Ford F-450 Super Duty
GVWR	14,500 lb.	16,500
Engine type (gas)	SOHC I-4 (OHV V8)	OHV V8 (SOHC V8/V10)
Displacement (gas)	5.2L (6.0L)	6.4L (6.8L)
HP, gas	325 @ 5000	362 @ 4750
Torque, gas	360 @ 4400	457 @ 3250
HP, diesel (MT)	175 @ 2400	325 @ 3000
HP, diesel (AT)	205 @ 2400	325 @ 3000
Torque, diesel (MT)	387 @ 1850	600 @ 2000
Torque, diesel (AT)	441 @ 1850	600 @ 2000
Clutch, in.	12.8	11.9/13
Transmission, gas	4ODA GM	6ODM/5ODA Ford
Transmission, diesel	6ODA Aisin	6ODM/5ODA Ford
Alternator, amp (gas)	110 (145)	200 (157)
Steering	18.8-20.9:1 power	17:1 power
Front axle, lb.	6,830	7,000
Front springs, lb.	8,440 taperleaf	4,800/6,500 coil
Rear axle, lb. (gas)	14,550 (11,020)	12,000
Rear springs, lb.	9,880 multileaf	12,000 multileaf
Wheels (gas)	16 x 6 (19.5 x 6) in. 6-bolt	19.5 x 6 in. 10-bolt
Tires (gas)	215/85R-16E (225/70R19.5F)	225/70R19.5G
Brakes, front (gas)	11.5 (14.3) in. disc	14.53 in. disc
Brakes, rear (gas)	12.6 x 3.94 (4.72) in. drum	15.35 in. disc
Frame, psi	44,000	36,000
Frame width, in	33.5	34
Frame section modulus	7.20 cu. in.	10.1/17.2
Frame RBM	316,800	363,600
Battery, CCA (gas)	2x750 (1x750)	2x750 (1x650)
Fuel tank, gal.	30 in-frame	40 in-frame
Seating	Driver & 2 pass.	3 pass. Bench
Mirrors, in.	8x17	7x8.5
WB/CA (effective)	109.0/80.0	141/60.0
	132.5/103.5	165/84.0
	150.0/121.0	189/108
	176.0/147.0	201/120
WB/Turning Diameter (curb-to-curb, ft.)	109.0/33.5	141/42.3
	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,(gas) 12	141/8, 9
	132.5/14	165/10, 11, 12
	150.0/16, 18	189/14, 16
	176.0/20	201/16, 18
Notes:		

STANDARD EQUIPMENT		
	Isuzu NPR-HD	Ford F-450 Super Duty
Vehicle Health Reports	Standard	Not Available
Drop-design windows	Standard	Not Available
DEX-COOL	Standard (gas)	Equivalent
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	Uplevel equipment
Daytime running lamps	Standard	Fleet option
Cruise control	Standard	Uplevel or fleet option
PTO prep.	Standard (diesel)	Optional
Air conditioning	Standard (gas)	Optional
Power windows	Standard	Optional
Power door locks	Standard	Optional
Floor mat	Standard	Standard
Tachometer	Standard	Standard
Convex mirrors	Standard	Standard
OPTIONAL EQUIPMENT		
	Isuzu NPR-HD	Ford F-450 Super Duty
Engine block heater	Optional (diesel)	Optional
Engine oil pan heater	Optional	
Limited slip differential	Optional	Optional traction control
AM/FM/CD	Optional	Optional, AM/FM Standard
Air deflector	Optional	
Spare wheel	Optional (Dealer Installed)	Optional
Side mounted fuel tank	Optional (diesel)	
Engine protection system	Optional (diesel)	
Engine hour meter	Optional (diesel)	Standard
Backup alarm	Optional	
Chrome wheel sim.	Optional	
Heated mirrors	Optional	Optional
WARRANTY		
	Isuzu NPR-HD	Ford F-450 Super Duty
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

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