



FLYER[®] 72 | HD

HEAVY DUTY



The Flyer[®] 72 - Heavy Duty (F72-HD) ground mobility vehicle, currently in production is a purpose-built, lightweight vehicle designed to meet complex mission sets. Selected by the U.S. Special Operations Command (USSOCOM) as the vehicle of choice for their Ground Mobility 1.1 (GMV 1.1) Program of Record, at 72" wide, it is capable of internal transport in the CH-47, CH-53, and C-130 aircraft.

The F72-HD is a mature, highly mobile platform, with a payload capacity of 5,700 pounds, that can be configured to multiple crew sizes (up to nine). It can be guns up in less than one minute after exiting the aircraft, and is capable of carrying a variety of armaments. Its adaptable communications suite provides increased operating range and provides the operator real-time access to critical information.

As a reliable, high performance vehicle, the F72-HD offers safe and fast operating speeds with superior levels of mobility and maneuverability. It's highly adaptable to severe, rugged and restrictive terrains while providing off-road, cross-country mobility in all types of weather conditions.

- ◆ **Increased Speed, Mobility & Transportability**
- ◆ **Tailorable Command & Control Suite**
- ◆ **Scalable Modular Armor for Increased Protection**
- ◆ **Multiple Weapon Configurations**
- ◆ **Payload Adaptability**

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DRIVEN TO EXCEED™

FLYER 72-HD

PERFORMANCE

Top Speed	95 mph (153 kph)
Cruising Range	300 miles (483 km) at Mission Profile; 500 miles on flat ground at 40 mph (805 km)
Maximum Grade	60%
Dynamic Side Slope	40%
Fording	30" no prep (76 cm)



SPECIFICATIONS

Seating	Up to 7 seats: 3 front, 2 rear, 1 rear-facing (with optional secondary seat kit,) 1 gunner seat, 5 point seat restraints. 5 seats under armor configuration
Wheelbase	126" (320 cm)
Length	182" (462 cm); 193" (490 cm) with pushbar and winch
Body Width	Chassis width: 72" Width at tire: 79.25" (201 cm) Width with side cargo box: 85" (216 cm)
Height	72" (183 cm) Adjustable
Curb Weight	7300 lb. (3311 kg)
Payload	5700 lb. (2585 kg)
Gross Vehicle Weight	13,000 lb. (5897 kg)
Combined Gross Vehicle Weight	14,600 lb. (6,622 kg)
Cross Country Towing Capacity	6,500 lb. (2,948 kg)
Approach Angle	73.4°/55.5° w/pushbar & winch
Departure Angle	53.1°
Ramp Over Angle	146.7°
Vertical Step	18" (45.7 cm)
Ground Clearance	14" (35 cm)
Fuel Capacity	23 gal. (87.5 L)
Chassis	Tubular Space Frame
Roll Cage	Integrated roll cages meets FMVSS 216 & SAE J2422 CH#5 & 6

POWERTRAIN

Engine Type	2.0 L GM DOHC BiTurbocharged Intercooled JP8/F24/Diesel Direct Injection Common Rail Fuel System
Horsepower/Torque	220 HP (164 kW)/ 332 ft. -lb. (450 Nm)
Transmission Type	Automatic power shift 6 speed (Tiptronic)
Torque Converter	Lockable
Differentials	Limited slip-front and limited-slip locking rear
Transfer Case	2 speed, high 4x2 or low full time 4x4

SUB SYSTEMS

HD Suspension, f/r	4-wheel coil over shocks independent adjustable suspension with 4 air spring variable ride
Service Brakes, f/r	Power assist 4-wheel disc with ABS
Wheel and Tire Size	Wheel size 37 x 13.5 R17 load range E with bead lock and VFI run flat

ELECTRICAL

12VDC Charging	14.4 VDC, 140 amp
Battery Capacity	1 x 12V System, 68 Ah
24VDC Charging	12/28 VDC, 50/210 amp
Battery Capacity	2 x 12V System, 120 Ah (24V System)

MISSION CONFIGURATION - KITS

CASEVAC	Up to 3 litters; 2 in rear, 1 in front
HD Cooling System	More than 50C ambient operational capability
Weapons Compatibility (Options)	Heavy duty ring compatible with: M-2, MK-47, M-240 Remote Weapon System (RWS) Mark -44 kit up to 18,000 round capable Door mounted side swing arm mounts x4
Armor Kit Crew (Option)	Crew Protection STANAG Level II
Armor Kit Blast (Option)	Blast Protection STANAG Level I
HD Winch and Pushbar	13,000 lb rated system



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