



The Operator Performance Laboratory (OPL)
1801 South Riverside Drive, Hangar H
Iowa City Municipal Airport (KIOW, CTAF 122.8, Rwy 7/25)
Iowa City, Iowa 52242
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Research Aircraft Specification Sheet

Make: MI-2 Hoplite
Registration: N211PZ, State of Iowa, University of Iowa, liability insured
Crew: 1, left front seat safety pilot, right front seat evaluation pilot, 2 seats for FTEs in rear. Middle seat row used for instrument rack.
Cost: \$850/hr at @ 26% F&A
Capacity: 700 kg (1,540 lb) internal, 800 kg (1,760 lb) external cargo
Rotor: Fully articulated, hydraulic boost
Anti-ice: Windshield, main and tail rotor, engine inlets, and pitot probe
Dimensions: Length: 11.9 m (39 ft 4 in), Rotor diameter: 14.6 m (47 ft 11 in), Height: 3.7 m (12 ft 2 in), Empty weight: 2,372 kg (5,218 lb), Loaded weight: 3,550 kg (7,810 lb), Max takeoff weight: 3,700 kg (8,140 lb)
Powerplant: 2 × PZL GTD-350 turboshafts, 298 kW (400 shp) each
Performance: Maximum speed: 220 km/h (138 mph), Range: 340 km (212 mi), Service ceiling: 4,000 m (13,120 ft), Rate of climb: 4.5 m/s (886 ft/min), Disc loading: 21 kg/m² (4.3 lb/ft²)
Instrumentation: Instrumented rack for multi-purpose applications. Total of 6 high performance PC computers (Linux or Windows), Cognitive Avionics Tool Set (CATS), 2 each 6 x 8 portrait 1024x768 daylight readable touch screens on evaluation pilot, safety pilot side uses certified backup instruments, 20 inch rear crew station touch screen for flight test engineer, 900 Mhz Long range data link, 1.2 Mbps, high speed L-band data link 2Mbps, 2.4Ghz 10W video link, 4 channel video, Hemisphere Crescent heading source, Rockwell Collins GuS GADHRS, Novatel ProPak V3 GNSS, 4kW 120VAC true sine wave inverter with buffer batteries, GPS, SVS/EVS software, OPL proprietary remote process management.

