



Fraser Shipyards
1 Clough Ave.
Superior, WI 54880
(715) 395-2255
www.lakeassault.com

14 July 2023

Lake Assault Boats is proud to present The Hall County GA Fire Department with a proven watercraft to assist in performing their duties to the highest level. Dependability, durability, safety and comfort are engrained into every Lake Assault product.

Delivery time from the time of award is 16 months after prebuild meeting. Delivery is contingent on longlead time items like engines which depending on selection could impact delivery.

Quote is valid for 30 Days.

These specifications are based on Lake Assault proven hull design. Each vessel is custom designed and engineered to meet your specific mission. Details of this specification can be adjusted to meet your requirements as needed. Please review and advise what additions/deletions you would like to see, and we will adjust the spec and GA drawing and provide quote ASAP.

Total cost of the craft HGAC **Part number AM18LC13** as written in the below listed base specification with the addition of the below listed published and unpublished options is **\$697,776.57 USD**. See payment terms below.

Payment terms

50% of the Contract price due upon award of contract.

30% of the Contract price is due upon final hull weld out.

10% of the contract price is due upon installation of propulsion engines.

10% of the Contract price is due upon delivery and acceptance of the Fire Boat/Patrol Boat.

If 100% payment is made at time of contract signing an additional discount of 1.5% (\$10,466.65 USD) will be applied to the contract resulting in an updated contract price of **\$687,309.92 USD**.

Published HGAC options included in price.

Life ring and rack

Addition of Stokes Basket engine guard

Addition of VUM forward (5-inch discharge and two 2.5-inch discharges)

Remote operated monitor on roof



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Addition of 3 gasketed windows one port and stbd and one additional aft
Delivery to Gainesville GA
Addition of second 12-inch MFD
Addition of 18-inch radar array
Addition of Yamaha joystick steering system
steering system
Second joystick controller for engines
Installation of VHF radio and antenna
Installation of 1 customer supplied radios and antennas.
Installation of 4 DR Kevin LED deck lights (2)
Upgrade to Bronze Pump
Port and stbd side dive doors (32-inch opening)
3 days training
Remote controlled spotlights (2)
Upgrade to raising scene lights.
Roof top A/c units (2)
Deck plate and bumpers on bow door
Diesel furnace
Battery status monitor
Diagonal hull rub rails
Windshield washer
Push knees
Portable bow monitor and hose
Tow post
Shock mitigating seats w storage below (Bentley).

Unpublished options included in price.

Installation of FLIR M364C and Joystick control for FLIR unit
Interior Cabin paint
Increase length of vessel from 36 to 38 feet and widen beam from 10.5 to 11 feet
Increase length of pilothouse
Bottom Paint
Upgrade to electrical folding mast
Trailer upgrade
Electric folding mast



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Addition of 7.5 KW generator
Paint above the waterline
Upgrade to 300 gallon fuel tank
Addition of folding foot rest
Folding patient bench port side
Padded bench seat behind shock mitigating seats stbd side
Additional battery for bow door
Whelen Pioneer summit 58 inch lights x 3
Whelen light and siren controller
Upgrade to twin 425 HP outboard engines
Vinyl lettering on hull/cabin
Cardiac monitor storage bracket
Whelen emergency lighting on perimeter of pilot house (8)
4 additional red/white dome lights in main cabin(8 total)

If you have any additional adjustments or changes, please contact me at bbeck@lakeassault.com or 479-250-7135.

V/R

Bob Beck
Director of Sales and Marketing
Lake Assault Boats, LLC

HGAC SPEC 36'x10.5' Landing Craft with Full-width Pilot House:

6.1.18 v1.0

A. GENERAL SPECIFICATIONS:

1. Hull Length 36' (does not include outboard engines, engine guard, or rub rails)
2. Beam 10 feet 6 inches (does not include engine guard, or rub rails)
3. Overall height not to exceed 13'6" while on trailer and attached to a tow vehicle.



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4. Draft should not exceed 18 inches with motors trimmed up and 24 inches with motors trimmed down.
5. Person and cargo capacity 3,500 lbs.
6. Boat weight 14,900 lbs approx.
7. Trailer weight 2,400 lbs approx.
8. Combined boat and trailer weight 17,300 lbs. approx.
9. Fire pump rated at 1500 GPM.

B. HULL DESIGN & OUTFITTING:

1. Hull is Landing Craft style modified "V" with 16-degree dead rise at the transom and 34" delta pad.
2. The boat has a 72" hydraulically operated bow door. The hydraulic system has cylinders on both sides of the door and is able to deploy door to 90 degrees from the closed position. The bow door will have an integrated ladder for diver re-entry, and flat tread areas for ATV deployment. Door has the ability to be latched in closed position. The boat can be safely operated at slow speeds with the bow door opened as a working platform.
3. There will be a hydraulic bypass for manual door operation.
4. There will be an aluminum rub rail with swimmer's grab rails just above the waterline on port and starboard sides of vessel.
5. There is a tread plate gunnel of at least 5" fore to aft.
6. All decks are self-bailing and provide sufficient water egress.
7. There are sacrificial anodes attached to the hull for electrolysis protection.
8. There is an "Equipment Leakage Circuit Interrupter" ("ELCI") installed to guard against electrical shock to persons in the water adjacent to the vessel.
9. Deck forward of the Pilot House accommodates the engine and pump unit.
10. There will be two lockable storage compartments, suitable for seating, provided on each side of the forward bow deck.
11. A 3/4" aluminum double pad eye will be incorporated into the keel.
12. There will be sufficient two-part polyurethane foam below deck to maintain flotation in the event of swamping.
13. 1 1/2" pipe safety railings are installed 6" above gunnel from dive doors, forward 72".
14. Eight (8) 10" welded aluminum cleats.
15. Bottom plating 1/4" 5083 or 5086-H116
16. Side plating 3/16" 5083 or 5086-H32
17. Deck plating 1/8" 5052-H32 diamond tread plate.



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18. Deck structure and component material are aluminum, they consist of 5083 or 5086 aluminum alloy with thicknesses of .190", .250", and .375", and are fully welded to the hull and all deck height transverse bulkheads and longitudinal girders to contribute to the strength of the hull. Floor is supported by 2x2 square tubing.
19. 3" Duramax D shaped rub rail along the full length of the boat at the gunnel height.
20. Three (3) 2000GPH automatic bilge pumps. Two are located at the transom, and one at the forward end of the delta pad. The pumps located at the transom are wired together, so they come on at the same time. Reasoning behind this is when the boats' trim changes, and the water rushes aft, the two pumps can capture and discharge as quickly as possible.
21. One (1) SS treaded drain plug is provided.
22. ABYC approved carbon monoxide detector in cab.

C. WELDING:

1. The hull and superstructure are constructed of marine grade aluminum and MIG and TIG welded throughout.
2. All water seams are welded 100% on both sides.
3. Longitudinal structural members are stitch welded on opposite sides.

D. FUEL SYSTEM:

1. 200-gallon fuel tank.
2. Fuel tank is EPA compliant and meets all venting and overflow safety requirements.

E. TOWING EQUIPMENT:

1. There is a 2" double pipe motor guard with tow line guides.

F. PILOT HOUSE:

1. The Full-width Pilot House has an interior clearance height of 76".
2. Component material is all welded construction of 5086 aluminum alloy of 3/16" thickness.
3. The Pilot House is equipped with a forward leaning, tempered safety glass windshield with windshield wiper. Two sliding tempered safety glass windows, one on each side and one clamped window on aft wall of house.
4. There is a lockable, hinged, swinging door with a tempered safety glass window on the fore and aft walls of the pilot house.
5. The dash console provides ample room for electronics, throttles, switches, and steering components.
6. Included is one Ritchie compass.



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7. Includes two marine fire extinguishers with 10-BC rating.
8. There is an overhead radio rack. Emergency radios are to be supplied by the Department and installed by Lake Assault. (Emergency radios may require tuning and programming by local Fire Dept Dealer upon delivery).
9. There is a grab rail alongside of the roof gutters on port and starboard sides.
10. There are 2 overhead grab rails running lengthwise in the Pilot House ceiling.
11. There is a grab rail near the console at the pump control station.
12. There are 2 grab rails on the exterior forward wall of the Pilot House.
13. There are 2 grab rails on the exterior aft wall of the Pilot House.
14. Four 12V red/white LED dome lights installed overhead inside of the cabin.
15. Padded helm seat box has storage below.

G. ELECTRICAL SYSTEM:

1. The vessel's electrical system is 12VDC and 120VAC 60 Hz.
2. All electrical cable is marine grade tinned copper wire and labeled for each circuit.
3. Cables are routed in wire ways wherever possible. Cables are protected with rubber wherever exposed to potential damage.
4. Electrical cables are sized in accordance with the American Boat & Yacht Council recommendations.
5. All electrical cables are marked in accordance with the markings in electrical drawings.
6. All electrical switches are of a heavy-duty type toggles properly insulated.
7. The electrical system is grounded. The hull is not used as part of a galvanic feeding loop.
8. Wiring for radios, and all electronics are protected with circuit breakers. Two additional circuit breakers are provided for future expansion of the electrical system.
9. Electrical compartments are provided in the cabin to house the electrical power, circuit protection and control components. Serviceable components are accessible. Power, circuit protection and control components are protected against the following: corrosion, excessive heat, excessive vibration, water spray and EMI and RFI.
10. Mounting plates for antenna are on the roof.
11. Deluxe single motor heavy-duty wiper system with dual pantographic arms.
12. Two (2) 12-volt power outlets and two (2) USB charging ports are provided in the dash console.

H. BATTERIES:

1. Four marine batteries are installed complete with battery switches.
2. There is a starting battery for each outboard motor, a starting battery for the pump motor and one dedicated house battery. A battery distribution panel, located on the console, includes a



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battery switch for each battery, crossover switches to allow jumping in case of a dead battery.
All battery switches are located on lower panel of console.

3. An automatic charging relay is installed to allow for the house bank to be charged via the engine alternators.
4. All of the batteries are installed in plastic battery trays below a deck hatch outboard of the cabin.

I. 120V AC ELECTRICAL:

1. A 30-amp shore power system is installed to supply battery charger.
2. A three-bank battery charger is installed for use with the shore power system above.

J. 12V DC ELECTRICAL:

1. A Blue Seas 6 position distribution panel is installed on the console.
2. Navigation lights are installed to meet USCG requirements with hinging anchor light mast.
3. Three 12V 2000 GPH bilge pumps are installed with automatic float switch.
4. Includes 2 Blue Seas 12v/USB charging ports.

K. PROPULSION:

1. Twin Four Stroke 300 HP outboard motors with stainless steel props are provided. Complete with a fuel management system, power trim and tilt and wiring harnesses.
2. Engine monitoring to be done through Multi-Function Display unit on dash.

L. FIRE PUMP:

1. The fire pump is powered by an 8 cyl Marinized GM gasoline engine.
2. Pump end is a 1500 GPM for direct connection to engine flywheel.
3. Fire pump is rated at 1500 GPM at 150 psi at the pump.
4. The pump control station has a Pressure/RPM controller.
5. There is a remote control 6" stainless shut off valve between the sea chest and pump with controls on the main console in the pilot house.
6. The dual wheel manually controlled deck-mounted monitor is 1500 GPM with stacked tips and stream straightener.
7. The pump is configured with through-hull suction into a sea chest with a minimum of 6" intake. The sea chest has a screened inlet, and a valve at the sea chest outlet.
8. Winterization kit to bypass sea water intake installed so that anti-freeze can be introduced for storage.
9. Fresh water flushing port installed just ahead of sea chest valve.



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M. PAINT AND GRAPHICS:

1. Deck area and interior/exterior of Pilot House are painted with Zolatone non-skid texture paint.

N. EMERGENCY LIGHTING, SIREN, AND WORK LIGHTS:

1. 24" emergency light bar, fully loaded with red LEDs.
2. Two Lumitec Scene Lights mounted on Pilot House.
3. Strip lights in gunnels for walkway illumination.

O. TRAILER:

1. A custom aluminum triple axle bunk trailer complete with electric brakes, spare tire, and tongue jack on trailer.
2. Galvanized steel wheels and electric disc brakes.
3. An adjustable bow stop and winch stand is provided with a manual 2-speed winch and strap.
4. Trailer LED lights are submersible.

Q. ELECTRONICS:

1. One (1) Garmin 12" TOUCH SCREEN with GPS, SONAR with SideVu and DownVu, CHART PLOTTING.