

RAPID RESPONSE PATROL BOAT

RUGGED AND DURABLE WELDED ALUMINUM CONSTRUCTION



The **ABCO 29 DJ** is designed for safety and performance in harbour patrol, search and rescue, and emergency missions.



PARTICULARS:

- **Length:** 29' 4" (hull)
32' 2" (including platform)
- **Beam:** 10' 5"
- **Draft:** 18"
- **Deadrise:** 20 degree transom
- **Propulsion:** Volvo D6 370 hp
Ultradynamics 305 waterjet
- **Fuel:** 100 IG (454 L)

Designed for Performance and Safety:

- Maximum safety and comfort
- Excellent performance and maneuverability
- High overall value
- Long service life

MANUFACTURING STANDARDS

Certified by the Canadian Welding Bureau to Aluminum Welding Standards CSA W.47.2

ABCO maintains a strict quality assurance system

ABCO acquires project related code certifications as required

Our reputation for quality and excellent craftsmanship is well established. Over the decades we've had the distinct honour of designing and manufacturing boats for the Canadian Coast Guard, the Royal Canadian Navy and The Department of Fisheries and Oceans. The team has a detailed working knowledge of all marine standards, including Transport Canada (TC), American Bureau of Shipping (ABS), and American Boat and Yacht Council (ABYC).

We take great pride in developing close working relationships with our customers during design, construction and acceptance trials.

Advantages of ABCO Aluminum Boats

- High impact resistance, durable; well suited for commercial use
- Rugged welded marine grade aluminum construction
- Does not rot, delaminate, chip, soak water
- Does not support combustion
- Paint required only for cosmetics or anti-fouling when necessary
- High strength to weight ratio and particularly suitable for higher speed applications
- Minimal upkeep and maintenance costs
- Relative ease of customization

HULL STRUCTURE:

- Hard chine hull with chine flats
- Lifting strakes/spray deflectors
- Three main watertight hull compartments
- Closed wheelhouse and cuddy
- Heavy duty internal structure with longitudinal stringers and bulkheads
- Self bailing deck through freeing ports
- Raised pattern main deck, washboards, foredeck
- 7 welded cleats
- Forward anchor rode locker
- Double horizontal safety bow rail extending aft approximately 12 feet from bow
- Transom platform / jet guard
- Tough 6" proprietary "epsilon" non-marking fender system
- Sound insulation in engine compartment held in place by perforated galvanized steel

WHEELHOUSE, CUDDY:

- Wheelhouse approximately 6' 6" long from back to console
- Hinged watertight lexan full view door, lockable
- Minimum headroom wheelhouse 6' 5"
- Raised cuddy approximately 8' long
- Mounting frame for radar, lights, antennas and horn
- Safety handrail full length on top, both sides and after sides of house
- Head, sink and seats with marine cushions in cuddy

PROPULSION:

- Volvo D6 370 hp electronic diesel with ZF reverse gear
- Ultra Dynamic 305 waterjet
- CV driveshaft
- Wet exhaust with muffler

FUEL SYSTEM:

- Separate fuel tank – 100 Imperial Gallons (454 litres)
- Tank and fuel system pressure tested and certified
- Racor filtration system
- Emergency fuel shutoff located on tank discharge
- Electric fuel gauge mounted on console
- Fuel fill catch all

LIGHTS:

- Navigation lights
- Interior lights (red/white)
- Halogen aft deck light
- Blue police light

PUMPS AND PLUMBING:

- One 4000GPM and two 1250 GPM Rule bilge pumps with automatic activators and dedicated dash mounted panel with audible alarm
- One hand bilge pump
- Manual head in cuddy with 13 USG holding tank
- Sink with manual pump and 13 USG fresh water tank

FINISH:

- Interior - insulated with laminate cover
- Bottom - antifouling with coloured bootop
- Topsides - bare aluminum or optional painting

HEATING & DEFROSTING:

- Hot water bus heater with fan

BATTERY AND ELECTRICS:

- Two AGM batteries with battery boxes
- Battery selector switches
- 10 circuit 12VDC breaker panel
- Battery charger and shore power
- 4 – 120 VAC outlets

NAVIGATION, COMMUNICATION:

- RayMarine DSC VHF with 8 foot antennae
- Integrated Raymarine Multi function C80 radar/gps/sounder/plotter with 8" display and 18" radome with electronic charts for Nova Scotia
- Ritchie navigator compass
- Single trumpet electric horn

WINDOWS, DOORS, HATCHES:

- Two forward facing windows and two side sliding windows of safety glass set in aluminum frames
- Open companionway to cuddy
- Two windshield wipers with washer system for forward facing windows
- 19" Bomar hatch on cuddy top
- Hinged lexan full view door, lockable
- Engine 'day' hatch with 2" marine seating cushion
- Large engine maintenance hatch

WHEELHOUSE SEATS:

- Two adjustable commercial chairs with removable heavy duty white vinyl for helmsman and navigator
- Stowage compartments under seats

STEERING:

- Hydraulic steering with stainless steel wheel
- Helm pump sized for waterjet application

TRIM TABS:

- Dual trim blades with console indicator

GROUND TACKLE, DOCK LINES:

- 16 # Danforth style galvanized anchor with 10 feet 5/16" galvanized chain and 150 feet 5/8" twist nylon rode
- Four 30 foot 5/8" twist nylon dock lines

MISCELLANEOUS:

- Zinc anodes
- Life jackets, flares, and life ring
- Safety plaques and signage
- Owners manual
- Customization and optional equipment available

FIRE FIGHTING:

- 2 – 5 # ABC fire extinguisher, wheelhouse
- 1 – 5# ABC fire extinguisher, engine compartment
- 1 – 10 lb. CO² fire extinguisher for engine room
- Smoke alarm and heat rise alarm for engine compartment