

DBATS 5.2 – DROP STITCH BOAT, ADVANCED TACTICAL SYSTEM

WING
I N F L A T A B L E S

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The Wing DBATS 5.2 is the most capable inflatable craft on the market. The hull uses drop stitch material to create a v-hull shape that performs like a RHIB. This hull shape improves the performance in rough sea states allowing a full load of 2400 lbs to plane easily. Additionally, the hull shape has proven to reduce g-force applied to the craft by up to 50% in heavy sea states, drastically reducing user fatigue.

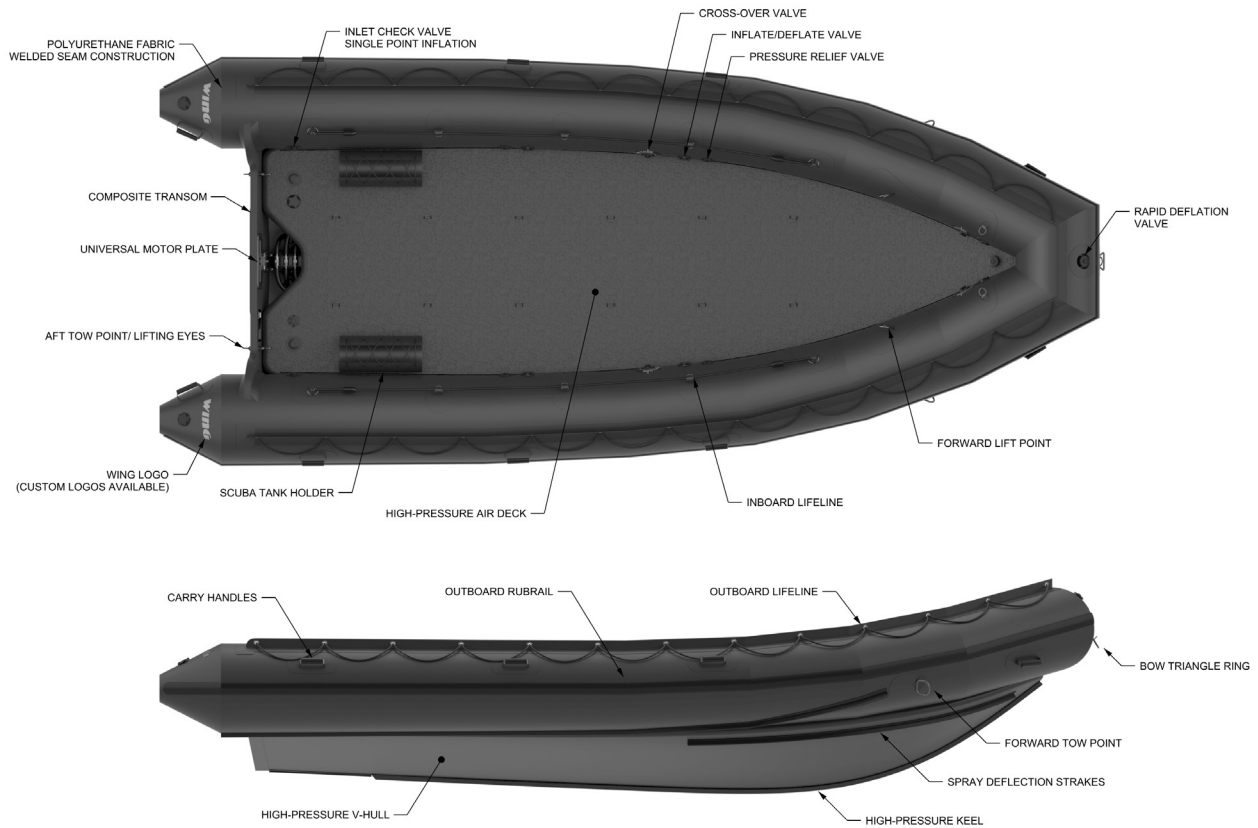
Craft Features

- We design and manufacture the Wing P Series craft to meet end-user operational requirements. Understanding their need lets us build craft specific to the mission.
- All Wing products are manufactured in the US using US-sourced materials at our ISO-9001-certified factory in Arcata, CA. No other inflatable craft meets these standards.
- Wing uses proprietary polyurethane-coated polyester material, which has three times the puncture and abrasion resistance of Hypalon—the current material used for inflatable craft manufacturing. Special Operations Maritime Forces put forward a technical memorandum for Ship Systems and Programs Directorate (Document CDNSWC-TM-20-93-78), which compares Hypalon (CSM) and polyurethane-coated fabrics (PU).
- Total Lifecycle Cost: With superior welded—not glued—fabric, the craft's lifespan may exceed ten years when properly maintained. All components are composite, marine grade aluminum or 316 passivated stainless steel. Wing also offers an unheard-of five-year warranty with each craft. With top-of-the-line materials and manufacturing processes, a five-year warranty and a long-term lifespan, the Wing P Series craft will outlast all others on the market.
- Aliphatic TPU and UV Enhancement: Not only are all Wing P Series craft built with aliphatic polyurethane fabric, which is lighter, more stable and offers enhanced UV protection, but they also have a UV-enhanced Flex Tough coating. This coating comes in several colors, allowing the end-user to pick a specific color for their mission set.
- Hull Shape: Sharper bow shape, truncated tail cones, and increased dead rise and buoyancy tube pressure all improve the performance of the P Series craft over other inflatable hull types. Operational missions, including swift water rescue, over-the-horizon transits, surf passages, shallow water operations and closed quarter maneuvers, benefit from the P series craft hull design.
- Tracking Strakes vs. Speed Tubes: Current P Series craft have tracking strakes—triangular profiles on the underside of the port and starboard main buoyancy tubes—instead of speed tubes, an older technology that allows a lower-pressure conventional craft to have a marginal amount of additional buoyancy. The improved Wing P Series hull design increases the craft's performance without unnecessarily adding lower buoyancy tubes.



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WING
INFLATABLES



DESCRIPTION	DBATS 5.2
Overall Length	17' (5.2m)
Overall Beam	7'4" (2.23m)
Internal Length	12' (3.65m)
Internal Beam	4' (1.22m)
Tube Diameter	Stern - 19 3/4", 18 1/2" bow
Number of Chambers	5 MBT, 4 Hull & Keel Panels
Usable Deck Space	42 ft2 (3.9 sq m)
Craft Weight - Empty	350lbs (158.7kg)
Craft Weight with Drop Stitch Air Deck	350lbs (158.7kg)
Craft Weight with Aluminum Slats	NA
Craft Weight with Composite Slats	NA
Craft Weight with Full Hard Deck	NA
Folded Dimensions	88"x 36" x 24" (2.2m * .91m * .61m)
Transom Height	20" (.5m)
Max Payload	3968lbs (1800kg)
Person Capacity	10
Max HP Rating	115 HP
Max Engine Weight	420lbs (190kg)
Draft w/ Load	16" (.41m)

IMCE - CE Certified

Additional Information



Technical Resources



Contact

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