

DF470s UWC (Under Water Cache)

FEATURES

- Fast to deployment with full inflation by Mako's exclusive High Pressure Inflation System
- Underwater cache capability to keep vessel submerged for marine missions by Mako's special UWC craft
- Fast deflation of the boat to ensure the vessel is able to maintain the under water cache state.
- Excellent performance for infiltration and assault missions
- Versatile craft with interchangeable floor systems with
 - Aluminum Slat Roll-up Floor
 - Aluminum Rigid Floorboards
 - High Pressure Air Deck
- Wide range of accessories and options



All property in this data belongs to Mako Marine Africa PTY LTD. (Dimensions and weight +/- 5% on prototype)



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IMAGES



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CAPACITY

-Max. passengers	10	ISO6185
-Max. payload (kg)	1250	ISO6185
-Usable deck area (m ²)	3.05	
-Buoyancy volume (m ³)	2.20	

DIMENSIONS

-Overall length (mm)	4700	ISO6185
-Overall beam (mm)	1900	ISO6185
-Inside length (mm)	3400	
-Inside beam (mm)	900	
-Transom height (mm)	480	
-Tube diameter (mm)	500	Main
-Outside height (mm)	910	
-Weight of skin (kg)	93	
-Weight of floor (kg)	32	
-Weight of dry boat (kg)	125	
-Bagged dimension (mm)	L1800 x W1000 x H900	

FABRIC

-Main buoyancy tubes	Black, 1670 decitex, Polyester, CSM / Neoprene
-Speed tubes	Black, 1100 decitex, Polyester, CSM / Neoprene
-Inflatable keel	Black, 1100 decitex, Polyester, CSM / Neoprene
-Air deck	Black, 1100 decitex, Polyester, PVC with CSM/Neoprene fabric covered aluminum slats

ENGINE POWER

-Shaft length (inch)	20	Long
-Recommended horsepower	50	
-Max. horsepower	75	
-Max. engine weight (kg)	130	

INFLATION

-Airtight chambers	6	0.25 bar (3.6 psi)
-Inflatable keel	1	0.25 bar (5.8 psi)
-Speed tubes	2	0.25 bar (5.8 psi)
-Air deck	1	1.1 bar (16 psi) (+/- 10%)
-TOTAL	10	
-Design category	C	ISO6185

VALVES

Main buoyancy tubes	6
Speed tubes	2
Inflatable keel	1
Air deck	2

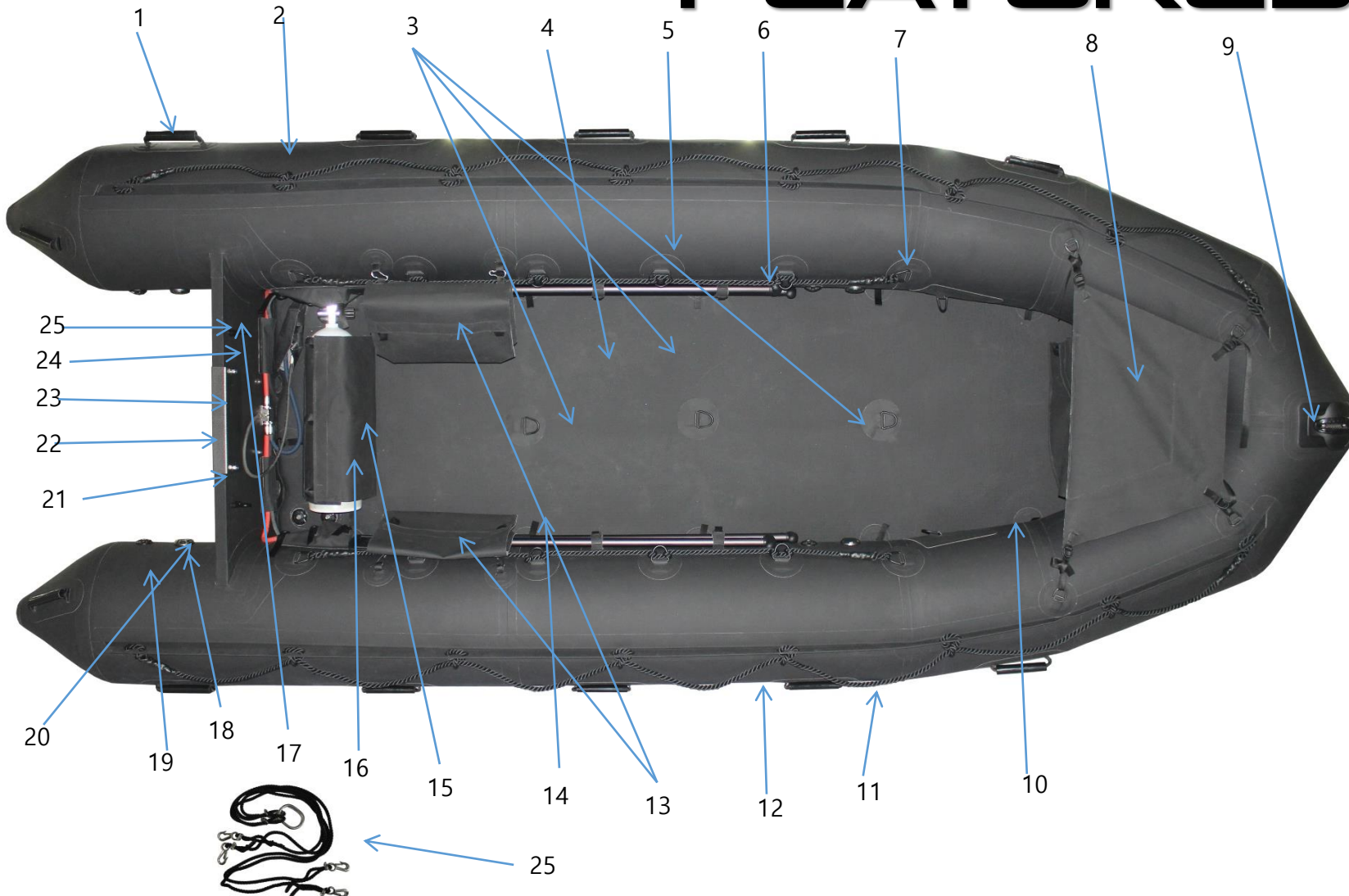
RELIEF VALVES

Main buoyancy tubes	6
Air deck	2



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FEATURES



1. External Polyurethane lifting handle w/ webbing fabric (12)
2. Exterior life-line (PE fiber T12mm)
3. Fuel tank tie-down (2)
4. High pressure air deck T70mm with CSM/Neoprene fabric wrapped + Aluminum slat (3)
5. Interior life-line (PE fiber)
6. Oar holders and ties
7. Davit lifting Large D-ring (2)
8. Bow cover and storage pocket (1)
9. Bow Cleat (1)
10. Underside Rubbing strake
11. Rubbing strake (120mm)
12. Anti-hog rail and safety line
13. Lateral storage pocket (3)
14. Oars (2)
15. Compressed air cylinder holder (1)
16. HPIS manifold
17. Identification plate (capacity plate)
18. Inflation valve protection cover (Aluminum) (6+2)
19. Pressure relief valve (6+2)
20. Inflation valve (6+2+1)
21. Auto bailers (elephant trunk) (CSM w flange) (2)
22. Motor pad (Anodized Aluminum w/ hammer coating) (1)
23. Towing / lifting O-Bolts on transom (2)
24. Towing / lifting U-Bolts on transom (2)
25. Davit lifting slings (4 points)



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PARTS & ACCESSORIES - 1

Bow lifting D-ring



Bow cleat



Bow storage pocket



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PARTS & ACCESSORIES - 2

Lateral carrying handle



Lateral storage pocket



Exterior life-line



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PARTS & ACCESSORIES - 3

Interior life-line



Motor pad



Davit lifting U-bolt



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PARTS & ACCESSORIES - 4

Towing eye



Fuel tank tie down



Cylinder protection cover



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PARTS & ACCESSORIES - 5

Automatic bailers



Floorboard carry bag



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PARTS & ACCESSORIES - 6

Foot pump



Repair kit



Boat carry bag



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PARTS & ACCESSORIES - 7

Oar – Aluminium shaft



Aluminum rigid floorboards set



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PARTS & ACCESSORIES - 8

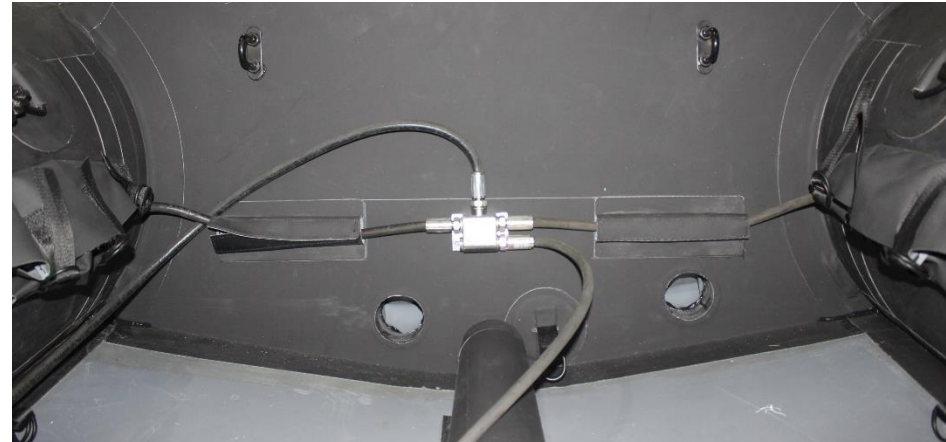
Fast Deflation system



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PARTS & ACCESSORIES - 9

HPIS (high pressure inflation system & inflation manifold)



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COMPARISON CHART-1

Section	Parts	Mako	Zodiac's craft
Fabric	Main buoyancy tubes	6EA: 1670 dtx	5EA: 1670 dtx
	Speed tubes	2EA: 1100 dtx	2EA: 940 dtx
	Bottom	1100 dtx	940 dtx
	Keel	1100 dtx	940 dtx
Inflation pressure	Main buoyancy tubes	0.25 bar	0.24 bar
	Speed tubes	0.25 bar with more rigidity during operation.	0.24 bar
	Keel	0.25 bar with more rigidity during operation	0.24 bar
	HPP Floor	1.10 bar	1.10 bar
Inflation valves	Main buoyancy tubes	6	4
Over pressure relief valves	Main buoyancy tubes	6	2
	HPP Floor	2 makes the boat safer	1
Dry weight	Boat skin + HPP Floor	125kg	138kg
Full inflation time required		2 minutes required for full inflation	N/A
Full deflation time required		6 minutes required for deflation	N/A