



ISO9001
ISO6185

INFLATABLE BOATS

OWNER' S MANUAL



PLEASE READ THIS MANUAL CAREFULLY BEFORE FIXING AND
OPERATING YOUR INFLATABLE BOAT, RETAIN IT FOR FUTURE REF-
ERENCE.

OVER VIEW

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I . BASIC INFORMATION

a. Model and technical data

| MODEL | OVERALL LENGTH | OVERALL WIDTH | NO.OF CHAMBER | NET WEIGHT | MAX POWER | MAX LOAD | MAX PERSON |
|--------------|----------------|---------------|---------------|----------------|-------------|------------------|------------|
| HSD-230 | 230cm/7'6" | 131cm/ 4'4" | 3+1 | 38kgs/84lbs | 3KW/4HP | 350kgs/ 772lbs | 2 |
| HSD-270 | 270cm/ 8'10" | 152cm/ 4'11" | .3+1 | 48kgs/106lbs | 7.5KW/10HP | 484kgs/ 1067lbs | 3.5 |
| HSD-290 | 290cm/ 9'6" | 152cm/ 4'11" | 3+1 | 52kgs/115lbs | 7.5KW/10HP | 510kgs/ 1124lbs | 4 |
| HSD-320 | 320cm/ 10'6" | 152cm/ 4'11" | 3+1 | 55kgs/121lbs | 11.2KW/15HP | 566kgs/1248lbs | 4.5 |
| HSD-360 | 360cm/ 11'9" | 168cm/ 5'6" | 3+1 | 76kgs/ 168kgs | 14.9KW/20HP | 689kgs/ 1519lbs | 5.5 |
| HSD-380 | 380cm/12'6" | 170cm/ 5'7" | 3+1 | 78kgs/172lbs | 14.9KW/20HP | 727kgs/1603lbs | 6 |
| HSD-420 | 420cm/ 13'9" | 190cm/ 6'3" | 3+1 | 88kgs/ 194lbs | 22KW/30HP | 1087kgs/ 2396lbs | 7 |
| HSD-460 | 460cm/ 15'1" | 190cm/ 6'3" | 3+1 | 96kgs/211lbs | 22KW/30HP | 1100kgs/2425lbs | 8 |
| HSM-230 | 230cm/7'6" | 131cm/ 4'4" | 3+1 | 36kgs/79lbs | 3KW/4HP | 350kgs/772lbs | 2 |
| HSM-270 | 270cm/ 8'10" | 150cm/4'11" | 3+1 | 46kgs/101lbs | 7.5KW/10HP | 484kgs/ 1067lbs | 3.5 |
| HSM-290 | 290cm/ 9'6" | 151cm/4'11" | 3+1 | 52kgs/115lbs | 7.5KW/10HP | 510kgs/ 1124lbs | 4 |
| HSM-320 | 320cm/ 10'6" | 151cm/4'11" | 3+1 | 56kgs/123lbs | 11.2KW/15HP | 566kgs/1248lbs | 4.5 |
| HSM-360 | 360cm/ 11'9" | 168cm/5'6" | 3+1 | 68kgs/150lbs | 14.9KW/20HP | 689kgs/ 1519lbs | 5.5 |
| HSM-380 | 380cm/12'6" | 168cm/5'6" | 3+1 | 76kgs/168lbs | 14.9KW/20HP | 727kgs/1603lbs | 6 |
| HSM-420 | 420cm/ 13'9" | 190cm/6'3" | 3+1 | 88kgs/194lbs | 22KW/30HP | 1087kgs/ 2396lbs | 7 |
| HSA-500 | 500cm/16'5" | 208cm/6'10" | 4+1 | 118kgs/260lbs | 32KW/40HP | 1300kgs/2866lbs | 10 |
| HSA-550 | 550cm/18'1" | 208cm/6'10" | 6+1 | 130kgs/286lbs | 32KW/40HP | 1350kgs/2976lbs | 10 |
| HSA-600 | 600cm/ 19'8" | 208cm/6'10" | 6+1 | 145kgs/320lbs | 38KW/50HP | 1400kgs/3086lbs | 12 |
| HSR-240(RIB) | 240cm/7'10" | 135cm/4'5" | 3 | 36kgs/79lbs | 4KW/5HP | 450kgs/992lbs | 2 |
| HSR-290(RIB) | 290cm/9'6" | 154cm/5'1" | 3 | 55kgs/121lbs | 7.5KW/10HP | 550kgs/1212lbs | 3 |
| HSR-310(RIB) | 310cm/10'2" | 154cm/5'1" | 3 | 67kgs/148lbs | 11.2KW/15HP | 600kgs/1323lbs | 3.5 |
| HSS-200D | 200cm/6'6" | 131cm/4'4" | 3 | 23kgs/50lbs | 2.5KW/3.5HP | 250kgs/551lbs | 2 |
| HSS- 230D | 230cm/7'6" | 131cm/4'4" | 3 | 31kgs/68lbs | 3KW/4HP | 350kgs/772lbs | 2 |
| HSS-250D | 250cm/8'2" | 152cm/4'11" | 3 | 42kgs/93lbs | 4.4KW/6HP | 450kgs/992lbs | 3 |
| HSS-280D | 280cm/9'2" | 152cm/4'11" | 3 | 51kgs/112lbs | 7.5KW/10HP | 500kgs/1102lbs | 4 |
| HSS-200M | 200cm/6'6" | 117cm/3'10" | 2 | 23kgs/50lbs | 2.5KW/3.5HP | 250kgs/551lbs | 2 |
| HSS- 230M | 230cm/7'6" | 125cm/4'1" | 3 | 30kgs/66lbs | 3KW/4HP | 350kgs/772lbs | 2 |
| HSS-250M | 250cm/8'2" | 152cm/4'11" | 3 | 40kgs/88lbs | 4.4KW/6HP | 450kgs/992lbs | 3 |
| HSS-280M | 280cm/9'2" | 152cm/4'11" | 3 | 50kgs/110lbs | 7.5KW/10HP | 500kgs/1102lbs | 4 |
| HSO-200 | 200cm/6'7" | 120cm/3'11" | 2 | 20kgs/44lbs | 2.5KW/3.5HP | 250kgs/551lbs | 1.5 |
| HSO-235 | 235cm/7'8" | 132cm/4'4" | 2 | 29kgs/64lbs | 3.7KW/5HP | 350kgs/772lbs | 2 |
| HSO-265 | 265cm/8'8" | 132cm/4'4" | 2 | 32kgs/71lbs | 7.5KW/10HP | 484kgs/1067lbs | 3.5 |
| HSO280 | 280cm/9'2" | 148cm/4'10" | 2 | 38kgs/84lbs | 7.5KW/10HP | 510kgs/1124lbs | 4 |
| HFF-265 | 265cm/8'8" | 130cm/4'3" | 2 | 23kgs/51lbs | \ | 484kgs/1067lbs | 3.5 |
| HSB-3P | 340cm/11'2" | \ | 3 | 15kgs/33lbs | \ | \ | 3 |
| HSB-4P | 400cm/13'1" | \ | 3 | 18kgs/40lbs | \ | \ | 4 |
| HSB-5P | 500cm/16'5" | \ | 3 | 20kgs/44lbs | \ | \ | 5 |
| HSK-370 | 370cm/12'2" | 110cm/3'7" | 2 | 27kgs/60lbs | \ | 250kgs/551lbs | 2 |
| HSI-400 | 400cm/13'1" | 180cm/5'11" | 2 | 60kgs/132lbs | \ | 580kgs/1279lbs | 6 |
| HJU | 120cm/3'11" | 103cm/3'4" | 1 | 6.5kgs/14.3lbs | \ | \ | 1 |
| HJO | 118cm/3'10" | 96cm/3'2" | 2 | 8kgs/17.60lbs | \ | \ | 1 |

b. Equipment:

Standard equipment:

1. Two-two pieces aluminum oars
2. Marine grade plywood bench seat
3. Foot pump
4. Repairing Kit
5. Carrying bag

Optional equipment:

1. Optional floor:
 - ◆ plywood floor
 - ◆ aluminum floor
 - ◆ Air mat floor
 - ◆ VIB floor
 - ◆ Slat Floor
2. Inflatable thwart: round or square
3. Under seat storage bag.
4. Front storage bag
5. Boat cover
6. Extra seat
7. Canopy

c. Ambient temperature

Max: +70°C

Mix: -30°C

II .ASSEMBLY AND DISASSEMBLY

Assembly:

a. General procedure:

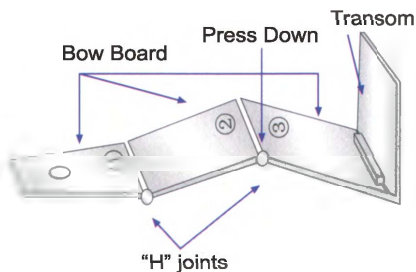
1. Remove any sharp objects from the area where boat will be assembled and inflated.
2. Unfold and spread boat out flat.
3. Half inflated the boat with pump first.
4. Assemble the floor as indicated on the floor.
5. Assemble bench.
6. Full inflated
7. Check the valves make sure no leakage.
8. Ensure that all basic equipment is on board.
9. Do not inflate keel until floor board assembled.

Attention: Do not use a compressed air source to inflate boat, over inflation may result in ruptured seams.

b. Floor assembly:

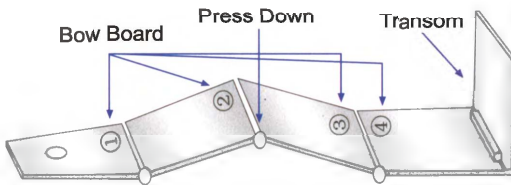
Floor assembly for HSD230 and HSM230.

1. Insert ① floor board in bow of boat.
2. Insert ③ floor board into transom of the boat.
3. Insert ② floor board into "H" joint attached to ① floor board.
4. Insert "H" joint between ② and ③. Press floor board until flat.



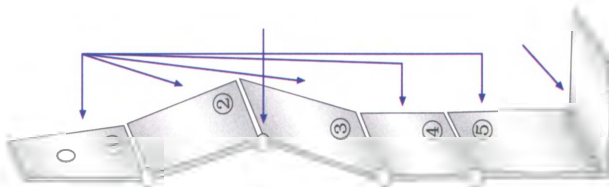
Floor assembly for HSD270/HSD290/HSD320/HSD360 and HSM270/HSM290/HSM320

1. Insert ① floor board in bow of boat.
2. Insert ④ floor board into transom of the boat.
3. Insert ② floor board into ① floor board.
4. Insert ③ floor board into ② and ④ floor boards and press down until flat.

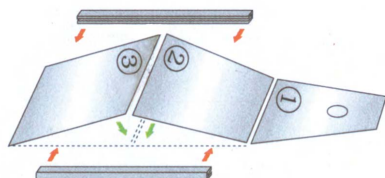


Floor assembly for HSD380/HSD420 and HSM360/HSM380/HSM420

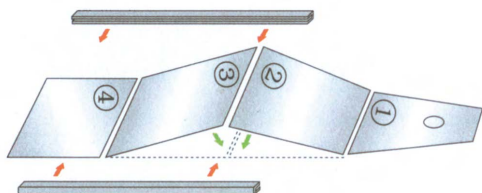
1. Insert ① and ② in the bow of the boat. ① and ② can be made as one set.
2. Insert ⑤ floor board into transom of the boat.
3. Insert ③ floor board into ② floor board.
4. Insert ④ floor board into ③ and ⑤ floor boards and press down until flat.



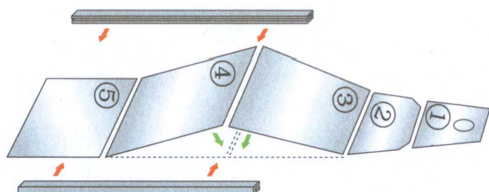
c. Side joiner assembly



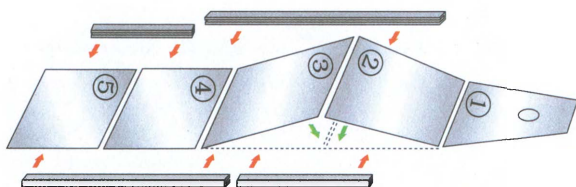
Side joiner assembly for
HSD230
HSM230



Side joiner assembly for
HSD270/HSD290/HSD320/HSD360
HSM270/HSM290/HSM320



Side joiner assembly for
HSM360/HSM3800



Side joiner assembly for
HSD380/HSD420
HSM420

NOTE 1: When installing floor boards, identifying numbers of boards must face up.

NOTE 2: Each "H" joint should be installed with larger flat side facing up.

Disassembly

1. Unscrew all air valves to deflate boat.
2. Remove seat.
3. Remove side joiners from floor boards.
4. Raise the middle floor and detach from "H" joints.
5. Remove floor boards. Remove bow and transom boards last.
6. With bottom side facing down, tuck gunwale tubes into boat. Roll boat from either end and place in carrying bag along with pump and other equipment.

III .SAFETY

1. Ensure that all basic equipment is on board the boat and with no problem. Be aware of the possible necessary of additional safety equipment.
2. A boat should not be operated by an individual while under the influence of drugs and alcohol.
3. Weight must be distributed evenly. If lightly loaded and your boat is equipped with a motor do not accelerate suddenly.
4. The carrying capacity and the engine capacity for the boat must not be exceeded.
5. Make yourself aware of the general rules of the waterway and local water conditions before setting out.
6. Always tell someone your time and place of departure. Proposed route and time you expect to return.

IV. REPAIR PROCEDURE

Small tear, cuts and puncture

1. The repair of a small leak or puncture can be done with a patch from the repairing kit.
2. Both patch and surface on boat must dry.
3. Apply a thin ,even coats of adhesive to surface of boat and patch. Wait five minutes before each coat. After three coat, wait 10-15 minutes before placing patch on boat.
4. Use hard roller to press patch onto boat skin.
5. Wait for at least 24 hours before reinflating the boat.

Large tear or cut.

6. For all large repairs it is recommended that the boat be returned to your dealer.

V .WARRANTY

1. This warranty for each new inflatable boat to be free from defects in material and workmanship.
2. This warranty shall remain in effect as described below:
 - Hull fabric is covered by 5-year warranty against porosity and rot
 - Hull seams are covered against delamination by a 3-year warranty.

Remarks: This warranty applies only to defects in material and workmanship. It does not apply to tear or damage caused by accident, abnormal operation or improper installation.

VI . MAIN BODY OF THE BOATS:



Local Dealer:

Company: _____

Add: _____

Tel: _____

Fax: _____

Web: _____

E-mail: _____

WATERCRAFT DESIGN CATEGORIES

| Design category | Wind force (Beaufort scale) | Significant wave height (H $\frac{1}{3}$, metres) |
|-----------------|--------------------------------|---|
| A | exceeding 8 | exceeding 4 |
| B | up to, and including, 8 | up to, and including, 4 |
| C | up to, and including, 6 | up to, and including, 2 |
| D | up to, and including, 4 | up to, and including, 0,3 |