



ISO9001
ISO6185

INFLATABLE BOATS

OWNER' S MANUAL



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

OVERVIEW

I. BASIC INFORMATION 02

- a. Model and technical data
- b. Equipment
- c. Ambient temperature

II. ASSEMBLY AND DISASSEMBLY 04

Assembly

- a. General procedure
- b. Floor assembly
- c. Side joiner assembly

Disassembly

III. SAFETY 07

IV. REPAIR PROCEDURE 08

- a. Small tear, cuts and puncture
- b. Large tear or cut

V. WARRANTY 08

VI. MAIN BODY OF THE BOATS 09

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/ 168lbs	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
HSH-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:

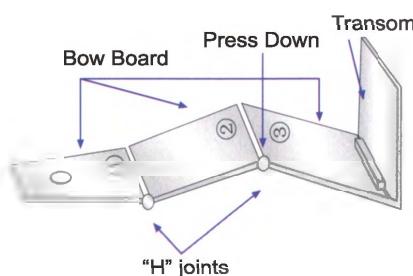
1. Remove any sharp objects from the area where boat will be assembled and inflated.
2. Unfold and spread boat out flat.
3. Half inflated the boat with pump first.
4. Assemble the floor as indicated on the floor.
5. Assemble bench.
6. Full inflated
7. Check the valves make sure no leakage.
8. Ensure 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:

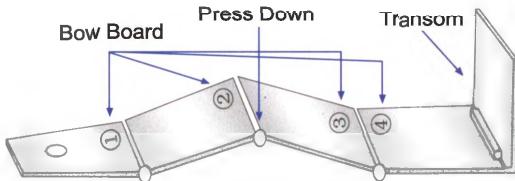
Floor assembly for HSD230 and HSM230.

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.



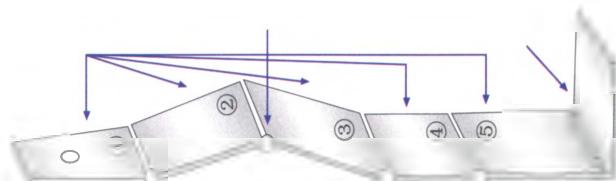
Floor assembly for HSD270/HSD290/HSD320/HSD360 and HSM270/HSM290/HSM320

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.

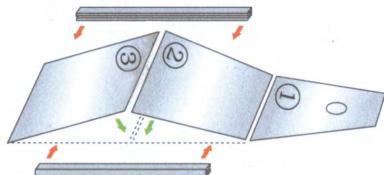


Floor assembly for HSD380/HSD420 and HSM360/HSM380/HSM420

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.



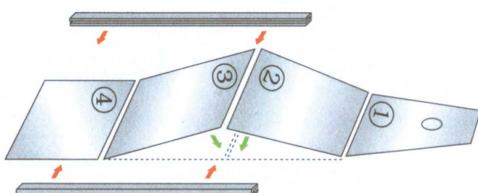
c. Side joiner assembly



Side joiner assembly for

HSD230

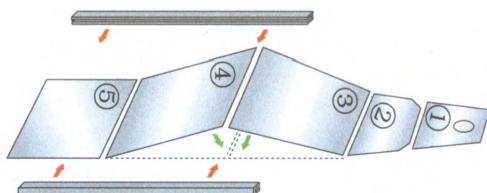
HSM230



Side joiner assembly for

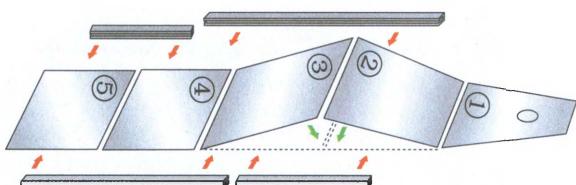
HSD270/HSD290/HSD320/HSD360

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: _____

10 INFLATABLE BOATS

WATERCRAFT DESIGN CATEGORIES

Design category	Wind force (Beaufort scale)	Significant wave height (H $\frac{1}{5}$, 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