



Documents, Boat Markings and Compliance Plates The Minnow Mw270

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1. Specifications





The Minnow Mw 270

2.SAMSA buoyancy Certificate

SAMSA BUOYANCY COMPLIANCE CERTIFICATE

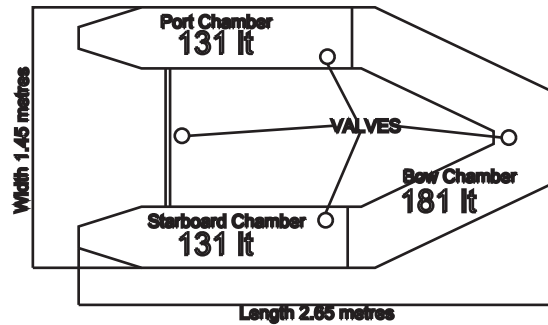


MODEL-	MINNOW MW 2.6
Capacity	2 Persons
Max Engine	5 hp
Length	2.6 metres
Width	1.45 metres
Tube Diameter	340mm
Total No of Air Chambers	3 + Airfloor (or closed cell foam floor)
Total Volume of Chambers	(181 + 131 +131 + 100) = 543 lt
Weight of Boat with engine	36 kg
Total weight of Crew	150 kg
Total Weight Boat and Crew	186 kg
Buoyancy of smallest chamber	131 lt
Required Buoyancy 60%	111 lt
Percentage Buoyancy	118 %

Description

A 2.6 metre Inflatable boat with 340 mm tube diameter
 Three air chambers in the main collar and inflatable
 or closed cell foam floor.

The main collar is divided into 3 airtight independent chambers the volume of which are 200 lt in the bow section , and 131 lt in each of the Port and Starboard sections .



Buoyancy Calculations

Calculations are based on assumption that only one of the smallest of the three main collar chambers are inflated ie 131 lt
 With a 5 hp motor of 20 kg we calculate the load as 20 + 75 +75 +16 = 186 kg.

The formula for required buoyancy is 60 % of this weight expressed as litres this 186 X 60% is which is 111 lt .

Thus the buoyancy ratio is 131 / 111 = 118 %

Manufacturers Statement

I have applied my mind to the details provided by the owner and inspected the vessel concerned and find no inconsistencies which would cause me to question that the vessel has not been fitted as declared .The declared buoyancy can reasonably be expected to comply with the regulations

Signed
 William Edwards

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 The Owner ARK INFLATABLES



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3. Boat Markings as per ISO 6185

= 407 kg = 2 = 3	
= 5 hp Max	DESIGN CATEGORY D
= 0.35 bar 3.5 psi	
MANUFACTURER	: ARK INFLATABLES
COUNTRY OF ORIGIN	: SOUTH AFRICA
SERIAL NUMBER	:
MODEL NUMBER	: Minnow Mw 270 300
HIN CODE :	
ZA-ARK.....	
DETERMINED BY ISO 6185-1 CAT D APPLIES.	

CAUTION

- GET PADDLESPTS INSTRUCTIONS SPECIFIC TO THIS TYPE OF CRAFT AND INTENDED USAGE
- OBTAIN CERTIFIED FIRST AID TRAINING AND CARRY FIRST AID AND RESCUE/SAFETY EQUIPMENT
- ALWAYS WEAR AN APPROVED PERSONAL FLOTATION DEVICE
- ALWAYS WEAR A HELMET WHERE APPROPRIATE
- DRESS APPROPRIATELY FOR WEATHER CONDITIONS. COLD WATER AND COLD WEATHER CAN RESULT IN HYPOTHERMIA
- CHECK YOUR EQUIPMENT PRIOR TO EACH USE FOR SIGNS OF WEAR OR FAILURE
- NEVER PADDLE ALONE
- DO NOT PADDLE IN FLOOD CONDITIONS
- BE AWARE OF APPROPRIATE RIVER WATER LEVEL, TIDAL CHANGES, DANGEROUS CURRENTS, WEATHER CHANGES, AND STRONG OFFSHORE WINDS
- SCOUT UNFAMILIAR WATER AND PORTAGE IF IN DOUBT.
- DO NOT EXCEED YOUR PADDLING ABILITY
- CONSULT A PHYSICIAN PRIOR TO PADDLESPT TRAINING
- DO NOT USE THIS PRODUCT UNDER THE INFLUENCE OF ALCOHOL OR MIND ALTERING DRUGS
- FOLLOW THE MANUFACTURERS RECOMMENDATIONS FOR THE USE OF THIS PRODUCT
- IF ADDITIONAL OUTFITTING IS REQUIRED SEEK ADVICE FROM THE MANUFACTURER

THE USER OF THIS PRODUCT ACKNOWLEDGES BOTH AN UNDERSTANDING AND AN ASSUMPTION OF THE RISKS INVOLVED IN PADDLESPTS

www.arkinflatables.com

Ark Inflatables reserves the right to modify any specification in the course of research and design.
 All specifications have a 3% tolerance
 Determined and compliant with ISO 6185 -1 CAT D