

TUSA[®]

SAV-7

TUSA Vehicle

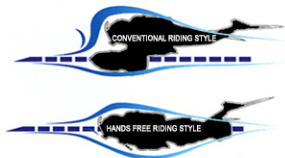
Diving innovation at its best



SAV-7

- Material : Shock resistant ABS resin body
- Motor : DC Brushless motor
- Decelerator : Reduction planet gear
- Outer dimensions : 720 x 340mm
- Weight : 20kg
- Submerged unit weight : 0g
- Speed control : Progressive acceleration system
Three speed variable pitch propeller
- Safety device : Thermal switch protection : automatically shuts off
if overheating occurs
- LED battery life indicator
- Depth rated to 70m
- With scooter saddle
- Switchable lead-acid battery and NI-MH battery
- Lead-acid battery and battery charger

Riding in the slipstream



Being dragged long distances creates excessive muscular fatigue in the arms. Furthermore, riding behind a scooter creates resistance and reduces the efficiency of the propeller blades.

Riding horizontally in front of the scooter streamlines the body and scooter, reducing drag and dramatically improving both speed and distance traveled on a single battery charge. In addition, both hands are free for carrying lights, cameras or other underwater equipment.



Progressive acceleration system

The SAV-7 scooter's newly design rotational speed adjustment function allows for precise changes to your speed while in motion.

This easily activated speed adjustment results in smooth effortless riding and allow for easy synchronization of speed between divers in a variety of geographical areas and varied current conditions.

When the main switch is turned on, the L.E.D. battery life indicator lights up providing the diver with a guide to remaining battery life. Please remember this is additional standby information only.

The maximum running speed recorded was 4km/h while wearing standard scuba equipment. However, this may be affected up or down due to water resistance caused by the individual diver's size and shape. This level of speed is around twice that of the average (being 2km/h) that most divers can easily attain using fins.

This drastically saves on air consumption and energy usage thus enabling the diver to cover extensive areas of terrain that would be impossible to achieve normally.



L.E.D. Battery life indicator



3 Speed adjustment-Propeller pitch assembly

Additionally, it's possible to easily vary the propeller's angle or pitch, which allows for even more fine-tuning of the scooter's speed to the individual diver's needs.



WING

By using the wings it's now possible to pull 2 more divers with the SAV-7 scooter.

The diver's different physiques when holding onto the wings have virtually no effect to the scooter's performance.

The speed and distance with 3 men diving are almost the same as using the scooter solo without a saddle.

	ACCELERATION	TOP SPEED	CONSUMPTION
PITCH 1	●●●●●	●●●●● 4km/h	●●●○○
PITCH 2	●●●○○	●●●●● 4km/h	●●●○○
PITCH 3	●●○○○	●●●○○ 3km/h	●●●●●

Performance by battery selection.



SAV-7LB (Lead-Acid battery)



- Outer dimensions : 125 x 175 x 167mm
- Normal capacity : 10Ah (DC24V)
- Weight : 9.8 Kg
- For use with SAV-7 scooter only
- Continuous duration of cruise : 60 minutes
- Average cruising range : 3600-4000m

SAV-7LC (Battery charger)



- Outer dimensions : 119 x 73 x 40.5mm
- Input voltage : AC 90-264V 47-63Hz
- Recharging time : 6-8 hours
- For use with SAV-7LB (Lead-Acid battery)

SAV-7NB (Ni-MH battery)



- Outer dimensions : 125 x 175 x 167mm
- Normal capacity : 22Ah (DC 24V)
- Weight : 9.8 Kg
- For use with SAV-7 scooter only
- Continuous duration of cruise : 60 minutes
- Average cruising range : 6000-7000m

SAV-7NC (Battery charger)



- Outer dimensions : 180 x 91 x 51mm
- Input voltage : AC 115-230V 50-60Hz
- Recharging time : 6-8 hours
- For use with SAV-7NB (Ni-MH battery)



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