



# Offshore Raiding Craft

## ORC-ACV



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The Aft Console Variant (ACV) has been developed to meet two main roles. In its standard configuration it is designed for moving troops to and from a beach in up to 2m of surf. In this configuration the craft can be fitted with either a single or twin GPMG on the forward pedestal. With the troop seating removed, optional ballistic armour panels can be fitted behind the bulwarks and in a frame behind the coxswain and navigator to give an intermediate level of protection with the troops sat or crouching on the main deck. In the second role the craft can be converted into a Fire Support Platform (FSP) by removing the troop seating and fitting an aluminium module which provides enhanced ballistic protection and an additional two weapon's mountings which can take either single GPMG or .50 Cal machine gun. As part of the system there is an additional framework which gives enhanced ballistic protection to the forward gun position. Swapping between Troop Carrying and Fire Support Platform (FSP) can be completed in under 60 minutes.



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<b>Length</b>	9100mm
<b>Beam</b>	2900mm
<b>Draft</b>	Light 0.56 m Loaded 0.66 m
<b>Displacement</b>	Light Load 4200 kg inc fuel & 2 crew Full load 5500 kg
<b>Speed</b>	Light load 39 knots Full load 34 knots
<b>Range</b>	In excess of 200nm
<b>Turning</b>	1 ½ boat lengths at max speed
<b>Acceleration</b>	0 - 30 Knts in 10 seconds
<b>Stopping</b>	1 ½ boat lengths from max speed
<b>Troop capacity</b>	8 troops with equipment (8 x 150 kg)
<b>Total Payload capacity</b>	Combination of troops, equipment and weapons up to 1300 kg
<b>Weapons</b>	Forward pedestal for single or twin GPMG.
<b>Hull</b>	Fabricated Aluminium (Grade 5083).
<b>Fendering</b>	Elastomer covered closed cell PU foam
<b>Engines</b>	Twin Steyr M0256K43 high speed diesel engines each developing 250Hp/184Kw at 4300rpm.
<b>Transmission</b>	ZF63 reduction gearbox (1.514:1)
<b>Propulsion</b>	Twin Rolls Royce (Kamewa) FF270 Waterjets
<b>Fuel</b>	Diesel fuel (Dieso) to DEF STAN 91-4/6, NATO F76 & AVTUR (JP-5)
<b>Main Tank</b>	635 Litres
<b>Reserve Tank</b>	85 Litres
<b>Transportability</b>	Air transportable in C130 J MK IV. Under-slung Chinook CH47 and Merlin Helicopters. Removable seating and fairings for ease of transportation and flexibility of function. Optional road trailer conforming to EU regulations.
<b>Armour</b>	Optional
<b>Communications</b>	Marine VHF.
<b>Navigation</b>	Chart plotter with DGPS
<b>Electrical</b>	12V DC, Insulated return
<b>Optional Equipment</b>	Infrared and visible convoy lights, Infrared flood light, Radar reflector, Intercom system, Shipping cradle, Boat cover, Launching trolley, Military Communications systems, Boat trailer, Fire Support Platform (FSP) complete with armour and weapon mountings



## Holyhead Marine Services Limited

Newry Beach, Holyhead, Anglesey, LL65 1YB, Wales, UK

Tel: +44(0)1407 760111 Fax: +44(0)1407 764531

e-mail: [marine.services@holyhead.co.uk](mailto:marine.services@holyhead.co.uk)

website: [www.holyhead.co.uk](http://www.holyhead.co.uk)

Registered in Wales 895484

