

Hamilton Jet Model HJ321
Application Review

Quadruple 321 Jets for High Speed Survey Boat



C W F Hamilton & Co Limited
Lunns Road Middleton Christchurch 4
New Zealand. P O Box 709
Telephone: +64 3 348 4179. Facsimile: +64 3 348 6969

“The Surveyor” is to be used for underwater exploration and recovery work. Quadruple Hamilton 321 jets produce thrust for a top speed of 44.5 knots so work sites can be accessed quickly. With one propulsion system shut down, speeds over 30 knots can be maintained. A Hamilton HSRC jet control system gives precise manoeuvrability at all speeds and shallow

draft capability allows shoal waters to be worked safely. The aluminium vessel is equipped with a wide array of electronic equipment including side scan sonar and a Remote Operated Vehicle (ROV) with dual video cameras.

The vessel has been described as “a 55,000lb jet-ski”, such is the G-Force effect on the fly-bridge during high speed manoeuvres.

▶ Brief Specifications

NAME:

The Surveyor

SERVICE:

Survey/Underwater Recovery

LENGTH:

15.85 metres [LOA]

BEAM:

5.03 metres

DRAUGHT:

0.84 metres

CONSTRUCTION:

Aluminium

WEIGHT:

25 tonnes [55,000lb]

SPEED:

44.5 knots

WATERJETS:

Quad Hamilton Jet Model 321

ENGINES:

Quad Caterpillar diesels
Model 3176, each
448bkW (600bhp) @ 2300rpm

DESIGNER/BUILDER:

Kvichak Marine,
Seattle WA, USA

OPERATOR:

Underwater Atmospheric
Systems Inc. (UAS),
Oyallup WA, USA

Hamilton Jet DISTRIBUTOR:

Hamilton Jet Inc,
Seattle WA, USA



Authorised
Distributors
Worldwide