

Hamilton Jet Model HJ273
Application Review

Cordova Bowpickers Opt for Diesel/Jet Propulsion



The salmon fishing fleet in Cordova AK has an extensive fleet of older bowpickers, with many powered by Hamilton 1031 waterjets and 460 c.i.d. Ford gasolene engines. New replacement craft entering service in this busy fishery are being fitted with Hamilton Jet 273 pumps and diesel engines.

The 273 jet superseded the older 1031 model a number of years ago and has features such as Hamiltons split duct astern deflector, separate conical steering deflector and high efficiency mixed flow impeller. Coupled to modern diesel engines, which provide high power to weight ratios, good fuel economy and durability, the new diesel/jet packages provide these craft with high speed capability, good load carrying capacity and outstanding manoeuvrability.



The featured craft is a 32' bowpicker built by All American Marine. Twin 273 jets, directly driven by 315hp Cummins 6BTA diesel engines, provide thrust for a lightship speed of 42 mph. As the jet impellers are rated to constantly absorb the full power output of the engines regardless of boat speed, the engines cannot be overloaded when travelling under load at slower speeds.

Key Hamilton Jet Features

Inboard Hydraulics

All hydraulic lines are located inboard where they are not exposed to outside damage.

Maximum Acceleration

The jet design provides high cavitation resistance, allowing full power to be applied at low boat speeds for good acceleration.

Shallow Draft Capability

No underwater appendages, craft can safely operate in shallow and debris strewn water.

▶ Brief Specifications

SERVICE:

Bowpicker Fishing Boat

LENGTH:

9.75 metres (32'-0") [LOA]

BEAM:

3.66 metres (12'-0")

CONSTRUCTION:

Aluminium

WEIGHT:

7.72 tonnes (17,000lbs)

SPEED:

37 knots [lightship]

WATERJETS:

Twin Hamilton Jet Model 273

ENGINES:

Twin Cummins Diesels, Model 6BTA, each 235kW (315hp) @ 2800rpm

DESIGNER/BUILDER:

All American Marine, Ferndale WA, USA

Hamilton Jet DISTRIBUTOR:

Hamilton Hough Marine, Seattle WA, USA