

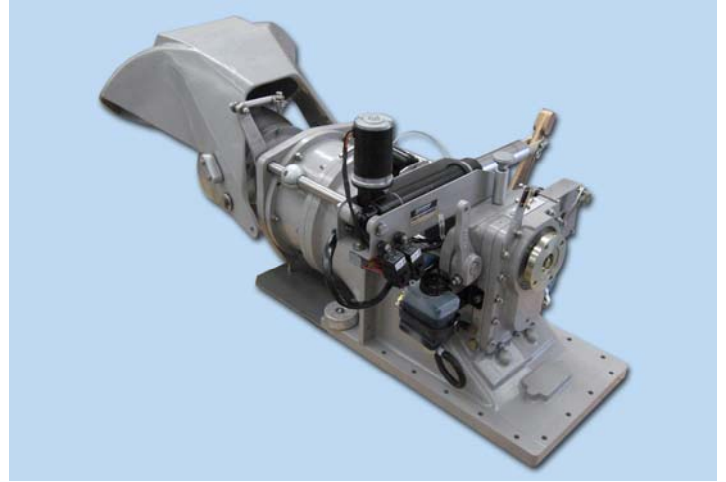
Product Bulletin

SPECIFICATIONS

**Horsepower: Up to: 300hp cont.
400hp sprint**

**Vessel Size: Single: 20 - 26' (6-8m)
Twin: 26 - 32' (8-10m)**

**Vessel AUW: Single: 3.5t (7700lbs)
Twin: 8.0t (17600lbs)**



- The DJ100G transom mount 10inch (254mm) waterjet with integral gearbox meets Doen's key design criteria of high performance, reliability and simplicity of construction and maintenance
- This compact and efficient axial flow waterjet delivers superior acceleration and variable load performance at speeds up to 45+ knots
- Integral single-step reduction gearbox allows simple and precise matching to compact high-revving diesels and high horsepower gas V8's
- The use of modular construction, comprising Stainless Steel and heavy-duty powdercoated Aluminum components protected with an anode anti-corrosion system, has allowed the DJ100G to be lightweight, compact and simple to maintain
- Reverse actuation is by a lightweight, high force, inboard mounted electric actuator mounted inboard. This gives proportional, position sensing, control via a 3" (75mm) stroke Morse 33C cable with a simple pre-set 12V electrical connection
- The transom mounting allows for minimal intrusion into valuable onboard space, just 11.8" (300mm) from the transom to the coupling face

For the ultimate in docking control and low speed maneuvering the DJ100G can be fitted with Doen's eDOCK joystick control. This system can also be interfaced with electronic vessel controls such as autopilots and dynamic positioning systems



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DJ100G Waterjet

Performance Reliability Simplicity

WATERJET DETAILS

Maximum Rec. Power Continuous:	300shp (225skW)
Maximum Rec. Power Sprint:	400shp (300skW) ^(A)
Maximum Rec. Input Coupling speed:	4400rpm
Standard Coupling Rotation	Anti-clockwise (Looking forward from stern)
Dry Weight:	275lb (125kg) including reverse controls
Entrained Water:	85lb (39kg) weight of water in pump and inlet duct
Corrosion Protection:	Cathodic with Anodes
Design Standard:	To international authority standards

CONSTRUCTION DETAILS

Impeller:

Diameter:	10inch (254mm)
Impeller Material:	Cast CF8M Stainless Steel

Pump Assembly:

Impeller Casing Material:	Cast ASTM A356 Alum. Alloy with stainless steel liner
Discharge Nozzle Material:	Cast ASTM A356 Alum. Alloy

Steering System:

Description	Balanced nozzle
Operation	Inboard tiller actuation
Steering Bowl/Nozzle Material:	Cast ASTM A356 Aluminum Alloy
Nozzle Diameter Range:	5.5inch – 6.1inch (140mm - 155mm)

Reverse System:

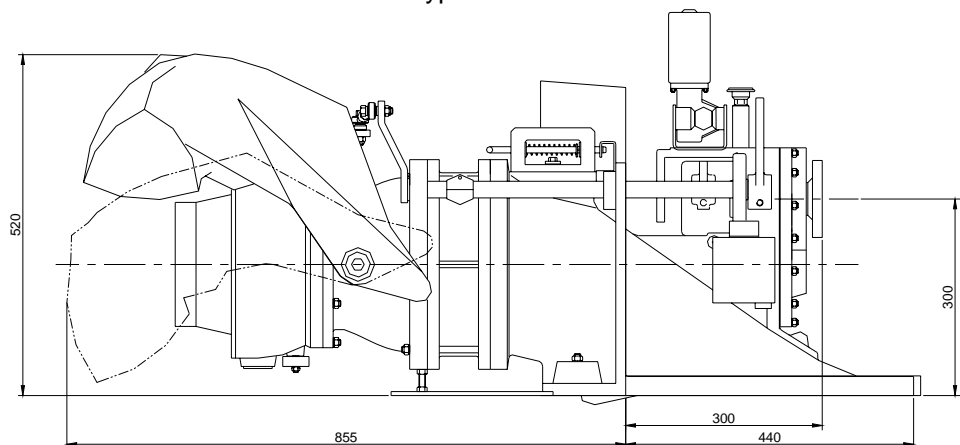
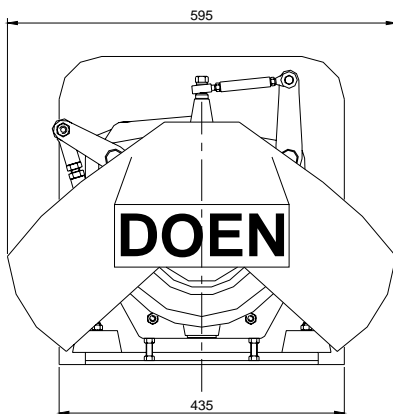
Description	Split Duct Type – High Thrust
Operation	Inboard 12 Volt Electric Actuator
Reverse duct material	Cast ASTM A356 Aluminum Alloy

Shaft Assembly:

Main Shaft Material:	Stainless Steel Grade SAF 2205
Rear Bearing:	Water Lubricated Cutlass Bearing
Main Bearing:	Taper Roller
Lubrication	Oil Lubricated
Shaft Seal:	Face type Mechanical Seal
Coupling Flange:	Spicer 1410 Series
Shaft Angle	0 degrees

Intake Body:

Material:	Cast ASTM A356 Aluminum Alloy
Inspection Opening:	Standard - Outboard quick release type Optional – Inboard
Intake Grate:	Removable Bar type



Note (A): Requires application approval by DOEN Pacific

Due to our policy of continuous Research & Development, we reserve the right to change the specifications without notice