

DOEN
WATER JETS

SEA-TEK

Sea-Tek signs exclusive head distributor agreement with Doen Pacific

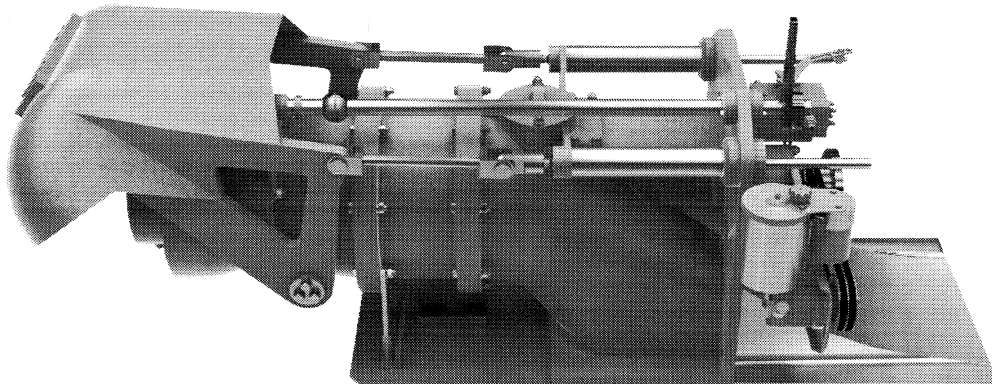
Sea-Tek is proud to announce the signing of an exclusive Distributor Agreement for Europe with Doen Pacific. Sea-Tek will appoint agents in several European countries in the near future, selling and servicing waterjets under its umbrella.

Sea-Tek is currently supplying mechanical, electronic, and hydraulic systems for controlling propulsion systems to the marine industry in Europe. This specialized market niche enables Sea-Tek to offer turnkey propulsion packages, tailored to customer needs by supplying engine/waterjet packages fully engineered for installation into the vessel. A "one stop shop" package supply for any waterjet application in Europe.

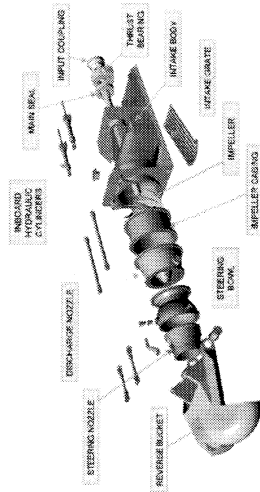
Doen Pacific, a leading designer and manufacturer of waterjet propulsion Systems for the past 48 years, is one of only five marine waterjet manufacturers in the world building waterjets to match engines from 100 to 4,000kW, with some 4,000 applications on the water in more than 30 Countries.

Waterjet propulsion offers many advantages over conventional propeller propulsion, such as 'plug & play' installation, lower engine load factors, excellent safety, as well as the ability to operate in shallow waters without risk of damage. Waterjets are well suited to high speed applications and displacing vessels, with excellent maneuverability including an emergency stop system, together with station keeping and Dynamic Positioning features.

As customer satisfaction and service are important to Sea-Tek, a stock of waterjets and spare parts will be housed in Oslo, for availability and immediate delivery throughout Europe. In this way, Sea-Tek will be able to offer complete turnkey maritime solutions simplifying installation, supply, support, service, and reducing delivery times.



200/300 SERIES



The **DOEN 200/300 Series** range of models can be matched to engines from 400kW to 4000kW. These high performance units are specially designed and built for continuous commercial use and to meet the exacting standards of marine classification societies. They can be installed as single or as multiple jets in fibreglass, aluminium or steel hulls. They can also be supplied as booster jets.

The prefabricated duct is manufactured from Aluminium or Steel plate material resulting in an extremely strong and lightweight structure. The duct is supplied ready to weld or bolt in vessels. Custom designs are possible to optimise vessel performance and to improve installation and machinery interfacing.

The **200/300 Series** waterjet is manufactured using only corrosion resistant materials. **The impeller, impeller casing and discharge nozzle are manufactured from stainless steel** to provide maximum service life in the most arduous operating environment with extreme resistance to erosion, corrosion and cavitation. The balance of the waterjet is manufactured from marine grade aluminium. This combination of materials provides a new and unique alternative to operators at a very competitive price.

A **CAN BUS** based electronic control system provides a fully integrated multi-station waterjet, engine and marine gear control. The system also provides alarm, monitoring, back up and emergency control function.

eDOCK multi function electronic joystick, for single lever vector control and close quarter docking is available.



Performance
Reliability
Simplicity



Distributor

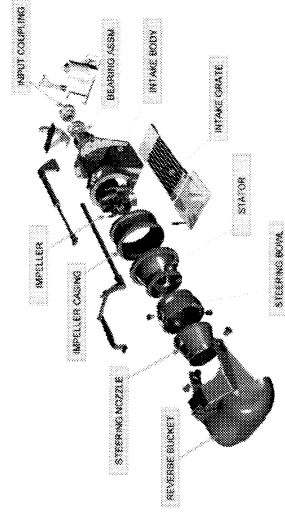
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MODEL RANGE

100 SERIES

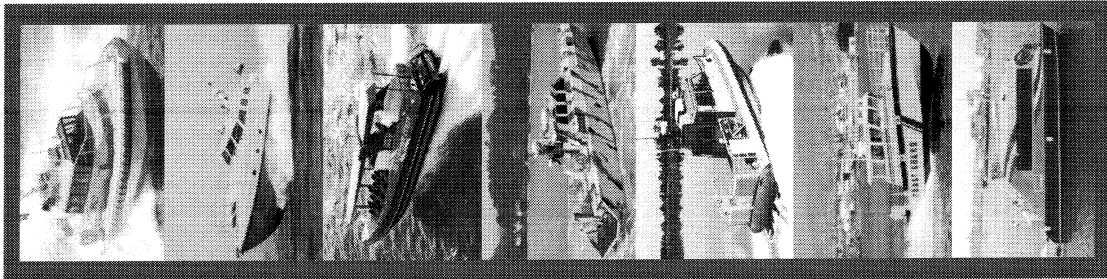


The **DOEN 100 Series** range of models can be matched to engines from 100kW to 900kW. These commercially rated units employ the latest in Waterjet Propulsion technology developed over 40 years of in field experience, together with our ongoing Research and Development programs.

The **100 Series** waterjets are constructed from strong, corrosion resistant and corrosion compatible materials. The stainless steel impeller is a one-piece casting, housed in a stainless steel liner. The intake ducting, impeller casing, and discharge nozzle complete the pump housing and are all manufactured from cast aluminium. The steering and reverse ducting is also manufactured from cast aluminium. A modular construction is used for simplicity of assembly and ongoing maintenance. This minimises the need for special tools to remove these components.

The **100 Series** pump features a single stage axial flow impeller design, optimised to deliver high volume thrust. This provides superior cavitation resistance and enhanced load-carrying ability together with excellent top speed performance. Each model has a comprehensive range of efficient high thrust impellers which when coupled with DOE's engineering expertise in waterjet propulsion application and installation, ensures correct selection and matching of waterjet, engine and gearbox combinations.

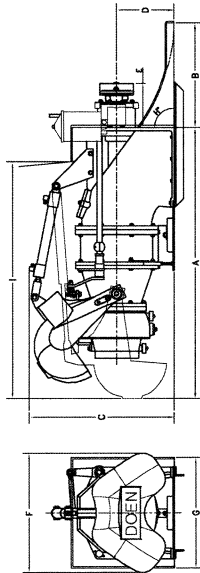
The **DOEN 100 Series** of waterjets can be installed as single, twin or triple jets in fibreglass, aluminium and steel hulls. They can also be supplied as booster jets.



100 SERIES - SPECIFICATION TABLE

	DJ100G	DJ105	DJ110	DJ120	DJ130	DJ140HP	DJ170HP
Power Range kW ⁽¹⁾ (hp)	225 (300)	260 (350)	335 (450)	380 (510)	410 (550)	670 (900)	855 (1150)
Max. Rpm	3600	3220	3055	2840	2600	2220	1975
Max. Displacement PLANING VESSEL	Single	3.5t	4t	4.5t	6t	7t	9t
	Twin	8t	9t	10t	12t	17t	26t
Max. Displacement DISPLACING VESSEL	Single	8t	9t	10t	15t	18t	20t
	Twin	17t	20t	22t	30t	40t	49t
Weight Kg (lbs)	Dry ⁽²⁾	125 (276)	170 (375)	185 (407)	225 (490)	295 (650)	375 (826)
Dimensions ⁽³⁾ (mm)	A	1075	1150	1200	1270	1545	1720
	B	290	455	455	520	630	740
	C	560	630	620	620	880	755
	D	242	230	250	250	370	320
	E	170	195	195	245	220	220
	F	540	540	540	700	775	775
	G	360	470	470	520	600	600
	H	95°	90° ⁽⁴⁾	90° ⁽⁴⁾	90°	95° ⁽⁴⁾	90° ⁽⁴⁾
	I	920-965	1000-1075	1045-1120	1045-1120	1225-1495	N/A
Mounting Method	Transom	Transom	Transom	Transom	Transom	Pre-Fab.	Pre-Fab.
	Transom	Transom	Transom	Transom	Transom	Pre-Fab.	Pre-Fab.
Note	(1)	Maximum Rec. Continuous Power					
	(2)	Includes Std. Reverse Control System - Excludes Entrained Water					
	(3)	Typical only - not to be used for construction purposes					
	(4)	95° Transom mounted jet also available					

DOEN TRANSOM MOUNTING SYSTEM

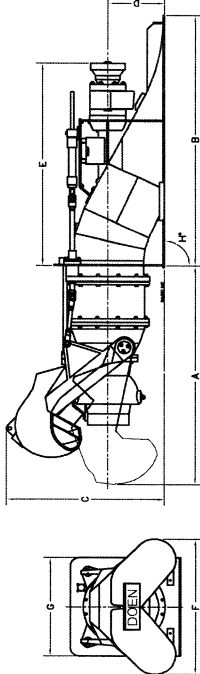


Data subject to change without notice

200/300 SERIES - SPECIFICATION TABLE

	DJ200	DJ220	DJ260	DJ290	DJ330	DJ350	
Power Range kW ⁽¹⁾ (hp)	1000 (1340)	1150 (1540)	1600 (2145)	2000 (2680)	2750 (3690)	3200 (4290)	
Max. Rpm	1600	1825	1290	1160	1020	960	
Weight Kg (lbs)	Dry ⁽²⁾	875 (1930)	1050 (2315)	1700 (3750)	2340 (5160)	3050 (6805)	
Construction	Intake Duct	Aluminium Plate OR Mild Steel					
	Main Shaft	Stainless Steel SAF2206 (S/S)					
	Impeller	Stainless Steel casting (S/S)					
	Imp. Housing	Aluminium + (S/S)	Stainless Steel (S/S)				
	Stator	Aluminium	Stainless Steel (S/S)				
	Steering Nozzle	Aluminium Casting					
Reverse Duct	Aluminium Casting + Aluminium Plate						
Dimensions ⁽³⁾ (mm)	A	1470	1855	1980	2205	2430	2430
	B	1935	2080	2520	2835	3505	3905
	C	1015	1240	1365	1565	1755	1755
	D	430	460	540	600	685	685
	E	1550	1670	1940	2155	2550	2630
	F	1100	1200	1470	1700	2040	2040
	G	830	840	950	1040	1250	1250
	H	90° ⁽⁴⁾	90°	90°	90° ⁽⁴⁾	90° ⁽⁴⁾	90° ⁽⁴⁾
Mounting Method		Pre-Fab.					
Note	(1)	Maximum Rec. Continuous Power - Higher Sprint Rating Possible					
	(2)	Includes Std. Reverse Control System - Excludes Entrained Water					
	(3)	Typical only - not to be used for construction purposes					
	(4)	Standard Stated - Custom Shaft angles also available this model					

DOEN PREFABRICATED INTAKE MOUNTING SYSTEM



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