

## Hydraulic Power Packs

*A leader in turnkey hydraulic power systems to the marine industry for over 30 years. Supplied in two designs:*

*A. Commercial & Military Ships - Maximum accessibility and ease of inspections.*

*B. Luxury Yachts – Specifically for elegance and ease of operation.*

### Common Features

- ✓ Reliable hydraulic power independent of main engines – ideally suited for Stabilization AtRest® and Total Ride Control® systems.
- ✓ Assembled and tested in-house with only the highest quality components.
- ✓ Self-contained fully plumbed units include motor(s), pump(s), fluid cooling and filtration, valves/manifolds and accumulators and/or silencers.
- ✓ Eases installation, reduces hydraulic lines, and simplifies maintenance.
- ✓ Fluid level, temperature and pressure are continuously monitored with electronic sensors. Alarm signals sent to the motion control system and the ship's central alarm.
- ✓ Reservoir configured with suction ports when required to supply engine driven pumps.



### A. Commercial and Military Power Packs

- ✓ Open design maximizes accessibility. Ideally suited for systems subject to special regulations and mandatory inspections.
- ✓ Soft starter or variable frequency motor drive can be mounted on the power pack or separately.

<b>Motor Power</b>	<b>Width Inches (mm)</b>	<b>Height Inches (mm)</b>	<b>Depth Inches (mm)</b>
7.5 - 11 kW	33.5 (851)	41.5 (1053)	33.9 (862)
12 - 15 kW	48.2 (1224)	39.4 (1002)	33.7 (856)
18.5 kW	51 (1295)	42.5 (1079)	34.1 (867)
22 kW	38.6 (980)	47.8 (1214)	35.2 (895)
30 kW	43.3 (1100)	47.6 (1208)	32.7 (830)
37 kW	57.9 (1472)	49 (1245)	55.1 (1400)
44 kW	57.9 (1472)	49 (1245)	55.1 (1400)
55 kW	55.5 (1410)	52.5 (1335)	59 (1500)
75 kW	68.1 (1730)	53 (1348)	70.8 (1800)
100 kW	78.6 (1997)	70.2 (1784)	61 (1550)
112 kW (75+37)	92.5 (2350)	52 (1323)	82 (2087)
137 kW (100+37)	92.5 (2350)	60.5 (1541)	82 (2087)

Plus custom sizes and configurations designed to suit any application.



## B. Luxury Yacht Power Packs

- ✓ Minimum noise and vibration - submerged pump, and runs at low RPM.
- ✓ Available in a wide variety of standard sizes and configurations with single or dual motors.
- ✓ High yacht quality fit and finish throughout.
- ✓ Can be controlled with the DATUM™ system, or a PLC integrated system.
- ✓ Removable front panel houses filters, coolers, valves and manifold.
- ✓ Variable frequency motor drive mounts separately.



Motor Power	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)
7.5 kW	24 (610)	18.9 (480)	39.4 (1000)
11 kW	43.5 (1105)	25.5 (647)	43.4 (1102)
15 kW	43.5 (1105)	25.5 (647)	47.8 (1215)
18.5 kW	43.5 (1105)	25.5 (647)	49.8 (1266)
22 kW	46.5 (1182)	32.1 (815)	54.5 (1385)
30 kW	46.5 (1182)	32.1 (815)	56.9 (1445)
45 kW	46.5 (1182)	32.1 (815)	61.2 (1555)
2 x 15 kW	46.5 (1182)	32.1 (815)	52 (1320)
2 x 18.5 kW	46.5 (1182)	32.1 (815)	54.1 (1375)
2 x 22 kW	50.5 (1282)	32.1 (815)	58.5 (1485)
2 x 30 kW	50.5 (1282)	32.1 (815)	60 (1525)
2 x 37 kW	70.5 (1790)	37.5 (953)	66.5 (1689)

Plus custom sizes and configurations designed to suit any application.

## Diesel Engine Pump Drives

When power is not available to run an electric motor, specify an ND diesel-engine driven pump package. Compact and quiet, these units bring stabilization AtRest® capability to more yachts than ever before.



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**NAIAD DYNAMICS: The Science of Ship Motion Control®**