



# KEYPOWER BOW AND STERN THRUSTERS

## *Keypower keeps you under control.*

Keypower has been designing and manufacturing rugged, dependable bow and stern thrusters for almost 40 years. From their origins, deeply rooted in the commercial markets of the Pacific Northwest, Keypower thrusters have been trusted by vessel operators who face the harshest marine environments on a daily basis. As a result of Keypowers' underlying drive to meet the heavy demands of commercial use, Keypower thrusters have quickly become the trusted solution in a variety of markets that include military applications as well as the pleasure and yacht markets where owners have grown to appreciate reliable products that withstand the test of time.

Both electric and hydraulic thruster models are available, ranging from 5hp (8"/20.3cm) to 400hp (40"/101.6cm). Based on hydrodynamic fundamentals, the streamlined shape of the housing coupled with the auger style propeller provides maximum thrust per horsepower while maintaining equal thrust in both directions. Integrated hydraulic packages are available in proportional control or On/Off.

Keypower thrusters use duplex stainless steel for the main shaft due to its unique combination of properties: high strength, excellent corrosion resistance and superior resistance to galling and seizing. The gear housing contains a matched set of spiral bevel gears that are custom designed to ensure reliability and silent operation. A large, replaceable, sacrificial zinc is used to protect the thrusters from electrolysis.

High quality materials, robust engineering and a commitment to customer service make Keypower thrusters the safe decision for any application.



**Robust  
& Reliable**

**High  
Quality**

**Commercial  
& Pleasure Craft**

**Electric  
& Hydraulic**

## Key Thruster Features

- Auger-style propeller for equal thrust in both directions
- Available in bronze, aluminum or steel construction
- Hydrodynamic design for greater power and enhanced propeller efficiency
- Low maintenance adds value over time

## Optional Integrated Hydraulics

- Load Sensing Piston Pump
- High Pressure Filter
- 4 Way / 3 Position Solenoid Valves
- Thruster Control Station in either Proportional or On/Off
- Hydraulic Reservoir
- Heat Exchanger

# MODELS

## Hydraulic

Model	Horsepower	Required GPM*	Required PSI*	Thrust lbs.f.
KP 8	10	7.5	2,500	250
KP 10	15	10.5	2,500	375
KP 12	25	16	2,600	625
KP 12 HD	30	20	2,500	750
KP 14	36	26	2,500	900
KP 16	50	34	2,600	1,250
KP 16 HD	62	45	2,500	1,550
KP 18	75	52	2,500	1,875
KP 18 HD	90	55	2,750	2,250
KP 22	110	75	2,500	2,750
KP 22 HD	135	83	2,750	3,375
KP 26	160	110	2,600	4,000
KP 26 HD	185	125	2,500	4,625
KP 36	250 / 350	As per application		6,250 / 8,750

\* NOTE: Values are for stock hydraulic motors. Other hydraulic motors are available on request.  
Thrust values will vary based on the installation.

## Electric

Model	Horsepower	Required Voltage	Required Amps	Thrust lbs.f.
KP 08E	5	12	320	140
KP 10E	10	24	320	250
KP 12E	14	24	440	350

Component	Aluminum Model	Bronze Model	Steel Model
Gear Housing	A356-T6, Anodize=MIL A8625E, ASTM 8147 (8A)	Manganese Bronze	Steel
Propeller	ALMAG Anodize=MIL 8625E	Manganese Bronze	Manganese Bronze
Propeller Shaft	17 – 4 PH – H 925	17 – 4 PH – H 925	17 – 4 PH – H 925
Fasteners	316 Stainless	316 Stainless	316 Stainless

### Common Use Scenarios

- Maintaining position
- Docking
- Control in heavy currents
- Manoeuvring in tight spaces

### Applicable Vessels

- Passenger Ferries
- OSVs & Supply Vessels
- Pleasure Craft / Yachts
- Military Craft / Coast Guard Vessels