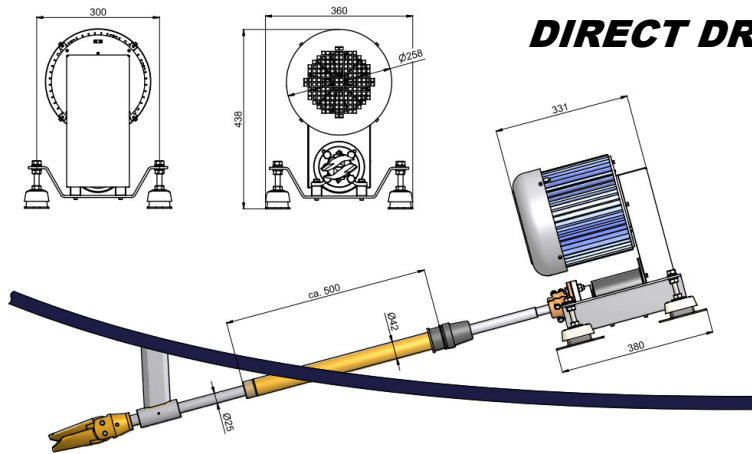


ADVANCED ELECTRIC INBOARD ENGINES

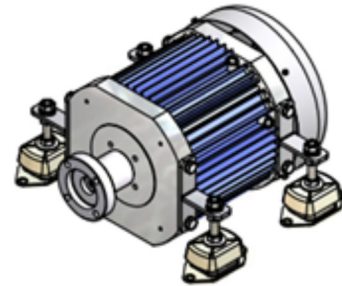


all4solar
123 Harbour Drive
Trinity Park QLD
4879
ABN 61832274764

all4solar
electric boat engines & solar power



DIRECT DRIVE OR GEARED DRIVE



THE COMPLETE KIT TO MAKE YOUR BOAT ELECTRIC

Krätler Motor Technology since 1971



Why install the advanced high tech induction motors when you can get cheap DC motors for less money?

Induction motors do not contain permanent magnets or brushes which limit the torque and wear out. An induction motor offers the full torque over the whole rotation range and for most applications does not need a gear reduction. These engines are completely maintenance free and can run for far over 10000 hours until bearings need replacement.

These low voltage induction motors run on battery power controlled by a fully programmable Curtis inverter controller. No cheap Chinese DC motor controller.

If you think about serious electric boat propulsion, an induction motor is the only way to go!

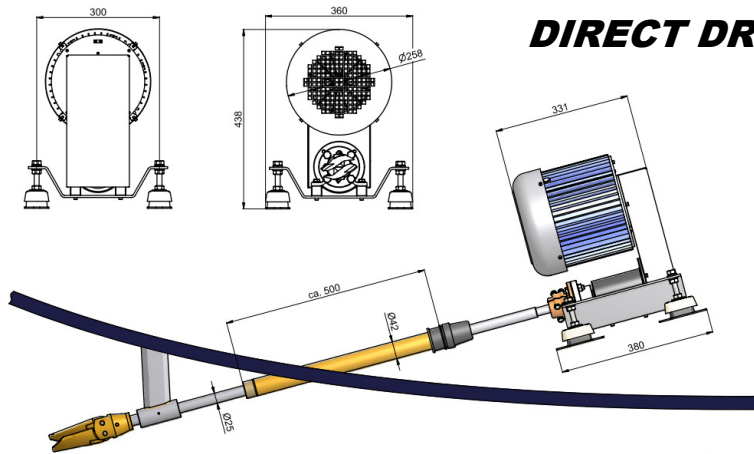
5 to 200 HP

ELECTRIC INBOARD ENGINE 4.3 KW | 9-10 HP *

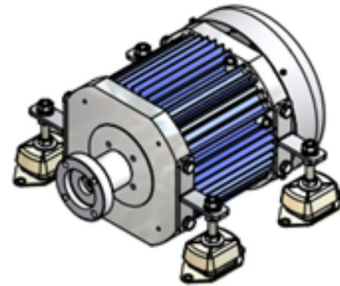


all4solar
123 Harbour Drive
Trinity Park QLD
4879
ABN 61832274764

all4solar
electric boat engines & solar power



DIRECT DRIVE OR GEARED DRIVE



THE COMPLETE KIT TO MAKE YOUR BOAT ELECTRIC

Krätler Motor Technology since 1971

THAT'S INCLUDED

- Advanced electric AC induction motor for 48 V DC
- Integrated gear box and shaft coupling (25 mm)
- Ready to install with engine mounts
- Cables with plug to battery | Main Switch | Contactor
- Single lever with switch lock all prewired
- 5.1 KW h lithium battery pack with BMS 48 V DC or alternatively 4.8 KW h lead acid AGM
- Digital motor controller | battery monitor
- Battery charger 48 V for lithium battery

THAT'S THE PERFORMANCE

- 4.3 KW output / thrust similar to a 9-10 HP diesel *
- 5 KW power consumption (104 Amp) - 1400 rpm
- Weight 44 kg 114 kg (lithium) 182 kg (lead acid)
- For boats upto 4.0 t (one engine)
- Run time at an average 40% throttle 2 h 20 min.

* performance thrust with lithium batteries average 100-1200 rpm

THAT'S THE COST

For the latest prices see
www.all4solar.com.au/SHOP or contact us.



OPTIONS

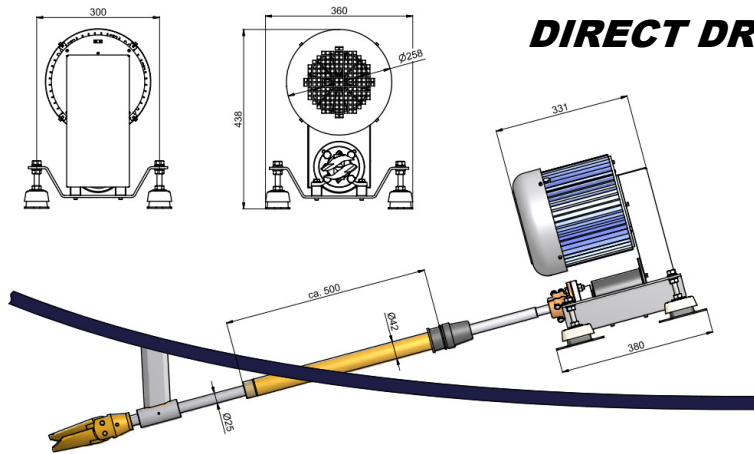
- Joystick lever
- Lever for double engines
- Batteries (AGM or lithium)
- Solarsystem

ELECTRIC INBOARD ENGINE 6 KW | 12 HP

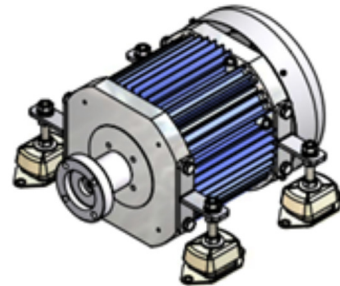


all4solar
123 Harbour Drive
Trinity Park QLD
4879
ABN 61832274764

all4solar
electric boat engines & solar power



DIRECT DRIVE OR GEARED DRIVE



THE COMPLETE KIT TO MAKE YOUR BOAT ELECTRIC

Kräutler Motor Technology since 1971

THAT'S INCLUDED

- Advanced electric AC induction motor for 48 V DC
- Integrated gear box and shaft coupling (25 mm)
- Ready to install with engine mounts
- Cables with plug to battery/Main Switch/Contactor
- Single lever with switch lock all prewired
- 5.1 KW h lithium battery pack with BMS 48 V DC or alternatively 4.8 KW h lead acid AGM
- Digital motor controller | battery monitor
- Battery charger 48 V for lithium battery

THAT'S THE PERFORMANCE

- 6 KW output / thrust similar to a 12 HP diesel *
- 7.1 KW power consumption (148 Amp) - 1400 rpm
- Weight 44 kg 114 kg (lithium) 182 kg (lead acid)
- For boats upto 6 t (one engine)
- Run time at an average 40% throttle 1 h 40 min.

* performance thrust with lithium batteries average 100-1200 rpm

THAT'S THE COST

- For the latest prices see
www.all4solar.com.au/SHOP or contact us.



● OPTIONS

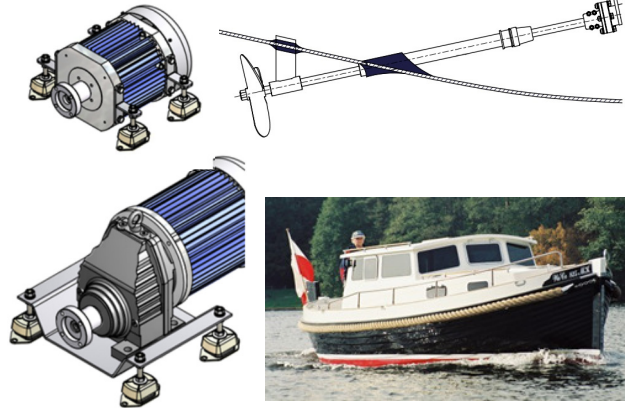
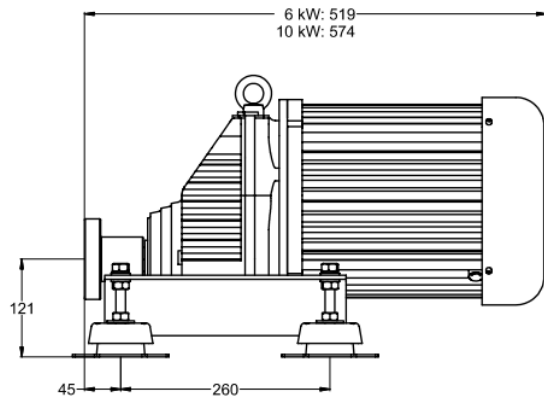
- Joystick lever
- Lever for double engines
- Batteries (AGM or lithium)
- Solarsystem

ELECTRIC INBOARD ENGINE 10 KW | 20 HP



all4solar
123 Harbour Drive
Trinity Park QLD
4879
ABN 61832274764

all4solar
electric boat engines & solar power



THE COMPLETE KIT TO MAKE YOUR BOAT ELECTRIC

Krätler Motor Technology since 1971

THAT'S INCLUDED

- Advanced electric AC induction motor for 48 V DC
- Gear box optional | shaft coupling (30 mm)
- Ready to install with engine mounts
- Cables with plug to battery | Main Switch | Contactor
- Single lever with switch lock all prewired
- 9.6 KW h lithium battery pack with BMS 48 V DC or alternatively 9.6 KW h lead acid AGM (4x12V)
- Digital motor controller | battery monitor
- Battery charger 48 V for lithium battery (240V AC)

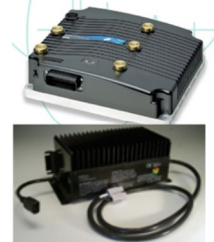
THAT'S THE PERFORMANCE

- 10 KW output / thrust similar to a 20 HP diesel *
- 11.8 KW power consumption (246 Amp) - 1400 rpm
- Weight 74 kg 184 kg (lithium) 320 kg (lead acid)
- For boats upto 10 t (one engine)
- Run time at an average 40% throttle 1 h 50 min.

* performance thrust with lithium batteries average 100-1200 rpm

THAT'S THE COST

For the latest prices see
www.all4solar.com.au/SHOP or contact us.



OPTIONS

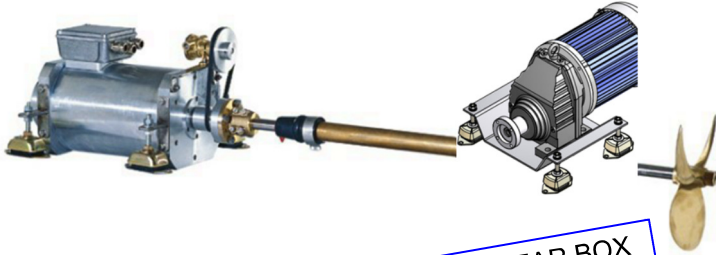
- Joystick lever
- Lever for double engines
- Batteries (AGM or lithium)
- Solarsystem

ELECTRIC INBOARD ENGINE 15-30 KW | 30-60 HP



all4solar
123 Harbour Drive
Trinity Park QLD
4879
ABN 61832274764

all4solar
electric boat engines & solar power



FOR HEAVY BOATS—ADVANCED GEAR BOX
WATER COOLING
OPTIONAL HEAT EXCHANGER AVAILABLE
FOR SALT WATER USE

THE COMPLETE KIT TO MAKE YOUR BOAT ELECTRIC

Kräutler Motor Technology since 1971

THAT'S INCLUDED

- Advanced electric AC induction motor for 96 V DC
- Integrated gear box and shaft coupling (30-40 mm)
- Ready to install with engine mounts
- Cables with plug to battery & Main Switch
- Single lever with switch lock
- 19.2 KW h lithium battery pack with BMS 96 V DC or alternatively 19.2 KW h lead acid AGM (8x12 V)
- Digital motor controller | battery monitor
- Battery charger 96 V for lithium battery

THAT'S THE PERFORMANCE

- 25 KW output / thrust similar to a 50 HP diesel *
- 28.4 KW power consumption (296 Amp) - 1500 rpm
- Weight 107 kg 322 kg (lithium) 667 kg (lead acid)
- For boats upto 25 t (one engine sail boat)
- Run time at an average 40% throttle 1 h 35 min.

* performance thrust with lithium batteries average 100-1200 rpm

THAT'S THE COST

For the latest prices see

www.all4solar.com.au/SHOP or contact us.



OPTIONS

- Joystick lever
- Lever for double engines

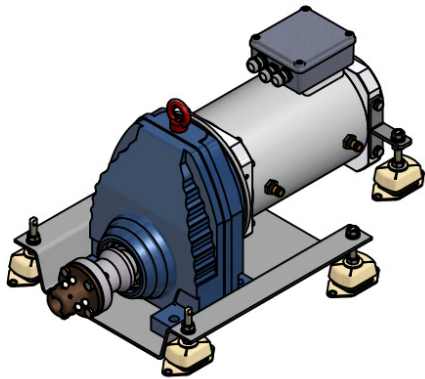
ELECTRIC INBOARD ENGINE 25 KW | 50 HP



all4solar
123 Harbour Drive
Trinity Park QLD
4879
ABN 61832274764

all4solar
electric boat engines & solar power

25 KW AC induction inboard engine



Weight 107 kg
Gear ratio 1:2 (other available)
Rpm 1200 nom
Output 25 KW | > 100 NM
Input 96 V DC
296 Amp
28.3 KW

