



Craftsman
MARINE

CRAFTSMAN MARINE

CATALOGUE
2016

FAN for extra cooling
(except for 55 kgf)

Motor temperature
protection switch

Easily accessible battery
connection terminals

Protection cover for
electrical components

Oil expansion tank for models
125 kgf, 150 kgf and 170 kgf

5A circuit breaker for
the control panel

Waterproof and latch lock connector for
the control panel. A 100% guaranteed
connection also in case of vibrations.

Flexible coupling to
absorb vibrations

Supplied with 1mm and 2mm
gasket to centre the propeller
inside the tunnel

Brass tail piece

Optimised 7 blade propeller
for maximum thrust

Replaceable zinc or
aluminium anode



Thruster selection

Choosing the right thruster for your boat is not easy. Many factors play a role when making a selection. Not only the length and height of the boat are important, but also the type of boat. A light displacement boat requires less force to manoeuvre than a heavy displacement boat and then there is the weather to take into account.

When the wind speed is twice as much, the wind force acting on the boat is four times as high. So when you always sail with your boat in perfect weather you can choose a smaller thruster, but when you want to be able to control your boat under all weather conditions you need to install a more powerful thruster.

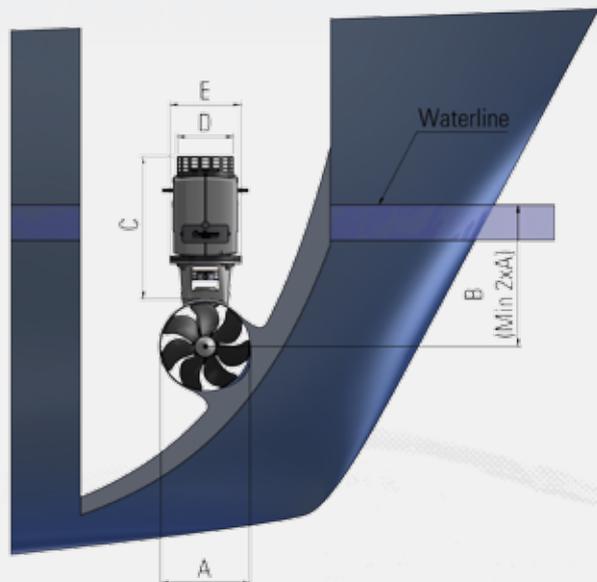
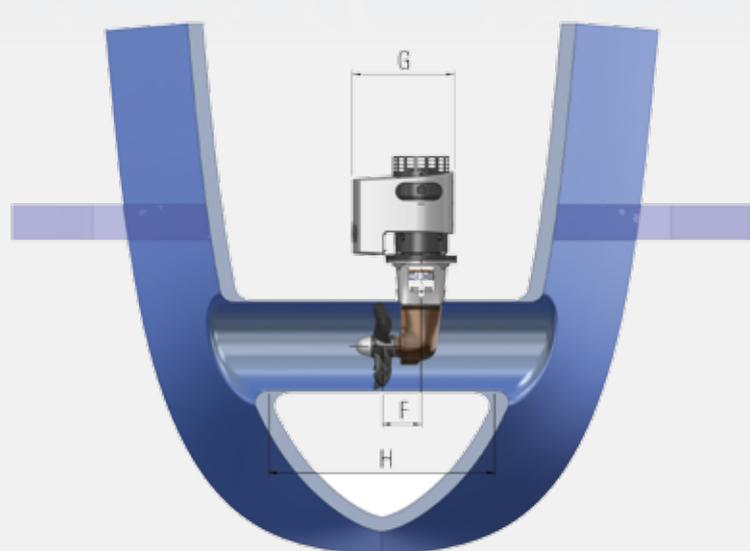
Light displacement



Medium displacement



Heavy displacement



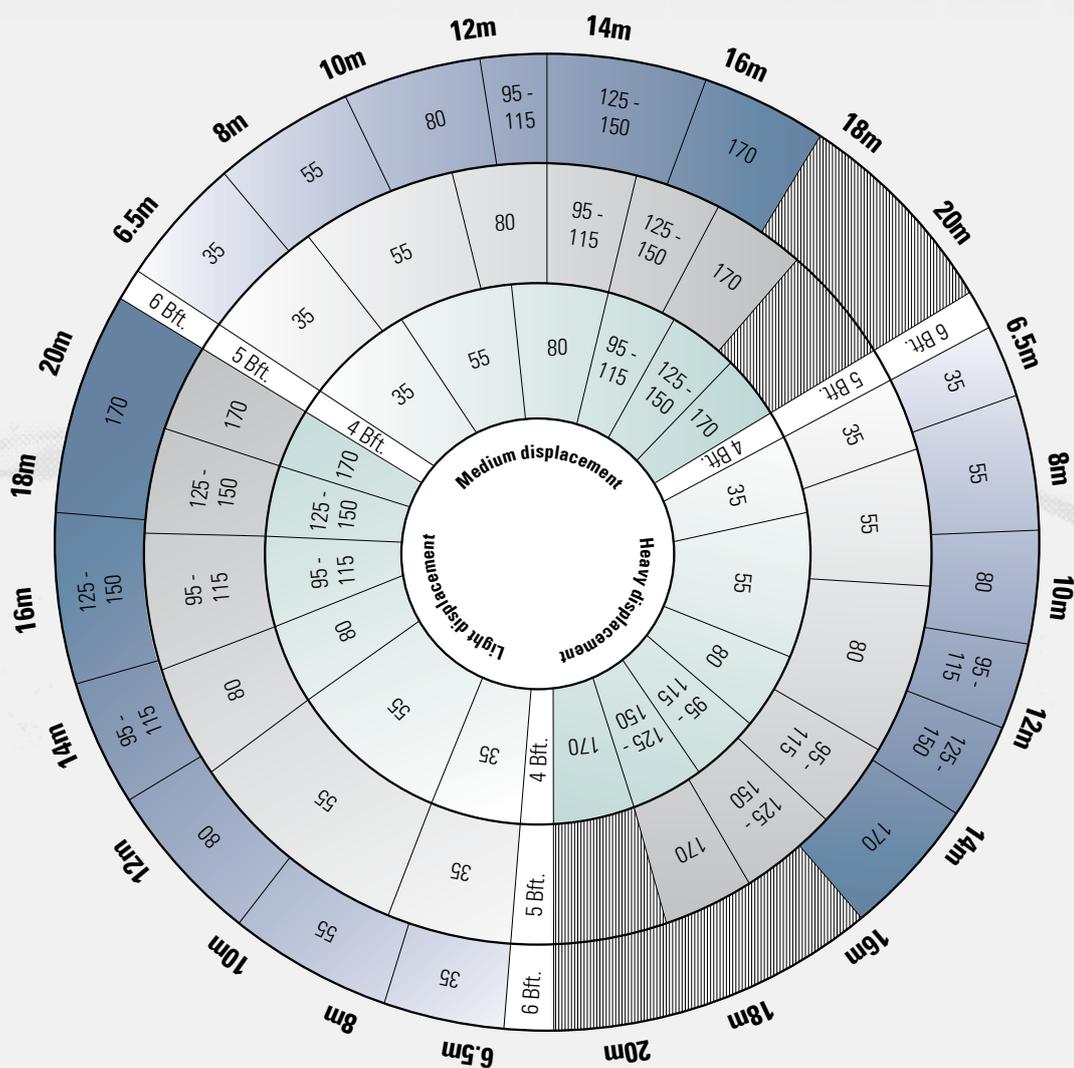
	Thruster 35kgf 12V	Thruster 55kgf 12V	Thruster 80kgf 12V	Thruster 80kgf 24V	Thruster 95kgf 12V	Thruster 115kgf 24V	Thruster 125kgf 12V	Thruster 150kgf 24V	Thruster 170kgf 24V
A	ø110 mm	ø150 mm	ø185 mm	ø185 mm	ø185 mm	ø185 mm	ø250 mm	ø250 mm	ø250 mm
B (min.)	220 mm	300 mm	370 mm	370 mm	370 mm	370 mm	500 mm	500 mm	500 mm
C	276 mm	303 mm	344 mm	307 mm	372 mm	372 mm	404 mm	404 mm	422 mm
D	ø114 mm	ø128 mm	ø126 mm	ø128 mm	ø160 mm	ø160 mm	ø160 mm	ø160 mm	ø172 mm
E	ø175 mm	ø175 mm	ø175 mm	ø175 mm	ø200 mm	ø200 mm	ø200 mm	ø200 mm	ø200 mm
F	68 mm	115 mm	115 mm	115 mm					
G	238 mm	238 mm	238 mm	294 mm	294 mm	294 mm	294 mm	294 mm	301 mm
H (min.)	110 mm	150 mm	185 mm	185 mm	185 mm	185 mm	250 mm	250 mm	250 mm

We have made a thruster selection guide to give you an idea of the thruster suitable for your boat. Your dealer will assist you in selecting the correct thruster.

Follow the steps below to find your Craftsman Marine thruster:

Step 1.	Select your type of boat. In the graph are three boat types: light displacement, medium displacement and heavy displacement. <i>Rotate the graph so that your boat type is facing upward.</i>
Step 2.	Select the length of your boat.
Step 3.	Choose under what wind conditions you want to be able to manoeuvre the boat. You can choose between 4bft, 5bft or 6bft (bft = beaufort).

As you will see, the type of bowthruster can vary by as much as three types depending on the chosen weather conditions. Take into consideration that most of the times manoeuvring will be in a sheltered harbor. Manoeuvring with the wind on the bow will also require less force than wind from the side, so choose your berth carefully. For installation of the biggest thruster possible you not only require batteries with a higher capacity but also thicker cables and bigger fuses.





Optional equipment: please see page 83 for a complete overview of remote controls.

	THRUSTER 35kgf 12V	THRUSTER 55kgf 12V	THRUSTER 80kgf 12V
Article code:	BA.110.20012	BA.150.20012	BA.185.20012
Thrust force @ 10.5V:	35 kgf	55 kgf	80 kgf
Tunnel diameter:	110 mm	150 mm	185 mm
Power of electric motor:	2.4 kW (3.3 hp)	3.5 kW (4.8 hp)	4.0 kW (5.4 hp)
Motor type:	12V DC	12V DC	12V DC
Motor temperature switch:	✓	✓	✓
Operating time:	2min/hr	2min/hr	2min/hr
Current consumption:	340 A	400 A	420 A
Min. battery capacity: *	105 Ah	140 Ah	140 Ah
Main fuse slow-blow, type ANL: *	250 A	300 A	355 A
Battery cable, total length of plus and minus: *	0-9m / 50mm ² 9-13m / 70mm ²	0-6m / 50mm ² , 6-11m / 70mm ² 11-14m / 95mm ²	0-10m / 70mm ² 10-14m / 95mm ²
Connection battery cable:	M8	M10	M10
Weight:	12 kg	18 kg	19 kg

* The recommended battery capacity, and cable ratings are based on an operation time of 2 minutes. Short cable lengths in combination with a higher battery capacity may overheat the electromotor. Depending on the boat installation and the distance between thruster and battery, other ratings can be chosen. All thrusters are fitted with a zinc anode as standard. Aluminium anodes are available separately.



Optional equipment: please see page 84 for a complete overview of the fuse and fuse holder.



	THRUSTER 80kgf 24V	THRUSTER 95kgf 12V	THRUSTER 115kgf 24V
Article code:	BA.185.20024	BA.185.25012	BA.185.25024
Thrust force @ 10.5V:	80 kgf	95 kgf	115 kgf
Tunnel diameter:	185 mm	185 mm	185 mm
Power of electric motor:	4.0 kW (5.4 hp)	5.95 kW (8.1 hp)	5.95 kW (8.1 hp)
Motor type:	24V DC	12V DC	24V DC
Motor temperature switch:	✓	✓	✓
Operating time:	2min/hr	2min/hr	2min/hr
Current consumption:	240 A	640 A	320 A
Min. battery capacity: *	2*95 Ah	2*180 Ah	2*105 Ah
Main fuse slow-blow, type ANL: *	200 A	425 A	250 A
Battery cable, total length of plus and minus: *	0-19m / 35mm ² 19-27m / 50mm ²	0-9m / 95mm ² 9-12m / 120mm ²	0-20m / 50mm ² 20-28m / 70mm ²
Connection battery cable:	M10	M10	M10
Weight:	17 kg	25 kg	25 kg



Optional equipment: please see page 86 for a complete overview of the battery main switches.

	THRUSTER 125kgf 12V	THRUSTER 150kgf 24V	THRUSTER 170kgf 24V
Article code:	BA.250.20012	BA.250.20024	BA.250.25024
Thrust force @ 10.5V / 21V:	125 kgf	150 kgf	170 kgf
Tunnel diameter:	250 mm	250 mm	250 mm
Power of electric motor:	6.5 kW (8.8 hp)	6.5 kW (8.8 hp)	11.3 kW (15.4 hp)
Motor type:	12V DC	24V DC	24V DC
Motor temperature switch:	✓	✓	✓
Operating time:	2min/hr	2min/hr	2min/hr
Current consumption:	750 A	380 A	520 A
Min. battery capacity: *	2*230 Ah	2*105 Ah	2*180 Ah
Main fuse slow-blow, type ANL: *	500 A	250 A	355 A
Battery cable, total length of plus and minus: *	0-10m / 120mm ² 10-13m / 150mm ²	0-23m / 70mm ² 23-31m / 95mm ²	0-23m / 95mm ² 23-30m / 120mm ²
Connection battery cable:	M10	M10	M10
Weight:	33 kg	33 kg	38 kg

* The recommended battery capacity, and cable ratings are based on an operation time of 2 minutes. Short cable lengths in combination with a higher battery capacity may overheat the electromotor. Depending on the boat installation and the distance between thruster and battery, other ratings can be chosen. All thrusters are fitted with a zinc anode as standard. Aluminium anodes are available separately.

Stern Thruster tunnel deluxe

Craftsman Marine stern thruster tunnels are built from a glassfiber reinforced polyester filled with PU foam. This sandwich construction creates a great look and helps to reduce noise.

Shallow draft vessels might need an additional deflection kit to use the stern tunnel. These additional covers are mounted on the tunnel and minimise the amount of false air being sucked into the tunnel.



Article codes		150 mm		185 mm	
BB.010.20150	Stern thruster tunnel 150mm	H	225	H	230
BB.050.20150	Deflection covers 150mm	ID	150	ID	185
		L	300	L	330
BB.010.20185	Stern thruster tunnel 185mm	L1	155	L1	190
BB.050.20185	Deflection covers 185mm	W	208	W	236.5

Anodes

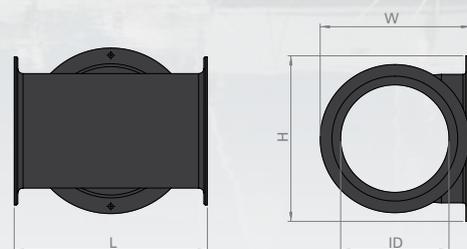
The anodes are available in both **zinc** and **aluminium**. For boats that are mainly used on fresh water aluminium is advised, while zinc is best suited for saltwater applications.



Thruster	Aluminium	Zinc
35 kgf	BA.110.95007	BA.110.90007
55 kgf	BA.150.95007	BA.150.90007
80 / 95 / 115 kgf	BA.185.95007	BA.185.90007
125 / 150 / 170 kgf	BA.250.95007	BA.250.90007

Stern Thruster tunnel basic

When aesthetics are less important the new more simple stern thruster tunnel is the choice for you. It is strong and functional but lacks the elegance that made the original Craftsman Marine stern thruster stand out.



	BB.010.25110	BB.010.25150	BB.020.25185	BB.020.25250
H	240	260	285	285
ID	110	150	185	250
L	280	300	330	450
W	180	221.5	242	322

GRP: Glassfiber reinforced polyester

Thruster Tubes

Craftsman Marine supplies the required tunnels in various lengths and diameters. The diameter of the tunnel depends on the chosen thruster. Tubes are made from steel or GRV (glass fibre reinforced vinylester). Vinylester is equally strong as polyester but does not absorb water.



Article codes	
BG.110.21100	GRV tunnel 110mm L=1.000mm
BG.110.21300	GRV tunnel 110mm L=3.000mm
BG.150.21100	GRV tunnel 150mm L=1.000mm
BG.150.21300	GRV tunnel 150mm L=3.000mm
BG.185.21100	GRV tunnel 185mm L=1.000mm
BG.185.21300	GRV tunnel 185mm L=3.000mm
BG.250.21100	GRV tunnel 250mm L=1.000mm
BG.250.21150	GRV tunnel 250mm L=1.500mm
BG.110.22100	Steel tunnel 110mm L=1.000mm
BG.150.22100	Steel tunnel 150mm L=1.000mm
BG.185.22100	Steel tunnel 185mm L=1.000mm
BG.250.22100	Steel tunnel 250mm L=1.000mm



CRAFTSMAN MARINE THRUSTER PANELS

Bow and stern thrusters make short handed manoeuvring a breeze.

The Craftsman Marine thruster control panels contribute to optimum ease of operation. It is just a push on the button, or to the joystick that triggers a range of complex movements in the simplest way.

In the case of only a bow thruster, a single panel is used. Dual panels serve the purpose of using both a bow and stern

thruster. In that case, each thruster is operated by its own joystick. The top sides of the panels are waterproof in accordance with the protection classification IP66.

Craftsman Marine thruster control panels are milled from an aluminium plate and anodised to ensure perfect protection against all (marine) weather conditions.



ALFA 20T 81 x 85mm
BC.010.20002



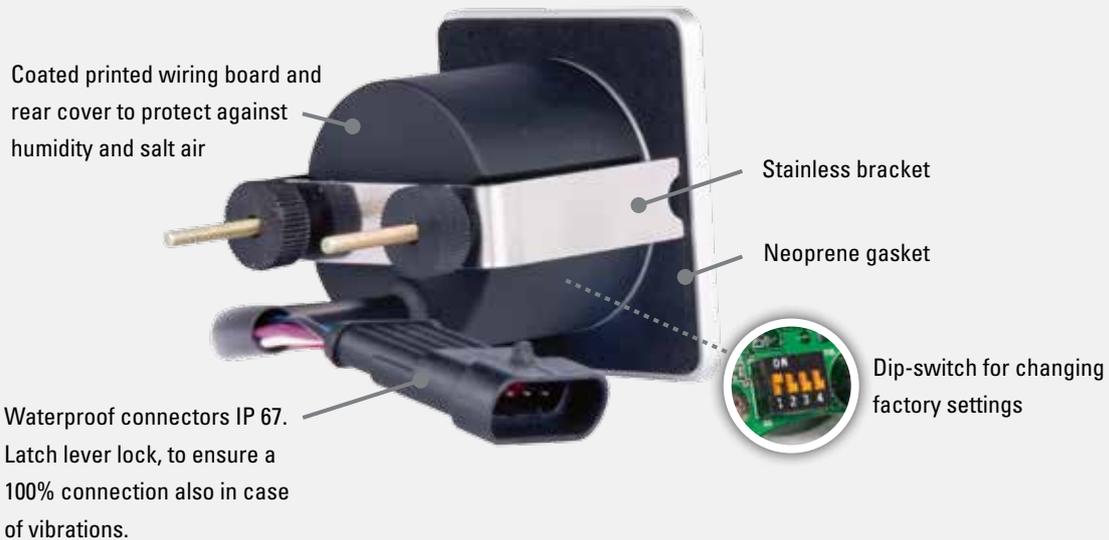
ALFA 30T 81 x 136mm
BC.010.20003



ALFA 10T 81 x 85mm
BC.010.20001

Thruster panels

All panels work with a very wide voltage input of 10.5-28V DC. The panel has a dip-switch which makes it possible to change factory settings to your own wishes. This makes the panels suitable for all boat types. With the splitter cables a connection to a fly-bridge panel can be made very easily.



The following functions are controlled by a microprocessor:

- **Visual and audible alarms**
- **Automatic switch-off of the panel**
 - switch-off after 30 (factory setting), 60 or 120 minutes
 - don't switch-off automatically
- **Time delay of 1 second** when changing the direction switch from/to starboard and portside (factory setting). This function can be disabled.
- **Protection against continuous operation**
 - This function can be disabled, but as extra the LED and audible alarm will indicate that the thruster is continuously enabled for a longer time than 2 minutes
- **Built-in temperature protection**
 - Automatic switch-off of the thruster when the thruster motor temperature is too high. In case of a high temperature it is always possible to use the thruster in a "pulse mode" by releasing the push button or joystick and then activating it again; the thruster motor will be enabled for 3 seconds, each time until the temperature is cooled down
- **"Child protection"** to ensure that the panels are not switched on by accident
- **Wire break detection.** Visual alarm if the electrical connection to the thruster relay is broken

Extension cables for thrusters and anchor windlasses

The Craftsman Marine extension cables are available in lengths of 7m, 10m, 15m and 20m. It is possible to connect different cable lengths together. To protect the electrical installation against moisture, salt, water, dust or dirt, all our cables are fitted with waterproof connectors.



- Waterproof connectors IP67 rubber sealing
- Latch lever lock, to ensure a 100% tight connection, also in case of vibrations.
- With the splitter cable it is very easy to make the connections for fly-bridge panels

Article codes	
BF.010.20000	Fly-bridge splitter cable
BF.010.20007	Connection cable 7m
BF.010.20010	Connection cable 10m
BF.010.20015	Connection cable 15m
BF.010.20020	Connection cable 20m

Hydraulic thruster panels

When you are looking for a switch-joystick to control your hydraulic thruster, searchlight or any other application that requires just a simple switch, the Craftsman Marine joystick is the control for you. It matches the looks and feel of the microprocessor controlled thruster panels.

- Maximum switching current 10A
- One step switch joystick



Wireless remote

The new wireless remote control by Craftsman Marine is one of a kind in pleasure craft. It utilises the 2.4 GHz ISM band and can be used for a multitude of devices. It gives you control over the operations of your choice.

Five different layouts are available for you to choose from, for your bowthruster, stern thruster or windlass. The Craftsman Marine remote control is a perfect addition to your thruster panel to give you even more flexibility. It is IP67 waterproof rated and floats when dropped overboard! Controlling your thruster or windlass has never been easier.



ALFA 30R

BC.020.20030

Solid anodised aluminium



ALFA 10R

BC.020.20010



ALFA 20R

BC.020.20020



ALFA 40R

BC.020.20040



ALFA 50R

BC.020.20050

How it works

The wireless remote uses a constant changing frequency in the 2.4GHz range to get a stable communication without interference from engine noise, WiFi equipment or any other wireless equipment.

Multiple transmitters can be used with a single receiver. The transmitters and receivers use a unique 32 bit code, named Electronic Serial Number (ESN). After pairing the transmitter with the receiver it is impossible to get interference from your neighbour with the same system. The range exceeds 20 metres. The transmitter uses a replaceable button cell that will last for several years with regular use.

Specifications	
Operating voltage receiver	8-30V DC
IP rating transmitter	IP67
Dimensions transmitter	40 x 120 x 15mm
Range	max. 150m
Battery life transmitter	> 1 year
Approvals	CE and ETSI (Europe) IC and FCC (USA)