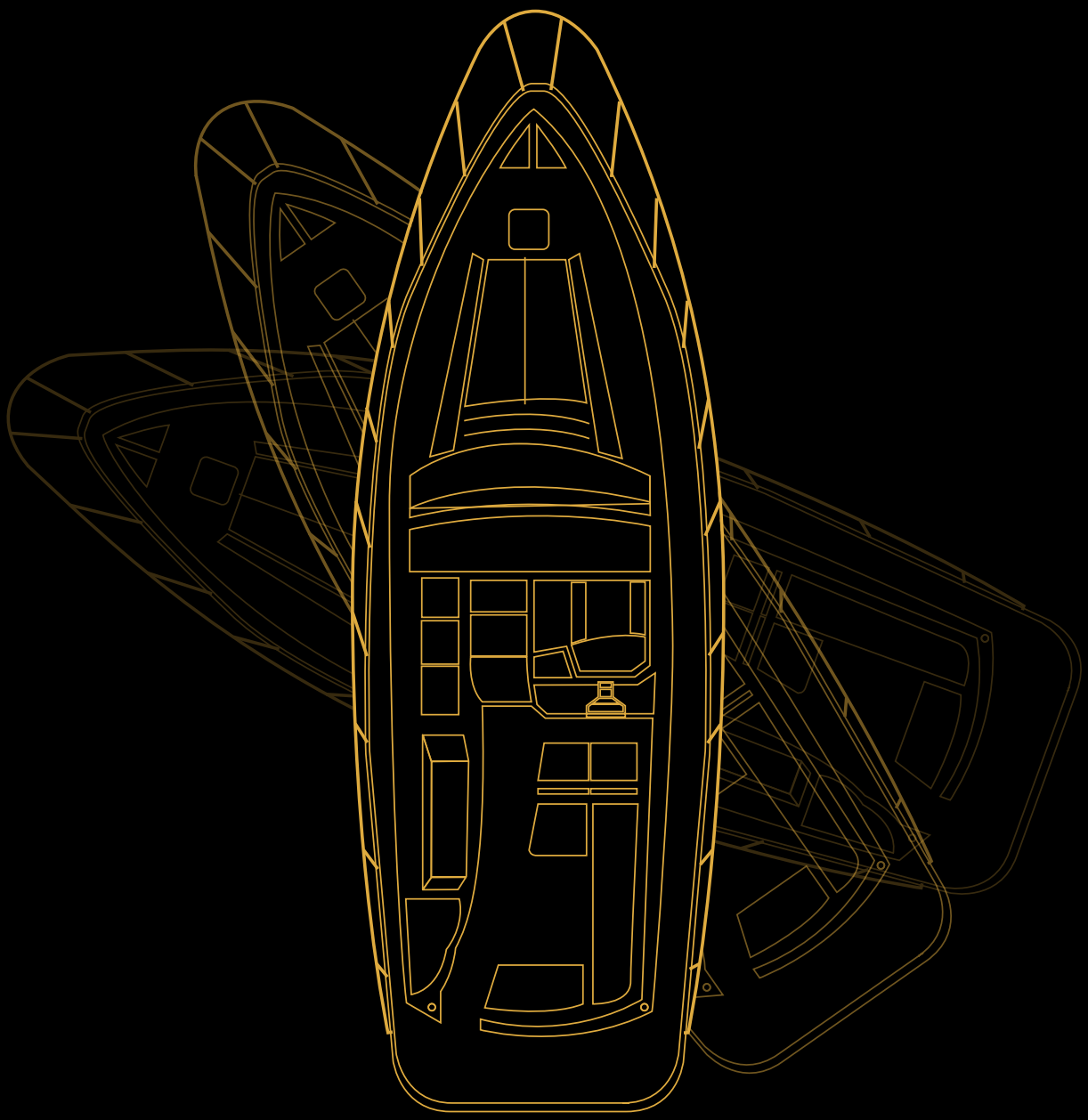
MAX

POWER

CONTROL TO THE **MAX**

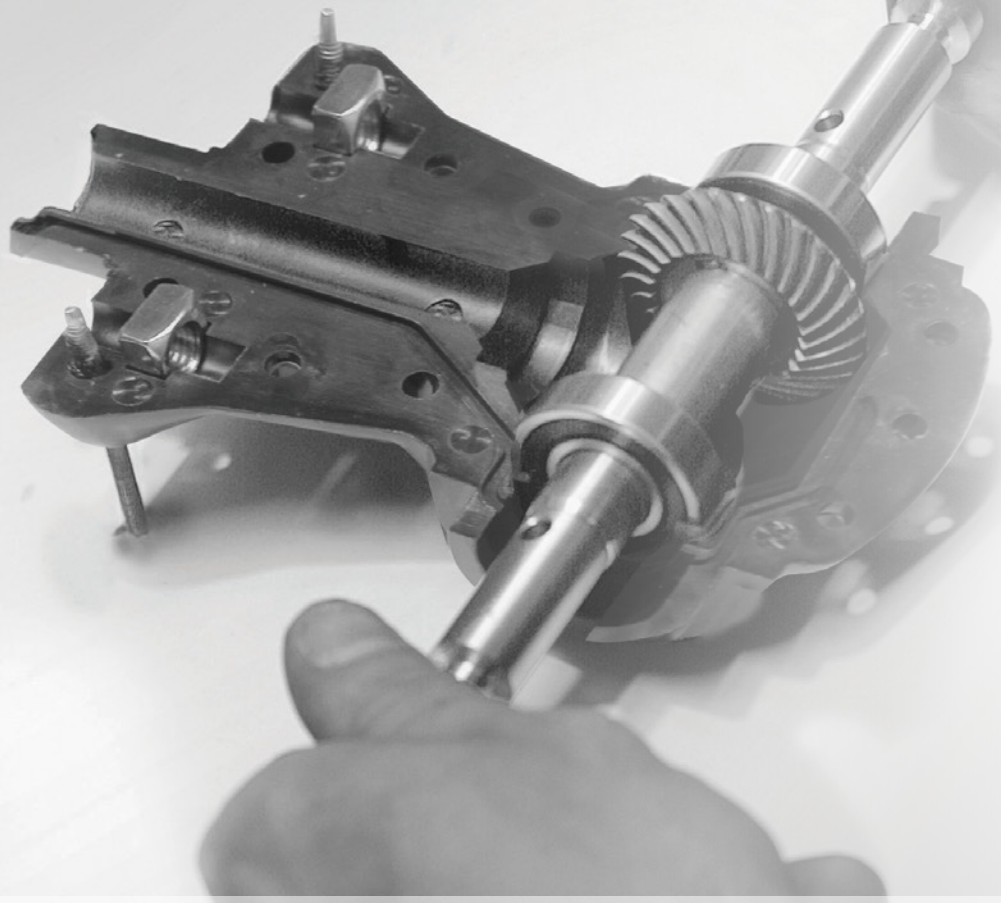


MAX POWER

CONTROL TO THE **MAX**

www.max-power.com

Founded in 1987 in Mandelieu, France, MAX POWER is a global leader in yacht maneuvering technology, manufacturing a wide range of high-performance thrusters for yachts of all sizes.



Throughout the years, MAX POWER has heavily invested in refining its production process, quality systems, and logistics. Key upgrades include the introduction of a custom Warehouse Management System (WMS) and SAP ERP, which have significantly improved operational efficiency. In addition, a customer-focused ticketing system facilitates quick and direct communication between boaters and our technical team, ensuring fast support when needed.

We place a strong emphasis on vertical integration in our production process to maintain the highest quality standards across all our products.

Known for innovative, high-quality solutions, MAX POWER continually sets new standards in design and performance within the yachting industry.

Renowned boat builders worldwide rely on MAX POWER to deliver exceptional maneuvering solutions for their new builds.

MAX POWER's global network of official distributors and service providers ensures expert support is always within reach.



Superior quality

Innovative solutions



ECO PROPORTIONAL

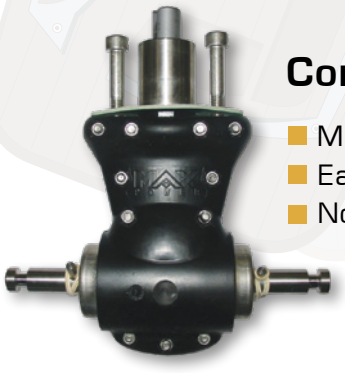
- Eco friendly
- Fully proportional control
- Unlimited runtime*
- Compact and lightweight

**Until the battery runs out*



Compact Retract

- Lightweight composite construction
- Lowest profile and smallest hull opening on the market
- Rapid deployment
- Unique patented folding movement (RetractTM)

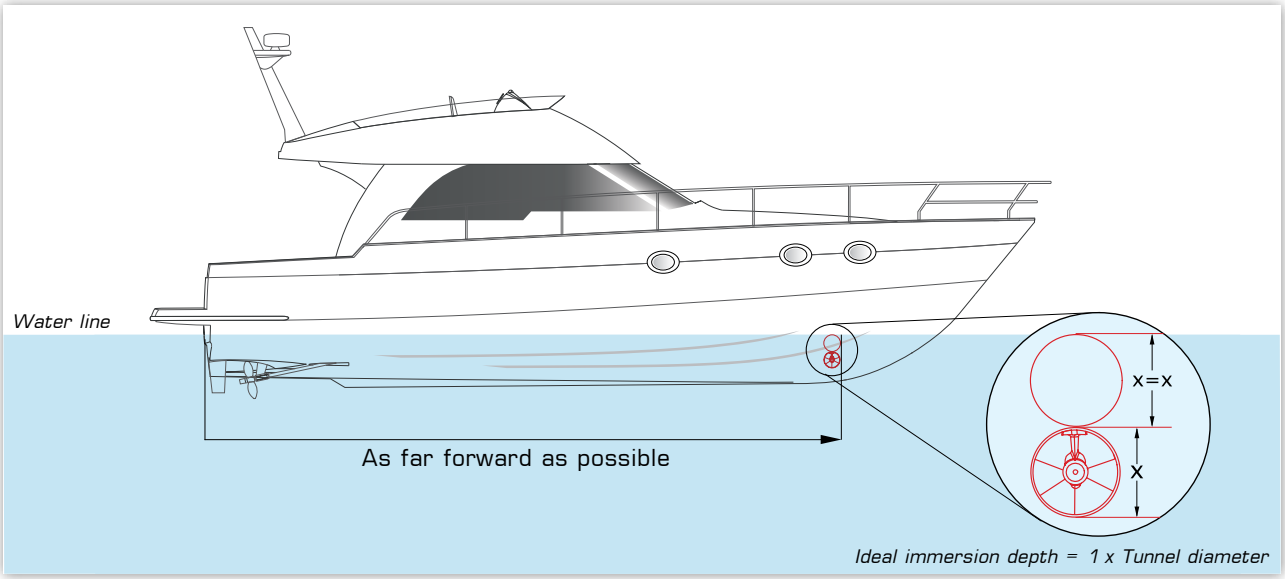


Composite Leg

- Maintenance-free
- Easy fit
- No corrosion

Tunnel Thrusters

Positioning thrusters is as much important as choosing the right thrust output when seeking a suitable thruster **for your yacht.**

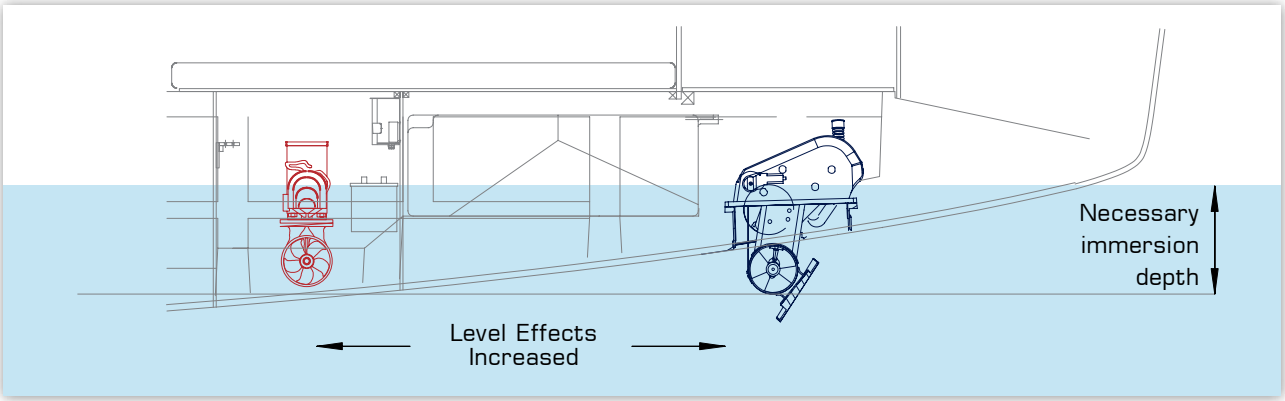


The thruster's turbine needs to be placed one full propeller diameter below the water line to achieve optimal thrust. The thruster must also be positioned as far forward in the bow or as far back in the stern as possible. A thruster positioned further back from the bow (or stern) would need to be more powerful than one mounted further forward (or aft), to achieve the same turning effect on the yacht.

With this in mind, tunnel thrusters are the ideal solution for motor yachts and even deep-keeled sailing yachts when sailing performance is not paramount.

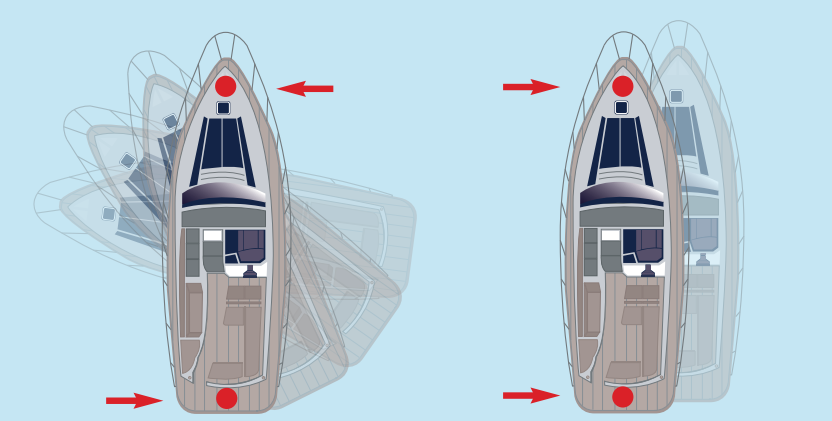
Retractable Thrusters

Retractable thrusters are easily installed far forward in the bow whilst still achieving the required immersion depths. This results in a thruster offering a good turning effect on the yacht, often allowing a unit with a lower thrust rating than its tunnel equivalent to be used with excellent results.



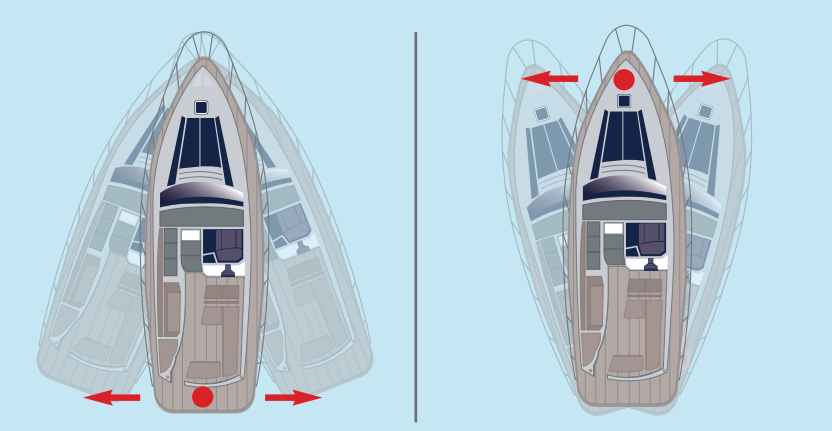
When retracted, these units have no effect on the yacht's drag and do not reduce sailing performance in light winds.

Retractable thrusters are mostly suited to modern sailing yachts.



Bow and Stern Thruster

Bow and Stern Thrusters



Stern Thruster Only

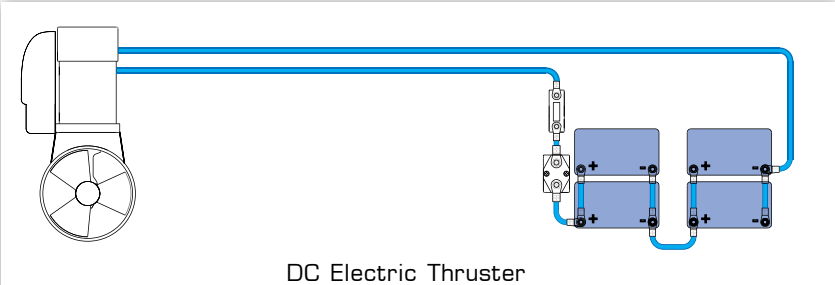
Bow Thruster Only

The combined use of a bow and stern thruster adds a **greater level of control when manoeuvring in difficult conditions or tight corners.**

Turning on the spot or even stepping the entire yacht sideways becomes possible.

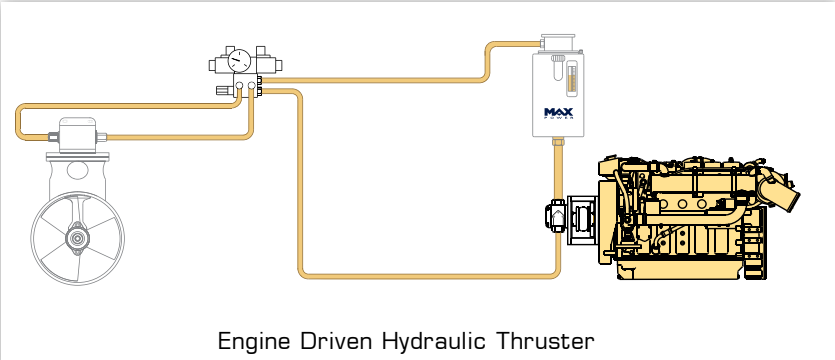
MAX POWER offers stern thruster adapters for the entire tunnel thruster range. A range of Ignition-Protected thrusters is also available, enabling the use of a stern thruster in habitually damp zones.

Electric or Hydraulic Power Source



DC Electric Thruster

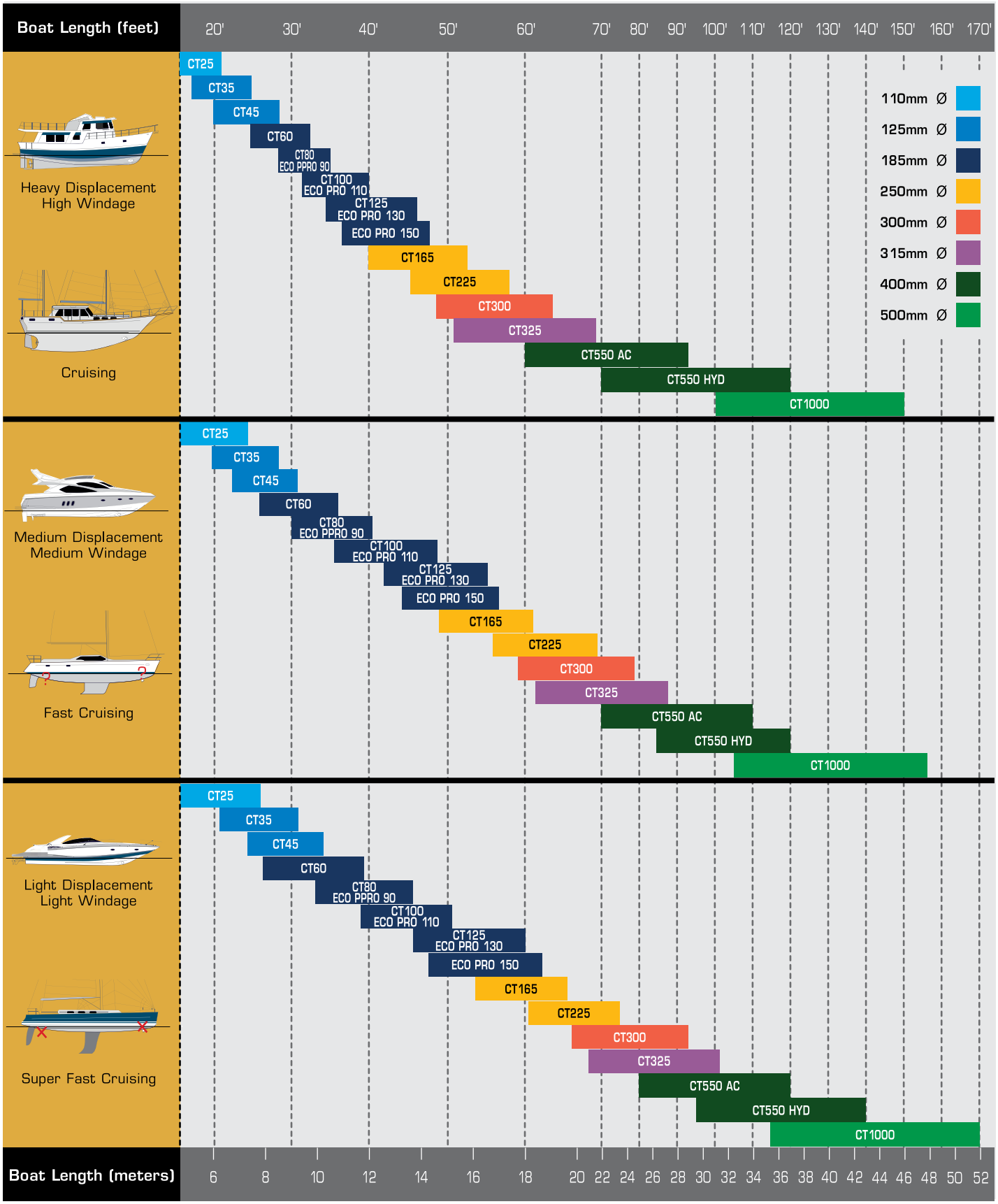
Bow and stern thrusters, whether retractable or tunnel, **require a power source.** On a yacht, this can be either a 12/24 VDC electric motor or a hydraulic motor.



Engine Driven Hydraulic Thruster

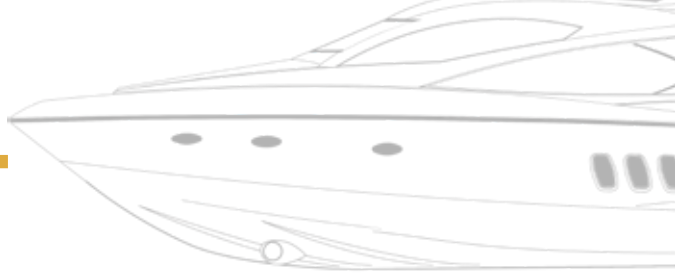
Bow and stern thrusters, whether retractable or tunnel, **require a power source**. On a yacht this can be either a 12/24 VDC electric motor or a hydraulic motor. **The hydraulic motor will need to draw power from a thermal engine (via a hydraulic pump) or a remote mounted DC motor (also via a hydraulic pump). The DC motor will draw power directly from a battery bank as direct electric thrusters do.**

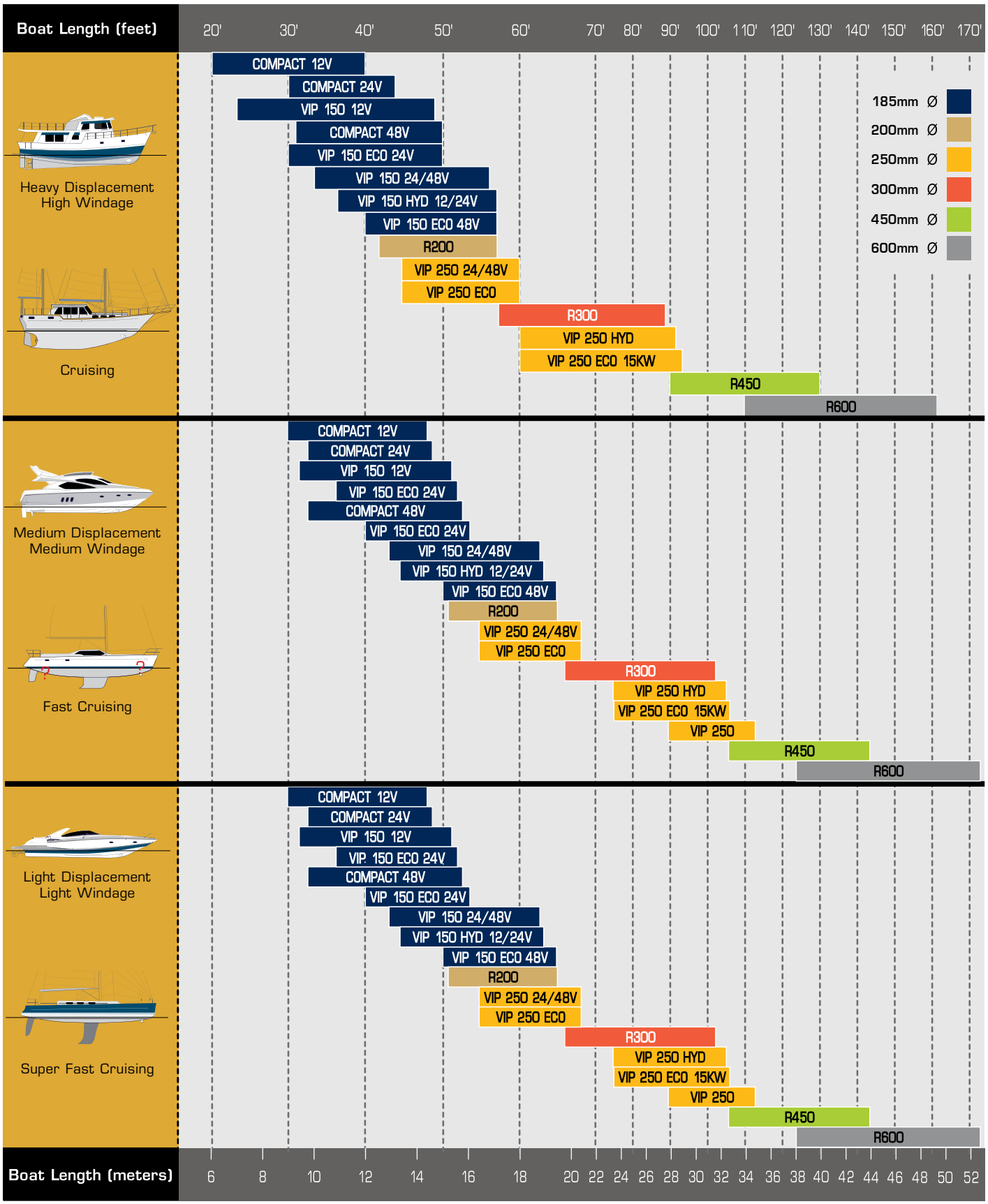
Tunnel Thrusters



* ? X : *Only when required immersion depth is achieved.*

Retractable Thrusters





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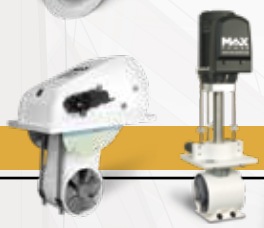
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Hydraulic Retractable Thrusters 28-33



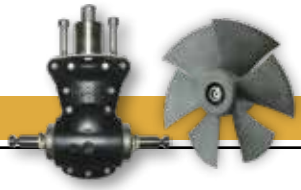
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MAX POWER offers a complete range of DC (12V, 24V and 48V) and AC (400V) **electric tunnel thrusters** to suit motor yachts and deep footed sailing yachts from 17'- 140'. **Designed for maximum performance and durability**, each model is easy to fit, highly cost effective, and integrates a variety of unique features.

- Patented composite drive legs
- Zero maintenance
- Case-hardened spiro-conical gears
- Line shields
- Purpose-built DC motors
- Electronic control boxes for unrivaled safety features
- Safe, high-power connections
- Purpose-built high-specification DC contactors
- Ideal solution for lead acid batteries



High-efficiency purpose-built DC motors ensure outstanding performance and long runtime ratings.



Solid copper contact bars guarantee safe, high-power connections.



Purpose-built high-specification DC contactors are both safe and durable.





Electronic control boxes offer unique and unrivaled safety features.

Bundles are also provided. Check page 10.



Corrosion-free composite drive legs eliminate the need for anodes and offer high manufacturing tolerances.



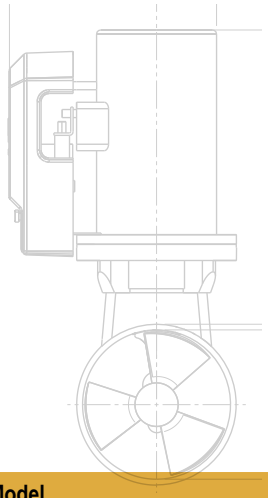
Drive legs are pre-filled with oil and then sealed for life for zero maintenance.



Case-hardened spiro-conical gears guarantee a silent, smooth operation, and a long lifespan.



Stainless Steel protection caps secure the seals from fishing lines.









Model	CT 25	CT 35	CT 45	CT 60		CT 80	
Code	636061	42529	317603	42530	42531	42532	42533
Voltage*	12 V	12 V	12 V	12 V	24 V	12 V	24 V
Max. Thrust at 10% voltage drop (kgf/lbs)**	26 / 57,2	30 / 66	40 / 88	63 / 138,6	65 / 143	75 / 165	83 / 182,6
Max. Thrust at normal voltage (kgf/lbs)**	30 / 66	35 / 77	45 / 99	70 / 154	71 / 158,4	80 / 176	89 / 195,8
Propellers	Mono	Mono	Duo	Mono	Mono	Duo	
Drive Leg (material)	Composite	Composite	Composite	Composite	Composite	Composite	
Power (kw/hp)	1,8 / 2,4	2,69 / 3,6	3,23 / 4,3	4,35 / 5,8	4,4 / 5,9	4,79 / 6,4	5,28 / 7,1
Weight (kg)	7	9.6	9.65	14.7	14.8	15	15.1
A (mm)	180	190	190	210		210	
B (mm)	145	140	140	140		140	
C (mm)	225	210	210	275		275	
D (mm)	110	125	125	185		185	
E (mm)	4 to 5	4 to 5	4 to 5	6 to 7		6 to 7	
Boat Type	**Boat Length (feet/meter)**						
Heavy Displacement, High Windage & Cruising	up to 21' / 6,5 m	17' - 25' / 5,2 - 7,6 m	20' - 28' / 6 - 8,5 m	25' - 32,5' / 7,8 - 10 m		28' - 35' / 6 - 10,6 m	
Medium Displacement, Medium Windage & Fast Cruising	up to 24' / 7,3 m	20' - 28' / 6 - 8,5 m	22,5' - 31' / 6,8 - 9,5 m	26' - 36' / 7,3 - 11 m		30' - 40' / 9 - 12 m	
Light Displacement, Light Windage & Super Fast Cruising	up to 26' / 7,92 m	21' - 31' / 6,4 - 9,5 m	24' - 34' / 7,3 - 10,3 m	27' - 39' / 8,2 - 11,8 m		33' - 46' / 10 - 14m	



Notes: *Images are not to scale.*

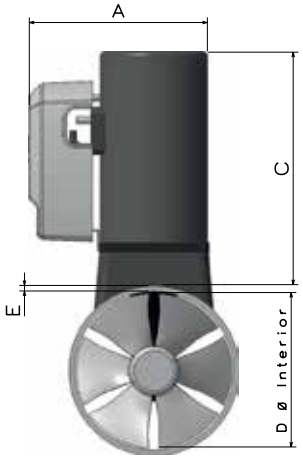
** Thrusters are designed to run at 10,75 V on 12 V units, 22 V on 24 V units or at 45,6 V on 48 V units. Higher voltages will result in higher thrust ratings, higher power consumption, and a reduced duty cycle.*

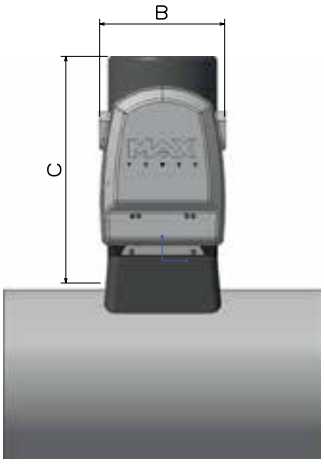
*** Performance data is given for a thruster installed at an immersion depth of one tunnel's diameter, in a tunnel no longer than twice the tunnel's diameter, and this within a variation of + / - 6%. Longer tunnels will result in lower thrust ratings and higher power consumption.*






CT 100	CT 125		CT 165	CT 225		CT 300		CT 325		
42534	42535	636660	317557	317558	317586	317606	636656	42542	634361	636657
12 V	24 V	48 V	24 V	24 V		24 V	48 V	24 V		48 V
96 / 211,2	115 / 253		165 / 363	195 / 429		255 / 561	240 / 529	265 / 583		265 / 584
105 / 231	122 / 268,4		185 / 407	250 / 550		300 / 660	275 / 606	325 / 715		300 / 660
Duo	Duo		Duo	Duo		Duo		Duo		
Composite	Composite		Composite	Composite	Bronze	Bronze		Bronze	Aluminium	Bronze
7,1 / 9,5	8,58 / 11,5		11,88 / 15,9	14,96 / 20		19,7 / 26,4	17,5 / 23,8	19,69 / 26,4		17,5 / 23,8
24	24	24,3	36	37		58.5	64	59		64,5
250	250		250	270		250		250		
200	200		200	200		250		250		
356	365		430	405		478		478		
185	185		250	250		300		315		
6 to 7	6 to 7		7 to 8	7 to 8		9 to 10		9 to 10		
32' - 10' / 9,7 - 12 m	35' - 46' / 10,6 - 14 m		40' - 52' / 12 - 15,8 m	45' - 58' / 13,7 - 17,6 m		48' - 63' / 14,6 - 19 m		51' - 69' / 15,5 - 21 m		
36' - 48' / 11 - 14,6 m	42' - 55,5' / 12,8 - 17 m		48' - 61' / 14,6 - 18,5 m	53' - 69' / 16 - 21 m		59' - 79' / 18 - 24 m		62' - 87' / 19 - 26,5 m		
39' - 51' / 11,8 - 15,5 m	46' - 60' / 14 - 18 m		54' - 65' / 14,5 - 20 m	60' - 75' / 18 - 22,8 m		67' - 93' / 20,4 - 28 m		68' - 100' / 20,7 - 30,5 m		







The electric tunnel CT 300 & CT 325 are delivered complete with control system.



GRP tunnels

Please refer to page 42

Electric Tunnel Thruster Bundles

MAX POWER offers electric tunnel thruster bundles compatible with **CT 25 / CT 35 / CT 45 / CT 80 / CT100 / CT125 electric tunnel thrusters** that feature a powerful, yet compact, twin propeller DC thruster and critical electrical equipment. Ideal for yachts 20'-60'.



Electric Tunnel Thruster CT

&



Joystick Simple



ANL Fuse



ANL Fuse Holder

Code	636422	636421	636264	636263	636267	636265	636266
Thruster	CT 25	CT 35	CT 45	CT 80		CT 100	CT 125
Voltage	12 V	12 V	12 V	12 V	24 V	12 V	24 V
Propellers	Mono	Mono	Duo	Duo	Duo	Duo	Duo
Drive Leg (material)	Composite						
Power (kw/hp)	1,8 / 2,4	2,69 / 3,6	3,23 / 4,3	4,79 / 6,4	5,28 / 7,1	7,1 / 9,5	8,58 / 11,5
Amper	150 A	175 A	175 A	225 A	175 A	400 A	225 A
Thruster Code	636061	42529	317603	42532	42533	42534	42535
Joystick Code	318202						
Fuse Code	636342	636343	636343	636344	636343	636346	636344
Fuse Holder Code	636347						

The MAX POWER CT550 AC Thruster sets the benchmark for precision and reliability, designed to meet the demanding needs of modern marine applications.

Engineered with top-quality parts, the CT550 AC Thruster ensures unmatched durability and performance. Its robust construction guarantees longevity, even in the harshest marine environments.

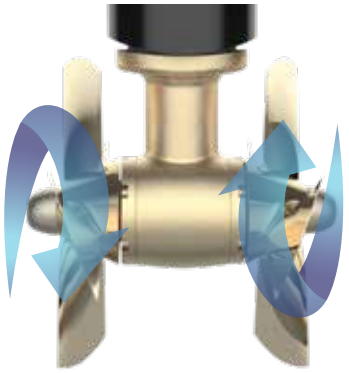


Included



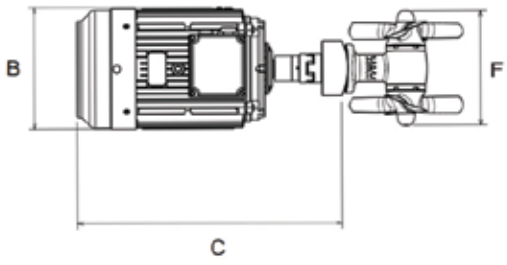
The integration of our advanced inverter system allows proportional control over thrust output. This technology enhances energy efficiency while providing smooth and responsive performance, adapting instantly to varying operational demands.

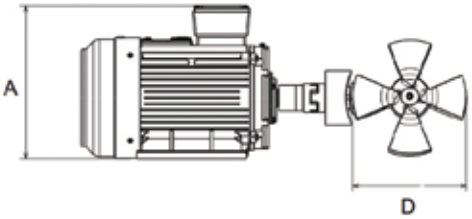
Counter rotating system offers higher efficiency on thrusting with left side and right side pitch propellers in order to have identical performance in both directions.



Counter Rotating

Model	CT 550 AC
Code	600138
Voltage*	380 - 440 V 3ph 50 Hz
Max. Thrust (kgf/lbs)	450 / 992
Propellers	4 Blade, DUO, Counter Rotating
Drive Leg (material)	Bronze
Power (kw/hp)	30 / 40,8
Weight (kg)	300
A (mm)	503
B (mm)	401
C (mm)	875
D (mm)	375
F (mm)	378
Boat Type	**Boat Length (feet/meter)**
Heavy Displacement, High Windage & Cruising	60' - 92' / 18 - 28 m
Medium Displacement, Medium Windage & Fast Cruising	70' - 110' / 21 - 34 m
Light Displacement, Light Windage & Super Fast Cruising	80' - 120' / 25 - 37 m







ECO PROPORTIONAL

- ECO FRIENDLY
- FULLY PROPORTIONAL CONTROL
- UNLIMITED RUNTIME*
- COMPACT AND LIGHTWEIGHT

- Improved performance and efficiency
- Longer lifespan and minimised maintenance
- Smoother and quieter operation, enhancing safety and comfort of crew and passengers
- Eco-friendliness resulting from reduced power consumption
- Compatibility and easy integration into existing thrusters
- Remote troubleshooting
- Ideal solution for lithium and lead acid batteries

**Until the battery runs out*

BACKED BY OUR TEAM OF EXPERTS
for installation, maintenance, and repair services

Included



Proportional Joystick
Precise accuracy
with new joystick

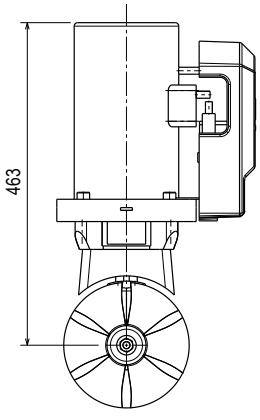


Application
Modern mobile
application for
monitoring

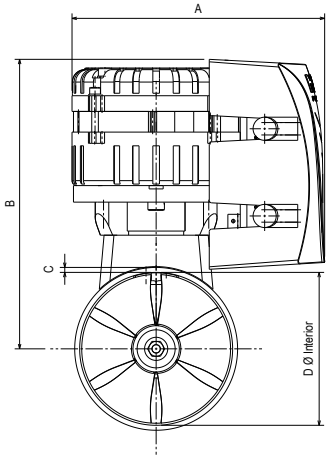


Model	ECO-PRO 90	ECO-PRO 110	ECO-PRO 130	ECO-PRO 150	ECO-PRO 225
Code	**636674**	**636675**	**636676**	**636763**	**636851**
Voltage*	**24 V**	**24 V**	**48 V**	**24 V**	**24 V**
Thrust (Kg)	90	110	130	150	250
Propellers	**Duo**	**Duo**	**Duo**	**Duo**	**Duo**
Drive Leg (material)	**Composite**	**Composite**	**Composite**	**Bronze**	**Bronze**
Power (kw/hp)	**5,3 / 7,1**	**6 / 8**	**8 / 10,7**	**9,5 / 13**	**14,96 / 20**
Weight (kg)	25,7	25,7	25,7	31,4	35,5
A (mm)	306			306	306
B (mm)	350			382	404
C (mm)	6 to 7			7 to 8	7 to 8
D (mm)	185			250	250
Boat Type	**Boat Length (feet/meter)**				
Heavy Displacement / High Windage & Cruising	28' - 35' / 6 - 10,6 m	32 '- 40' / 9,7 - 12 m	35' - 46' / 10,6 - 14 m	37,0' - 48,0' / 11,3 - 14,6 m	45' - 58' / 13,7 - 17,6 m
Medium Displacement / Medium Windage & Fast Cruising	30'- 40' / 9 -12 m	36' - 48' / 11 - 14,6 m	42 '- 55,5' / 12,8 - 17 m	44,0' - 57,5' / 13,4 - 18,0 m	53' - 69' / 16 - 21 m
Light Displacement, Light Windage & Super Fast Cruising	33'- 46' / 10 -14 m	39' - 51' / 11,8 - 15,5 m	46 '- 60' / 14 - 18 m	48,0' - 62,0' / 14,5 - 19,0 m	60' - 75' / 18 - 22,8 m

Conventional Thrusters



ECO PRO





The ECO PROPORTIONAL are delivered complete with 10m CAN-bus cable.



GRP tunnels

Please refer to page 42

Ignition-Protected Thrusters

MAX POWER range of **Ignition-Protected tunnel thrusters** is available for models CT35 to CT 125. **Certified ISO 8846**, this range allows the safe use of an electric tunnel thruster in petrol / gas engine vessels where there may be potentially flammable gases. **IP thrusters can also be installed in habitually wet or damp areas** such as sail lockers, or in the transom of deep "V" shaped motor yachts.

- Ignition-Protected to ISO 8846 and water resistant
- Easy-to-connect thruster
- Patented composite drive leg
- Zero maintenance
- Case-hardened spiro-conical gears
- Line shields
- Purpose-built DC motors
- Electronic control boxes for unrivaled safety features
- Safe, high-power connections
- Purpose-built high-specification DC contactors



Ignition protected and water resistant.



Easy-to-connect thruster. Robust metallic frame.



High-specification electric motors.
See page 7 for full details.





Unique composite drive leg design. See page 8 for full details.



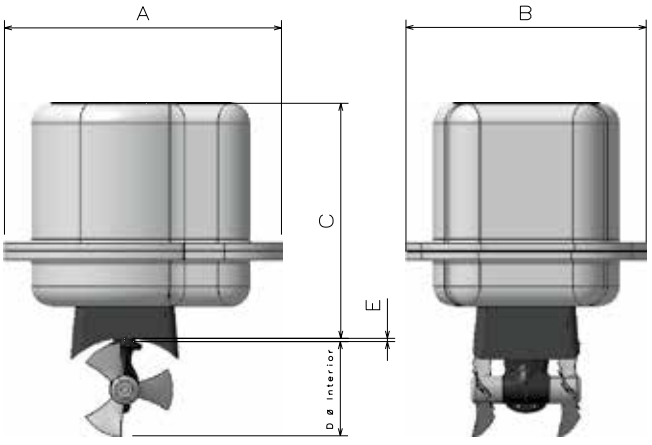
GRP tunnels

Please refer to page 42





Model	CT 35-IP	CT 45-IP	CT 100-IP	CT 125-IP
Code	**317609**	**317610**	**317615**	**317616**
Voltage*	**12 V**	**12 V**	**12 V**	**24 V**
Max. Thrust at 10% voltage drop (kgf/lbs)**	30 / 66	40 / 88	96 / 211,2	115 / 253
Max. Thrust at normal voltage (kgf/lbs)**	35 / 77	45 / 99	105 / 231	122 / 268,4
Propellers	**Mono**	**Duo**	**Duo**	**Duo**
Drive Leg (material)	**Composite**	**Composite**	**Composite**	**Composite**
Power (kw/hp)	2,69 / 3,6	3,23 / 4,3	7,1 / 9,5	8,58 / 11,5
Weight (kg)	11,6	11,65	27,2	27,2
A (mm)	301		390	
B (mm)	230		305	
C (mm)	295		490	
D (mm)	125		185	
E (mm)	4 to 5		6 to 7	
Boat Type	**Boat Length (feet/meter)**			
Heavy Displacement / High Windage & Cruising	17' - 25' / 5,2 - 7,6 m	20' - 28' / 6 - 8,5 m	32' - 10' / 9,7 - 12 m	35' - 46' / 10,6 - 14 m
Medium Displacement, Medium Windage & Fast Cruising	20' - 28' / 6 - 8,5 m	22,5' - 31' / 6,8 - 9,5 m	36' - 48' / 11 - 14,6 m	42' - 55,5' / 12,8 - 17 m
Light Displacement, Light Windage & Super Fast Cruising	21' - 31' / 6,4 - 9,5 m	24' - 34' / 7,3 - 10,3 m	39' - 51' / 11,8 - 15,5 m	46' - 60' / 14 - 18 m



Notes: *Images are not to scale.*
** Thrusters are designed to run at 10,75 V on 12 V units and 22 V on 24 V units. Higher voltages will result in higher thrust ratings, higher power consumption, and a reduced duty cycle.*
*** Performance data is given for a thruster installed at an immersion depth of one tunnel's diameter, in a tunnel no longer than twice the tunnel's diameter, and this within a variation of + / - 6%. Longer tunnels will result in lower thrust ratings and higher power consumption.*

MAX POWER range of **hydraulic tunnel thrusters** is suitable for medium to heavy displacement, high windage vessels from 35'- 170'. **Designed for durability and performance,** hydraulic tunnel thrusters are ideal when long runtimes are required. **Manufactured using corrosion-free components,** these models are robust, water resistant and integrate a variety of unique features.

- Branded hydraulic components
- Long runtimes
- Water resistant
- Patented composite drive legs
- Zero maintenance
- Case-hardened spiro-conical gears
- Line shields
- Electronic control boxes for unrivaled safety features



Branded hydraulic components for international serviceability.



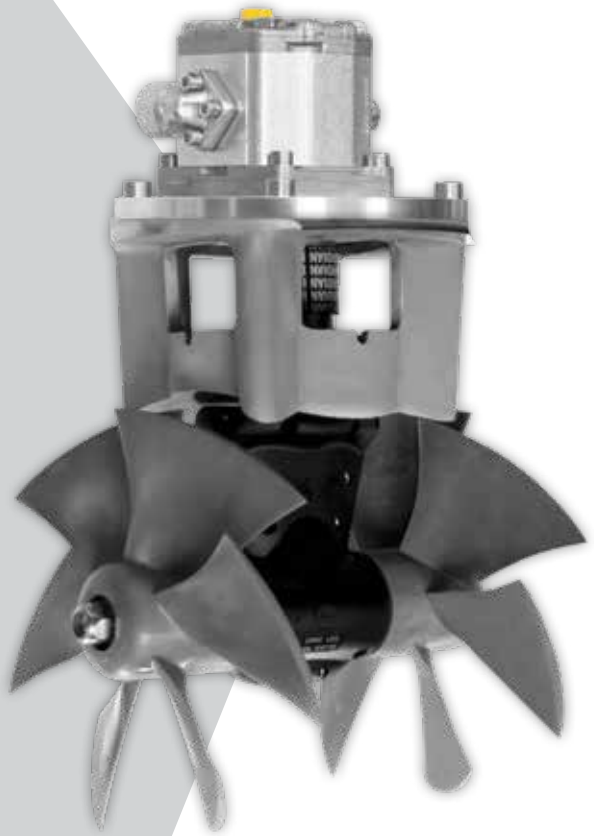
Can be installed in habitually damp areas such as sail lockers.



Unique composite drive leg design.
See page 7 for full details.



Electronic control boxes offer unique and unrivaled safety features.



Model
Code
Max. Thrust (kgf/lbs)
Hydraulic power (kw)
Propellers
Drive Leg (material)
Weight (kg)
A (mm)
B (mm)
C (mm)
D (mm)
E (mm)
Boat Type
Heavy Displacement / High Windage & Cruising
Medium Displacement, Medium Windage & Fast Cruising
Light Displacement, Light Windage & Super Fast Cruising

Optional Accessories for Hydraulic Tunnel Thrusters



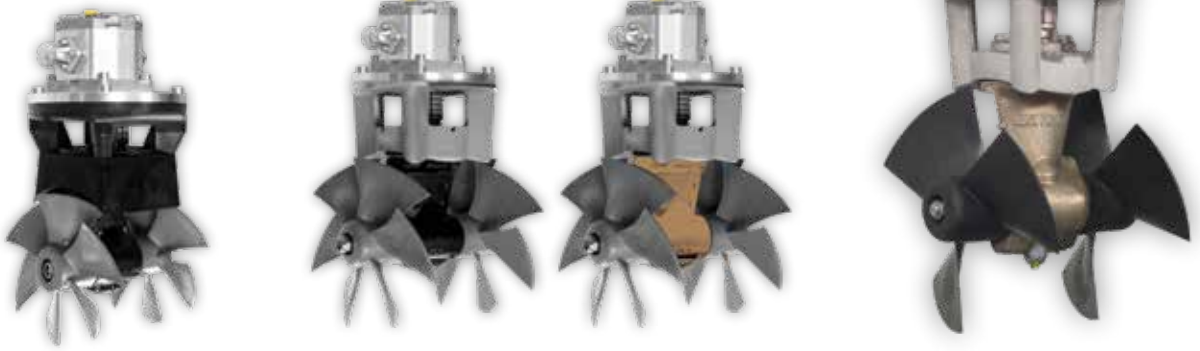
MAX POWER
Electronic Thruster Controller

Code: 315311

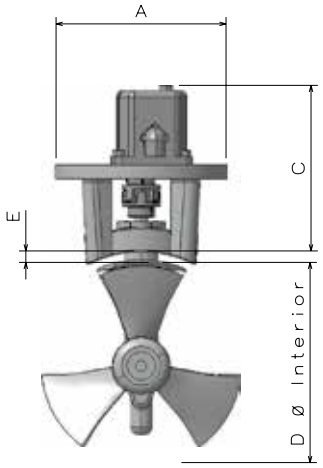
Only for MAX POWER Joystick.... page 34-37

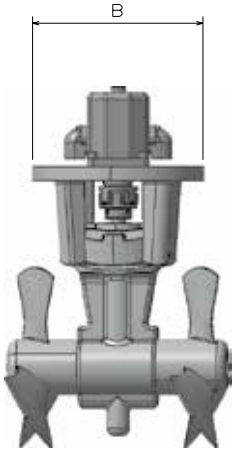


GRP tunnels
Please refer to page 42

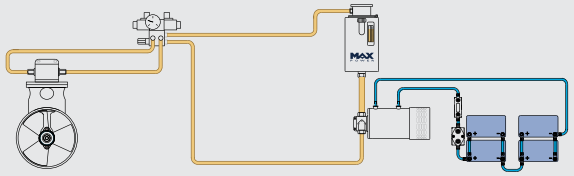


CT 125 HYD			CT 225 HYD		CT 300 HYD	CT 325 HYD	
317588	317590	317589	317591	636762	317607	317598	317599
140 / 308	120 / 264	90 / 198	220 / 441	220 / 441	300 / 529	275 / 551	325 / 606
13,5	11	7,5	13,5	13,5	19,5	14	20
Duo	Duo	Duo	Duo	Duo	Duo	Duo	Duo
Composite	Composite	Composite	Composite	Bronze	Bronze	Bronze	Bronze
12	12	12	19	20	24	24	24
210			220	220	240	240	
210			220	220	240	240	
215			220	220	240	240	
185			250	250	300	315	
6 to 7			7 to 8	7 to 8	9 to 10	9 to 10	
Boat Length (feet/meter)							
35' - 46' / 10,6 - 14 m			45' - 58' / 13,7 - 17,6 m		48' - 63' / 14,6 - 19 m	51' - 69' / 15,5 - 21 m	
42' - 55,5' / 12,8 - 17 m			53' - 69' / 16 - 21 m		59' - 79' / 18 - 24 m	62' - 87' / 19 - 26,5 m	
46' - 60' / 14 - 18 m			60' - 75' / 18 - 22,8 m		67' - 93' / 20,4 - 28 m	68' - 100' / 20,7 - 30,5 m	

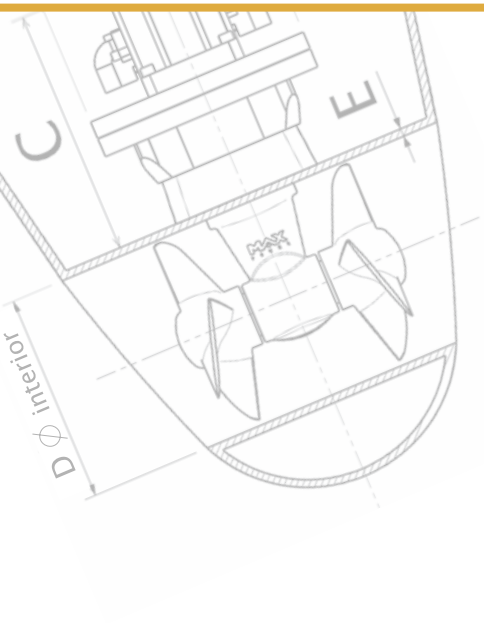




For connection with PTO or stand alone system



Please refer to page 43



The **MAX POWER CT 550 HYD & CT 1000 HYD** are the flagships of **MAX POWER tunnel thrusters** for up to 170' boats.

All immersed parts have a specially designed **hydrodynamic profile** to avoid any turbulence.

The most powerful tunnel thruster in the **D400/D500 tunnel category comes** with **4 blade, metallic propellers** designed by MAX POWER, to guarantee maximum thrust performance.

Counter rotating system offers higher efficiency on thrusting with left side and right side pitch propellers in order to have identical performance in both directions.

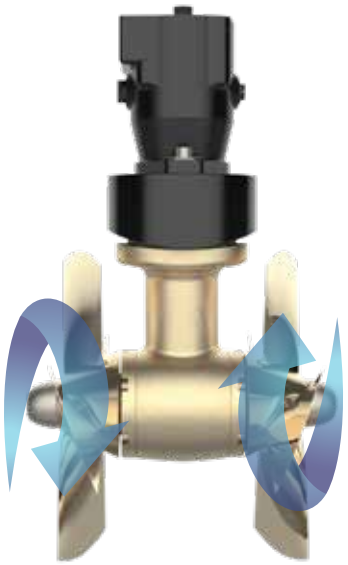


CT 550 HYD



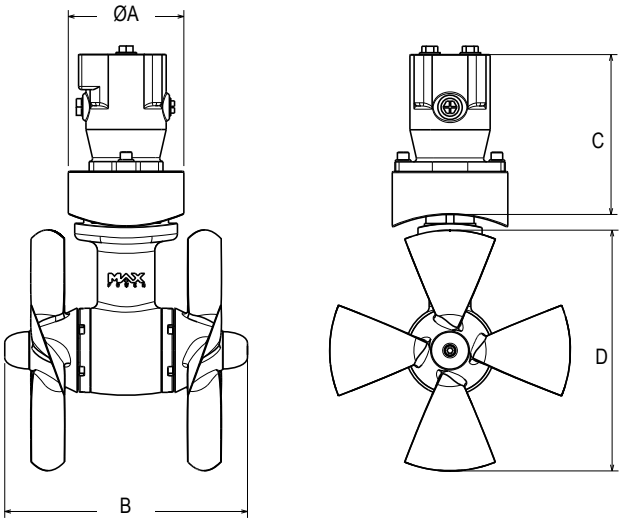
CT 1000 HYD

Model	CT 550 HYD	CT 1000 HYD
Code	**636211**	**636428**
Thruster Power (kw)	min. 46 - max. 49	min. 70 - max. 85
Motor Displacement (cc)	47,10	80,4
Tunnel Diameter (mm)	**400**	**500**
Pressure (BAR):	min. 200 - max. 210	min. 210 - max. 250
Flow (LPM)	140	200
Propellers	**4 Blade, DUO, Counter Rotating**	
Drive Leg (material)	**Bronze**	**Bronze**
Weight (kg)	65	145
Light Duty Thrust (Kgf)	630	1200
Heavy Duty Thrust (Kgf)	550	1000
A (mm)	180	251
B (mm)	378	640
C (mm)	249	322
D (mm)	375	488
Boat Type	**Boat Length (feet/meter)**	
Heavy Displacement / High Windage & Cruising	70 - 120' / 19 - 37 m	100 -150' / 30 - 45 m
Medium Displacement, Medium Windage & Fast Cruising	85 - 125' / 26 - 38 m	105 - 156' / 32 - 47,5 m
Light Displacement, Light Windage & Super Fast Cruising	95 - 140' / 29 - 43 m	115 - 170' / 35 - 52 m



Counter Rotating

Dimensions in mm



Stern Pod Thruster

The MAX POWER Stern Pod offers an **innovative solution** to the often difficult tasks of installing a thruster into the stern of modern motor yachts.

- Combining a dry area on the stern with correct immersion depth and sufficient access can be challenging.
- Designed with these constraints in mind, Stern Pod units can be installed entirely from the outside of the transom, reducing greatly the need for inside access. This allows greater immersion depth to be achieved.
- **The Stern Pod housing is waterproof and ignition protected (ISO 8846),** designed to withstand the corrosive damp atmosphere of the bilge.
- Entirely assembled and tested in our factory, Stern Pod units guarantee long-term trouble-free operation with only minimal maintenance care.



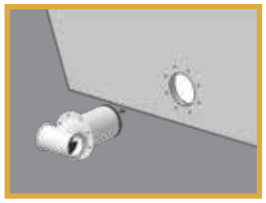
Case-hardened spiro-conical gears.



Ignition protected and water resistant.



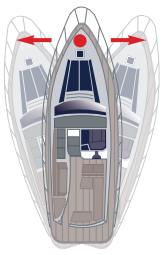
Dual propeller



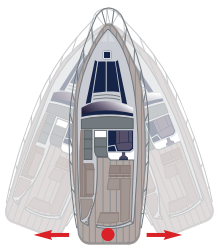
Easy external installation.



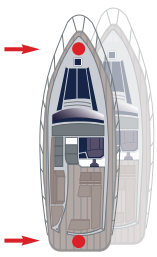
Watertight seals ensure extra protection.



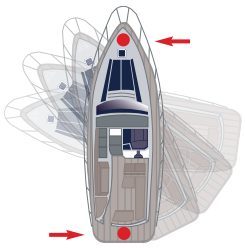
Bow Thruster Only



Stern Thruster Only



Bow & Stern Thrusters



Bow & Stern Thrusters

Code	317625	317628	317629	317630	317631	317632	317633
Model	**CT45**	**CT80**		**CT100**	**CT125**	**CT165**	**CT225**
Boat Size (feet/meter)	20 - 34' / 6 - 10,5 m	28 - 46' / 8,5 - 14 m		32 - 51' / 9,8 - 15,5 m	34 - 59' / 10,5 - 18 m	40 - 66' / 12 - 20 m	46 - 73' / 14 - 22 m
Voltage	12 V	12 V	24 V	12 V	24 V	24 V	24 V
Drive Leg (material)	**Composite**						
Thrust up to	45 kg	69 kg	75 kg	96 kg	115 kg	160 kg	195 kg
Power (kw/hp)	3,2 / 4,3	4,8 / 6,4	5,3 / 7,1	7,1 / 9,5	8,6 / 11,5	11,9 / 15,9	15 / 20
Weight (kg)	21	31	31	41	41	61	61

You can assemble your own Stern Thruster

An alternative solution for installing a stern thruster on your boat is combining the standard CT – tunnel thruster (electric or hydraulic) with the MAX POWER stern adaptor, as shown below:

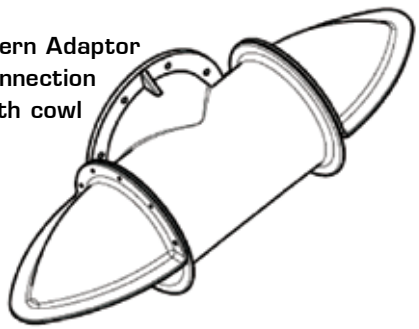
Ø Diameter (mm)	Tunnel Thrusters	Stern Adaptors	
125	 CT 45	 315389	Stern Adaptor fixation kit 35016
185	 CT 80 CT 100 CT 125	 315392	
250	 CT 165 CT 225	 315395	
315	 CT 325	 35015	

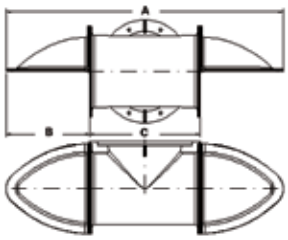




MAX POWER Stern Adaptor Cowls are easily fitted to our Stern Adaptor or Stern Pod and allow the use of stern trusters in relatively shallow draft applications.

Stern Adaptor connection with cowl





Tunnel Ø (mm)	Stern adaptors	Stern adaptor cowls	A (mm)	B (mm)	C (mm)
125	**315389**	**315398**	672	168	336
185	**315392**	**315399**	842	253	336
250	**315395**	-	1019	303	415
315	**35015**	-	390	0	390

Electric Retractable Thrusters

Combining the cost effective simplicity of DC electrics with the **high performance characteristics of retractable units,** this range is ideally suited to modern sailing yachts and super fast motor yachts. MAX POWER offers two different types of electric retractable thrusters: **the low profile Compact Retract™ and the vertically retracting VIP 150 and VIP 250 Electric**, available in 12 V, 24 V and 48 V, catering for yachts from 21'-57' (MAX POWER patented designs).

- Retract to leave smooth hull lines
- When deployed ideal immersion depth is achieved
- Patented composite drive legs
- Zero maintenance
- Case-hardened spiro-conical gears
- Line shields
- Purpose-built DC motors
- Electronic control boxes for unrivaled safety features
- Safe, high-power connections
- Purpose-built high-specification DC contractors
- Ideal solution for lead acid batteries

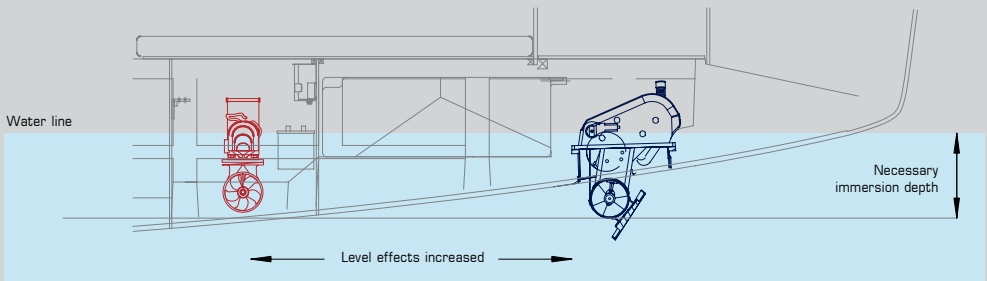
Designed for yachts from 9 to 17,5 metres (21'-57'). This lightweight electric retractable thruster, the first of its kind, has been a major success with shipyards from the start.

- Lightweight composite construction
- Lowest profile and smallest hull opening on market
- Bolted onto flange, not directly laminated into the hull
- Rapid deployment
- No moving parts are exposed inside the yacht
- Intelligent position detection



When retracted, hull lines are left smooth and unaffected.

When deployed, ideal immersion depth is achieved.

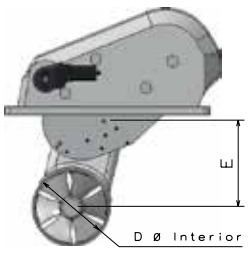


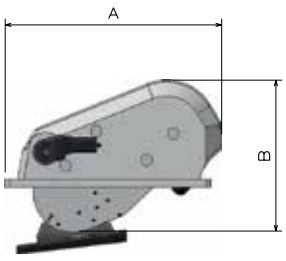
Installed further forward (or aft) in the hull than it is possible with a tunnel thruster, retractable units offer a far better turning moment on the yacht, thus producing greater manoeuvrability.

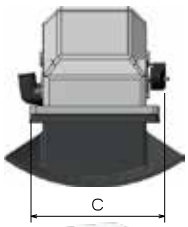




Model	COMPACT RETRACT ™		
Code	**317821**	**317822**	**600128**
Voltage*	**12 V**	**24 V**	**48V**
Max. Thrust (kgf/lbs)	70 / 154	85 / 187	100 / 220
Propellers	**Duo**	**Duo**	**Duo**
Drive Leg (material)	**Composite**	**Composite**	**Composite**
Power (kw/hp)	**4,79 / 6,4**	**5,28 / 7,1**	**6 / 8,16**
Weight (kg)	40	40	40
A (mm)	555		
B (mm)	388		
C (mm)	385		
D (mm)	185		
E (mm)	241		
Boat Type	**Boat Length (feet/meter)**		
Heavy Displacement, High Windage & Cruising	21' - 40' / 9 - 12 m	35' - 45' / 10,5 - 13,5 m	41' - 51' / 12,5 – 15,5 m
Medium Displacement, Medium Windage & Fast Cruising	35' - 44' / 10,5 - 13 m	39' - 50' / 11,5 - 15 m	44' - 56' / 13,5 - 17 m
Light Displacement, Light Windage & Super Fast Cruising	36' - 47' / 11 - 14 m	40' - 51' / 12 - 15,5 m	46' - 57' / 14 – 17,5 m









Mounting Base

Code: 311362 Aluminium Flange

Code: 313760 GRP Mounting Base



The compact retract is delivered along with black joystick and support.

Notes: *Images are not to scale.*

** Thrusters are designed to run at 10,75 V on 12 V units, 22 V on 24 V units or at 45,6 V on 48 V units. Higher voltages will result in higher thrust ratings, higher power consumption, and a reduced duty cycle.*

*** Performance data is given for a thruster installed at an immersion depth of one tunnel's diameter, in a tunnel no longer than twice the tunnel's diameter, and this within a variation of + / - 6%. Longer tunnels will result in lower thrust ratings and higher power consumption.*

MAX POWER vertically retracting VIP thrusters use a unique and patented thrust plate design. The **VIP 150 electric thruster** in the MAX POWER range, is available in 12 V, 24 V and a new 48 V variant. Additionally, the **VIP 250**, is available in 24 V and 48 V and both are ideally suited to high performance sailing yachts and super fast motor yachts 21'-51'. Ideal solution for lead acid batteries.





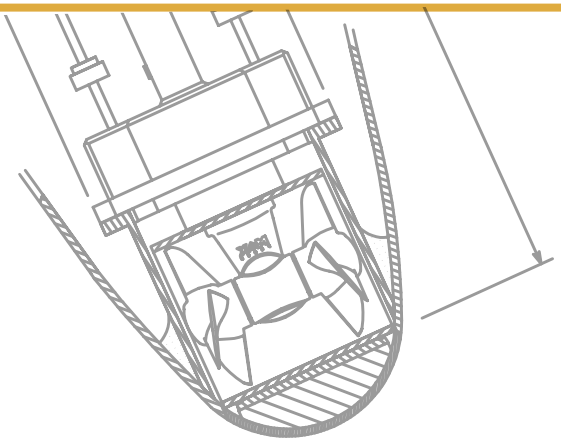
High-specification electric motors.
See page 7 for details.



Unique composite drive leg design.
See page 7 for details.



The VIP 150 & VIP 250 are delivered complete with black joystick, control box and 25 m control system cable.







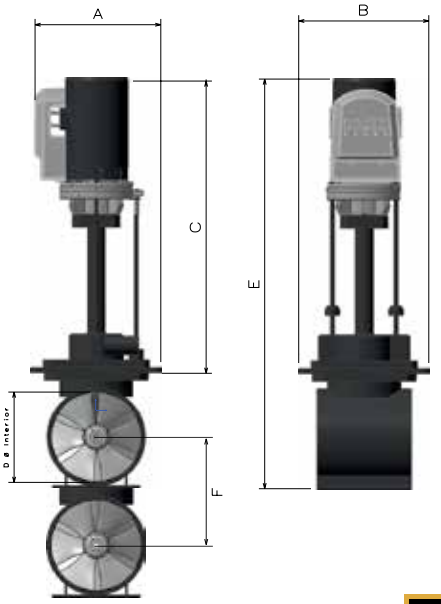
Model	VIP 150 ELECTRIC			VIP 250 ELECTRIC		
Code	**35023**	**35024**	**636661**	**35043**	**636046**	**601009**
Voltage*	**12 V**	**24 V**	**48 V**	**24 V**		**48 V**
Max. Thrust (kgf/lbs)	96 / 212	115 / 254	122 / 268,4	145 / 319	250 / 550	145 / 319
Propellers	**Duo**			**Duo**		
Drive Leg (material)	**Composite**	**Composite**	**Composite**	**Bronze**	**Bronze**	**Bronze**
Power (kw/hp)	**7,1 / 9,5**	**8,56 / 11,5**	**8,56 / 11,5**	**9,5 / 12,74**	**15 / 20**	**9,5 / 12,74**
Weight (kg)	40	40	40,3	54	65	54
A (mm)	330			360		
B (mm)	290			360		
C (mm)	710			765		
D (mm)	185			250		
E (mm)	970			1075		
F (mm)	240			295		

Boat Type	Boat Length (feet/meter)	
Heavy Displacement, High Windage & Cruising	21' - 40' / 9 - 12 m	49' - 65' / 15 - 20 m
Medium Displacement, Medium Windage & Fast Cruising	35' - 44' / 10,5 - 13 m	52' - 72' / 16 - 22 m
Light Displacement, Light Windage & Super Fast Cruising	36' - 47' / 11 - 14 m	55' - 80' / 17 - 25 m

Mounting Base



	VIP 150	VIP 250
Aluminium Flange	**Code: 35025**	**Code: 311303**
GRP Mounting Base	**Code: 35026**	**Code: 635663**



Notes: *Images are not to scale.*
** Thrusters are designed to run at 10,75 V on 12 V units, 22 V on 24 V units or at 45,6 V on 48 V units. Higher voltages will result in higher thrust ratings, higher power consumption, and a reduced duty cycle.*
*** Performance data is given for a thruster installed at an immersion depth of one tunnel's diameter, in a tunnel no longer than twice the tunnel's diameter, and this within a variation of + / - 6%. Longer tunnels will result in lower thrust ratings and higher power consumption.*



VIP ECO PROPORTIONAL

- ECO FRIENDLY
- FULLY PROPORTIONAL CONTROL
- UNLIMITED RUNTIME*
- COMPACT AND LIGHTWEIGHT

- Slightly reduced height due to brushless motor
- Immediate retraction / deployment as soon as the thruster is activated / deactivated
- Smart RPM reduction in cases of undervoltage
- Undervoltage / overvoltage limits being set to 65%/ 150% offering uninterrupted operation
- CAN Bus protocol
- Bronze drive leg ensuring strength and smooth operation (VIP 250 model only)
- Ideal for lithium and lead acid batteries

**Until the battery runs out*

BACKED BY OUR TEAM OF EXPERTS
for installation, maintenance, and repair services

Included

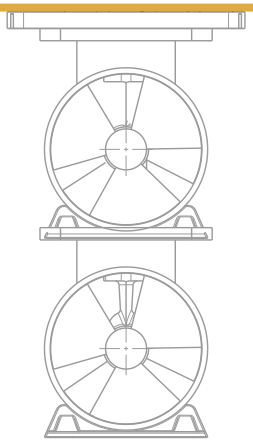


Proportional Joystick

Precise accuracy with new joystick



Application
Modern mobile application for monitoring

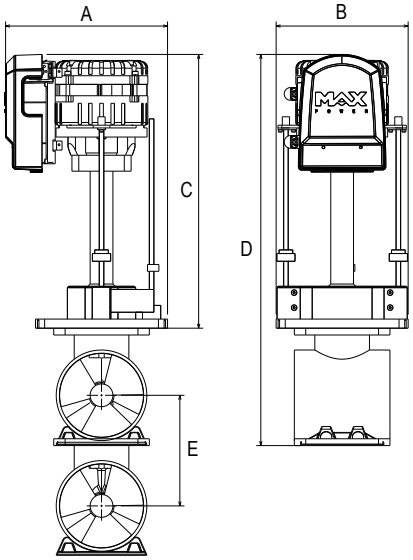






Model	VIP 150 ECO		VIP 250 ECO			
Code	636764	600126	636765	600127	636839	636827
Voltage (V)	24	48	24	48	24	48
Thrust (Kg)	110	130	145	145	250	250
Propellers	Duo	Duo	Duo	Duo	Duo	Duo
Drive Leg (material)	Composite		Bronze		Bronze	
Power (KW/hp)	6 / 8	8 / 10,7	9 / 12		15 / 20	15 / 20
Tunnel Ø (mm)	185		250		250	
Weight (kg)	47	47	58	58	58	58
A (mm)	356		391		391	
B (mm)	290		360		360	
C (mm)	602		653		713	
D (mm)	860		970		1030	
E (mm)	240		295		295	

Boat type	Boat Length (Feet / Metres)			
Heavy Displacement / High Windage & Cruising	30' - 40' / 9 - 12 m	33' - 43' / 10 - 13 m	47' - 60' / 14 - 18 m	60' - 90' / 18' - 27' m
Medium Displacement / Medium Windage & Fast Cruising	35' - 44' / 10,5 - 13 m	38' - 48' / 11,5 - 14 m	50'- 63' / 15 - 19 m	74' - 100' / 22' - 30' m
Light Displacement / Light Windage & Super Fast Cruising	36' - 47' / 11 - 14 m	39' - 51' / 11,8 - 15,5 m	54' - 72' / 16 - 22 m	77' - 105' / 23' - 32' m



Mounting Base



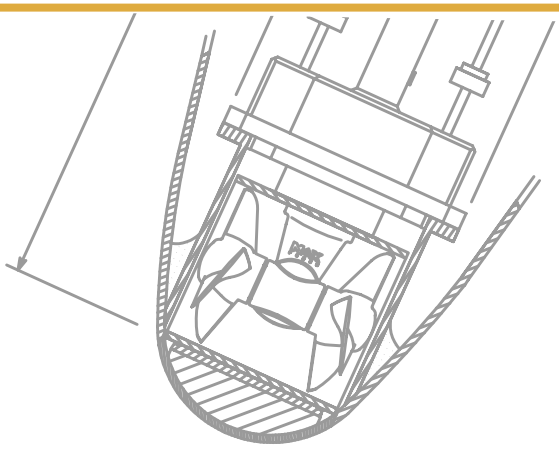
	VIP 150 ECO	VIP 250
Aluminium Flange	Code: 35025	Code: 311303
GRP Mounting Base	Code: 35026	Code: 635663



The VIP ECO PROPORTIONAL are delivered complete with closing plate & 15m CAN-bus cable.

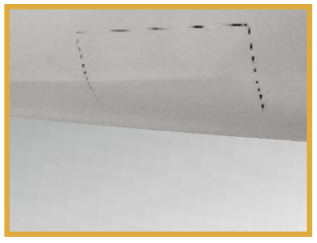
Notes: *Images are not to scale.*
** Thrusters are designed to run at 22 V on 24 V units or at 45,6 V on 48 V units. Higher voltages will result in higher thrust ratings, higher power consumption, and a reduced duty cycle.*
*** Performance data is given for a thruster installed at an immersion depth of one tunnel's diameter, in a tunnel no longer than twice the tunnel's diameter, and this within a variation of + / - 6%. Longer tunnels will result in lower thrust ratings and higher power consumption.*

Hydraulic Retractable Thrusters

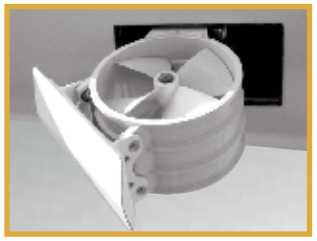


When performance is paramount, Hydraulic Retractable Thrusters are the ideal solution. Lightweight, powerful and allowing near perfect weight distribution, prestigious boatbuilders have consistently trusted MAX POWER thrusters over the years. MAX POWER offers two product ranges in this family: **the vertically retracting VIP HYD range and the top-end Retract™ folding series.**

- Retract to leave smooth hull lines
- When deployed, ideal immersion depth is achieved
- Water resistant
- Allow ideal weight distribution
- Ideal for high-performance yachts
- Unique patented thrust plate design (VIP)
- Unique patented folding movement (RetractTM)
- Case-hardened spiro-conical gears
- Lightweight design



When retracted, hull lines are left smooth and unaffected.

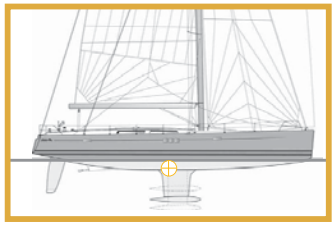


When deployed, ideal immersion depth is achieved.

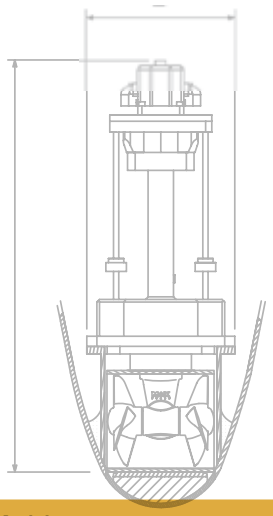




Can be installed in habitually damp areas such as sail lockers.



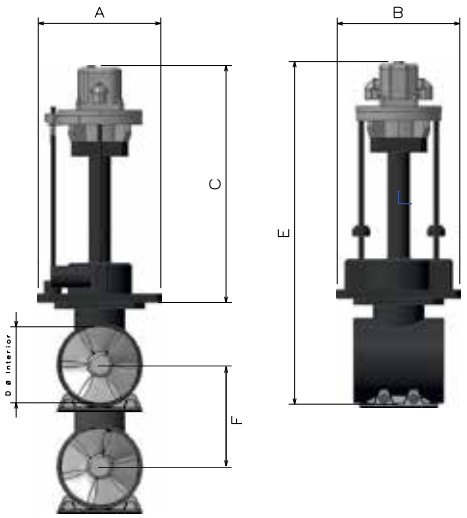
Allow ideal weight distribution in high performance yachts.







Model	VIP 150 HYD		VIP 250 HYD
Code	**317702**	**317703**	**317705**
Voltage	**12 V** control	**24 V** control	**24 V** control
Max. Thrust (kgf/lbs)	120 / 264		200 / 441
Propellers	**Duo**		**Duo**
Drive Leg (material)	**Composite**	**Composite**	**Bronze**
Hydraulic Power (kw)	**10**		**13,5**
Weight (kg)	28		37
A (mm)	290		360
B (mm)	290		360
C (mm)	580		620
D (mm)	185		250
E (mm)	810		950
F (mm)	240		295
Boat Type	**Boat Length (feet/meter)**		
Heavy Displacement, High Windage & Cruising	40' - 50' / 12 - 15 m		50' - 65' / 15 - 20 m
Medium Displacement, Medium Windage & Fast Cruising	45' - 55' / 14 - 17 m		54' - 75' / 16,5 - 23 m
Light Displacement, Light Windage & Super Fast Cruising	48' - 60' / 14,5 - 18 m		57' - 80' / 17 - 24 m

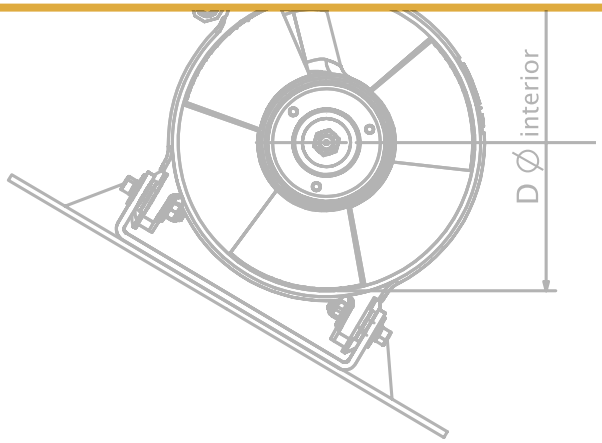




The VIP HYD is delivered complete with black joy-stick, 25 m cable and control box.

Notes: Images are not to scale
**Performance data is given for a thruster deployed at one tunnel diameter immersion depth, and this within a variation of + / - 6%.*
For more in-depth information on this range, please visit our website: **www.max-power.com**

R Range



R200/6 - R200/8 Benefiting from a control system redesign, the R200 is the smallest model in the MAX POWER Retract™ range. Designed for top-end production boats, this hydraulic retractable thruster has long been installed in prestigious yachts ranging from 45' - 68'.

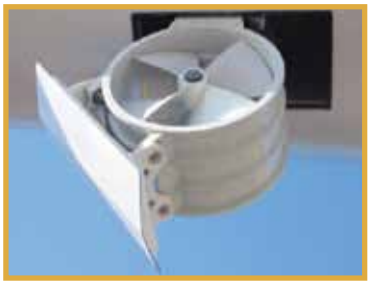
R300/15 - R300/21 Newly redesigned, the R300 now benefits from evolutions already pioneered on the R450. Both light & powerful, this unit has been consistently specified by designers around the world for many years and is ideal for yachts from 60'- 104'.

R450/34 - R450/40 - R450/50 Light & robust, this thruster unit has been designed specifically for performance yachts, both sail & motor from 80'- 136'.
With positive locking and a unique gas spring lifting system, the R450 can withstand the pounding that offshore performance boats endure.

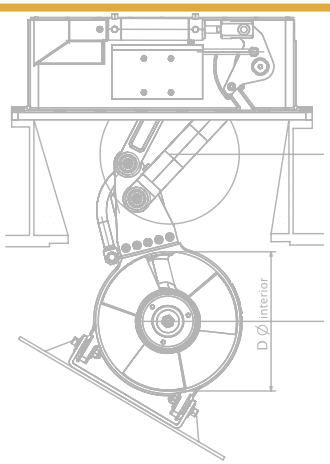
R600 An ingenious design makes this thruster the lightest and arguably the safest 100 HP retractable thruster available. With a locking system inspired by aircraft cargo doors, and thrust transfer pads to transmit load to the hull, performance is first and foremost with this unit, ideal for yachts from 100'- 167'.







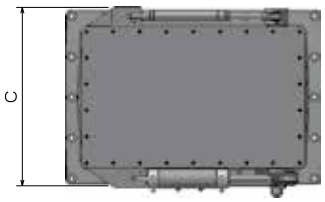


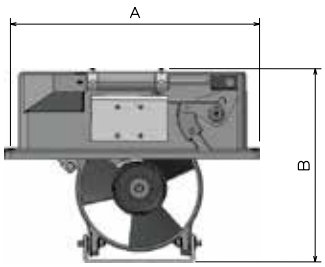


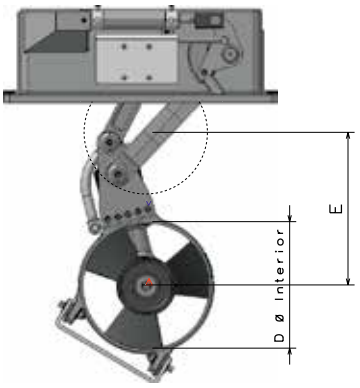




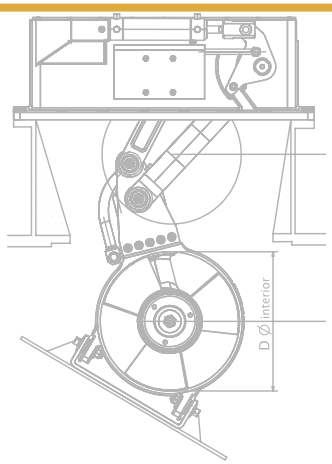
Model	R 200/6	R 200/8	R 300/15	R 300/21
Code	**317803**	**317804**	**317810**	**317811**
Power ratings (hp)	10 / 17		20 / 34	
Thrust	10 kgf per kw		11 kgf per kw	
Max. Hydraulic Power (kw)	13		25	
Power Pack Options	PTO & 24V		PTO & 24V	
Hydraulic Motor	Piston		Piston	
Opening/closing Mechanism	Electric & Manual		Hydraulic & Gas Spring	
Propellers	**Duo, 2 blades**		**Duo, 3 blades**	
Weight (kg)	35		73	
A (mm)	500		665	
B (mm)	355		500	
C (mm)	320		450	
D (mm)	200		300	
E (mm)	255		360	
Boat Type	**Boat Length (feet/meter)**			
Heavy Displacement, High Windage & Cruising	45' - 56' / 14 - 17 m		60' - 85' / 18 - 26 m	
Medium Displacement / Medium Windage & Fast Cruising	49' - 61' / 15 - 18,5 m		77' - 95' / 23,5 - 29 m	
Light Displacement, Light Windage & Super Fast Cruising	53' - 69' / 16 - 21 m		75' - 104' / 23 - 32 m	







Hydraulic Retractable Thrusters







Model	R 450/34	R 450/40	R 450/50	R 600
Code	**317813***	**317814***	**317912***	**317819***
Power ratings (hp)	50 / 65 / 80			75 / 110
Thrust	11 kgf per kw			11 kgf per kw
Max. Hydraulic power (kw)	57			85
Power Pack Options	PTO			PTO
Hydraulic Motor	Piston			Piston
Opening/closing Mechanism	Hydraulic & Gas Spring			Twin Hydraulic
Propellers	**Duo, 5 blades**			**Mono, 4 blades**
Weight (kg)	165			320
A (mm)	940			1210
B (mm)	748			967
C (mm)	460			985
D (mm)	450			600
E (mm)	540			772
Boat Type	**Boat Length (feet/meter)**			
Heavy Displacement, High Windage & Cruising	80' - 110' / 24 - 33,5 m			100' - 140' / 30,5 - 43 m
Medium Displacement, Medium Windage & Fast Cruising	90' - 125' / 27,5 - 38 m			110' - 150' / 33,5 - 46 m
Light Displacement, Light Windage & Super Fast Cruising	100' - 138' / 30,5 - 42 m			125' - 165' / 38 - 50 m

Custom Services

- Several versions of each Retract™ model are available.
- Hydraulic flow and pressure can be customised to suit hydraulic system specifications.
- Many of the larger units in this range are manufactured to order. Specified by designers and architects alike, these technically superior retractable units are supplied to many of the world's finest custom yacht builders.
- For more in-depth information on this range, please visit our website: **www.max-power.com**

**For further details on full package units, assemblies and components, please refer to next page*

RETRACT RANGE: FULL PACKAGE UNITS, ASSEMBLIES & COMPONENTS

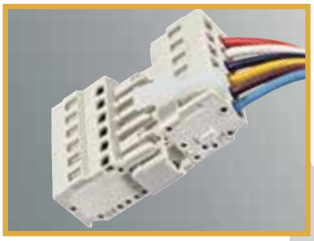
Model	Code	HP	FLOW	PRESSURE	MOTOR
R200/6	317803	10	22 lpm	200-240 bar	6 cc
R200/8	317804	17	30 lpm	230-250 bar	8 cc
R300/15	317810	20	28-32 lpm	220-260 bar	15 cc
R300/21	317811	34	45-55 lpm	230-270 bar	21 cc
R450/34	317813	50	110 lpm	200 bar	34 cc
R450/40	317814	65	140 lpm	200 bar	40 cc
R450/50	317912	80	170 lpm	200 bar	50 cc
R600	317819	110	200 lpm	250 bar	60 cc

	Code	Description
Full Package Units	**317801**	RETRACT R200/6 24V (Complete Package)
	317802	RETRACT R200/8 24V (Complete Package)
	317807	RETRACT R300/15 ELECTRO PUMP 24V (Complete Package)
	317809	RETRACT R300/21 ELECTROHYDRO (Excludes Electro-pump)
R200/6 Package includes 317801	**317803**	THRUSTER ASSEMBLY R200/6
	312950	ELECTRONIC CONTROLLER VIP/R200
	318224	JOYSTICK VIP & RETRACT GREY | **75893** JOYSTICK 4 DIRECTIONS BLACK
	316504	MAX POWER DISTRIBUTION BLOCK
	313456	TANK 8Ltr WHITE COMPLETE (filter etc.)
	316511	ELECTROPUMP BK8/8.5cc
	312948	MARINE CABLE, TINNED, 10x0,5mm², BLACK
R200/8 Package includes 317802	**317804**	THRUSTER ASSEMBLY R200/8
	312950	ELECTRONIC CONTROLLER VIP/R200
	318224	JOYSTICK VIP & RETRACT GREY | **75893** JOYSTICK 4 DIRECTIONS BLACK
	316504	MAX POWER DISTRIBUTION BLOCK
	313456	TANK 8Ltr WHITE COMPLETE (filter etc.)
	317904	ELECTRO HYDRAULIC PUMP BK13/11cc
	312948	MARINE CABLE, TINNED, 10x0,5mm², BLACK
R300/15 Package includes 317807	**317810**	THRUSTER ASSEMBLY R300/15
	633652	ELECTRONIC CONTROLLER R300
	318226	JOYSTICK BLACK FOR R300/R450 | **70880** JOYSTICK 4 DIRECTIONS BLACK
	316501	MAX POWER DISTRIBUTION BLOCK
	313450	TANK 12Ltr WHITE COMPLETE (filter etc.)
	317905	ELECTRO HYDRAULIC PUMP BK14/11cc
	316515	LIFTING PUMP R300 (> 2007)
	312948	MARINE CABLE, TINNED, 10x0,5mm², BLACK
R300/21 Package includes 317809	**317811**	THRUSTER ASSEMBLY R300/21
	633652	ELECTRONIC CONTROLLER R300
	318226	JOYSTICK BLACK FOR R300/R450 | **70880** JOYSTICK 4 DIRECTIONS BLACK
	316501	MAX POWER DISTRIBUTION BLOCK
	316515	LIFTING PUMP R300 (> 2007)
	312948	MARINE CABLE, TINNED, 10x0,5mm², BLACK
Thruster Assemblies	**317813**	RETRACT R450/34 (Thruster Assembly ONLY)
	317814	RETRACT R450/40 (Thruster Assembly ONLY)
	317912	RETRACT R450/50 (Thruster Assembly ONLY)
	317819	RETRACT R600/60 (Thruster Assembly ONLY)
317813 R450/34, 317814 R450/40 & 317912 R450/50 Additional Components	**316515**	LIFTING PUMP R450
	633652	ELECTRONIC CONTROLLER R450
	318226	JOYSTICK BLACK FOR R300/R450 | **70880** JOYSTICK 4 DIRECTIONS BLACK
	312948	MARINE CABLE, TINNED, 10x0,5mm², BLACK
317819 R600/60 Additional Components	**313352**	POWER LIFT R600 (3Ph 380/400V 50Hz)
	318226	JOYSTICK BLACK FOR R300/R450 | **70880** JOYSTICK 4 DIRECTIONS BLACK
	636543	ELECTRONIC CONTROLLER R600
	636748	POWER LIFT R600 (1Ph 220V 50Hz)
	312948	MARINE CABLE, TINNED, 10x0,5mm², BLACK

Control Panels & Remote Controls

All control panels are **specially designed for use with MAX POWER complete range** of tunnel and retractable thrusters. Fitted using a simple hole saw cut-out, panels are easy to install and benefit from a simple and easily replaceable weatherproof clip-on cover. **Each panel is complete with both male and female connectors using a reusable connection system.**

- Available in black or grey
- Water resistant
- Easy to fit
- Replaceable clip-on cover
- Safety features
- Control panels



Reusable connections.



Easy to fit.



Easy to replace clip-on cover.









MAX POWER's thruster control systems are childproof and incorporate unique safety features.

The control system software monitors for incoherent signals, stray voltage, and abnormally long thrust signals in order to help protect against malfunctions caused by water ingress and short circuits. Visual and audio alarms provide a 10 second warning before the overheat shutdown function is activated. If left idle for thirty minutes, the system switches itself off automatically.

Designed with technical details such as independent control power supply (protects relays against damage due to low voltage), and standard remote electric battery isolator control, MAX POWER system is clearly ahead of the competition. These effective mechanisms ensure that your MAX POWER thruster is both safe and reliable thus guaranteeing peace of mind onboard.

- Childproof activation
- Automatic shutdown after 30 minutes of inactivity
- Visible and audible motor overheat warning
- Motor overheat shutdown after prior warning
- Standard automatic battery isolator control
- Time delay switch between port and starboard thrust
- Software protection against short circuits

MAX POWER strongly recommends the installation of an automatic battery isolator device when installing thruster systems.

Joysticks 2 or 4 directions



75892



75893



70880

- Modern **total black design**, with glossy and matte finish
- **User-friendly interface** with simplified controls - just one button and a responsive 2 or 4 direction joystick, making navigation effortless for every user
- **Sleek unified body**, with no separate clip-on covers
- **Built-in status indication LEDs** for all tunnel & retractable thrusters, keeping your cockpit clean and stylish
- IP67-rated to withstand the harshest marine environments
- Shorter joystick knob design minimises accidental thrusts, ideal for sailing boats
- Sturdy metallic buttons with elegant LED rings

Model	Joysticks 2 directions	Joysticks 4 directions	
Code	**75892**	**75893**	**70880**
Colour	**Black**	**Black**	**Black**
Compatibility	Tunnel Thrusters	Retractable Thrusters	Hydraulic Retractable Thrusters R300 & R450
Dimensions (mm)	75 x 109	75 x 109	75 x 109

To replace the existing codes 72635, 3 18202, 3 18203, 3 18206, 3 18224, 3 18226, a new drilling on the cockpit is mandatory since the dimensions differ.

Proportional Joystick



Model	Single	Double
Code	**636774**	**636798**
Colour	**Black**	**Black**
Compatibility	ECO & VIP ECO PRO	
Dimensions (mm)	Ø 78	Ø 78



Code	600139
Colour	**Black**
Compatibility	Tunnel Thrusters CT 550 AC
Dimensions (mm)	80 x 100

Waterproof Rating IP67







Model	Touch Panel		Joystick Simple		Joystick Double	
Code	318200	318201	318202	318203	318204	318205
Colour	Black	Grey	Black	Grey	Black	Grey
Compatible with	All tunnel thrusters		All tunnel thrusters		All tunnel thrusters	
Dimension (mm)	65 x 65		65 x 65		65 x 117	









Model	Touch Panel Double	Joystick		Joystick Simple	Control Panel Boat
Code	318233	318206	318224	318226	318234
Colour	Black	Black	Grey	Black	Black
Compatible with	All retractable thrusters, in combination with 318204 - 318205 - 318234	Compact Rectract, all VIP & R200		R300 & R450	Combined use of a bow and stern thruster
Dimensions (mm)	65 x 117	65 x 117		65 x 117	65 x 117









Model	Double Joystick & Panel Pack		Double Boat & Panel Pack	
Code	74385	74344	74386	74345
Colour	Black		Black	
Compatible with	Compact Rectract, all VIP & R200	R300 & R450	Compact Rectract, all VIP & R200	R300 & R450

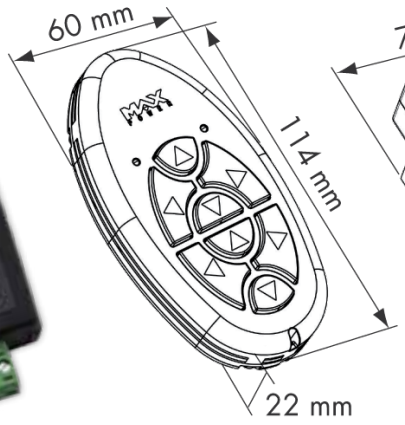


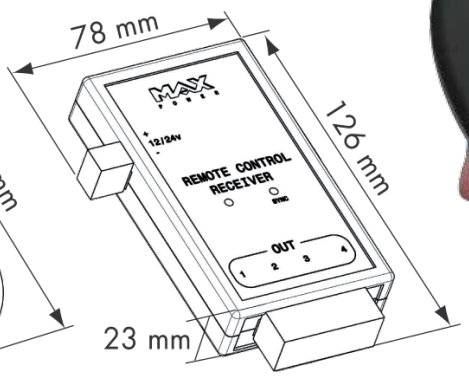
Radio Remote Controls

MAX POWER Radio Remote Control is designed to work with our entire range of tunnel and retractable thrusters. The remote control can also be used to operate additional onboard equipment such as windlasses, passerelles, cranes, etc.

- Transmitter rated IP67
- Supports up to 8 independently control channels
- Each receiver can switch 4 channels (12/24 V -2 A)
- Each transmitter can handle 2 receivers (8 channels)
- Digital recognition avoids accidental activation of other systems
- Zero power consumption when in standby mode (transmitter)
- Easy to install and set up, simple to use









Code	312973	312974	312971	312972	312969	312970	636823
Description	**Transmitter & Receiver (EU)**	**Transmitter & Receiver (USA)**	**Additional Receiver (EU)**	**Additional Receiver (USA)**	**Spare Transmitter (EU)**	**Spare Transmitter (USA)**	**For ECO PRO/VIP**
Frequency (MHz)*	**868**	**915**	**868**	**915**	**868**	**915**	**868**
Number of buttons (Transmitter)	**8**	**8**	**-**	**-**	**8**	**8**	**8**
Voltage	12 - 24 VDC (Receiver)		12 - 24 VDC		2 pcs of 3 V size CR2430		Rechargable
Operative Temperature	-10:+60						-10:+60
IP Rating (Transmitter)	67	67	-	-	67	67	67
Max. Contacts Amperage (A) (Receiver)	2	2	2	2	2	2	2
Weight (g)	310	310	100	100	85	85	85
Dimensions (mm)	114 x 60 x 22 (Transmitter) 126 x 78 x 23 (Receiver)		126 x 78 x 23		114 x 60 x 22		114 x 60 x 22

** 868 MHz is the authorised frequency for Europe and Australia. 915 MHz is the authorised frequency for Canada and the USA. Retail sales and use of non-authorised frequency transmitters and receivers is prohibited. For all other countries please consult the local regulation in force.*

Tinned Copper
marine grade wires and cables

CE

MAX POWER understands the importance of high quality, reliable electrical marine grade wires and cables. In both wet and dry conditions, marine cables need to behave consistently in order to perform properly. That is why **MAX POWER** decided to supply only the best electrical marine grade wires and cables.

Single Core, Tinned



Code	Size	Colour	Sectional Area (mm²)	Overall Diameter (mm)	Meters per reel	Uses
70351	1x1,5 mm²	Black	1,5	3	100	Indoor & Outdoor Lighting / Navigation Lights
70352		Red				
75964		Blue				
75967		Brown				
75963		Grey				
75966		Pink				
75962		White				
75965		Yellow				
70353	1x2,5 mm²	Black	2,5	3.6	100	
70354		Red				
75969		Brown				
75971		Green				
75968		Orange				
75970		Yellow				
70355	1x6 mm²	Black	6	5	100	Medium Load Appliances / e.g Refrigerator
70356		Red				
70357	1x10 mm²	Black	10	-	50	Medium Load Appliances (ex. Refrigerator)
70358		Red				
70359	1x16 mm²	Black	16	10	50	Battery connections / Anchor Winch Supply
70360		Red				
70361	1x25 mm²	Black	25	11.5	50	
70362		Red				
70363	1x35 mm²	Black	35	13	50	
70364		Red				
70365	1x50 mm²	Black	50	15	30	
70366		Red				
70367	1x70 mm²	Black	70	17	30	
70370		Red				
70371	1x95 mm²	Black	95	20	30	
70372		Red				

Twin core, Tinned



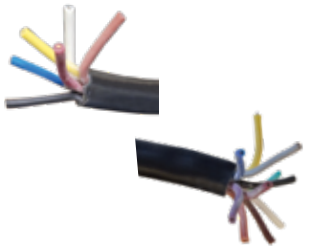
Code	Size	Colour	Sectional Area (mm²)	Overall Diameter (mm)	Meters per reel	Uses
70368	2x1,5 mm²	Black	1,5	7	100	Small loads / e.g. Lighting, small bildge pumps
70369	2x2,5 mm²	Black	2,5	9.4	100	

*** Temperature: ≤ 105 °C**

Command Cables

Linking the controller (i.e. Joystick) to the thruster's control box:

Code	Size	Sectional Area (mm^2)	Temperature (°C)	Overall Diameter (mm)	Meters per reel	Uses
312781	6x0,5 mm^2	0,5	-	-	25	All Tunnel Thrusters (CT)
312948	10x0,5 mm^2	0,5			25	All Retractable Thrusters (VIP, Compact Retract & R-series)



CAN-bus Cables

Code	Description	Meters per reel	Uses
636770	CAN Cable Female - Male	5	ECO PROPORTIONAL & VIP ECO PROPORTIONAL
636771		10	
636772		15	
636773	3-way (T) Connector Female - Male - Male	-	



Connector

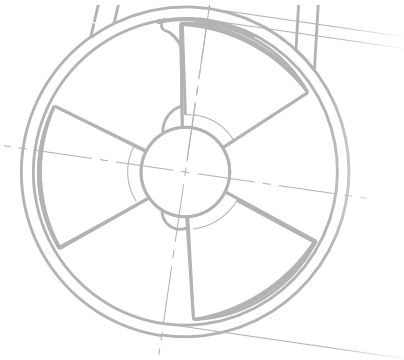
Code	Description	Uses
634004	Connector Y Beige fem 2 conduct. 6 poles	For combination of multiple control panels for the same thruster in parallel



Propellers



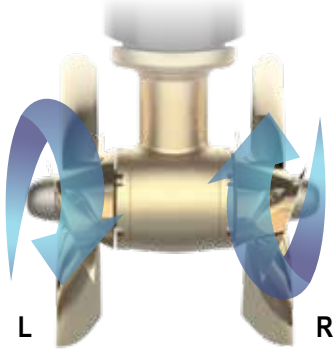




- Less Noise
- Higher Efficiency

Code	35030	35041	35040	636576	35042	313810	35033
Thruster Model	CT25	CT35 / 45	CT60 / 80 / 100 / 125 VIP 150 & Compact retract	CT60 / 80 / 100 / 125 VIP 150 & Compact retract (Nut Version)	CT165 / 225 & VIP 250	CT300	CT325
Diameter (mm)	Ø 110	Ø 125	Ø 185	Ø 185	Ø 250	Ø 300	Ø 315
Material	Composite	Composite	Composite	Composite	Composite	Composite	Composite
Colour	Black	Grey	Grey	Grey	Grey	Black	Black

Code	636242	636243
Thruster Model	CT550	CT550
Type	Left	Right
Diameter (mm)	Ø 375	Ø 375
Material	Manganese Bronze	
Colour	Bronze	Bronze



Counter Rotating

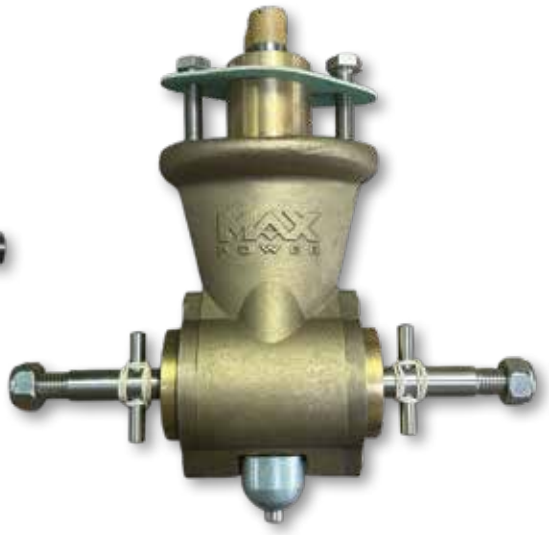
Legs





Product Innovation:

- Protective caps
- Corrosion resistant
- Precision machining
- Without oil pipelines
- Without porosity
- 4 sealed bearings



Product Advantages:

- Maintenance free
- No electrolysis
- Plug & Play
- Lower costs

Code	636098	315318	310376	35034	315321	633674	35035	315388	315324	315411	636256
Thruster Model	CT25	CT35	CT45	CT60	CT165 / 225	CT165 / CT225 / VIP 250	CT80 / 100 / 125	CT300	CT325	CT325	CT550
Contruction	Composite					Bronze	Composite	Bronze		Aluminium	Bronze
Diameter (mm)	Ø 110	Ø 125	Ø 125	Ø 185	Ø 250	Ø 250	Ø 185	Ø 300	Ø 315	Ø 315	Ø 400
Propellers	Mono	Mono	Duo	Mono	Duo	Duo	Duo	Duo	Duo	Duo	Duo



Electric Battery Isolator

Code	318400	318401	634424
Voltage	12 V	24 V	24 V
Thruster Model	All (12V)	up to CT165 / BK8	CT225 / BK13 and above

WARNING:
Electric battery isolator is not mandatory for MAX POWER thruster installations.
For safety reasons, MAX POWER recommends to use the electric battery isolator.

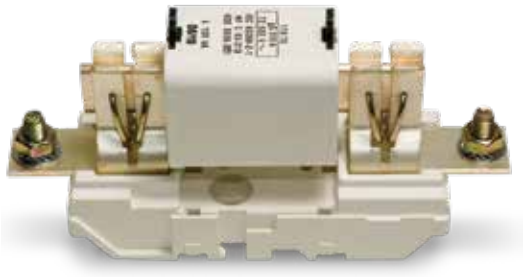




Battery coupler

Code	42545
Voltage	12 / 24 V

For boats with 12 V charging line and 24 V thruster.



Fuses (electric tunnel and retractable thrusters)

MAX POWER offers a range of calibrated fuses specifically selected and tested model by model. Chosen by taking into account each fuse's specific blow curve, MAX POWER fuses match the requirements of each thruster system.

Thruster Model	CT 25/35/45 CT 125 48V ECO 130 VIP 150/250 48V VIP ECO 150/250 48V	CT 60 ECO 90	CT 80 C. Retract	CT 60/80 C. Retract	CT 100 VIP 150	CT 125 ECO 110/150 VIP 150 VIP 250 9.5kW	CT 165/225 VIP ECO 150/250 24V VIP 250 15kW	CT 300 / 325
Amp (A)	125	160	200	125	315	200	250	400
Fuse	35021	35019	35020	35021	35022	35020	35027	35028
Fuse Holder	35017	35017	35017	35017	35018	35017	35018	35018
Extraction Handle	312882 (for all models)							



Thruster Model	CT 25 ECO 90 C. Retract 48V	CT 35/45 ECO 110	CT 60/80 C. Retract	CT 60/80 ECO 150 C. Retract	CT 100 VIP 150	CT 125 VIP 150 VIP 250 9.5kW	CT 165	CT 225 VIP 250 15kW
Amp (A)	150	175	225	175	400	225	325	400
Fuse	636342	636343	636344	636343	636346	636344	636345	636346
Fuse Holder	636347							

Mounting Bases



Mounting bases to suit all of our retractable thrusters are available to facilitate installation. Manufactured from isophtalic GRP, they can be easily integrated into new builds or retro-fitted. Aluminium yachts are catered for suitable aluminium flanges. These are designed to be welded to the top of a mounting base constructed in the hull.

Code	311362	35025	311303	311301	311307
Description	Aluminium Flange				
Suitable for	Compact Retract	VIP 150	VIP 250	R 300	R 450

Code	313760	35026	635663	316215	313765	316216
Description	GRP Mounting Base					
Suitable for	Compact Retract	VIP 150	VIP 250	R 200	R 300	R 450



GRP Tunnels

Manufactured from fully isophtalic resin and pre-gel coated, MAX POWER's high quality tunnels have the added advantage of a first coat of matte before being filament wound. Cutting and drilling can therefore be carried out without the risk of damaging the gel coat on the inside surface of the tunnel.



Stern Adaptors

Also manufactured from fully isophtalic resin, MAX POWER's range of stern adaptors are SMC moulded (sheet moulding compound) in a male / female steel mould. This ensures perfect resin fibre ratio and exceptional reproduction of form.

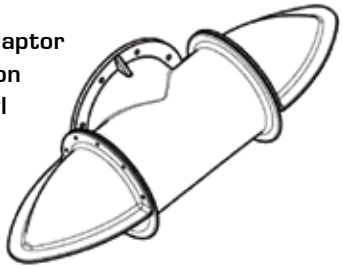


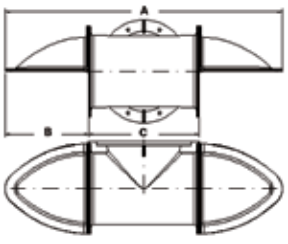
Cowls

Cowls are easily fitted to the stern adaptors and allow the use of stern thrusters in relatively shallow draft applications.

Thruster model	CT25	CT35/45	CT60/80/100/125	CT165/225	CT 300	CT325	CT550
Tunnel Diameter Ø (mm)	**110**	**125**	**185**	**250**	**300**	**315**	**400**
Tunnel Length (mm)	Reference						
500	-	42546	-	-	-	-	-
750	636062	42547	42549		-	-	-
1000	636063	313804	42550	42553	-	-	-
1250	-	313809	-	-	-	-	-
1500	-	-	42551	42554	313811	35004	-
2000	-	-	-	-	313812	42557	636210
2500	-	42548	42552	42555	-	-	-
Stern Adaptors	-	315389	315392	315395	-	35015	-
Stern Adaptor Fixation Kit	35016 (for all models)						
Stern Adaptor Cowls	-	315398	315399	-	-	-	-

Stern Adaptor connection with cowl



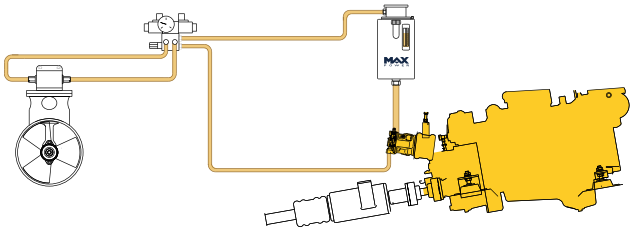


Tunnel Ø (mm)	Stern Adaptors	Stern Adaptor Cowls	A (mm)	B (mm)	C (mm)
125	315389	315398	672	168	336
185	315392	315399	842	253	336
250	315395	-	1019	303	415
315	35015	-	390	0	390

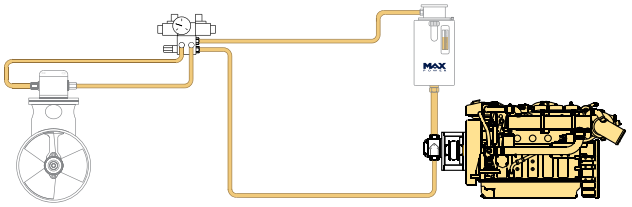
Stern Adaptor Fixation Kit (for all models) **Code: 35016**

Thruster-Only Hydraulics Systems

Hydraulic thrusters need a carefully designed hydraulic system to run them reliably and efficiently. Often this system may only be required for the yacht's thruster(s). The most common form of thruster only system uses an engine as its power source. These can offer unlimited run times and do not need batteries or high power cables. Two types of hydraulic pumps can be used for these dedicated systems.



Variable displacement pump
fitted to gearbox mounted PTO



Fixed displacement pump fitted
to generator mounted PTO

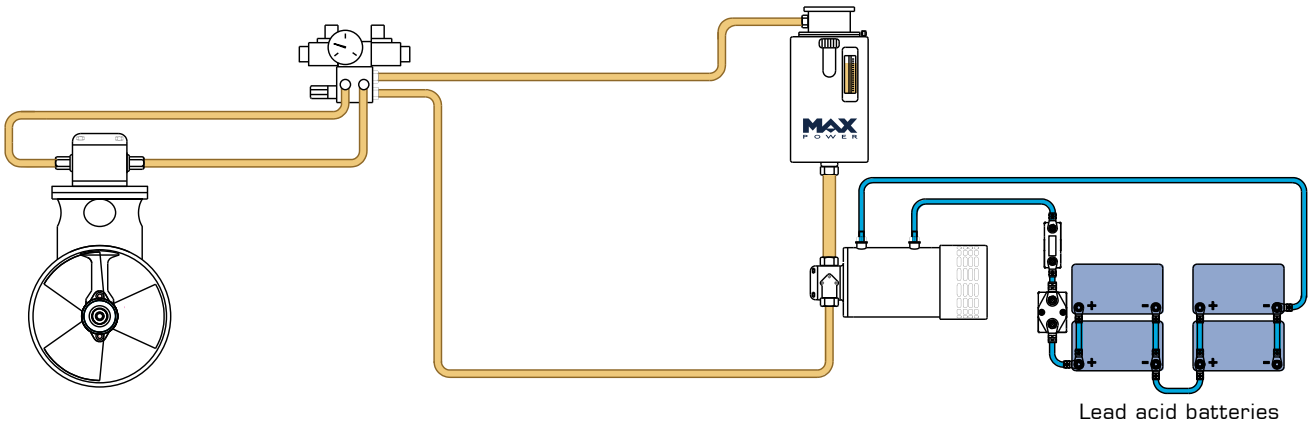
Variable Displacement Pumps

A variable displacement pump can be used when a fixed flow is needed but the engine RPM is likely to vary. This would typically be a main engine or gearbox mounted pump. Often used on large powerboats, these systems offer a powerful solution for larger thrusters.

Fixed Displacement Pumps

Used when a generator with a PTO (power take off) is available, fixed displacement pumps give a single (fixed) flow at a given engine RPM. Highly robust, these systems are simple to install and cost effective.

Dedicated Electric Hydraulic Powerpacks™



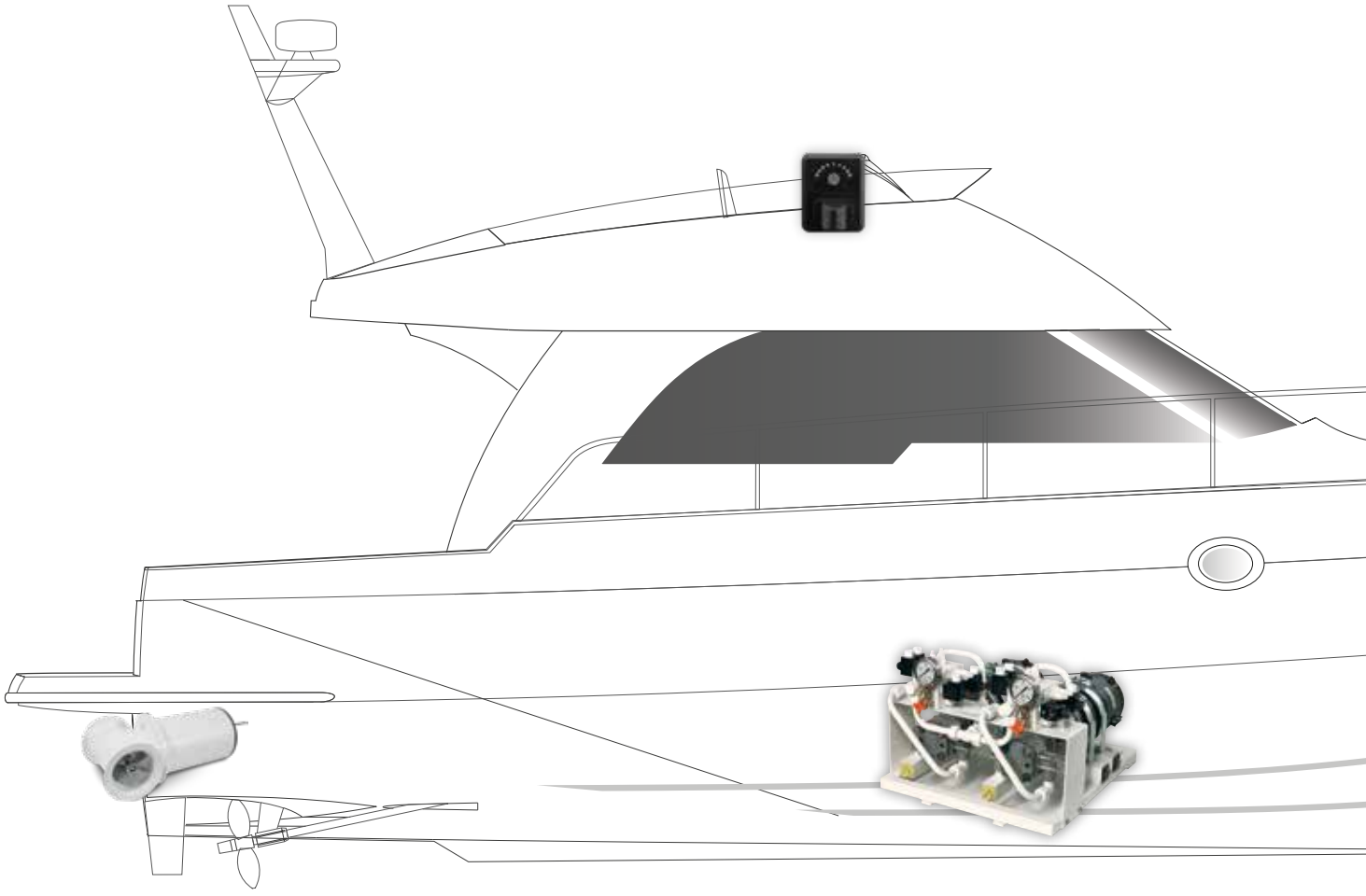
Lead acid batteries

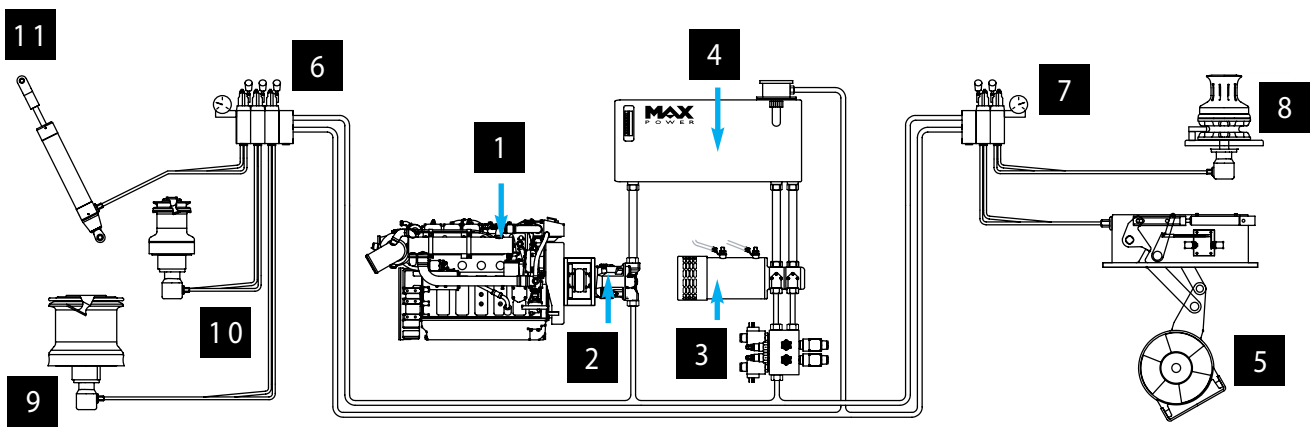
Sometimes an engine-driven pump may not be feasible. If this is the case, MAX POWER manufactures a range of dedicated DC power packs specifically designed to run our range of hydraulic thrusters both retractable and tunnel. These have been designed to supply a fixed flow of oil at a specific pressure.
Although still fundamentally a DC thruster, a hydraulic unit run from a DC power pack offers a host of advantages over conventional DC thrusters.
- Better weight distribution in the yacht
- The ability to fit the thruster unit in habitually damp and even wet areas, such as sail lockers
- Allows the DC motor to be placed close to the batteries that supply it, whilst still enabling the installation of the thruster(s) in the yacht's extremities

Whether run from a DC motor or an engine, MAX POWER can supply a full range of components including all necessary accessories such as a variety of oil tanks and control valves.
In both cases, MAX POWER can advise and assist in the design of an efficient system suited to your needs.

A strong partnership has been built between Lofrans' windlasses and MAX POWER thrusters creating a synergy in yacht control and maneuvering solutions.

From simple stand-alone independent units, MAX POWER is able to offer fully integrated hydraulic systems for sailing and motor yachts. Whether running winches, windlasses, bow thrusters, stern thrusters, hydraulic davits or complex keel lifting mechanisms, our complete hydraulic solutions are used by many of the world's large sailing and motor yacht manufacturers. Unique in their flexibility, our systems are built using a common central line principle.



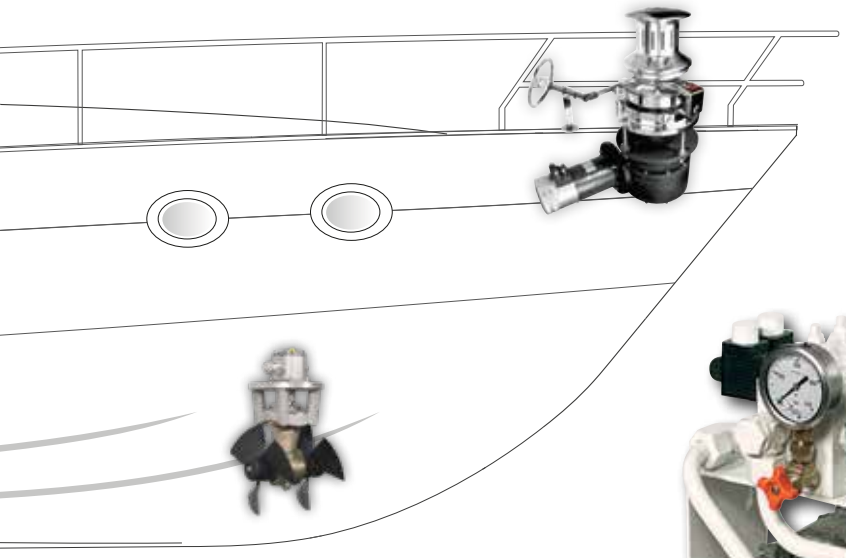


This means that any function can be run from any power source, thereby allowing a high level of user control. The use of load-sensing pumps and valves ensures efficient and silent operation over a wide range of hydraulic flows and pressures. Our experience in designing and supplying complete solutions ensures that a MAX POWER-Lofrans' integrated system will be efficient, flexible and reliable.

Sailing yacht power systems typically include one or several generator-mounted hydraulic pumps and in addition will require a DC power pack for silent sailing and light maneuvering. The Power-Valve™ power pack range used in our systems, offers exceptional flexibility and power efficiency over a wide range of hydraulic flows.

Available as single or twin motor units, each motor pump can deliver 3 flow ratings at two predetermined system pressures, thereby accommodating a wide variety of hydraulic functions.
From high pressure, low flow keel, to a powerful high flow windlass, each function only draws the amperage needed for that specific application.

Lofrans' WINDLASSES THE ORIGINAL WINDLASS



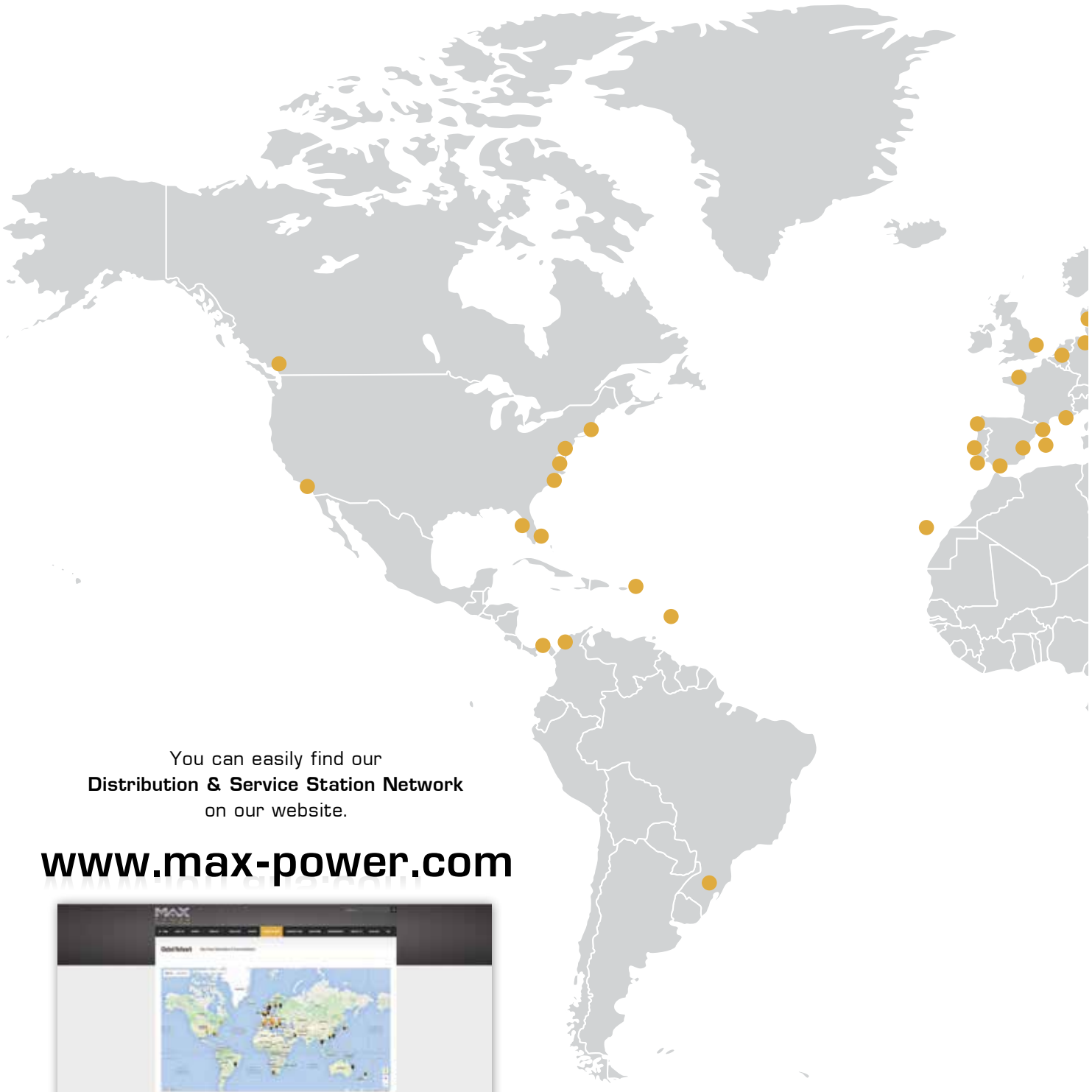
MAX POWER
offers a complete range of hydraulic parts using only the best suppliers



1 Generator with PTO
2 Variable Displacement Pump
3 DC Power Pack
4 Oil Tank with Filtration and Gauges
5 Thruster
6 Control Valve
7 Control Valve
8 Windlass
9 Winch
10 Winch
11 Hydraulic Ram

Code	316511	317908	317909	317907	317911
Motor	1 x 8 KW	2 x 8 KW	1 x 13 KW	2 x 13 KW	2 x 14 KW
Settings	3	6	3	6	6
Flow range (L/min)	10 < 30	10 < 60	10 < 30	10 < 60	10 < 60
Pressure (bar)	140 < 214				
Weight (kg)	35	76	39	83	87

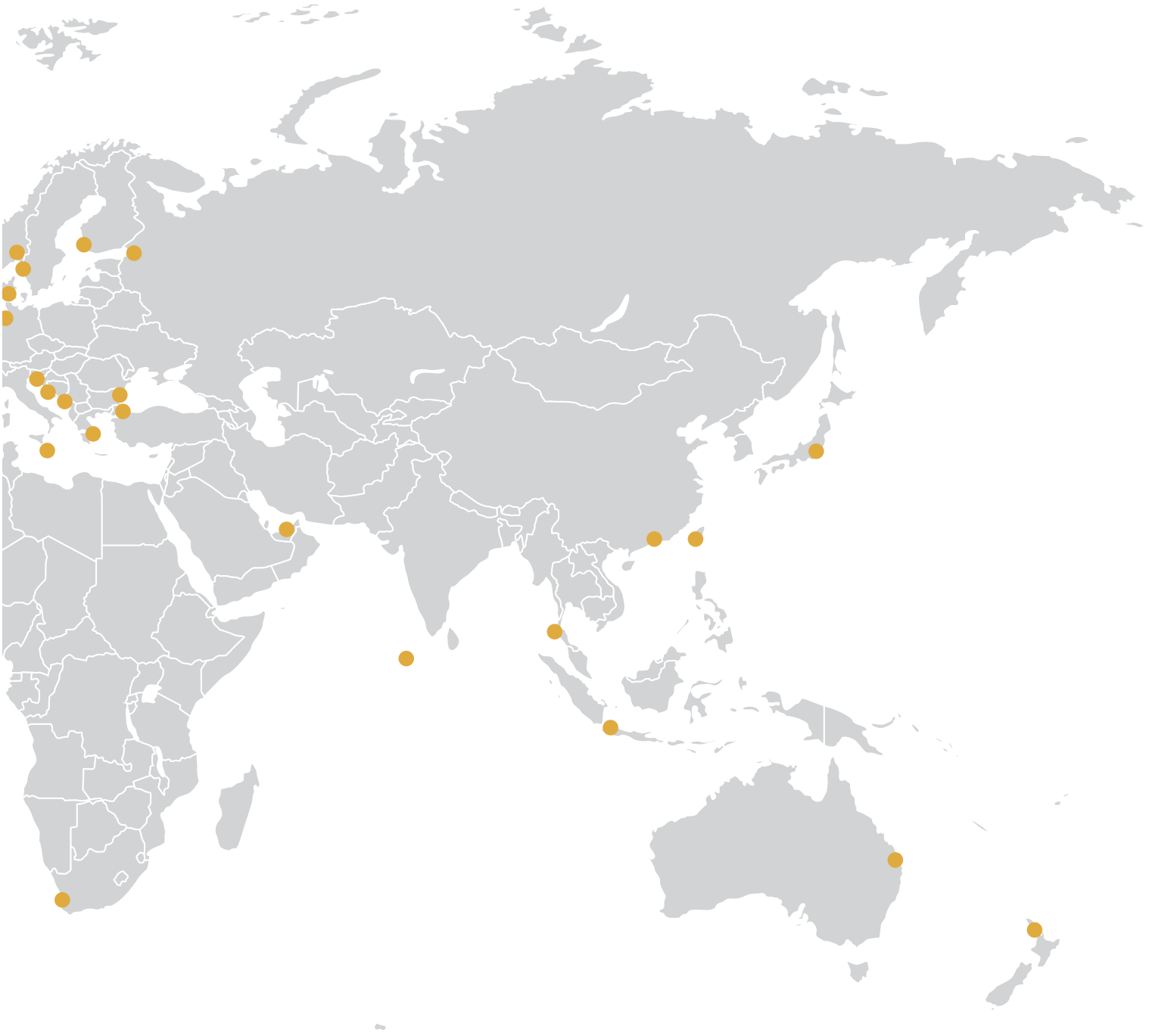
GLOBAL



You can easily find our
Distribution & Service Station Network
on our website.

www.max-power.com

NETWORK



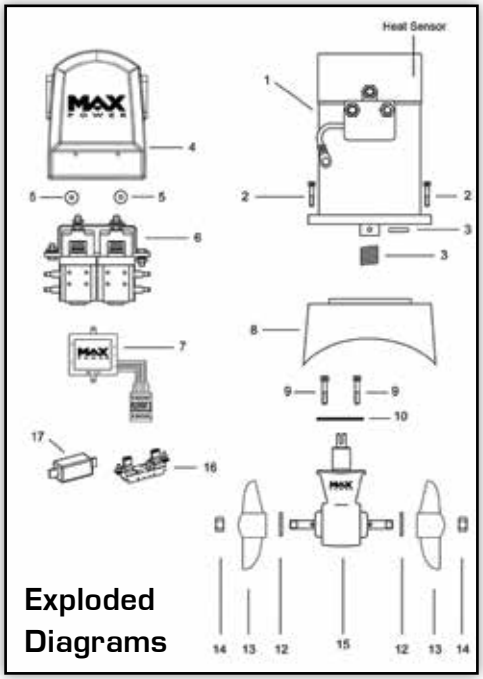
The most useful website of the industry where you can easily "maneuver" and...

...Order SPARE PARTS

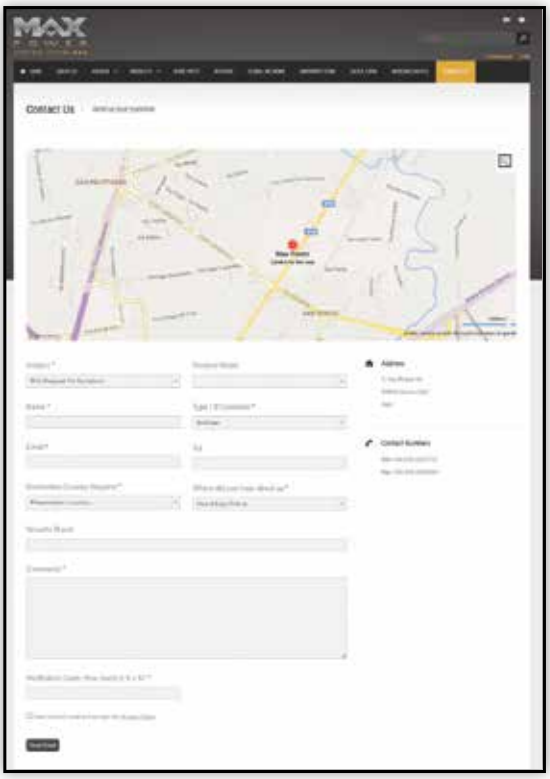


Complete Spare Parts Availability

- Exploded diagrams for complete range of thrusters
- Simple spare parts ordering
- Simplified spare parts selection - Send a spare parts request order directly to MAX POWER



Contact Form & Ticketing Platform



- Centralised communication management via ticketing platform
- Direct communication with our team of technical experts
- Effective management of all requests

...Validate your WARRANTY

Register your unit and take advantage of the warranty period.





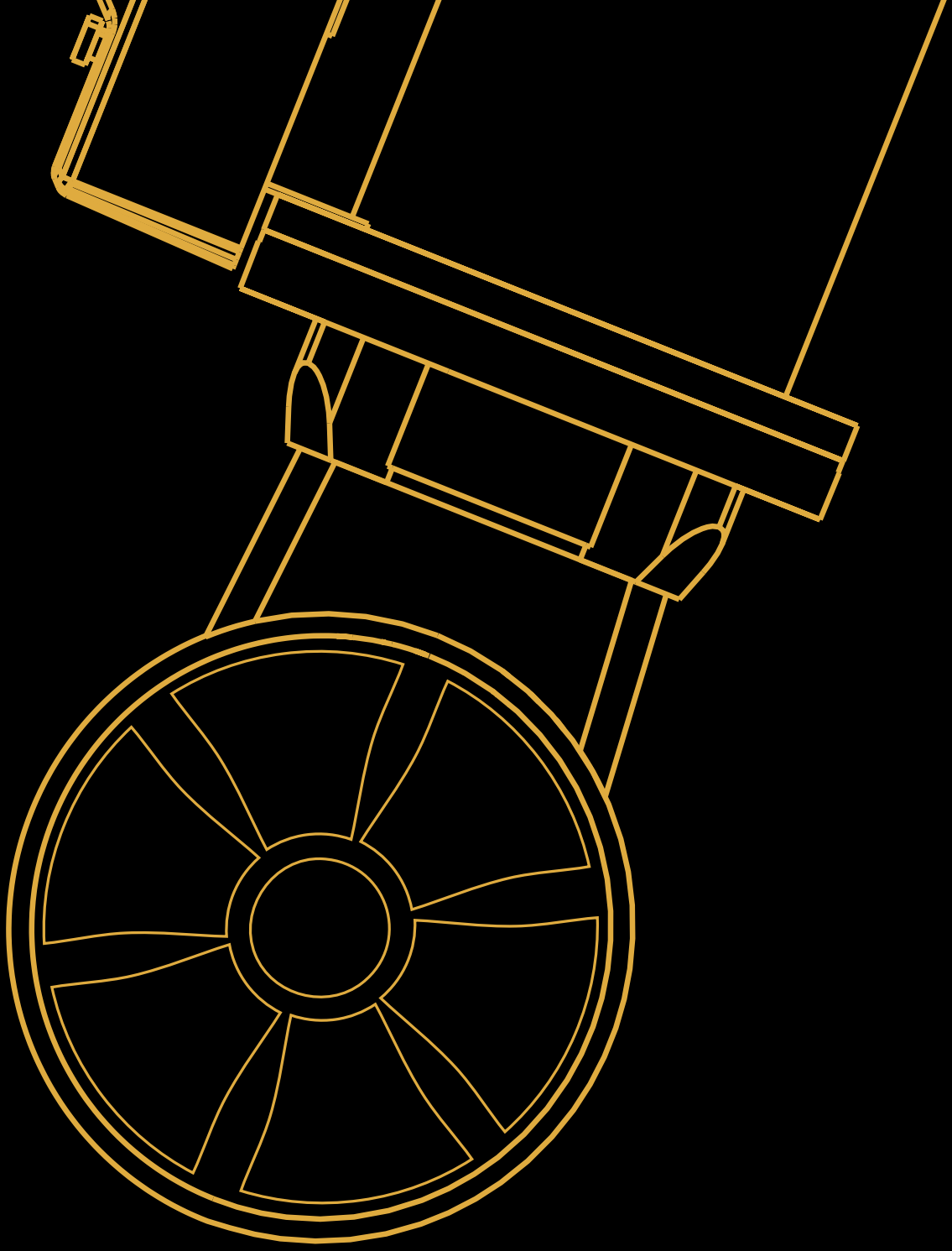












MAX POWER

CONTROL TO THE MAX

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