

Control Devices for Hydraulic and AC Thrusters

PJC2 series

- For proportional thruster control with S-Link™ thruster systems
- Finger tip speed control with purpose designed joysticks
- Hold-function for easy docking, runs thrusters at selected power step
- Compact design
- Back-lit LCD display with instant feedback
 - System status
 - Amount of thrust & direction of thrust
 - Battery and temperature status on DC thruster
 - Temperature status on AC thruster
 - Oil temperature & pressure on Hydraulic thrusters
- Interactive multi-language menus
- S-Link™ CAN-Bus communication with thrusters and accessories

- Plug & go cables, sealed and compact connectors
- Built-in alarm buzzer
- Connector for external alarm buzzer
- Supports Sleipner retractable thrusters
- with/without Speed Control
- Supports Sleipner stabiliser on/off control



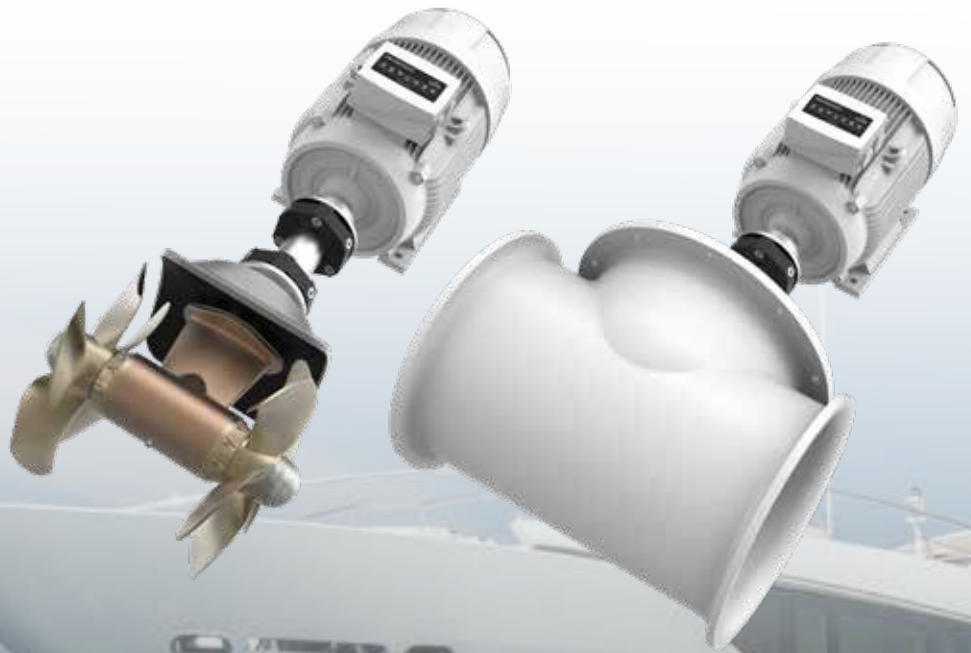
Control Devices	PJC211	PJC212	PJC221	PJC222
For thruster type	AC/DC electric	AC/DC electric	DC/AC/Hydraulic	DC/AC/Hydraulic
Display	Internal	Internal	Internal	Internal
Height (mm)	141	141	141	141
Width (mm)	83	83	83	83
S-Link™ CAN-Bus	Yes	Yes	Yes	Yes
Multi-voltage	Yes	Yes	Yes	Yes
Child safety/Stop function	Yes / No	Yes / No	No / Yes	No / Yes
Number of joystick/lever	1	2	1	2
Joystick/lever type	Spring / Hold-button	Spring / Hold-button	Spring / Hold-button	Spring / Hold-button
Item Code	PJC211	PJC212	PJC221	PJC222
Item Code DNV approved version*	N/A	N/A	N/A	N/A

*Only available for thruster models with DNV approved gear house



SLEIPNER

Ocean born. Tech bred.



AC electric tunnel thrusters

Sleipner's AC thrusters offer the benefit of unlimited run time, enabling heavier duty usage. Each system is custom-built according to your boat's specifications and working conditions. AC thrusters are also perfect for hybrid or fully electric vessels.

Sleipner's AC thruster systems are precisely matched to the generator capacity to maximize the amount of thrust you get from the system.

Each AC motor is controlled via a Variable Frequency Drive (VFD) to minimize startup loads on the power system and allow for precise control of the thruster with variable speed control. No further setup of the VFD is required. The PDC-301 drive controller is configured from the control panel.

In addition to the standard VFD's, we can deliver low harmonic VFD's for installations with specific THD requirements.

An Electromagnetic Compatibility (EMC) is also included to reduce feedback noise on the vessel's power system.

The innovative S-Link™ control system ensures fast and trouble-free installation, and gives you the unique option to combine hydraulic and AC thrusters in a single control environment.

All of Sleipner's AC systems can be mixed and matched with hydraulic and DC Electric PRO systems with seamless integration.

All AC components are selected from top brand manufacturers ensuring the best quality and worldwide support. Standard range is designed for 230V / 400V. Setup for alternative power supply specifications can be delivered on request.

Benefits

- Continuous use
- Controlled power
- Reliability
- S-Link™ operating system
- Custom-made, ready to install with plug-and-go wiring
- The choice of leading boatbuilders
- DNV type approval for specific models
- Cost efficient, high quality components
- Suitable for joystick and DP integration

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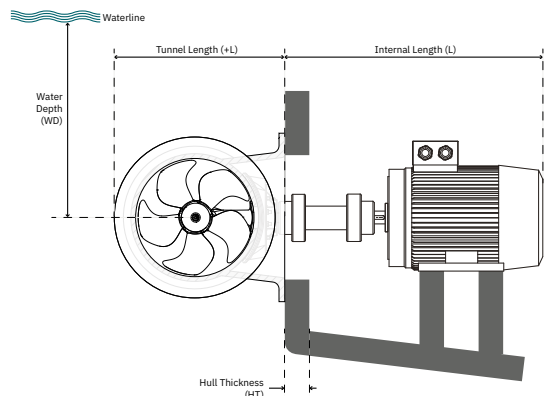
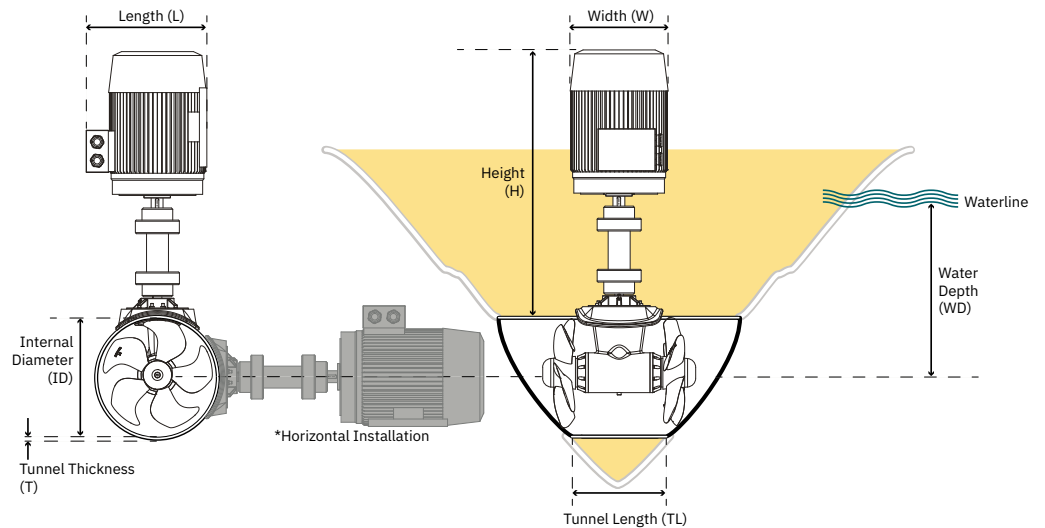





Performance & sizing*	SAC240/250-C	SAC320/300-I	SAC360/300-C	SAC450/386-C	SAC520/386-I	SAC520/386-C
Continuous Thrust (kg)	240	280	360	450	450	520
Thrust, max. (kg) ¹	-	320	-	-	520	-
Power Output (kW)	14	21	27	28	35	35
Ideal Vessel Size (m/ft)	13-23/42-75	17-31/55-100	18-33/59-108	22-35/75-110	25-40/85-140	25-40/85-140
Internal Diameter (mm)	250	300	300	386	386	386
Item Code	SAC240/250-C-x-x	SAC320/300-I-x-x	SAC360/300-C-x-x	SAC450/386-C-x-x	SAC520/386-I-x-x	SAC520/386-C-x-x
Features						
CE approved	Yes	Yes	Yes	Yes	Yes	Yes
PROportional speed	Yes	Yes	Yes	Yes	Yes	Yes
Control system	S-Link™	S-Link™	S-Link™	S-Link™	S-Link™	S-Link™
Q-propeller	Yes	Yes	Yes	No	No	No
Propulsion system	Twin Counter	Twin Counter	Twin Counter	Twin Counter	Twin Counter	Twin Counter
Lubrication	Sealed	Sealed	Gravity feed	Gravity feed	Gravity feed	Gravity feed
Galvanic separation ³	No	No	No	No	No	No

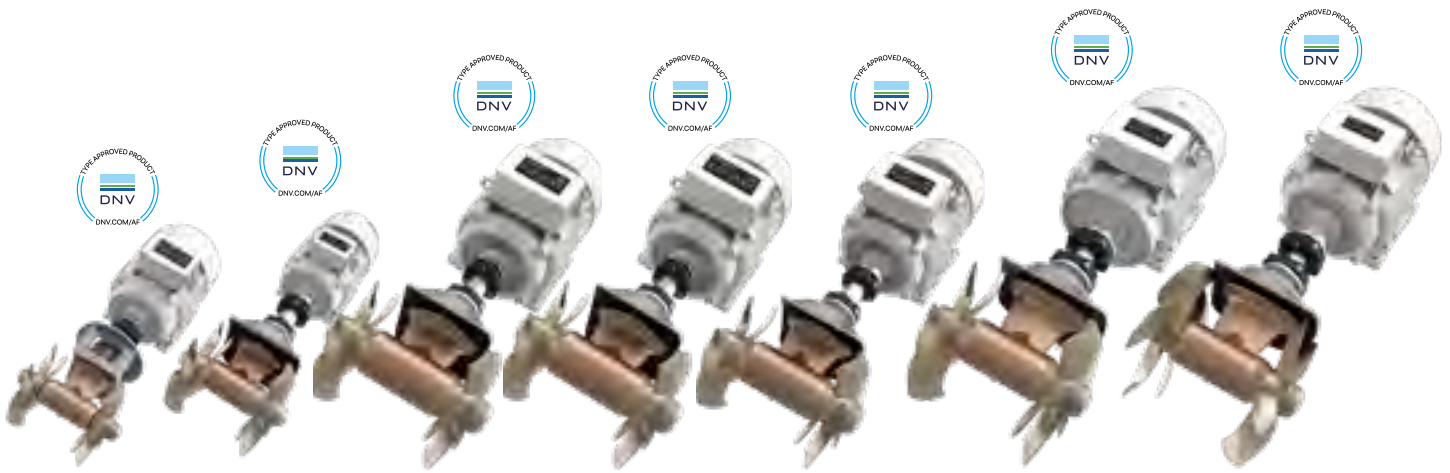
For leisure usage

Bow	Description
(H)	Height
(L)	Length
(W)	Width
(ID)	Internal Diameter
(WD)	Water Depth
(TL)	Recommended Tunnel Length
(TL min.)	Minimum Tunnel Length
(T min.)	Minimum Tunnel Wall Thickness
(T max.)	Maximum Tunnel Wall Thickness
Stern	Description
(L)	Internal Length
(+L)	Tunnel Length
(WD)	Stern Water Depth
(HT)	Maximum Hull Thickness



 Sleipner thrusters can be installed at an angle off the vertical centre. Tailored to fit any space available in your vessel.

¹ Max thrust is available until motor temperature will reduce performance to continuous thrust rating.
³ Isolation kit for galvanic separation available
⁴ Weight stated is for complete thruster excluding VFD
 * Note - See page 115



SAC400/300-C	SAC700/412-C	SAC750/513-I	SAC900/513-I	SAC1100/513-I	SAC1100/513-C	SAC1300/610-I	SAC1400/610-I
400	700	600	750	900	1100	1100	1200
-	-	750	900	1100	-	1300	1400
30	42	41	53	70	70	74	83
18-33/59-108	29-44/95-145	29-44/95-145	30-45/100-150	32-49/105-160	32-49/105-160	40-52/130-170	40-55/130-175
300	412	513	513	513	513	610	610
SAC400/300-C-x-x	SAC700/412-C-x-x	SAC750/513-I-x-x	SAC900/513-I-x-x	SAC1100/513-I-x-x	SAC1100/513-C-x-x	SAC1300/610-I-x-x	SAC1400/610-I-x-x
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
S-Link™	S-Link™	S-Link™	S-Link™	S-Link™	S-Link™	S-Link™	S-Link™
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Twin Counter	Twin Counter	Twin Counter	Twin Counter	Twin Counter	Twin Counter	Twin Counter	Twin Counter
Gravity feed	Gravity feed	Gravity feed/ On water change	Gravity feed/ On water change	Gravity feed/ On water change	Gravity feed/ On water change	Gravity feed/ On water change	Gravity feed/ On water change
No	No	No	No	No	No	No	No

For heavy duty usage

Measurements (mm)	H	L	W	ID	WD	TL	TL min.	T min.	T max.	Weight* kg
SAC240/250 (horizontal version)	688	347	262	250	380	550	300	7	10	68
SAC240/250 (vertical version)	688	347	262	250	380	550	300	7	10	68
SAC320/300 (horizontal version)	703	347	262	300	450	550	300	10	10	71
SAC320/300 (vertical version)	703	347	262	300	450	550	300	10	10	71
SAC360/300 (horizontal version)	774	397	313	300	450	550	370	10	10	105
SAC360/300 (vertical version)	774	397	313	300	450	550	370	10	10	105
SAC400/300 (horizontal version)	774	397	313	300	450	550	370	10	10	111
SAC400/300 (vertical version)	774	397	313	300	450	550	370	10	10	111
SAC450/386 (horizontal version)	999	439	356	386	580	750	500	10	15	189
SAC450/386 (vertical version)	999	439	356	386	580	750	500	10	15	189
SAC520/386 (horizontal version)	999	439	356	386	580	750	500	10	15	189
SAC520/386 (vertical version)	999	439	356	386	580	750	500	10	15	189
SAC700/412 (horizontal version)	964	439	356	412	620	800	550	12	16	205
SAC700/412 (vertical version)	964	439	356	412	620	800	550	12	16	205
SAC750/513 (horizontal version)	1079.5	496	396	513	700	1000	750	12	22	330
SAC750/513 (vertical version)	1079.5	496	396	513	700	1000	750	12	22	330
SAC900/513 (horizontal version)	1193.5	563	449	513	700	1000	750	12	22	450
SAC900/513 (vertical version)	1193.5	563	449	513	700	1000	750	12	22	450
SAC1100/513-C (horizontal version)	1303.5	642	495	513	770	1000	750	12	22	450
SAC1100/513-C (vertical version)	1303.5	642	495	513	770	1000	750	12	22	450
SAC1100/513-I (horizontal version)	1193.5	563	449	513	770	1000	750	12	22	575
SAC1100/513-I (vertical version)	1193.5	563	449	513	770	1000	750	12	22	575
SAC1300/610 (horizontal version)	1305	712	555	610	900	1000	750	14	24	680
SAC1300/610 (vertical version)	1305	712	555	610	900	1000	750	14	24	680
SAC1400/610 (horizontal version)	1305	712	555	610	900	1000	750	14	24	740
SAC1400/610 (vertical version)	1305	712	555	610	900	1000	750	14	24	740