



TRUSTED
WORLD
WIDE

BRUNVOLL THRUSTER SYSTEMS PRODUCT RANGE

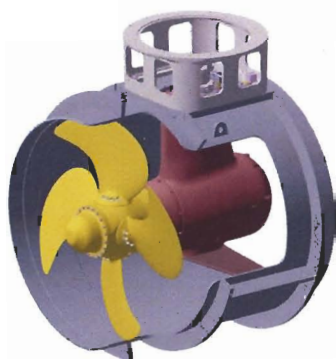


www.brunvoll.no

BRUNVOLL PRODUCT RANGE

STANDARD TUNNEL THRUSTERS

Brunvoll Standard Tunnel Thrusters are designed for the most demanding requirements according to North Sea offshore standards, and are used on all types of ships.



	Propeller diameter mm	Power range kW
FU 37	850	75 - 200
	1000	100 - 250
FU 45	1225	185 - 300
	1375	275 - 450
FU 63	1550	400 - 700
	1750	550 - 900
FU 74	2000	800 - 1400
FU 80	2250	1100 - 1500
FU 100	2450	1500 - 2200
	2750	1800 - 2500

RIM DRIVEN THRUSTER (RDT)

The RDT is electrically driven with a permanent magnet (PM) motor, where the motor windings are in the stator and where the rotor has a number of permanent magnets.

The RDT may be applied for various thruster configurations with a variable speed drive:

- Azimuth main or auxiliary propulsion thruster
- Combined tunnel and azimuth thruster
- Retractable azimuth thruster
- Tunnel thruster

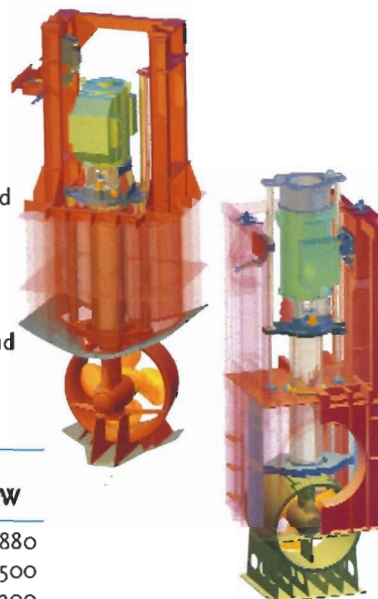


Propeller diameter (mm)	800	1000	1250	1500	1750
Max Motor Power (kW)	200	300	450	600	900

RETRACTABLE AZIMUTH THRUSTERS

The Brunvoll Retractable Azimuth Thrusters are used for dynamic positioning on offshore vessels, as mooring thrusters on shuttle tankers, and as stand by/take home propulsion on naval ships and coastal tankers.

A special version, the **Combi-Thruster**, works as a tunnel thruster in upper position, and as an azimuth thruster in lower position.



	Propeller diameter mm	Power range kW
* AR 63	1650	500 - 880
* AR 80	2100	1000 - 1500
AR 100	2600	1500 - 2200

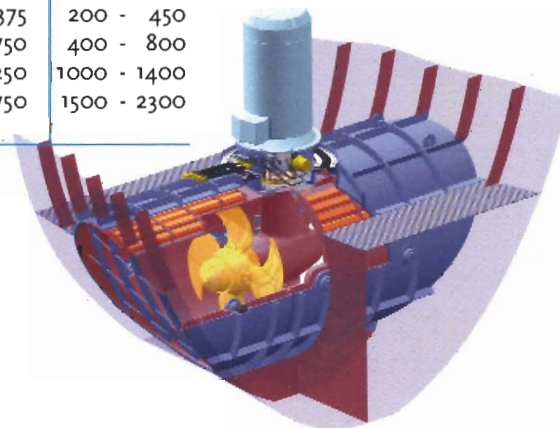
* Also available in shock resistant version

LOW NOISE TUNNEL THRUSTERS

The Brunvoll Low Noise Tunnel Thrusters, Resiliently Mounted with full length double tunnel, result in a noise reduction of 11 to 15 dB(A).

This design is mainly used on cruise liners, super yachts and offshore vessels where extensive noise suppression is necessary. Also available in shock resistant version.

	Propeller diameter mm	Power range kW
FU 37	1000	100 - 250
FU 45	1375	200 - 450
FU 63	1750	400 - 800
FU 80	2250	1000 - 1400
FU 100	2750	1500 - 2300



BRUNVOLL

THRUSTER SYSTEMS

FOR ALL TYPES OF **ADVANCED VESSELS**

Over the past 45 years, Brunvoll has delivered more than 6000 thrusters to more than 4000 vessels of all types.

The high number of thrusters delivered has given us a wide experience for further development of our units.

Thruster systems for all types of vessels

Brunvoll offers a highly versatile range of tunnel thruster units. Each package can be optimized to meet individual requirements: from standard operations to ice class applications.

Advanced and reliable

Over the years we have learned which components of the thruster need margins given, in order to obtain a product that can stand heavy continuous duty in rough environments.

Wherever the operation takes place, in Gulf of Mexico, or in rough weather in the North Atlantic – you can always rely on the Brunvoll thruster system.

After Sales Service

Our in-house service team has established cost-efficient, preventive maintenance plans for the specific type of thruster. We have developed docking manuals and service reports that meet the needs of the Superintendent and the Chief Engineer. We are ready to assist you in making the next planned docking service successful.

Brunvoll Remote Control & Monitoring System

Brunvoll has developed modular thruster control systems based on PLC standard units.

Approved by the major classification societies, they provide complete control, monitoring and alarm functions for thrusters.

The Brunvoll Remote Control & Monitoring System is easy to configure and update. It can be used as a standalone system and can easily be interfaced with other integrated monitoring, alarm and control systems such as VDR, Joystick, DP, PMS and others.



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BRUNVOLL offers a highly versatile range of Thruster Systems. Each system can be optimized to meet individual requirements – from standard operations to ice class applications, from DP-class thrusters to light auxiliary duty thrusters. Power range from 100kW to 2600kW.