



NAWIS MARINE



New Stream STERN DRIVE 20 kW

Product Catalog



NS-STERN-20

As a pioneer of sustainable, efficient and environmentally friendly technologies in the marine sector, New Stream offers a variety of electric engine solutions suitable for boats of all sizes. Our product range includes a wide range of options from high-performance outboard engines to stern drive and pod drive systems. All of our engines provide an environmentally friendly and comfortable cruising experience by offering advantages such as zero emissions, silent operation and low maintenance costs at sea.

New Stream STERN DRIVE 20 kW

The New Stream STERN DRIVE 20 kW Electric Motor is the ideal choice for those looking for an environmentally friendly solution in marine operations. Designed for both commercial and individual use, this motor offers high power, efficiency and low maintenance costs. It offers many advantages such as zero emissions, silent operation and low energy consumption with its electric drive system, taking your experience at sea to the next level.



Highlights

- **High Performance Power:** Give special driving capabilities to all your boats with 20 kW power.
- **Environmentally Friendly Technology:** With the zero emission feature of the electric motor, it offers sustainable cruising by protecting nature.
- **Quiet Operation:** The all-electric structure minimises noise and allows you to rediscover the peace at sea.
- **Low Maintenance Requirement:** Our New Stream electric propulsion motors reduce your maintenance costs by 99% or more thanks to the total quality created with the slogan 'Zero Maintenance - Zero Cost'.
- **Easy Integration:** It provides fast and easy installation on boats, it does not matter which type of boat you have, which drive assembly type you have, which gearbox type you use. Thanks to the mounting drive adapters of our New Stream electric propulsion motors, you can easily and easily integrate them into your conversion / new construction projects.
- **Smart Technology:** Power efficiency is increased with advanced battery management systems and smart automation features to optimize energy consumption.

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Areas of Use

- Private Boats
- Passenger Boats
- Motor Yachts
- Tender Boats
- Lobster Boats
- Fishing Boats
- Touristic Tour Boats
- Pleasure Boats
- SportFish Boats
- Research and Dredging Boats
- Scuba Diving Boats
- Ring Boats
- Taxi Boats
- Catamaran
- Power Catamaran
- Trimaran
- House Boat
- Sailing Boats
- Floating House
- Floating Work Boats
- Fire Boats
- Tug Boats



Technical Specifications

FEATURES	NEW STREAM STERN DRIVE 20 kW
MOUNTING METHOD	STERN
OPERATING VOLTAGE (V)	87,6 V - 102,2 V
CURRENT VALUES (A)	0-228 A / 0-195 A
MAXIMUM TORQUE (Nm)	243 Nm
MOTOR POWER (W)	20.000 W
MOTOR PEAK POWER (W)	22.000 W
REVOLUTIONS PER MINUTE (RPM)	780 - 1400 - 2300 rpm
EQUIVALENT POWER VALUE (HP)*	130-170 HP
UNIT ENERGY CONSUMPTION / SPEED (kn) (INSTANT TRIAL POWER 2-6 kW)**	0,48 kW/h / nmi 0,27 kW/h / km (11 km/h - 6 knot)
USABLE BOAT LENGTH (m)	6-24 m
USABLE BOAT WEIGHT (m)***	1.500 kg - 80.000 kg
COOLING TYPE	Air Cooling
REGENERATIVE CHARGING FEATURE	Standard
MAX. SPEED RANGE (kn)	8 kn - 12 kn
SMART BOAT AUTOMATION	Optional
SMART NAVIGATION SOFTWARE	Standard
GEOLOCATION SERVICES (GPS)	Standard
Wi-Fi / GPRS (INTERNET)	Optional
TELEMETRIC DATA MONITORING	Optional
LiFePO4 BATTERY (kW/h)	Customizable Power Project Specific kW/h Package Design
MOUNTING DIMENSIONS (L / W) mm ****	(New Product 2025)
STERN DIMENSIONS (L / W / H) mm	(New Product 2025)
WEIGHT (Kg)	(New Product 2025)
SHAFT DIAMETER (mm)	40-50 mm
KORT NOZZLE (PERFORMANCE)	Optional
PROPELLER BLADE NUMBER / DIAMETER (mm)	3 - 540 mm
STERN POD FIXED / 180° (ADAPTER)	Optional
SAIL DRIVE POD (ADAPTER)	Optional
SAIL DRIVE POD FIXED / 180° (ADAPTER)	Optional
DOUBLE TILLER ARM / HYDRAULIC CONNECTION	Project Scope
SOLAR POWER CAPACITY - SOLAR PANEL	Project Scope
CHARGE CONTROL UNIT 87.6 V	Project Scope
MODULE BATTERY / PARALLEL BMS	Project Scope

* Different results have been obtained for displacement, semi-displacement, planing, catamaran hulls with different LOA, LWL, LBP, B, D values.

** Tested in the range of 2-6 kW for boats with different attributes and weights.

*** For all our engine options, please consult the NewStream technical team for dual engine application techniques according to different boat attributes and weight data.

**** The front mounting foot can be used in both directions.



www.nawismarine.com



+90 212 553 36 22



info@nawismarine.com



Beşyol Mh. 1. İnönü Cd.
No: 18 / 3 Florya İSTANBUL

