OUR FIELDS OF EXPERTISES :

- VEBRAT AUTOMOTIVE
- VEBRAT MARINE
- VEBRAT ELECTRIC VEHICLE CONVERSION

FIND US ON THE SOCIAL NETWORKS

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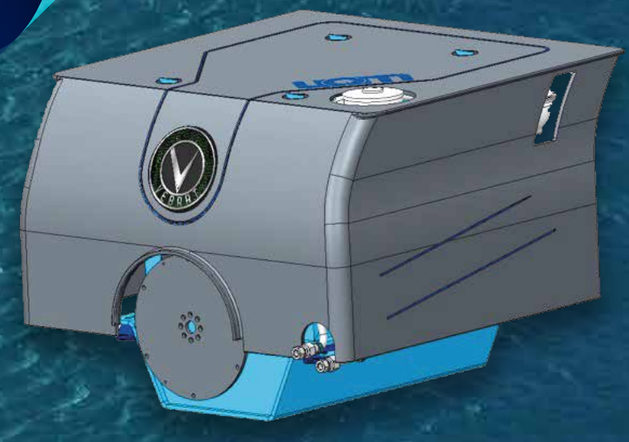
WWW.VEBRAT.COM

VEBRAT
e-mobility solutions

HIGH PERFORMANCES ELECTRIC PRIM MOVERS FOR BOAT

Blue Marlin



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Blue Marlin

HIGH PERFORMANCES
ELECTRIC PRIM MOVERS
FOR BOAT

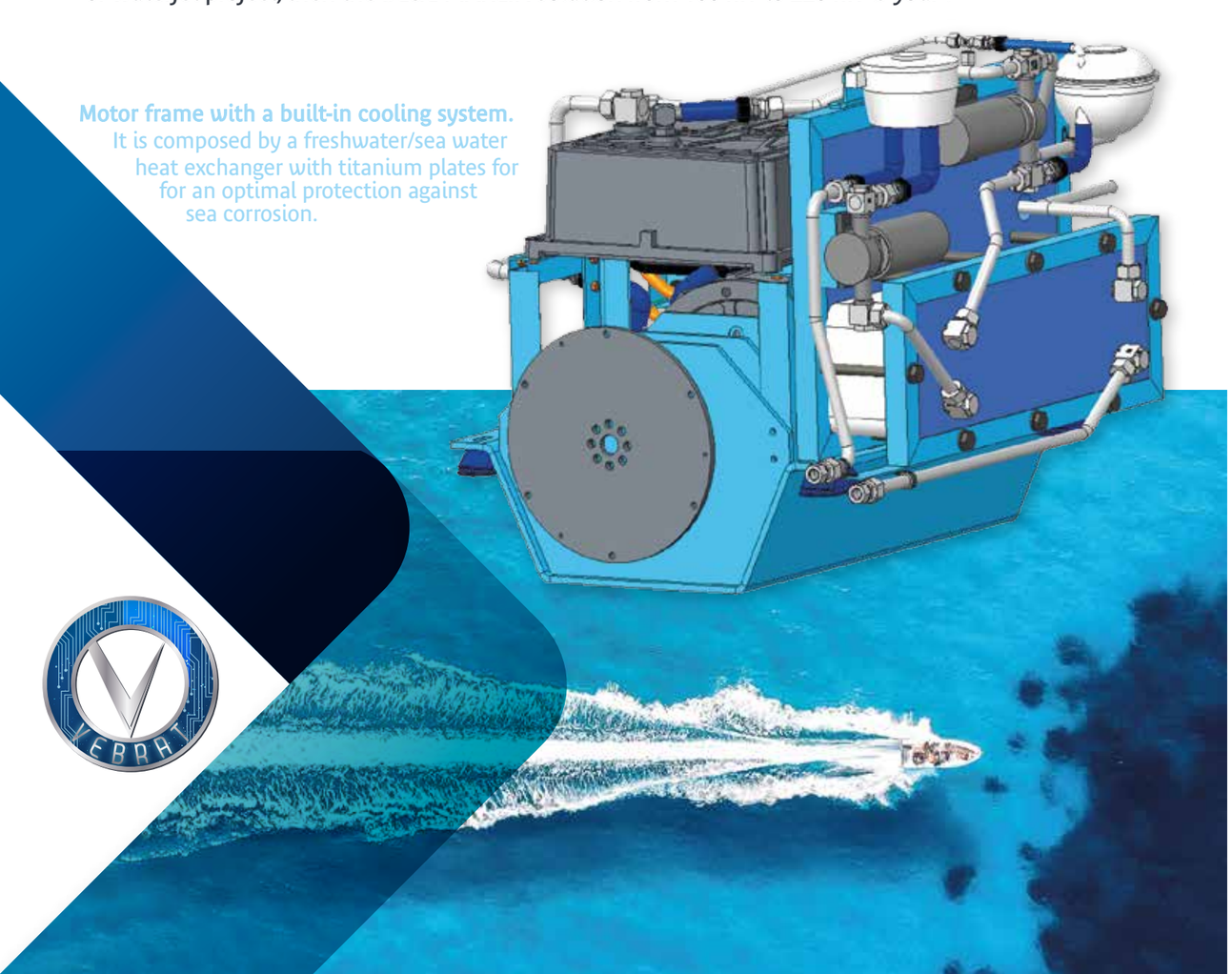
VEBRAT is a French company specialized in design and production of electric drives, compact power trains and modern fast-charge systems.

Our "turnkey" solution is fully optimized to suit well any kind of marine and river vessels. We support you during the integration process of our standard products but we can also redesign a custom solution to adapt your constraints.

The VEBRAT team, founders, shareholders and partners have all of them a strong and long experience in marine market, heavy duty, small boats or military vessels. With this unrivalled experience VEBRAT is able to propose your perfect turnkey solution, efficient, reliable and with the best performance ever. Our European partner MAC ENGINEERING and American partner UQM TECHNOLOGY support us to have the state-of-the-art electronic and embedded software, increasing the lifespan and reducing the maintenance cost.

If you think it is time to switch to electrical and ecological solutions for your future propeller-coupled or waterjet project, then the BLUE MARLIN solution from 100 kW to 220 kW is your !

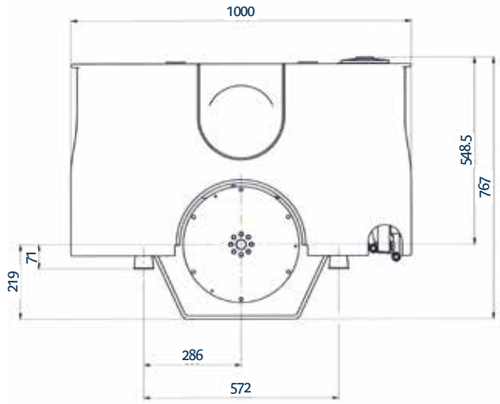
Motor frame with a built-in cooling system.
It is composed by a freshwater/sea water heat exchanger with titanium plates for for an optimal protection against sea corrosion.

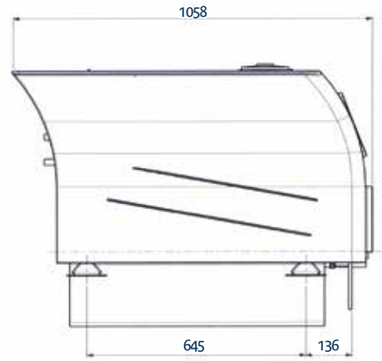


BLUE MARLIN - 100 / 135 / 220

Electric motor invertor UQM PP220 - Cooling by 50/50 water glycol mix

Inboard Blue Marlin

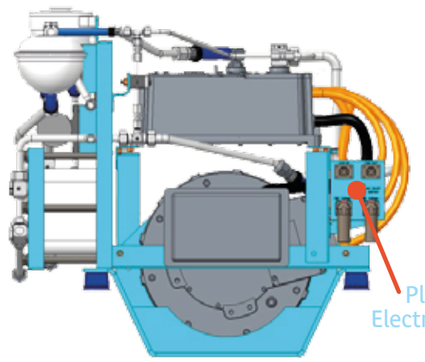




WEGHT (TOLERANCE 5%)

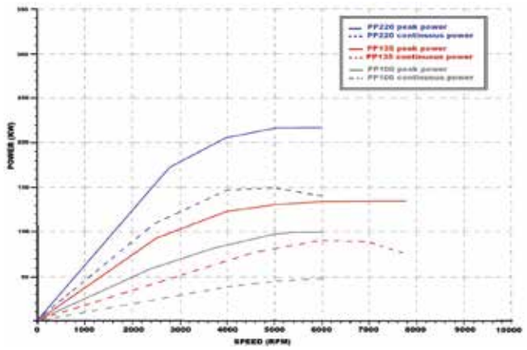
BLUE MARLIN 100 : 263 Kg
BLUE MARLIN 135 : 263 Kg
BLUE MARLIN 220 : 315 Kg

MODEL	BLUE MARLIN 100	BLUE MARLIN 135	BLUE MARLIN 220
Motor type	UQM PP 100	UQM PP 135	UQM PP 220
Motor technology	AC brushless permanent magnet		
Inverter/controler technology	IGBT module half bridge x3		
Control	CAN bus 2.0B		
PERFORMANCE			
Peak power kw / hp	100 / 100	135 / 180	220 / 300
Continuous power kw / hp	50 / 60	80 / 100	150 / 200
Peak torque N.m / lbf.ft	220 / 160	320 / 240	700 / 520
Continuous torque N.m / lbf.ft	100 / 70	150 / 110	440 / 320
Maximum speed RPM	6000	7700	6000
Maximum efficiency	93%	94%	94%
Weight	80 kg	80 kg	130 kg
OPERATING VOLTAGE			
Nominal battery input range Vdc	300 to 370	300 to 370	300 to 370
LIQUID COOLING SYSTEM			
Cooling fluid	50/50 water / glycol mix		
Max inlet temperature	65°C / 150°F		



Plug and Play
Electric interface

PEAK AND CONTINUOUS POWER



PEAK AND CONTINUOUS TORQUE