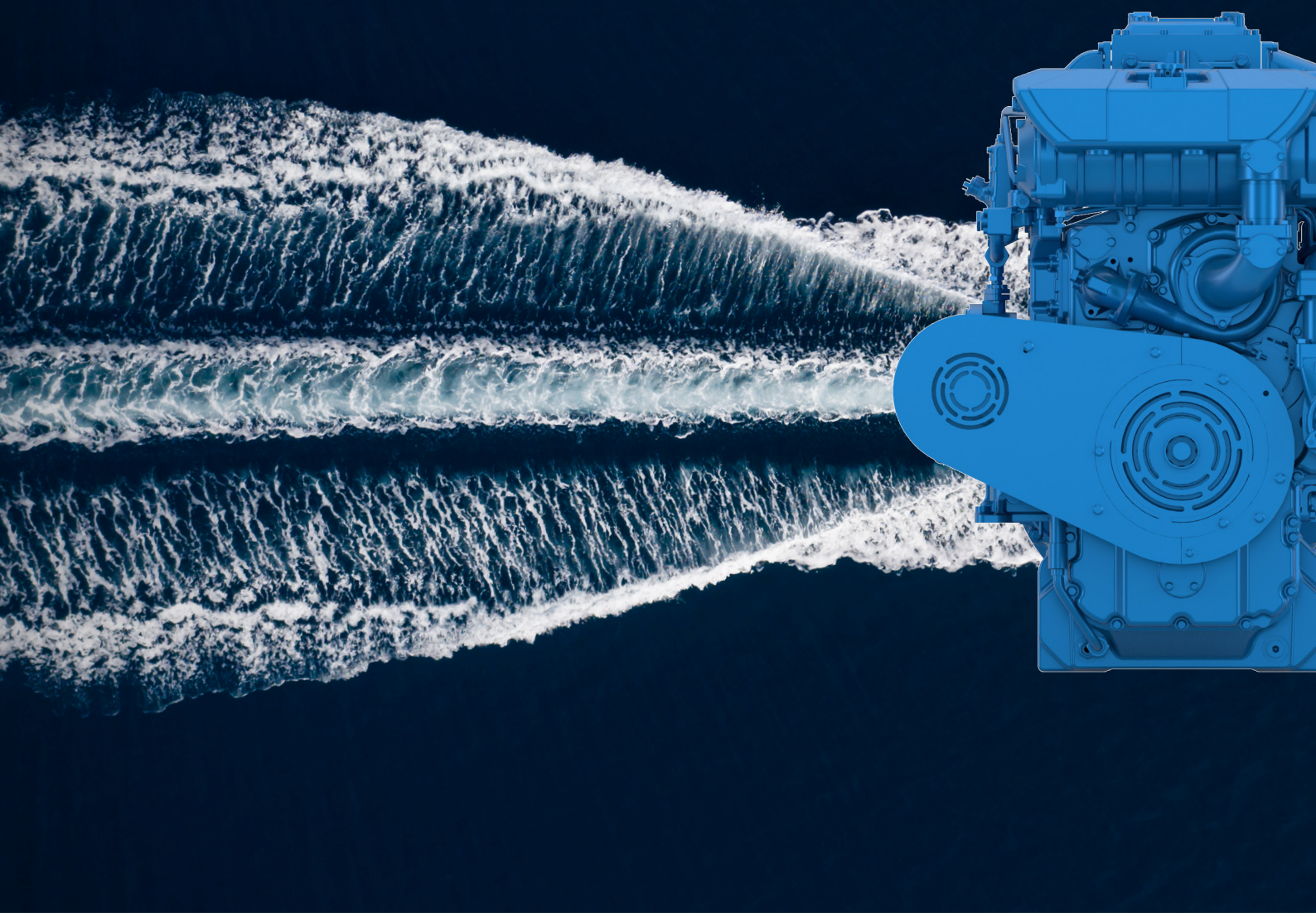
MOTEURS Baudouin

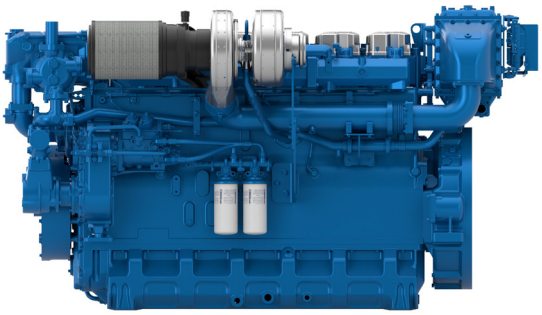


6M26.3

Propulsion Engine

6M26.3

Propulsion Engine



Number of cylinders	6 in line
Bore and stroke (mm)	150 X 150
Total displacement (L)	15.9
Compression ratio	15/1
Engine rotation	counter clockwise
Idle speed	650
Flywheel	SAE 1
Flywheel housing	SAE 14"
Common rail injection	

Customer benefits

Genuine marine design, our engine is designed specifically for Marine applications with Marine components
Global environment care with low exhaust emissions at any running cycle
Excellent fuel consumption
Unparalleled performance in heavy duty applications

Rated power - Fuel consumption

Duty	kW	HP	rpm	Fuel consumption			IMO	EPA	CCNR	CE97/68
				Optimum value	Rated power					
				g/kWh	g/kWh	l/h				
P1	441	600	1800	195	197	103	II/III	3/4	II	III A
P2	485	660	1800	198	200	114	II	-	II	III A
P2	515	700	2000	198	206	124	II/III	3/4	II	III A
P2	552	750	2100	198	212	137	II/III	3/4	II	III A
P3	599	815	2100	197	219	154	II/III	3/4	-	-

	P1	P2	P3
Application	Unrestricted	Heavy	Intermittent
Engine load variations	Very Little To None	Continuous	Important
Average Engine load factor	80-100%	30-80%	50%
Annual working time	More Than 5000 H	3000 -5000 H	1000 - 3000 H
Time at full load	Unlimited	8h Each 12h	2h Each 12h

P1 Continuous Duty

- Deep sea trawlers
- Shrimps trawlers
- Sea going tug boats
- River tug boats
- Push boats
- Freighters
- Dredges
- LCT
- Ferries

P2 Heavy Duty

- Deep sea trawlers
- Shrimps trawlers
- Sea going tug boats
- River tug boats
- Push boats
- Freighters
- Dredges
- LCT
- Ferries

P3 Intermittent Duty

- Seasonal passenger vessels
- Fishing boats
- Pilot boats
- Commercial pleasure boats
- Pump boats
- Displacement sailboats
- Trawlers
- Bow thrusters

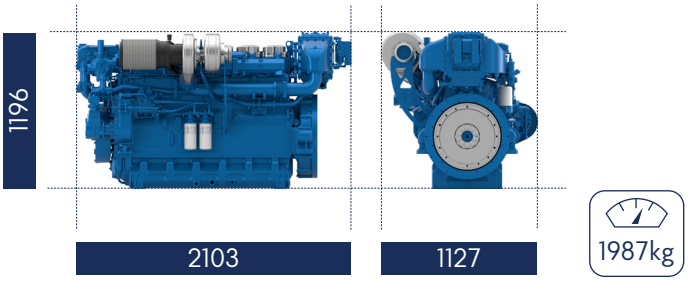
P4 Light Duty

- Private pleasure boats
- Multi-hull pleasure boats
- Survey or rescue fast vessels
- Military fast vessels.

P5 High performance Duty

- Private pleasure boats
- Multi-hull pleasure boats

Dimensions and dry weight (mm/kg)



Standard equipment

Cooling System	Two - stage cooling circuit with built - in HT thermostatic valve Integrated fresh water expansion tank High efficiency tubular heat exchanger Gear driven centrifugal raw water pump Self priming raw water pump with bronze impeller
Lubrication System	Full flow lube oil filters duplex type Fresh water cooled lube oil heat exchanger
Fuel System	Common-rail electronic injection High pressure pump with shielded high pressure injection rail and pipes Fuel oil filter duplex type External fuel pre-filter with water separator
Intake Air and Exhaust System	Double flow raw water cooled intake air heat exchanger module High efficiency dry turbocharger with ball bearing technology Single Stage Turbocharging system
Electrical System	Voltage: 24V DC insulated Electrical starter 175A battery alternator
Optional Equipment	Wet exhaust PTO elastic coupling Additional pulley Electric drain system Standard PTO for hydraulic pump Different alternators possible - inlcuding 12V **Please check with the Sales person to avail full list of options**

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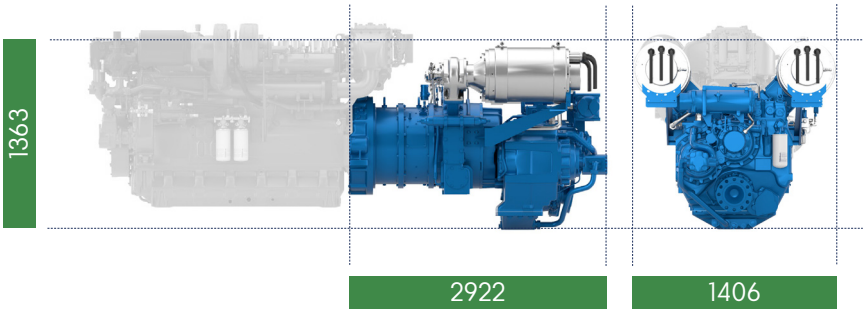
Hybrid Package

Dimensions (mm)



Emachine		
Std & autonomy	**300-75**	
Nominal torque	272	Nm
Nominal power	75	kW
Peak torque	396	Nm
Peak power	100	kW
Weight	185	kg
Performance	**2*300-75**	
Nominal torque	543	Nm
Peak power	200	kW
Weight	370	kg
Hybrid Module	**HM3350**	
PTI Ratio	0.88	
Weight	560	kg

Prop package dimensions		
Length	2922	mm
Height	1363	mm
Width	1406	mm
Interface	SAE 1/14"	

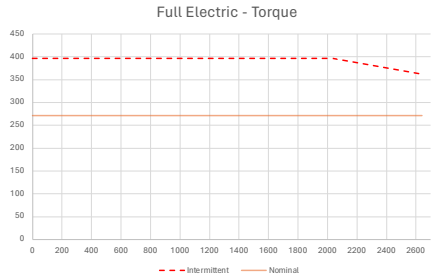
*Total hybrid package weight		
	Hybrid package	
Std	1135	kg
High Autonomy	1435	kg
Performance	1620	kg

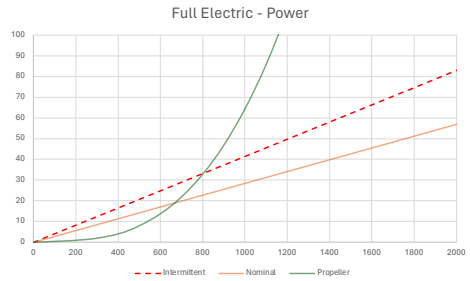
Battery Pack		
Std		
Technology	**LFP**	
Voltage (V)	288	V
Capacity (Ah)	100	Ah
Energy (kWh)	28.8	kWh
N Modules	3	
Module Dimensions	506x876x293	mm
Total Weight	390	kg

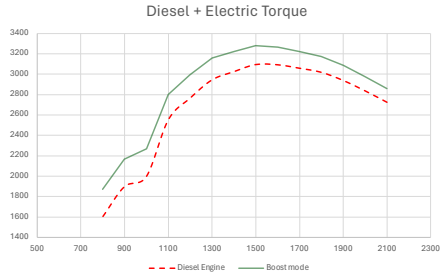
Autonomy		
Technology	**LFP**	
Voltage (V)	288	V
Capacity (Ah)	200	Ah
Energy (kWh)	57.6	kWh
N Modules	3	
Module Dimensions	619x955x352	mm
Total Weight	690	kg

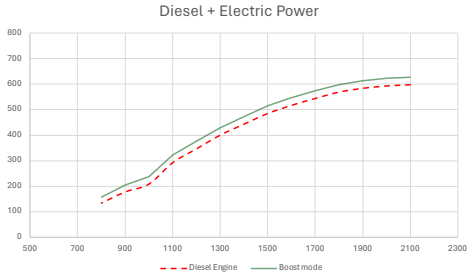
Full electric autonomy		
Std	1	h
Autonomy	2	h
Performance	1	h

Standard & High Performance Autonomy Configurations

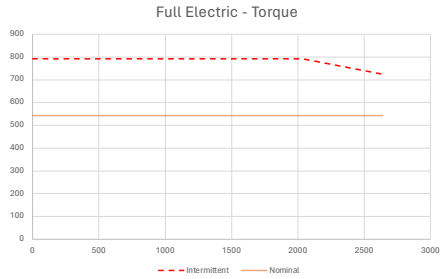


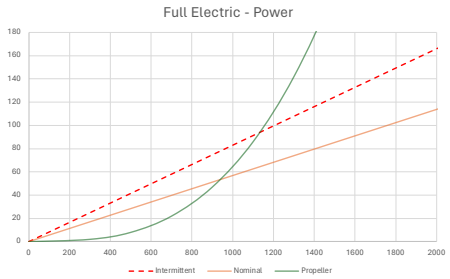


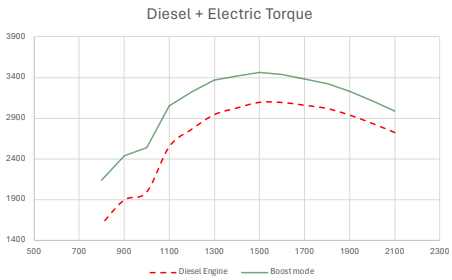


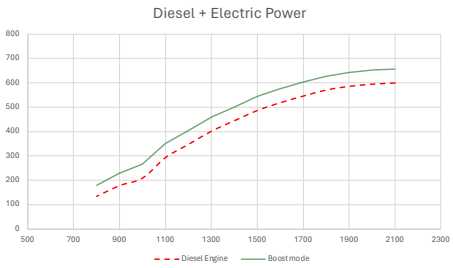


High Performance Configuration









Power definition

(Standard ISO 3046/1 - 1995 (F))

Reference conditions

Ambient temperature	25°C / 77°F
Barometric pressure	100 kPa
Relative humidity	30%R
Raw water temperature	25°C / 77°F

Fuel oil

Relative density	0,840 ± 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	0 ± 5% (DIN ISO 3046-1)
Inlet limit temperature	35°C /95°F

Our ratings also comply with classification societies maximum temperature definition without power derating.

Ambient temperature	45°C / 113°F
Raw water temperature	32°C / 90°F

XXXXXXXXXX Moteurs Baudouin reserve the right to modify these specifications, without notice. Document not contractual.