

I2M55

4 Stroke diesel engine, common rail injection

Number of cylinders	12
Bore and stroke (mm)	180 X 215
Total displacement (L)	39.2
Compression ratio	15/1
Engine rotation	counter clockwise
Idle speed	750
Flywheel	SAE 0
Flywheel housing	SAE 21"



Customer benefits

Genuine marine design, our engine is designed specifically for Marine applications with Marine components, such as individual cylinder heads and inspection doors that make maintenance easy even in the smallest of engine rooms

Global environment care with low exhaust emissions at any running cycle

Continuous compact power with reference performances in its category

Latest safe technology including electronic injection dynamic redundancy, high efficient ball bearing turbocharger, integrated circuits with 0 flexible hoses, and more

Life cycle cost efficiency with extended MTBO, modular concept reducing number of components and interfaces

Rated power - Fuel consumption

Duty	kW	HP	RPM	Fuel consumption			IMO
				Optimum value	Rated power		
				g/kWh	g/kWh	l/h	
P1	1800	2450	1600	188	189	409	II
	1912	2600	1800	192	193	462	II
P2	1985	2700	1600	187	188	434	II
	2205	3000	1800	189	194	515	II
P3	2536	3450	1800	187	200	612	II

	P1	P2	P3
Application	Unrestricted Continuous	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

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

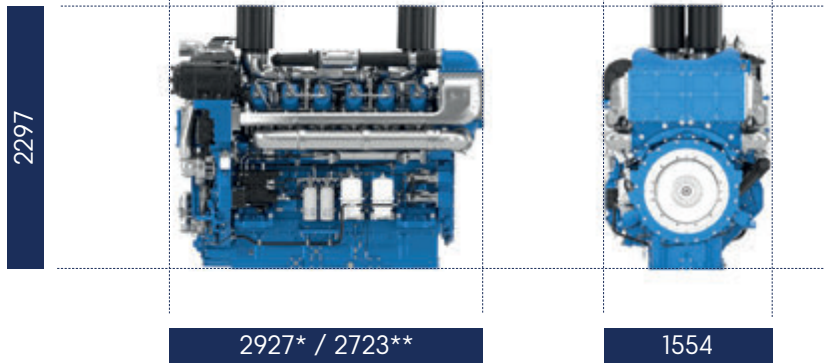
Relative density	0,840 ± 0,005
Lower calorific power	42 700 kJ/kg
Consumption tolerances	+ 5%
	(DIN ISO 3046-1)
Inlet limit temperature	35°C / 95°F

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

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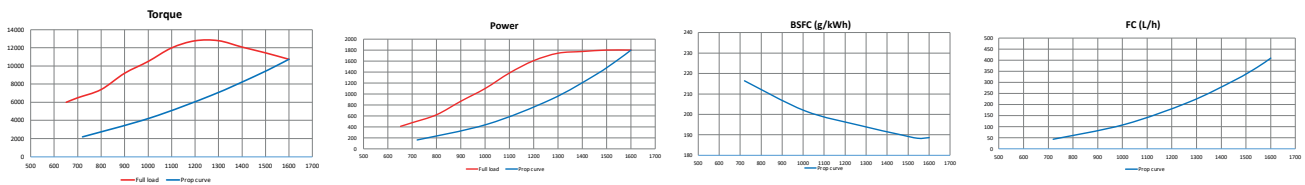
Dimensions and dry weight (mm/kg)



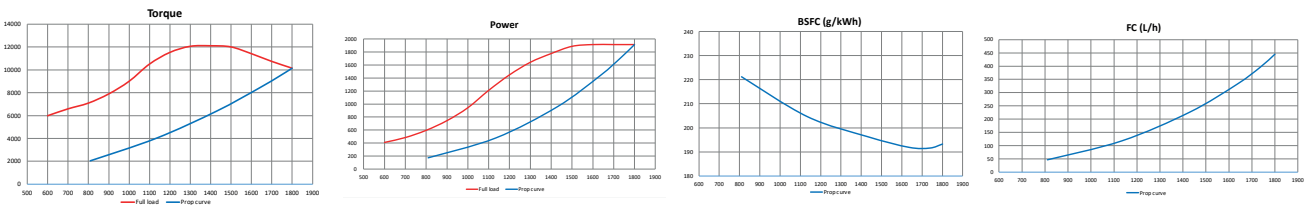
*total
**from flywheel

Performance

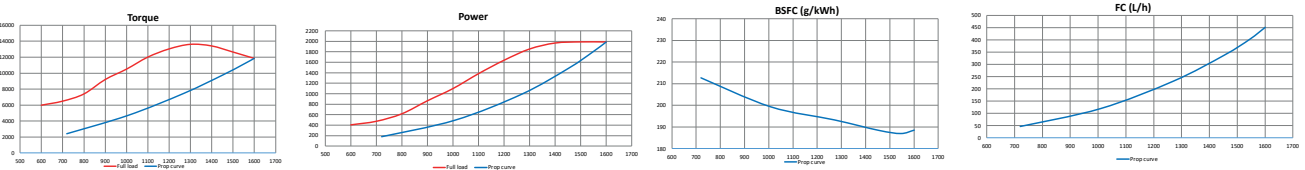
P1 - 1800 kW - 1600 rpm



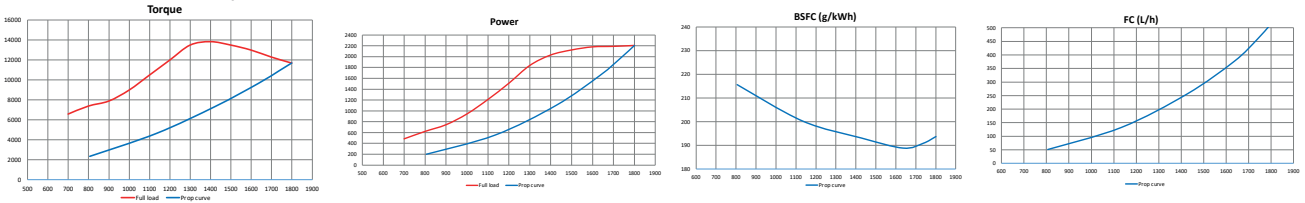
P1 - 1912 kW - 1800 rpm



P2 - 1985 kW - 1600 rpm



P2 - 2205 kW - 1800 rpm



P3 - 2536 kW - 1800 rpm

