

# 8F2I

Common rail diesel engine, 2-stage turbocharging

|                        |                   |
|------------------------|-------------------|
| Number of cylinders    | 8                 |
| Bore and stroke (mm)   | 127 X 165         |
| Total displacement (L) | 16.7              |
| Engine rotation        | counter clockwise |
| Idle speed             | 700               |
| Flywheel               | SAE 1             |
| Flywheel housing       | SAE 14"           |



### Customer benefits

**Most advanced Common Rail technology** and high-end injection system (2200 bar), key to achieve strict emissions regulations and competitive performances.

**Highly efficient turbochargers** optimized to operate with high performance keeping fuel consumption under control.

**Individual cylinder heads** allowing easy maintenance.

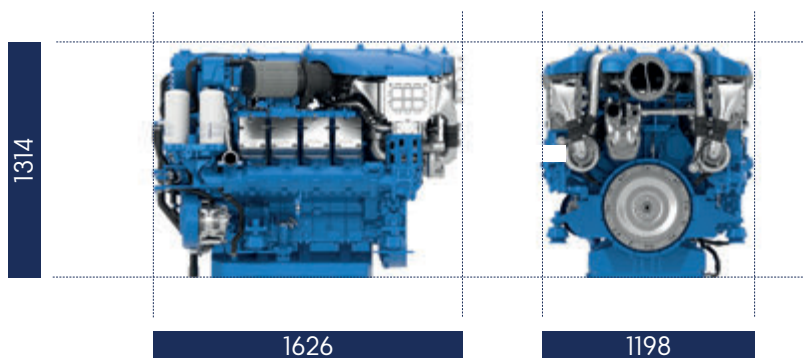
**Key components** made of highly reliable materials.

### Rated power - Fuel consumption

| Duty | kW   | HP   | RPM  | Fuel consumption |             |     | IMO |
|------|------|------|------|------------------|-------------|-----|-----|
|      |      |      |      | Optimum value    | Rated power |     |     |
|      |      |      |      | g/kWh            | g/kWh       | l/h |     |
| P3   | 809  | 1100 | 2300 | 211              | 215         | 212 | II  |
| P4   | 919  | 1250 | 2300 | 207              | 223         | 250 | II  |
| P5   | 1000 | 1360 | 2300 | 204              | 223         | 274 | II  |

|                            | P3           | P4              | P5               |
|----------------------------|--------------|-----------------|------------------|
| Application                | Intermittent | Light           | High performance |
| Engine load variations     | Important    | Very important  | Important        |
| Average Engine load factor | 60%          | 60%             | 60%              |
| Annual working time        | 1000-3000h   | less than 1500h | 500h             |
| Time at full load          | 2h each 12h  | 1h each 12h     | 1h each 12h      |

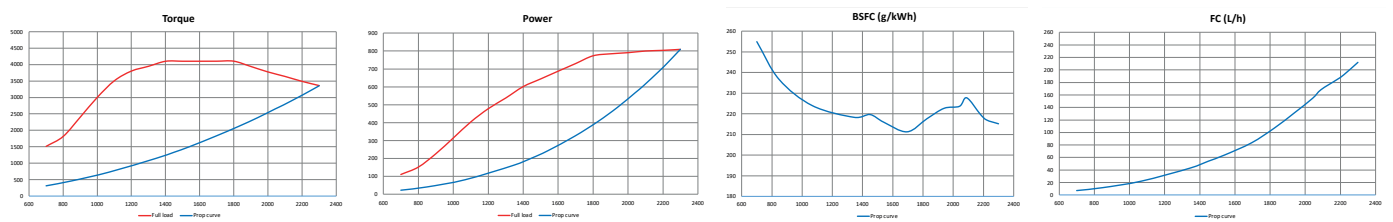
### Dimensions and dry weight (mm/kg)



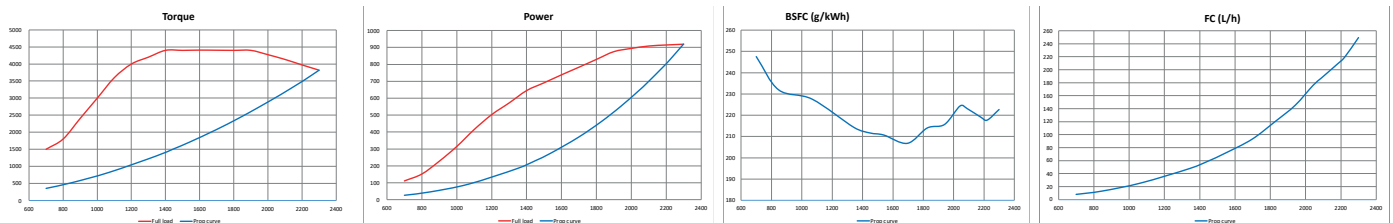
# 8F2I

## Performance

P3 - 809 kW - 2300 rpm



P4 - 919 kW - 2300 rpm



P5 - 1000 kW - 2300 rpm

