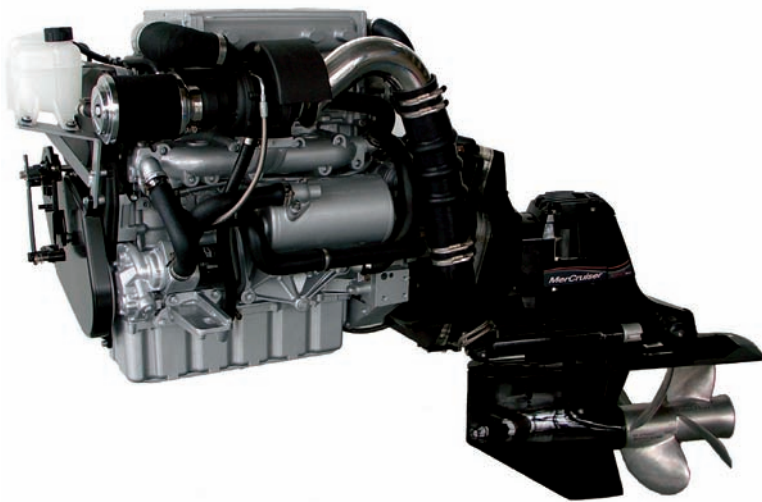




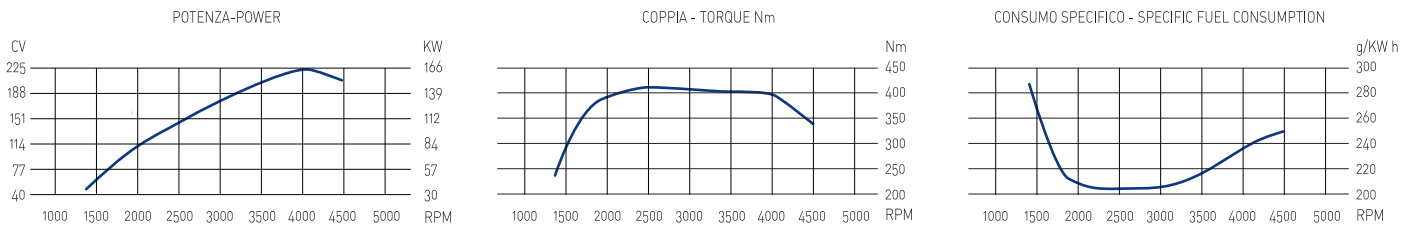
## MARINE DIESEL ENGINES



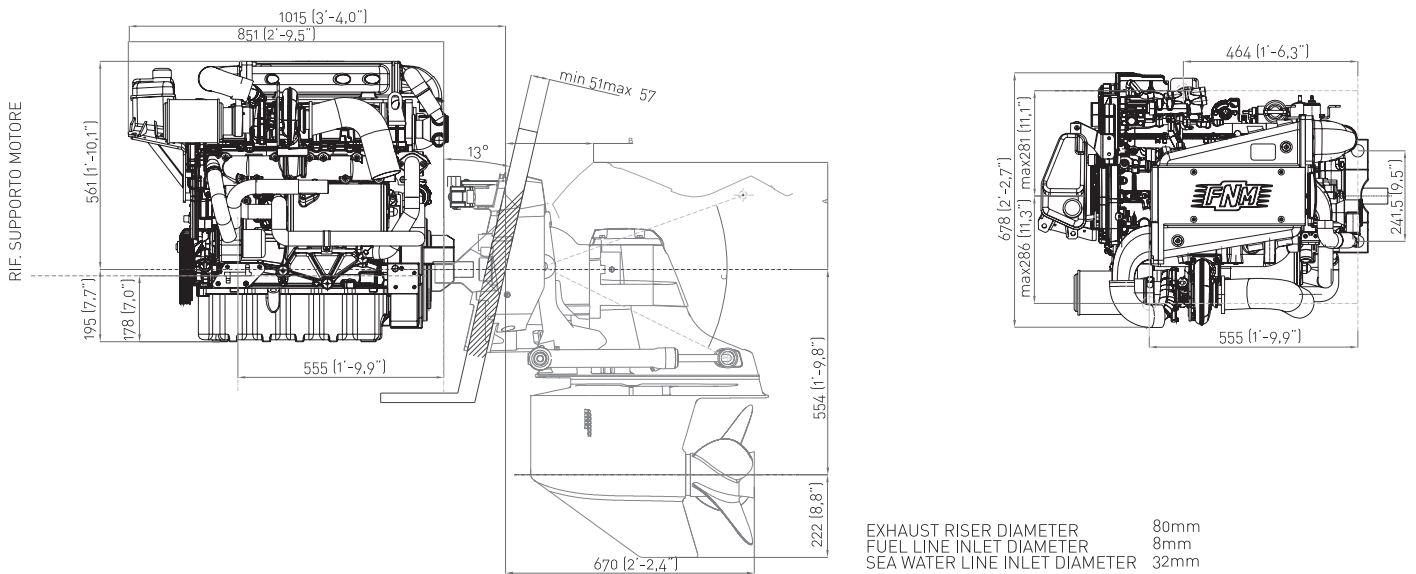
### FNM HPEP 225

|                                |   |
|--------------------------------|---|
| Configuration                  | 4-stroke cycle, twin camshaft, 20 V                   |
| Maximum output at crankshaft   | 165 kW/225 hp at 4000 rpm                             |
| Maximum output at propeller    | 157 kW/214 hp at 4000 rpm                             |
| Maximum torque                 | 416 Nm at 2500 rpm                                    |
| Displacement                   | 2.387 c.c.  |
| Bore x stroke                  | 82 x 90,4 mm  |
| Cylinders                      | 5, in-line  |
| Combustion system              | Direct injection Common Rail                          |
| Aspiration                     | Supercharged with variable geometry turbine           |
| Starting system                | Electric starting 12 V – 2,1 kW                       |
| Alternator                     | 12 V – 140 A  |
| Cooling system                 | Double water cooling system with heat exchanger       |
| Lubrication system             | Totally enclosed, forced lubricating system with pump |
| Max. mounting inclination      | 14°   |
| Dry weight without stern drive | 290 kg  |
| Environmental                  | RCD 2003/44/CE ed EPA TIER 2                          |
| Engine mounting                | Rubber type anti-vibration mounting                   |

Power according ISO 8665, tolerance 5%, Diesel fuel according EN 590



Dimensions (For detailed line-drawings, please refer to our website [www.fnm-marine.com](http://www.fnm-marine.com) or contact your supplier)



FNM HPEP 225 w/ Bravo X-1 stern drive

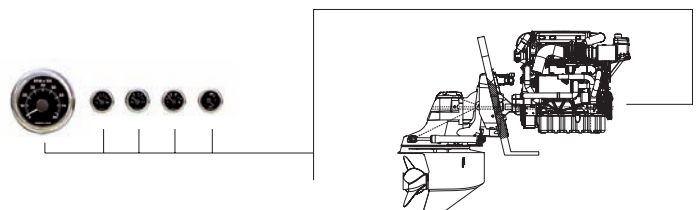
| DISTANZIAT. | A            | B            | C   |
|-------------|--------------|--------------|-----|
| 0           | 289 (11.37") | 264 (10.39") | 51° |
| 1           | 274 (10.78") | 286 (11.26") | 46° |
| 2           | 258 (10.15") | 305 (12.00") | 41° |

Available also with Bravo Two and Bravo Three stern drives

10/2009

### Instrument Panel

- VDO Oil pressure
- VDO Water temperature
- VDO Voltmeter
- VDO Rpm counter
- VDO Trim gauge
- 8 meter cable



### Accessories

#### Standard Package

- Bravo X-1 stern drive Red. 1,65:1
- Transom
- Set of flexible mounts
- Alternator 12 V – 105 A with built-in regulator
- Starter motor 12 V – 2,1 kW
- Oil and fuel filters
- Water-cooled exhaust manifold

- Bronze seawater pump
- Stainless steel seawater-cooled elbow
- High riser mixing and exhaust mixing elbows
- Original Mercruiser power steering system (complete)
- Racor filters
- Exhaust riser
- Instrument panel with 8 mt. cable and separate VDO gauges

#### Optional

- Dashboard single and double remote control
- CAN single and double remote control
- Stainless steel propellers for Bravo X-1

- Multiple Sterndrive Steering Tie Bar Arrangement
- Kit for boat internal heating
- 2 mt. auxiliary extension cable
- Flybridge instrument panel

Text and illustrations are not binding. CMD, owner of the FNM brand, reserves the right to introduce adaptations without prior notification. Compliant with the RCD 2003/44/CE and EPA TIER 2 emission standards.



[www.fnm-marine.com](http://www.fnm-marine.com)