

| | |
|---|---|
| Configuration | In line, 4-stroke cycle, water cooled diesel engine |
| Maximum output at crankshaft * | 162 kW (220 mhp) / 4000 rpm |
| Continuous rating output at crankshaft | 124 kW (167 mhp) 3600 rpm |
| Displacement | 2.993 L (183 cu in) |
| Bore x stroke | 84 mm x 90 mm (3.31 in x 3.54 in) |
| Cylinders | 6, Common Rail with vertical injectors |
| Combustion system | Direct injection |
| Aspiration | Wastegated, turbocharged with intercooler |
| Starting system | Electric starting 12 V - 2 kW |
| Alternator | 12 V - 150 A |
| Cooling system | Fresh water cooling with heat exchanger, and sea water cooled charge air cooler |
| Lubrication system | Totally enclosed, forced lubricating system with pump |
| Can Bus | According to NMEA 2000 protocol |
| Direction of rotation (crankshaft) | Counter clockwise viewed from Flywheel side |
| Dry weight without sterndrive | 315 kg (694 lbs) |
| Environmental | EU RCD, US EPA Tier 2, BSO II & EMC |
| Engine mounting | Rubber type antivibration mounts |

NOTE: Fuel condition: Density at 15°C = 0.84 g/cm³; 1kW = 1.3596 mhp = 1.3410 HP

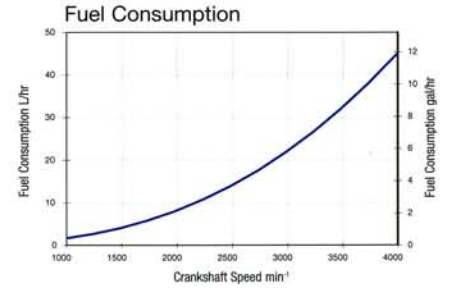
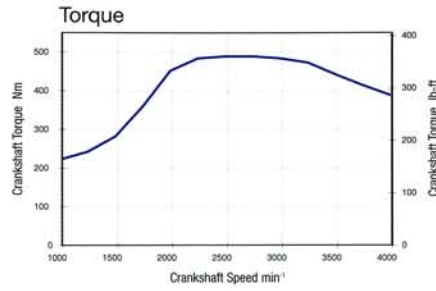
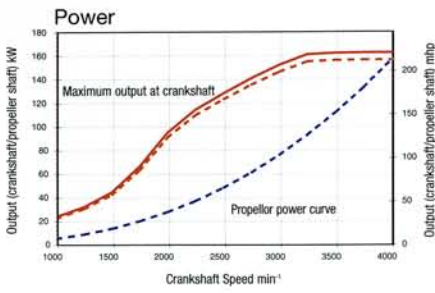
* Fuel temperature 40°C at the inlet of the fuel injection pump (ISO 8665)

Technical data is according to ISO 8665 / 3046

Dimensions (For detailed line-drawings, please refer to our web-site: www.yanmarmarine.com or contact your supplier)



Performance Curves (Output is according ISO 8665)

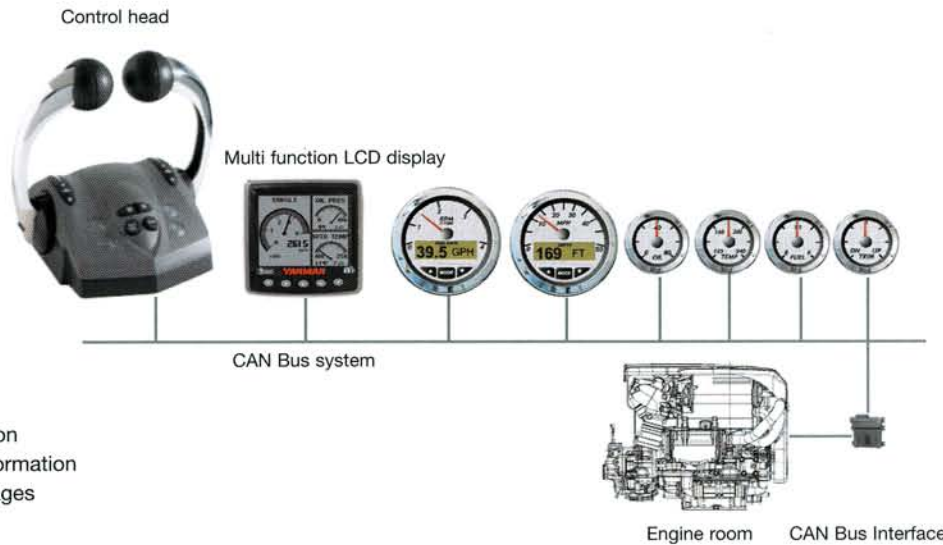


Yanmar sterndrive set Engine

| | | | | |
|---|---|-----------|-----------|-----------|
| Model | Yanmar Sterndrive ZT350 | | | |
| Type | ZT350 | | | |
| Dry weight with propellers | 112 kg (247 lbs) | | | |
| Reduction ratio (fwd/asn) | 1.65/1.65 | 1.78/1.78 | 1.97/1.97 | 2.18/2.18 |
| Propeller speed (fwd/asn) | 2424/2424 | 2247/2247 | 2030/2030 | 1835/1835 |
| Direction of rotation (propeller shaft - fwd) | Clockwise & counter clockwise viewed from flywheel side | | | |
| Dry weight engine with sterndrive | 427 kg (941 lbs) | | | |
| Length engine without sterndrive | 1001 mm (39 in) | | | |

- 1, Inner and outer transom surface must be parallel within 3mm in area covered by transom plates and remain within transom thickness limits.
- 2, Area covered by gimbal housing assembly must be flat to within 1.6mm.
- 3, Area covered by inner transom plate must be flat to within 3.2mm
- 4, Transom angle: 13° to 16°
- 5, Also available with: BravoX-1 and BravoX-2. Contact your local supplier for available configurations

Instrument Panels



- Multi function LCD display:
- engine information
 - maintenance information
 - diagnosis messages

Engine Accessories

Standard Engine Package System

- Alternator 12V - 150A single pole
- Protection cover for engine transmission
- Exhaust mixing Elbow
- Flexible Mounts
- Glow plug controller and related parts

Optional Engine Package System

- High riser mixing elbow
- Exhaust side dipstick
- Electrical Gearshift

Electronic Control System

Standard Electronic Control

- Electronic Control Head
- LCD display

Optional Electronic Control

- Various engine Monitoring gauges
- Various engine Control heads