



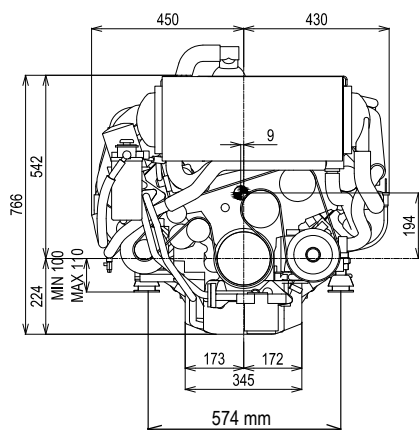
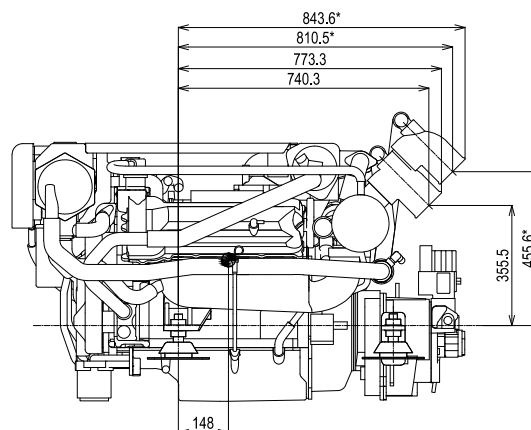
8LV-320/350/370 Series

| | | |
|------------------------------------|---|---------------------|
| Configuration | 4-stroke, water-cooled diesel engine | |
| Maximum output at crankshaft | *235 kW@3800 rpm | [320 mhp@3800 rpm] |
| | *257 kW@3800 rpm | [350 mhp@3800 rpm] |
| | *272 kW@3800 rpm | [370 mhp@3800 rpm] |
| Displacement | 4.460 L | [272.24 cu in] |
| Bore x stroke | 86 mm x 96 mm | [3.38 in x 3.78 in] |
| Cylinders | 8 in V-90° | |
| Combustion system | Direct injection common-rail system | |
| Aspiration | Turbocharged with twin TC | |
| Alternator | 12V - 180A | |
| Start-assist | Glow-plug system | |
| Cooling system | Fresh water cooling by centrifugal fresh water pump | |
| | Sea water cooling by rubber impeller seawater pump | |
| Lubrication system | Enclosed, forced lubricating system | |
| Direction of rotation [crankshaft] | Counterclockwise viewed from stern | |
| Dry weight without gear | 435 kg | [959 lbs] |
| Emission compliance | EU: RCD 2 | EMC |
| | US: EPA Tier 3 | IMO |
| Engine mounting | Rubber type flexible mounting | |

NOTE:Fuel condition: Density at 15°C = 0.84 g/cm³

* Fuel temperature 40°C at the inlet of the fuel injection pump [ISO 8665: 2006]

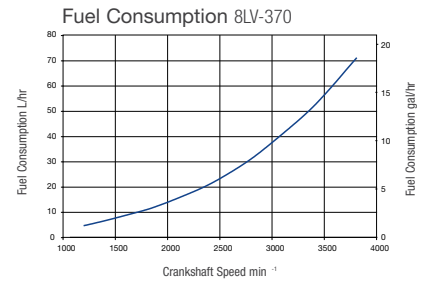
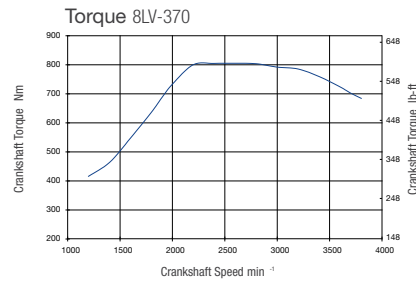
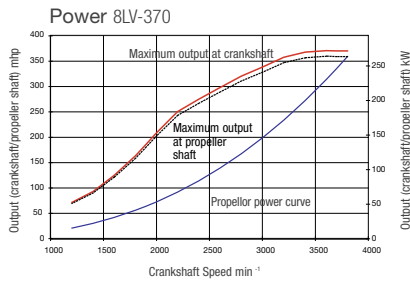
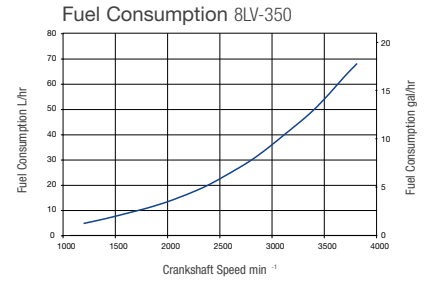
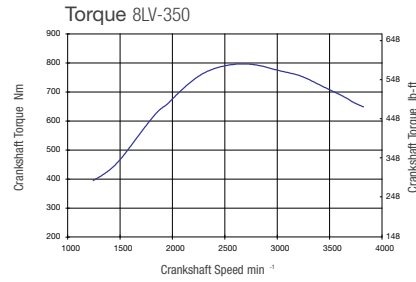
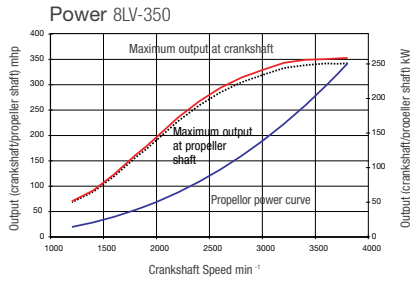
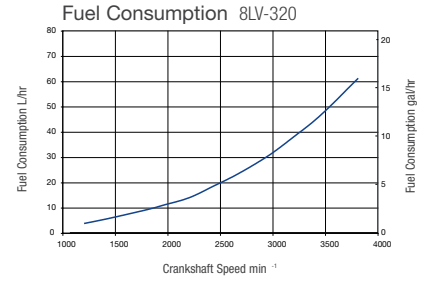
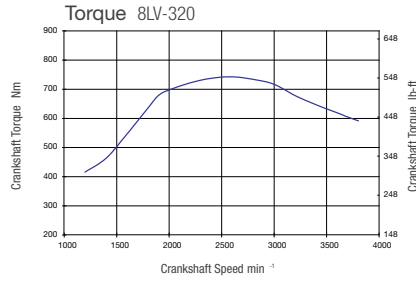
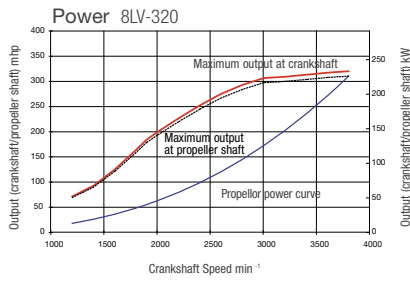
Technical data is according to ISO 8665: 2006/3046-1

DIMENSIONS**Gear view****Right side view**

8LV series with KMH50A marine gear



PERFORMANCE CURVES



MARINE GEARS / DRIVE*

| Model | KMH50A [down angle 8°] | KMH52V [integral V-drive 12°] |
|---------------------------------|---|---|
| Type | Hydraulic Actuated Multi-friction disc clutch | Hydraulic Actuated Multi-friction disc clutch |
| Dry weight** | 52 kg (115 lbs) | 77 kg (170 lbs) |
| Reduction Ratio [fwd/rev] | 1.67/1.67 2.13/2.13 2.43/2.43 | 1.22/1.22 1.58/1.58 2.08/2.08 2.47/2.47 |
| Direction of rotation | Clockwise or Counterclockwise | Clockwise or Counterclockwise |
| Lub oil specifications | API class: CF or higher SAE grade #30 | API class: CF or higher SAE grade #30 |
| Dry weight – engine & gear 1x** | 487 kg (1074 lbs) | 512 kg (1129 lbs) |

* Other marine gearboxes and configurations available upon request. Contact your local supplier for more information.
 ** Dry weight includes cooler, brackets and damper disk.

CONTROL SYSTEM

OPTIONAL ACCESSORIES

- YANMAR VC10 control system
- Electronic CAN-bus control-head
- Multi-function color display
- NMEA2000 or J1939 gauge output
- Second or third station - optional
- High-riser mixing elbow
- SOLAS kit
- Front-PTO pulley [V-belt type A or B]
- Hot water connector