



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:

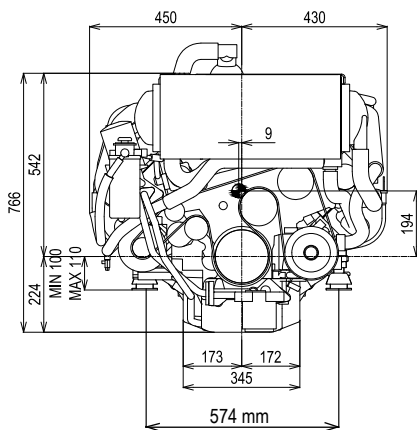
Fuel condition: Density at 15°C = 0.84 g/cm³

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

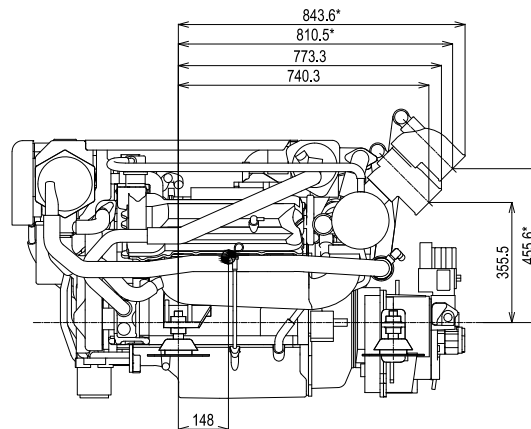
Technical data is according to ISO 8665: 2006/3046-1

DIMENSIONS

Gear view



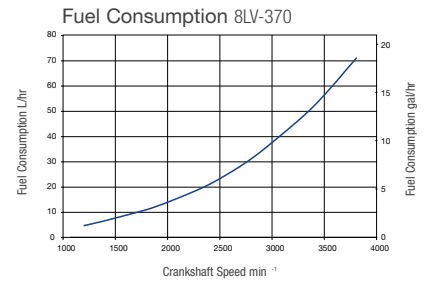
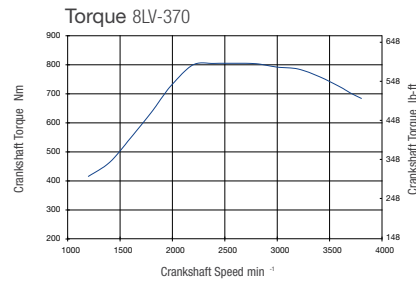
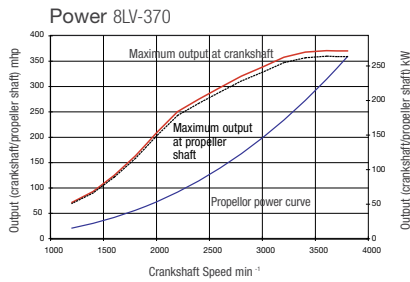
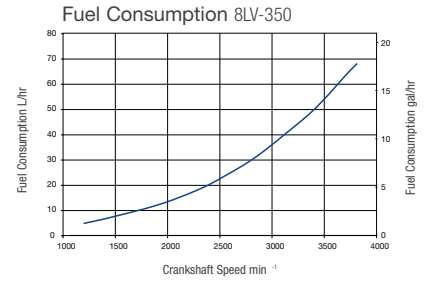
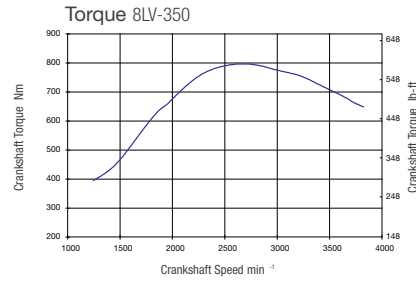
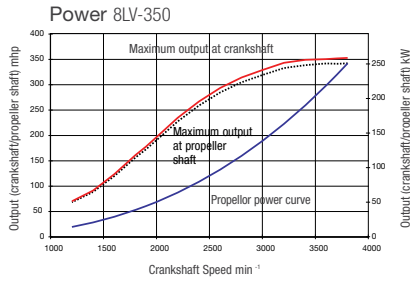
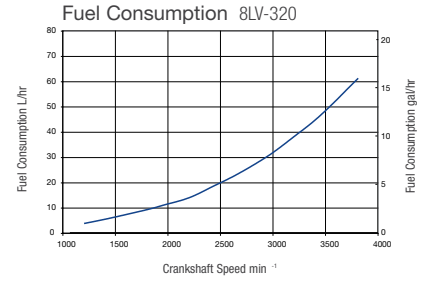
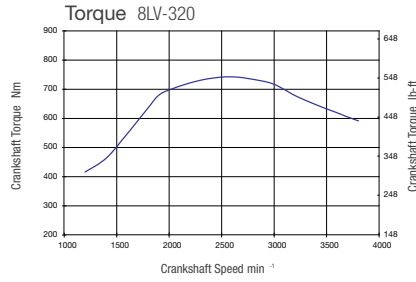
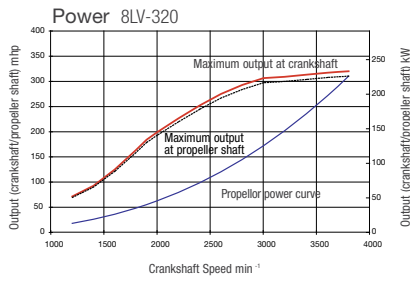
Right side view



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