

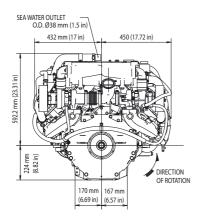


# 8LV-320Z / 8LV-370Z Series

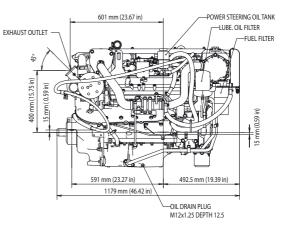
Configuration	4-stroke, vertical, water cooled diesel engine		
Maximum output at crankshaft according ISO 8665:2006	235 kW @ 3.800 rpm / 272 kW @ 3.800 rpm (320 mhp @ 3.800 rpm) / (370 mhp @ 3.800 rpm)		
Continuous rating output at crankshaft	214 kW @ 3,683 rpm / 248 kW @ 3.683 rpm		
Displacement	4,46 Ltr (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		
Compression Ratio	15:8		
Low Idle rpm	550 rpm		
Aspiration	Turbocharged with twin TC		
Electric system	12V		
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)	Counter clockwise viewed from flywheel side		
Dry weight without sterndrive	450 Kg (992 Lbs)		
Environmental	EU: RCD / US: EPA Tier3		
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) Dimensions (For detailed line-drawings, please refer to our web-site: www.yanmarmarine.com or contact your supplier)

## Gear view



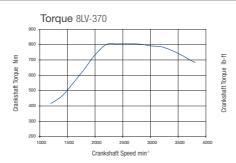
## Right side view

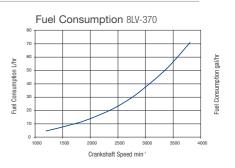




## Performance Curves (Output is according ISO 8665)







### Drive systems

Model	ZT370 (Steerable Z-drive with dual prop)		
Туре	Hydraulic Actuated Multi-friction disc clutch		
Dry Weight	100 Kg		
Reduction Ratio	1,65/1,65	1,78/1,78	
propellor speed	2424/2424	2247/2247	
Direction of rotation viewed from the stern	Clockwise (rear prop) & Counterclockwise (front prop)		
Lub oil specifications	API class: GL5 SAE grade #80W90		
Dry weight engine with sterndrive	550 kg (1213 lbs)		
Shift control	Mechanical or Electro-magnetic		
Trim range	-6° - +10°		
Trailer limit	51°		

### Control system

- Yanmar CAN-bus control system
- Electronic CAN-bus Control-head
- Multi-function colour display
- NMEA2000 or J1939 gauge output
- Second or third station optional