

8LV Series

320 mhp (235 kW) - 370 mhp (272 kW) - Full Throttle

THE PERFECT MATCH FOR NEW BOATS & REPOWERING



Yanmar Marine is dedicated to the needs and preferences of people who enjoy boating, and those who support them, all around the world. With regional headquarters in Europe, the United States, Asia and Japan, plus full-scale sales and service support facilities in more than 130 countries, Yanmar Marine provides engines, drive systems and accessories for all types of boats, from runabouts to sailing craft, from cruisers to luxury power boats. In pleasure boating, the worldwide reputation of Yanmar Marine is second to none.



Yanmar designs its marine engines with respect for nature.
Enjoy your boating with Yanmar and still hold on to nature's glow.



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ALL NEW V8 POWER WITH TRADITIONAL YANMAR DIESEL PERFORMANCE

8LV DIESEL STERNDRIVE & INBOARD

DESIGNED, DEVELOPED & MANUFACTURED BY YANMAR

PUSHING STANDARDS FORWARD – YET AGAIN

You will be astonished by the acceleration, top speed and fuel economy of Yanmar's new twinturbo 8LV320 and 8LV370 diesel engines. You'll be just as impressed by the amazingly low noise levels and the smooth ride. Add in all of those renowned Yanmar qualities of performance, reliability, durability and respect for nature and you have an engine that pushes marine standards to a new high.

For ski boats to fast sports craft to luxury cruisers – new build or repowering – the 8LV is at the forefront of today's propulsion technology, providing the kind of high end performance associated with V8 gasoline engines, but with all of the solid, long-life and cost-effective benefits of diesel. This V8 can be matched perfectly with Yanmar's latest twin-propeller sterndrive, the ZT370, or to a KMH50 inboard transmission. Yanmar remains dedicated to achieving maximum performance from minimum weight and the 8LV proves the point: another big displacement engine, weighing in dry at a mere 435 kilograms. The 8LV provides boaters with the best-in-class power band. It idles at 550 rpm,

capable of crawling speed in the marina, aided further by the hydraulic clutch of the ZT370 or KMH50 drive systems. Maximum engine speed is a big 3,800 rpm – well ahead of other engines in this segment. You can enjoy high power, high torque. Low noise, low vibration. You can go much further on a tank of fuel. There is the advantage of a 12 volt, 180 amp alternator to charge all your onboard electrics. The 8LV uses Yanmar's new CAN-bus control system, the Yanmar VCS, so you don't have to rely on anyone else. Then there is easy installation, simple servicing, and all that worldwide Yanmar support, wherever, whenever.



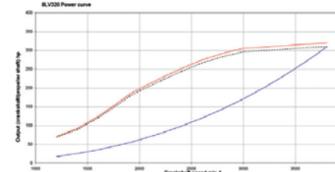
SPECIFICATIONS SUMMARY YANMAR 8LV320 & 8LV370

Configuration	4-stroke, vertical, water cooled diesel engine	
Cylinders	8 in V-90°	
	8LV320	8LV370
Maximum output crankshaft according to ISO 8665:2006	235 kW @ 3,800 rpm 320 mhp @ 3,800 rpm	272 kW @ 3,800 rpm 370 mhp @ 3,800 rpm
Continuous output crankshaft	214 kW @ 3,683 rpm	248 kW @ 3,683 rpm
Displacement	4.46 litres (272.24 cu in)	
Bore x Stroke	86 mm x 96 mm (3.38 in x 3.78 in)	
Combustion system	Direct injection with common-rail system	
Control system	Yanmar VCS CAN-bus	
Compression ratio	15:8	
Low idle rpm	550 rpm	
Aspiration	Twin turbocharged	
Electric system	12V	
Alternator	12V / 180A	
Start assistance	Glow plug system	
Cooling system	Fresh water cooling by centrifugal fresh water pump Sea water cooling by rubber impeller sea water pump	
Lubrication system	Enclosed, forced lubrication	
Rotation (crankshaft)	Counter clockwise viewed from flywheel side	
Dry weight without gear	435 Kg (959 lbs)	
Environmental	EU: RCD US: EPA Tier 3	
Engine mounting	Rubber type flexible	
Dimensions	Length 1122 mm Width 867 mm Height from cs centre 551 mm Height total 775 mm	

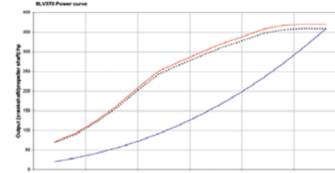


NOTES : fuel density at 15°C = 0.84 g/cm³; fuel temperature 40°C at the inlet of the fuel injection pump (ISO 8665:2006)

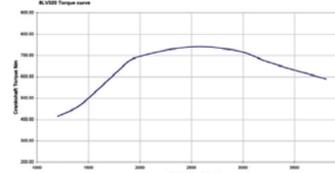
8LV320 Power



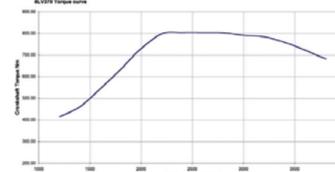
8LV370 Power



8LV320 Torque

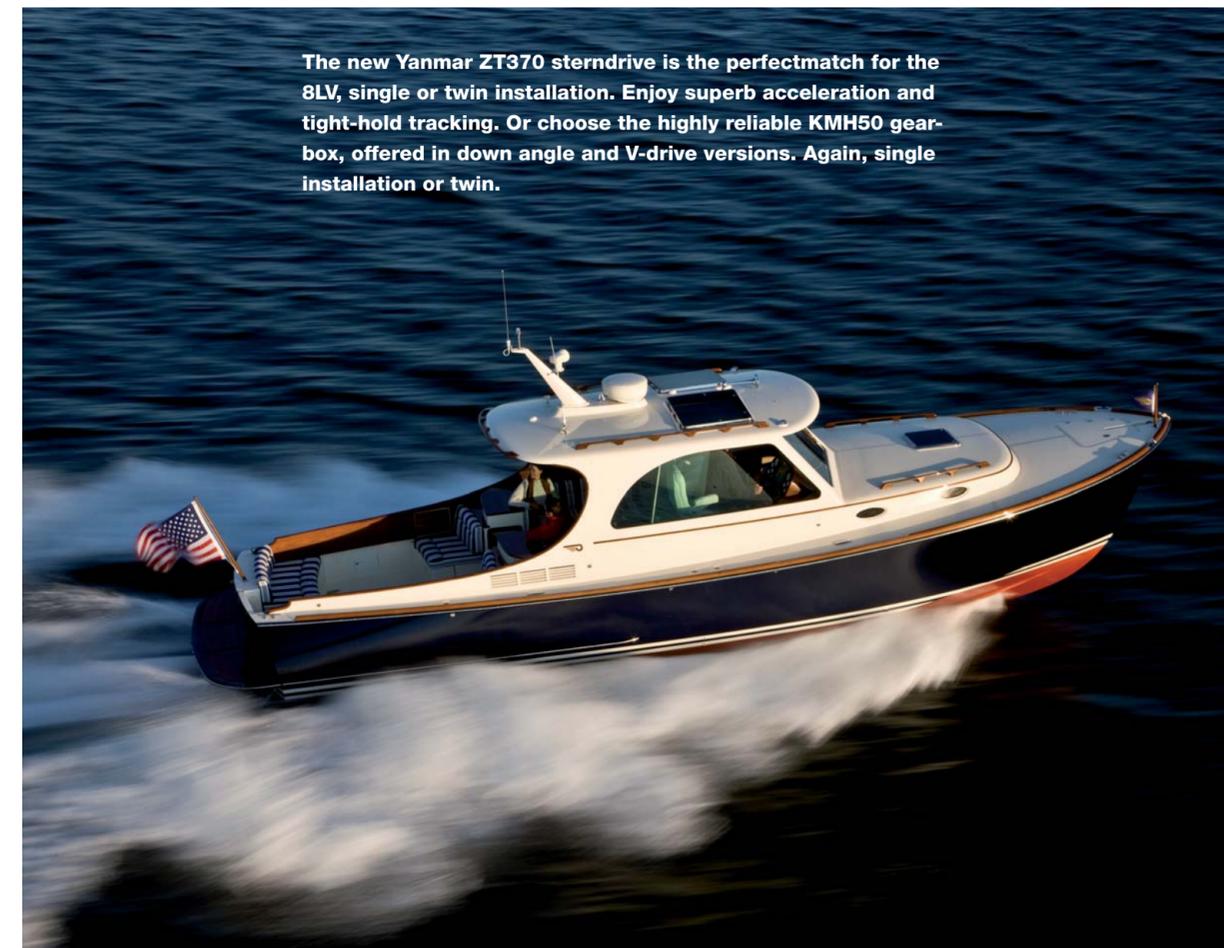


8LV370 Torque



YANMAR 8LV: FOR NEW BOATS & REPOWERING

- Twin-turbo V8 diesel with common-rail fuel injection
- Available with new ZT370 sterndrive or KMH50 transmission
- Benefits from Yanmar's VCS CAN-bus vessel control system
- Wide power band from low 550 rpm to high 3,800 rpm
- Designed for fuel economy and with outstanding cruising range
- Extremely high power, gripping acceleration and big torque
- Exceptionally low noise and minimised vibration
- Advantages of powerful 12V / 180A alternator



The new Yanmar ZT370 sterndrive is the perfect match for the 8LV, single or twin installation. Enjoy superb acceleration and tight-hold tracking. Or choose the highly reliable KMH50 gearbox, offered in down angle and V-drive versions. Again, single installation or twin.