



4LV Series - 150/170/195

Configuration	4-stroke, vertical, water-cooled diesel engine	
Maximum output at crankshaft*	110 kW@3500 rpm	[150 mhp@3500 rpm]
	125 kW@3500 rpm	[170 mhp@3500 rpm]
	143 kW@3500 rpm	[195 mhp@3500 rpm]
Displacement	2.755 L	[168 cu in]
Bore x stroke	92 mm x 103.6 mm	[3.6 in x 4 in]
Cylinders	4 in-line	
Combustion system	Direct injection with Denso common-rail system	
Low idle rpm	700 rpm	
Aspiration	Turbocharger + charge-air cooler	
Starting system	Electric starting 12V – 2 kW	
Alternator	12V - 130A	
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	332 kg	[732 lbs]
Emission compliance	EU: RCD 2, IMO	
	US: EPA TIER 3	
Engine mounting	Rubber type flexible	

NOTE:

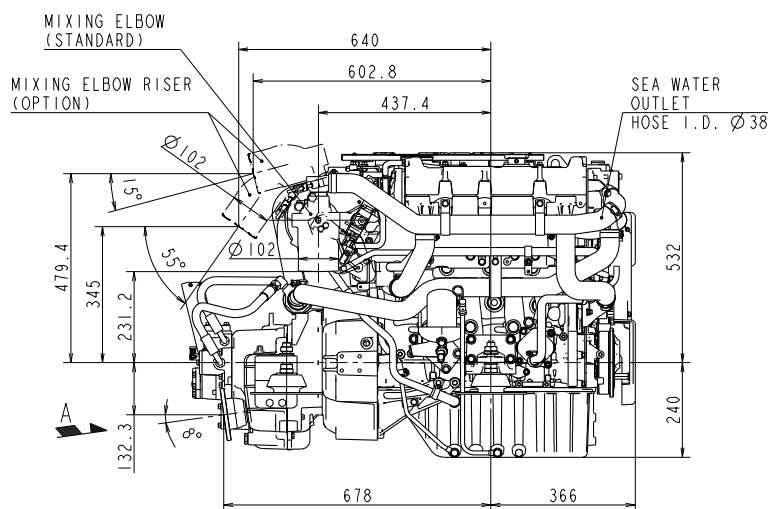
Fuel condition: Density at 15°C = 0.84 g/cm³; 1 kW = 1.3596 mhp = 1.3410 HP

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

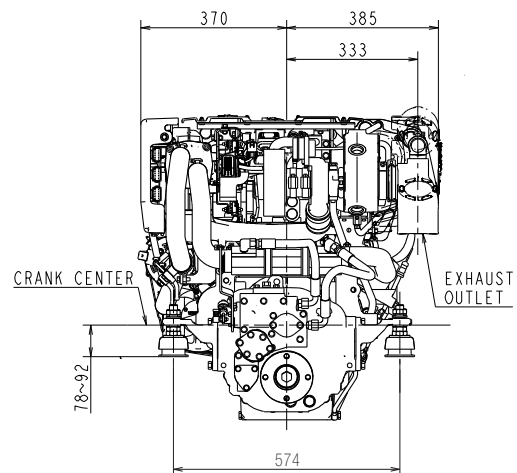
Technical data is according to ISO 8665: 2006

DIMENSIONS

Rear view



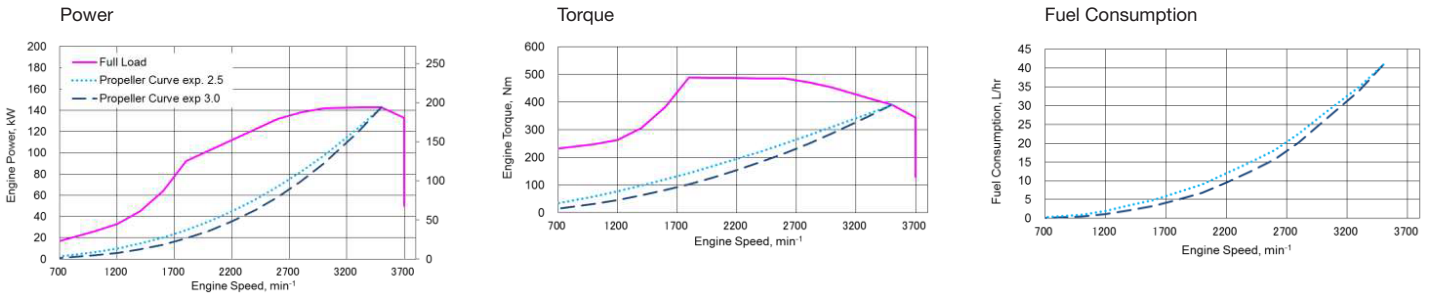
Right side view



4LV195 with KMH50A marine gear



PERFORMANCE CURVES - PRELIMINARY 195 MHP VERSION

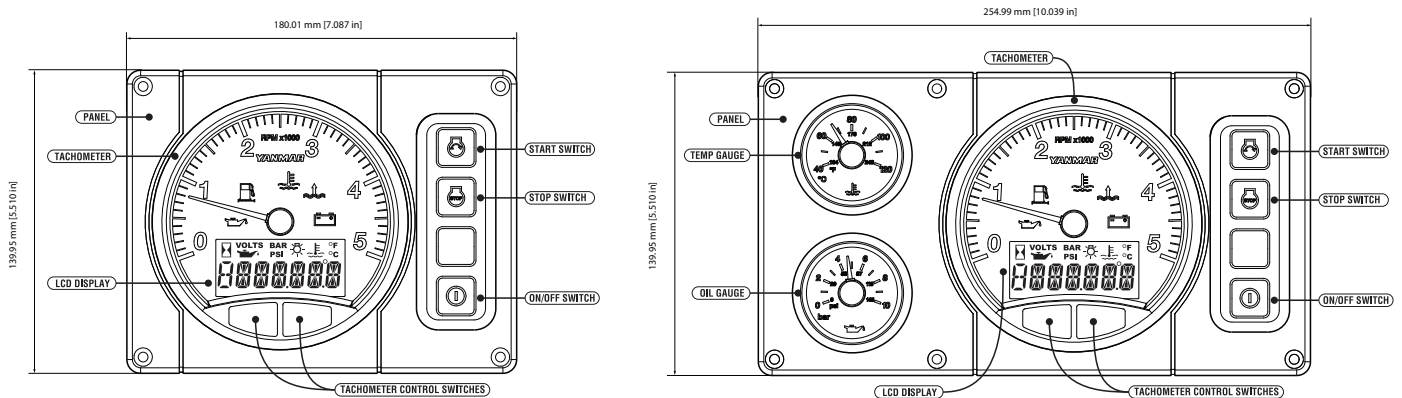


MARINE GEARS

Model	KM50A [down angle: 8°]		KM50V [down angle: 12°]	
Type	Hydraulic, multi disk clutch		Hydraulic, multi disk clutch	
Dry Weight*	52 kg [115 lbs]		75 kg [165 lbs]	
Reduction Ratio [fwd/asn]	2.04/2.04	2.45/2.45	2.04/2.04	2.45/2.45
Propeller speed [fwd/asn]	1569/1569	1306/1306	1569/1569	1306/1306
Direction of rotation [viewed from stern]	Clockwise & counterclockwise		Clockwise & counterclockwise	
Dry weight - engine & gear	384 kg [846 lbs]		407 kg [897 lbs]	
Length engine and gear/drive	1151 mm [45.3 in]		1151 mm [45.3 in]	

*Dry weight includes cooler and brackets

INSTRUMENT PANELS



B25 STANDARD

C35 OPTIONAL

ACCESSORIES

Standard Package

- Set of flexible engine mounts
- Exhaust mixing elbow [L-type]
- V-belt safety cover
- Fresh water expansion tank
- Alternator 12V - 130A
- Operation manual
- B25-panel
- Mechanical throttle sensor
- Oil sensor for instrument panel
- Engine topcover for protection

Optional

- Second alternator 12V - 150A or 24V - 80A
- High-riser mixing elbow [instead of L-elbow]
- Extension wire harness [3m, 5m, 10m]
- Hot water kit with cocks
- Second station
- C35-panel
- VC10 Vessel Control System
- Port side dipstick
- NMEA 2000 Engine monitoring system

NOTE: All data subject to change without notice. Text and illustrations are not binding.