



# 4JH4-HTE Series

Configuration	4-stroke, vertical, water-cooled diesel engine		
Maximum output at crankshaft	* 80.9 kW@3200 rpm	[110 mhp@3200 rpm]	
Displacement	1.995 L	[121.7 cu in]	
Bore x stroke	84 mm x 90 mm	[3.31 in x 3.54 in]	
Cylinders	In-line		
Combustion system	Direct injection		
Aspiration	Turbocharged with intercooler		
Starting system	Electric starting 12V - 1.4 kW		
Alternator	12V - 125A		
Cooling system	Fresh water cooling by centrifugal water pump and rubber impeller sea water pump		
Lubrication system	Enclosed, forced lubricating system		
Direction of rotation [crankshaft]	Counterclockwise viewed from stern		
Dry weight without gear	217 kg	[478 lbs]	
Emission compliance	EU: RCD 1	BSO II	EMC
	US: EPA Tier 2		
Engine mounting	Rubber type flexible mounts		

**NOTE:**

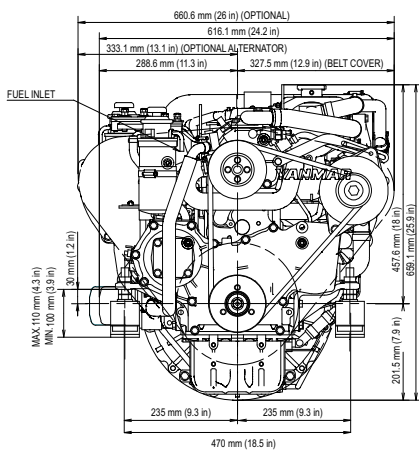
Fuel condition: Density at 15°C = 0.84 g/cm<sup>3</sup>; 1 kW = 1.3596 mhp = 1.3410 HP

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

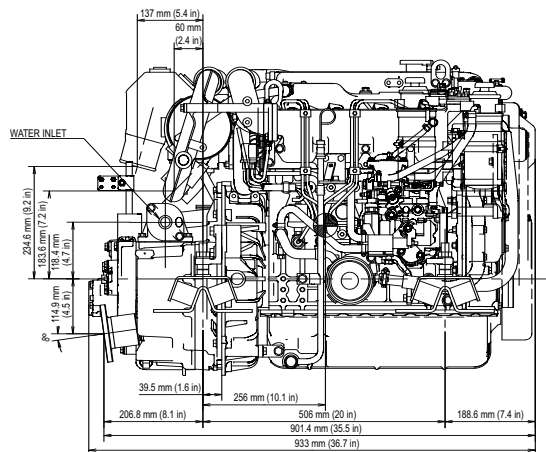
Technical data is according to ISO 8665: 2006/3046-1

**DIMENSIONS**

**Rear view**



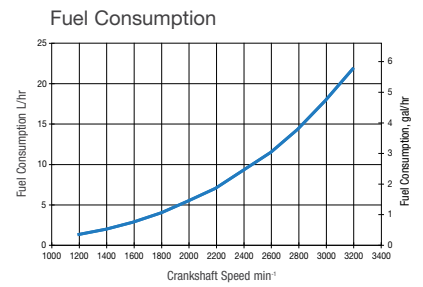
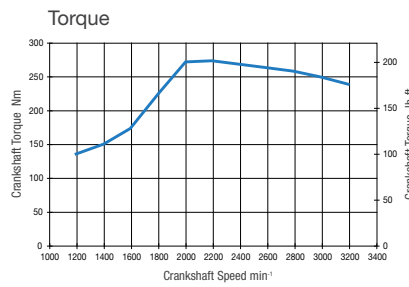
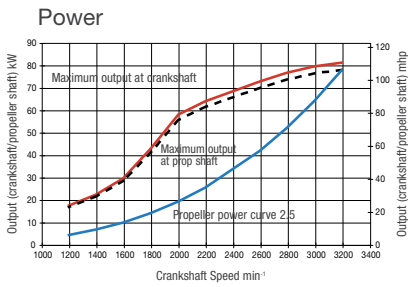
**Right side view**



4JH4-HTE with KMH4A marine gear



PERFORMANCE CURVES



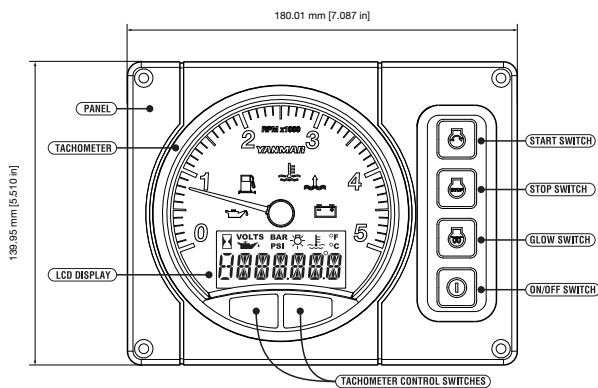
MARINE GEARS/DRIVE\*

Model	ZF30M parallel	KM4A2 [down angle: 7°]	KMH4A [down angle: 8°]	ZF25A [down angle: 8°]
Type	Mechanical wet multi-disc clutch	Mechanical wet cone clutch	Hydraulic, wet multi-disc	Hydraulic, wet multi-disc
Dry weight**	28 kg [61 lbs]	28.5 kg [63 lbs]	30 kg [66 lbs]	30 kg [66 lbs]
Reduction Ratio [fwd/rev]	2.15/2.64 2.70/2.64	1.47/1.47 2.14/2.14 2.63/2.63	2.04/2.04 2.45/2.45	1.93/1.93 2.48/2.48
Propeller speed [fwd/rev]	1488/1212 1185/1212	2177/2177 1495/1495 1217/1217	1569/1569 1306/1306	1658/1658 1290/1290
Direction of rotation (viewed from stern)	Clockwise	Clockwise & Counterclockwise	Clockwise & Counterclockwise	Clockwise & Counterclockwise
Dry weight - engine & gear**	245 kg [540 lbs]	245.5 kg [541 lbs]	247 kg [545 lbs]	247 kg [545 lbs]
Length engine and gear/drive	923 mm [36 in]	903 mm [35 in]	933 mm [37 in]	1017 mm [40 in]

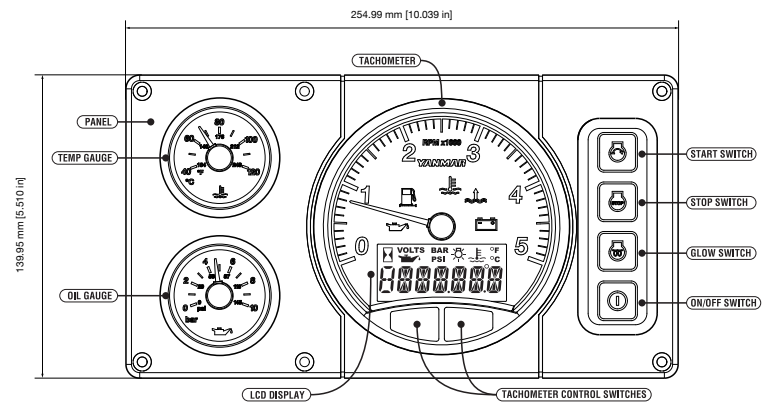
\* Other marine gearboxes and configurations available upon request. Contact your local supplier for more information.

\*\* Dry weight includes cooler, brackets and damper disk.

INSTRUMENT PANELS



B20-panel



C30-panel

ACCESSORIES

Standard engine package

- Set of flexible mounts
- Exhaust mixing elbow [L-type]
- Belt safety cover
- Expansion tank for fresh water cooling system
- Alternator 12V - 125A
- Electric stop solenoid
- Operation manual
- Sensor for instrument panel
- B20-panel

Optional accessories

- Second alternator 12V - 130A or 24V - 75A, including smart regulator
- High-riser mixing elbow [instead of L-elbow]
- Extension wire harnesses [4m, 6m 10m]
- Hot water kit with cocks
- Dual Harness (For 2nd Station)
- C30-panel
- Sensor for C-30 panel

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