

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 ltr	[121.7 cu in]			
Bore x stroke	84 mm x 90 mm	[3.31 in x 3.54 in]			
Cylinders	4, 4-valves per cylinder				
Combustion system	Direct injection				
Aspiration	Turbocharged				
Starting system	Electric starting 12V - 1.4 kW				
Alternator	12V - 80A				
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 flywheel side				
Dry weight without gear	217 kg	[478 lbs]			
Environmental	EU: RCD	BSO II	EMC		
	US: EPA Tier 2				
Engine mounting	Rubber type flexible mounts				

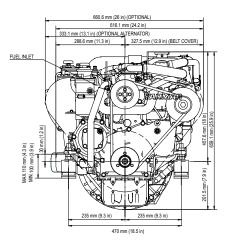
NOTE:

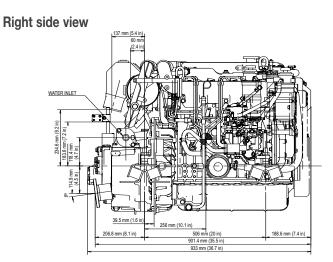
Fuel condition: Density at 15° C = 0.84 g/cm³; 1 kW = 1.3596 mhp = 1.3410 HP

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

DIMENSIONS

Rear view





4JH4-HTE with KMH4A marine gear

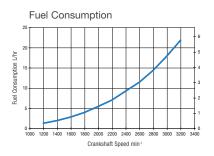
^{*} Fuel temperature 40°C at the inlet of the fuel injection pump [ISO 8665]



PERFORMANCE CURVES



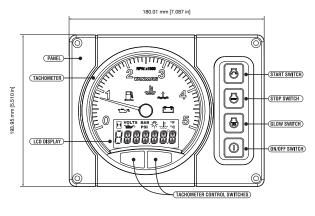


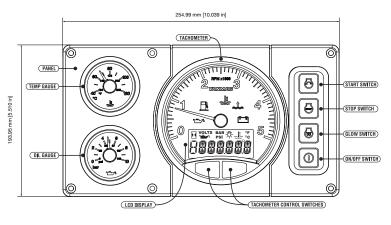


MARINE GEARS/DRIVE

Model	ZF30M parallel		KM4A2 [down angle: 7°)		KMH4A [down angle: 8°]		ZF25A [down angle: 8°]		
Туре	Mechanical multi-disc		Mechanical wet cone clutch		Hydraulic, wet multi-disc		Hydraulic, wet multi-disc		
Dry Weight	28 kg [28 kg [61 lbs]		30 kg [66 lbs]		31 kg [68 lbs]		30 kg [66 lbs]	
Reduction Ratio [fwd/asn]	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 at cont. rating [fwd/asn]	1488/1212	1185/1212	2177/2177	1495/1495	1217/1217	1569/1569	1306/1306	1658/1658	1290/1290
Direction of rotation [propeller shaft - fwd]		Clockwise viewed from flywheel side		Clockwise & Counterclockwise viewed from flywheel side		Clockwise & Counterclockwise viewed from flywheel side		Clockwise & Counterclockwise viewed from flywheel side	
Dry weight - engine & gear	245 kg [540 lbs]		247 kg [545 lbs]		248 kg [547 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]		

INSTRUMENT PANELS





B20 STANDARD C30 OPTIONAL

ACCESSORIES

Standard Package

- · Set of flexible mounts
- Exhaust mixing elbow [L-type]
- V-belt safety cover
- Expansion tank for fresh water cooling system
- Alternator 12V 80A
- Electric stop solenoid
- Operation manual
- B20-panel
- Sensor for instrument panel

Optional

- Second alternator 12V 130A or 24V 75A, including smart regulator
- High-riser mixing elbow [insted of L-elbow]
- Extension wire harnesses [4m, 6m 10m]
- Hot water kit with cocks
- Second station harness
- C30-panel
- Sensor for C-30 panel

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