For Your Convenience: This Yanmar File Is Shared By Diesel Parts Direct



YOUR ONE STOP SUPERSTORE FOR DIESEL ENGINE PARTS

**SHOP NOW** 





## **MARINE DIESEL ENGINES**

# **4JH80 Common Rail Series**

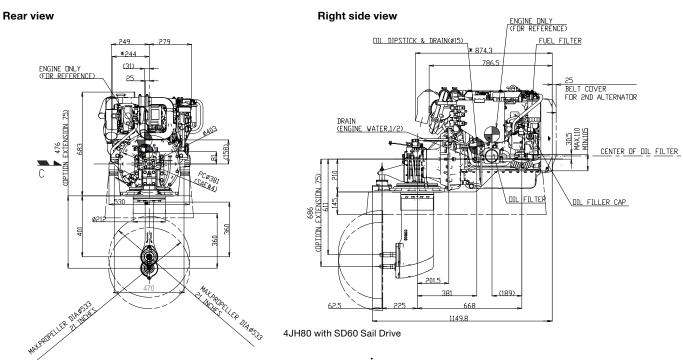
Configuration	4-stroke, vertical, water-cooled diesel engine				
Maximum output at crankshaft	* 58.8 kW@3200 rpm	[80 mhp@3200 rpm]			
Displacement	2.000 L	[122 cu in]			
Bore x stroke	84 mm x 90 mm	[3.31 in x 3.54 in]			
Cylinders	In-line				
Combustion system	Direct injection with Bosch common-rail system				
Aspiration	Turbocharged with intercooler				
Starting system	Electric starting 12V - 1.4 kW				
Alternator	12V - 125A				
Cooling system	Fresh water cooling by centrifugal fresh 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	229 kg	[505 lbs]			
Emission compliance	EU: RCD 2	BSO II	EMC		
	US: EPA Tier 3				
Engine mounting	Rubber type flexible mounting				

## NOTE:

Fuel condition: Density at  $15^{\circ}\text{C} = 0.84 \text{ g/cm}^3$ : 1 kW = 1.3596 mhp = 1.3410 HP

Technical data is according to ISO 8665: 2006

## **DIMENSIONS**

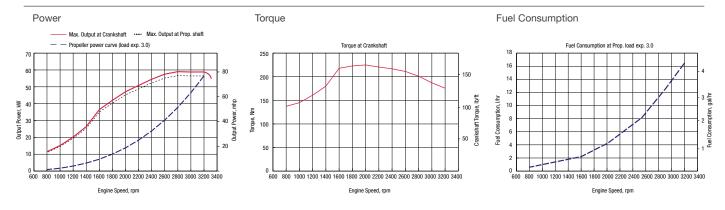


 $<sup>^{\</sup>star}$  Fuel temperature 40°C at the inlet of the fuel injection pump [ISO 8665: 2006]





#### PERFORMANCE CURVES

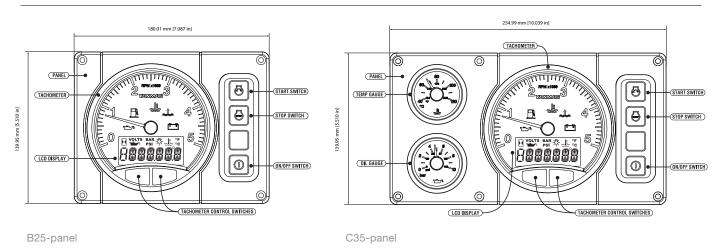


#### MARINE GEARS/DRIVE\*

Model	KMH4A [down angle: 8°]		ZF25A [down angle: 8°]		KM4A2 [down angle: 7°]		ZF30M		Saildrive SD60		
Туре	Hydraulic, multi disk clutch		Hydraulic, multi disk clutch		Mechanical cone clutch		Mechanical multi-disc		Mechanical wet type multi-disc		
Dry weight**	30 kg [66 lbs]		24 kg [53 lbs]		28.5 kg [63 lbs]		28 kg [62 lbs]		45 kg [99 lbs]		
Reduction Ratio [fwd/rev]	2.04/2.04	2.45/2.45	1.93/1.93	2.48/2.48	1.47/1.47	2.14 / 2.14	2.63/2.63	2.15/2.64	2.70/2.64	2.23/2.23	2.49/2.49
Propeller speed [fwd/rev]	1569/1569	1306/1306	1658/1658	1290/1290	2177/2175	1495/1494	1217/1216	1488/1212	1185/1212	1488/1212	1185/1212
Direction of rotation (viewed from stern)	Clockwise & counterclockwise		Clockwise & counterclockwise		Clockwise & counterclockwise		Clockwise		Bi-rotation		
Dry weight - engine & gear**	259 kg [571 lbs]		253 kg [558 lbs]		257.5 kg [568 lbs]		256 kg [564 lbs]		274 kg [604 lbs]		
Length engine and gear/drive	907 mm [35.7 in]		905 mm [35.6 in]		909 mm [35.8 in]		925 mm [36.4 in]		1150 mm [45.3 in]		

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

#### **INSTRUMENT PANELS**



## ACCESSORIES

#### Standard engine package

- Set of flexible engine mounts
- Exhaust mixing elbow [L-type]
- · V-belt safety cover
- Fresh water expansion tank
- Alternator 12V 125A
- Operation manual
- B25-panel
- Sensors for instrument panel
- Seawaterpump front mounted
- Engine Topcover for protection
- Emergency stop switch

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

#### **Optional accessories**

- Second alternator 12V 125A or 24V 60A
- High-riser mixing elbow [instead of L-elbow]
- Extension wire harness [3m, 5m, 10m]
- · Hot water kit with cocks
- Dual Harness (For 2nd Station)
- C35-panel
- Oil pressure sensor for C35-panel
- Extension saildrive leg [75 mm]
- Propeller cone nut kit SD60
- NMEA 2000 convertor for Engine monitoring system

 $<sup>^{\</sup>star\star}$  Dry weight includes cooler, brackets and damper disk.