

4JH5E Series

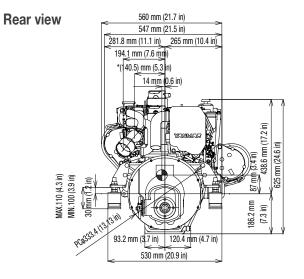
Configuration	4-stroke, vertical, water-cooled diesel engine						
Maximum output at crankshaft	* 39.6 kW@3000 rpm [53.1 mhp@3000						
Displacement	2.19 ltr	[134 cu in]					
Bore x stroke	88 mm x 90 mm						
Cylinders	4 in line						
Combustion system	Direct injection						
Aspiration	Natural aspiration						
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 flywheel side						
Dry weight without gear	201 kg	[443 lbs]					
Environmental	EU: RCD	BSO II	EMC				
	US: EPA Tier 3						
Engine mounting	Rubber type flexible mounts						

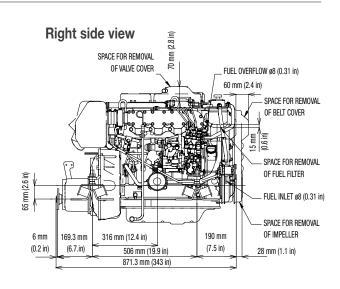
NOTE:

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: 2006/3046-1

DIMENSIONS



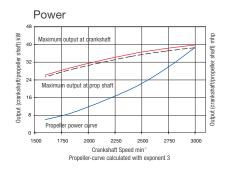


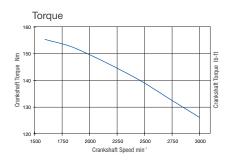
4JH5E with KM35P marine gear

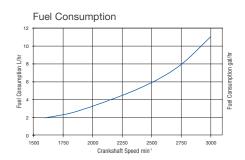
 $^{^{\}star}$ Fuel temperature 40°C at the inlet of the fuel injection pump [ISO 8665: 2006]



PERFORMANCE CURVES



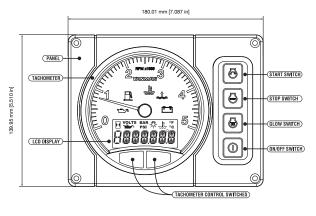


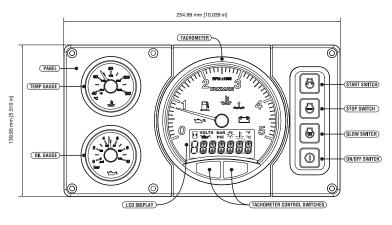


MARINE GEARS/DRIVE

Model	KM35P		KM35A2 [down angle: 7°]		KM4A1 [down angle: 7°]		ZF30M		Saildrive SD60		
Туре	Mechanical cone clutch		Mechanical cone clutch		Mechanical cone clutch		Mechanical multi-disc		Mechanical wet type multi-disc		
Dry Weight	12 kg [27 lbs]		13 kg [29 lbs]		29 kg [64 lbs]		28 kg [61 lbs]		40 kg [88 lbs]		
Reduction Ratio [fwd/asn]	2.36/3.16	2.61/3.16	2.33/3.06	2.64/3.06	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/asn]	1271/949	1149/949	1288/980	1136/980	2041/2041	1402/1402	1141/1141	1395/1136	1111/1136	1345/1345	1205/1205
Direction of rotation [propeller shaft - fwd]	Clockwise		Clockwise		Clockwise		Clockwise		Clockwise & counterclockwise viewed from stern		
Dry weight - engine & gear	213 kg [469.5 lbs]		214 kg [471.7 lbs]		214 kg [471.7 lbs]		229 kg [505 lbs]		241 kg [531 lbs]		
Length engine and gear/drive	871 mm [34 in]		864 mm [34 in]		922 mm [36 in]		950 mm [37 in]		1113 mm [44 in]		

INSTRUMENT PANELS





B20 STANDARD

C30 OPTIONAL

ACCESSORIES

Standard Package

- Set of flexible engine mounts
- Exhaust mixing elbow [L-type]
- V-belt safety cover
- Fresh water expansion tank
- Alternator 12V 125A
- 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 [instead of L-elbow]
- Extension wire harness [4m, 6m, 10m]
- · Hot water kit with cocks
- Second station harness
- C30-panel
- Sensor for C30-panel
- Extension saildrive leg [75 mm]
- Propeller cone nut kit SD60

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