

4JH57 Common Rail Series

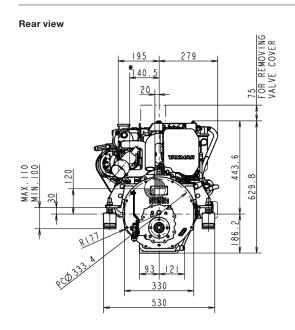
Configuration	4-stroke, vertical, water-cooled diesel engine					
Maximum output at crankshaft	*41.9 kW@3000 rpm	[57 mhp@3000 rpm]				
Displacement	2.19 ltr	[134 cu in]				
Bore x stroke	88 mm x 90 mm	[3.46 in x 3.54 in]				
Cylinders	4 in line					
Combustion system	Direct injection with common rail system					
Aspiration	Natural aspiration					
Starting system	Electric starting 12V - 1.4 kW					
Alternator	12V - 120A					
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	214 kg	[471 lbs]				
Environmental	EU: RCD	BSO II	EMC			
	US: EPA Tier 3					
	US. EPA TIELS					

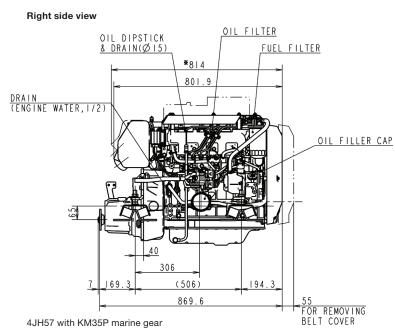
NOTE:

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



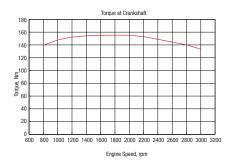


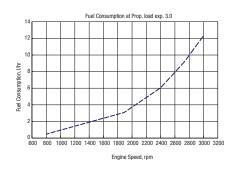
 $^{^{\}star}$ Fuel temperature 40°C at the inlet of the fuel injection pump [ISO 8665: 2006]



PERFORMANCE CURVES



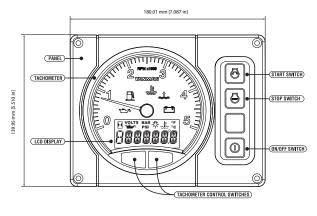


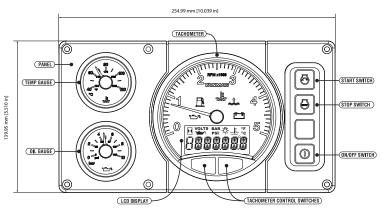


MARINE GEARS/DRIVE

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]		44 kg [97 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 viewed from stern		Clockwise viewed from stern		Clockwise & counterclockwise viewed from stern		Clockwise viewed from stern		Clockwise & counterclockwise viewed from stern		
Dry weight - engine & gear	228 kg [503 lbs]		229 kg [505 lbs]		247 kg [545 lbs]		237 kg [522 lbs]		258 [569 lbs]		
Length engine and gear/drive	870 mm [34 in]		868 mm [34 in]		926 mm [36 in]		950 mm [37 in]		1113 mm [44 in]		

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 120A
- Operation manual
- B25-panel
- Sensor for instrument panel
- Seawaterpump front mounted
- Engine Topcover for protection

Optional

- Second alternator 12V 130A or 24V 75A
- High-riser mixing elbow [instead of L-elbow]
- Extension wire harness [4m, 6m, 10m]
- Hot water kit with cocks
- · Second station harness
- C35-panel
- Sensor forC35-panel
- Extension saildrive leg [75 mm]
- Propeller cone nut kit SD60
- NMEA 2000 Engine monitory system

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