

3YM27A

Lifeboat rating 21.3 kW [29mhp]

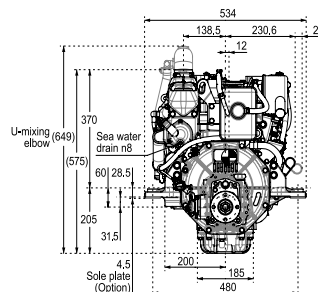


Dimensions Unit:mm

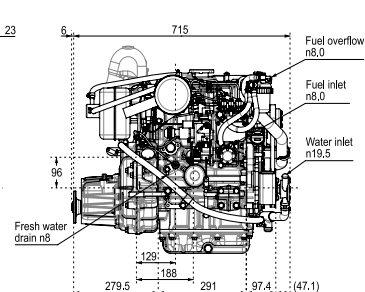


Fresh water cooling with sea water cooled heat exchanger.

With KM2P-1 gearbox / Rear view

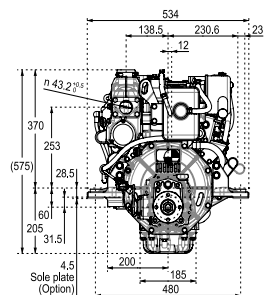


With KM2P-1 gearbox / Right side view

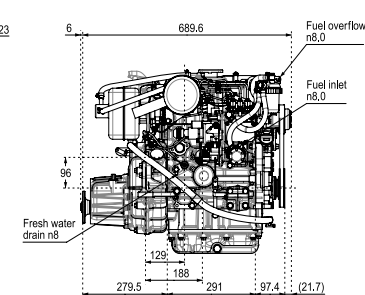


Keel cooling

With KM2P-1 gearbox / Rear view



With KM2P-1 gearbox / Right side view



Engine Specifications

Model	3YM27A	3YM27AK
Engine type	4-cycle water-cooled vertical diesel engine	
No. of cylinders, Bore × stroke	mm 3 in line, 76×82	
Displacement	lit. 1.115	
Cont. rating	Output	kW(PS) 19.4(26.4)
(ISO8665-1)	Engine speed	min ⁻¹ 3101
Max. rating	Output	kW(PS) 21.3(29.0)
(ISO8665-1)	Engine speed	min ⁻¹ 3200
Direction of rotation	Crankshaft	Anti-clockwise (View from stern)
	Propeller Shaft	Clockwise (View from stern)

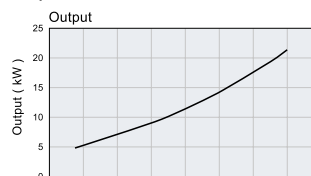
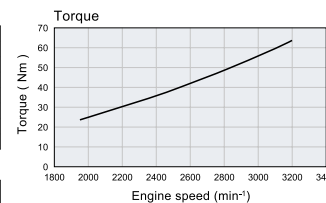
Cooling system	Fresh water cooling with sea water cooled heat exchanger	Keel cooling	
Lubricating system	Pressure Lubrication with Trochoid Pump		
Starting system	Electric Motor		
Minimum battery capacity	12V, 96 (5h rate) Ah CCA 575A / JIS D 5301		
Dimensions	Length	mm 715	690
	Width	mm 534	534
	Height	mm 649	575
Dry weight with KM2P-1	kg 147	138	

Marine Gear Specifications

Marine Gear Model	KM2P-1	
Type	Constant mesh gear with servo-cone clutch	
Reduction ratio	fwd/asn	2.21/3.06, 2.62/3.06
Direction of rotation	Clockwise (View from stern)	
Dry weight	kg	9.8

Performance Curves

3YM27A



Rating definitions : hp=0.7355kW Ratings are based on conditions of 100kPa, 30% relative humidity at 25 °C.
Fuel rates : Specific gravity 0.835g/cc, low calorific value 42700kJ/kg (10200kcal/kg), Cetane No.45.