



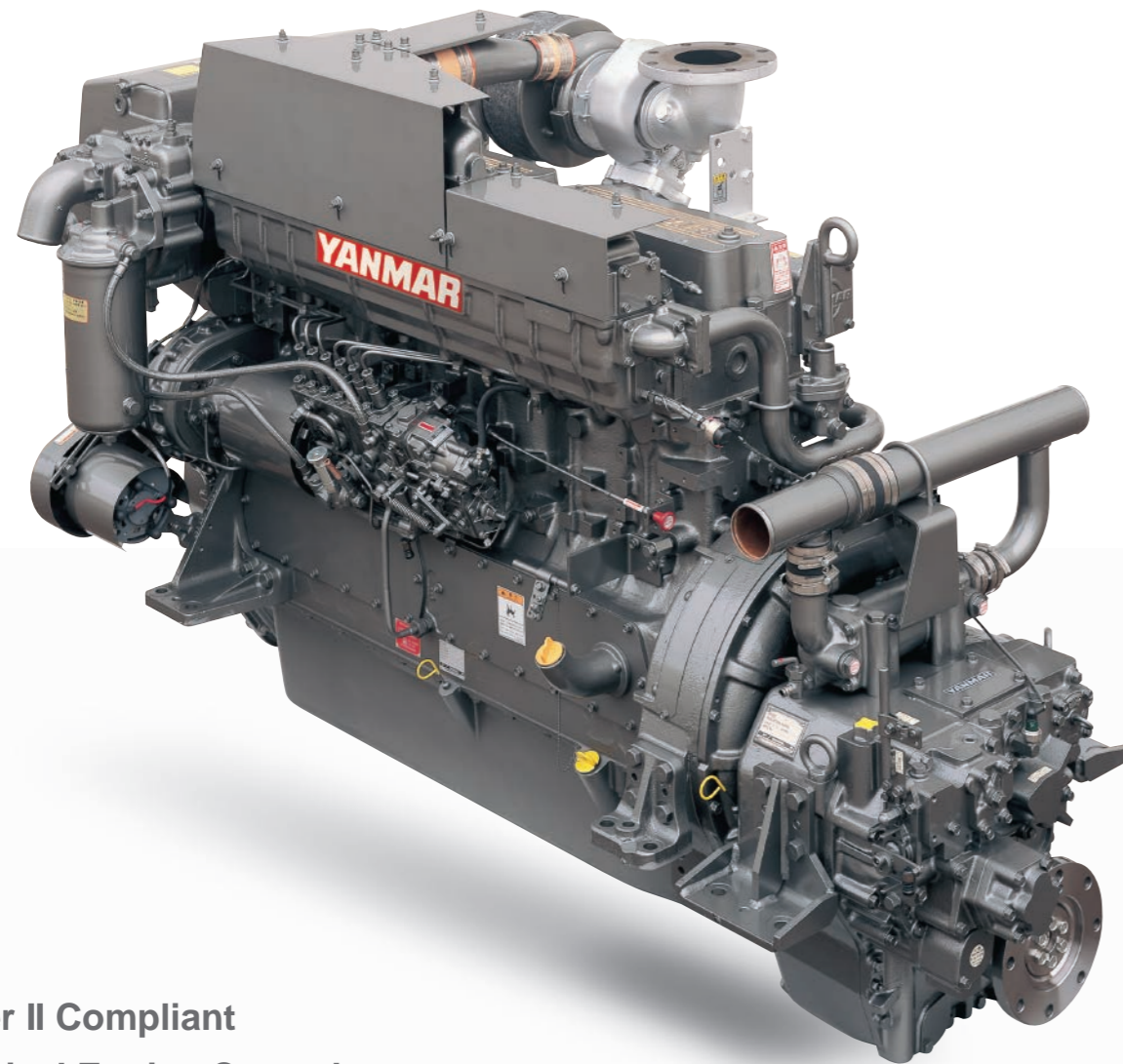
YANMAR

MARINE DIESEL ENGINE

6HA2M-WHT / 6HA2M-WDT

M-rating 257kW [350mhp]

M-rating 298kW [405mhp]



IMO Tier II Compliant
Mechanical Engine Control

Photograph may show optional equipment.

350mhp
405mhp



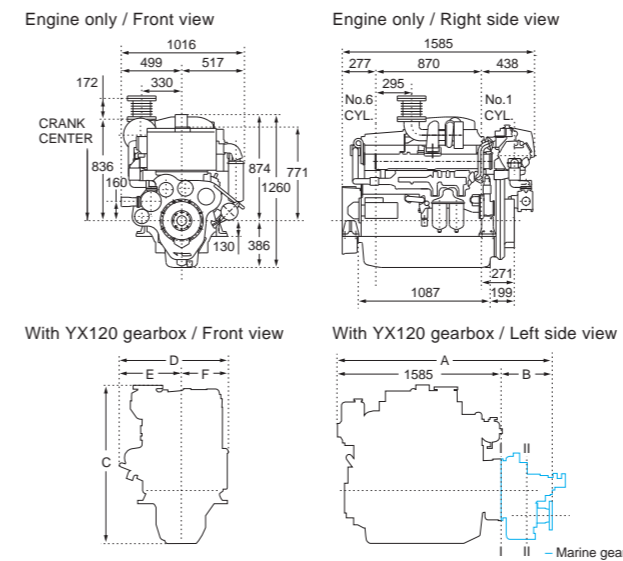
Engine Specifications

Model	6HA2M-WHT		6HA2M-WDT	
Type	4-cycle, Vertical, Turbo-charged with Fresh watercooled intercooler diesel engine			
No. of cylinders, Bore × stroke mm	6 in-line, 130 × 165			
Displacement	lit. 13.140			
Rated output	kW(hp) / rpm	M:257(350) / 1950	H:204(278) / 1880	M:298(405) / 1950
Emission	IMO Tier II			
Fuel consumption	gr/kW · hr	M:217(at rated output)	H:217(at rated output)	M:215(at rated output)
Direction of rotation	Counterclockwise viewed from stern (crankshaft)			
Combustion system	Direct injection			
Cooling system	Constant high temperature cooling with Heat exchanger			
Cooling fresh water capacity	lit.	Engine:66 + Reserve tank:1.5		
Lubricating system	Forced lubrication with gear pump			
Lubricating oil capacity	lit.	38		
Lubricating oil grade	SAE30, 40			
Starting system	Electric starting motor (DC 24V)			
Flywheel housing size	inch	SAE #1, 14		
Dry weight	kg	1455		1465

Marine Gear Specifications

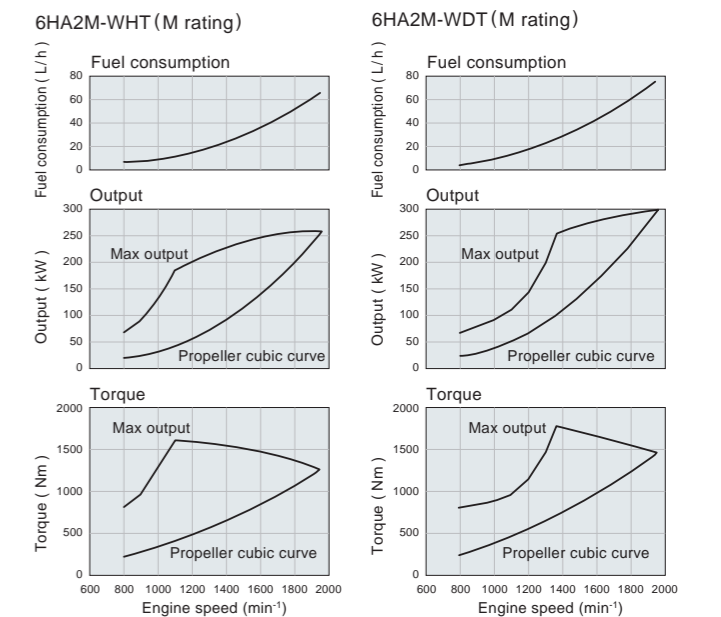
Engine Model	6HA2M-WHT				6HA2M-WDT								
Marine gear model	YX-120		YX-120L		YX-120		YX-120L						
Type	Hydraulic multi-disc clutch												
Reduction ratio	2.03	2.57	3.04	3.55	4.00	4.59	2.03	2.57	3.04	3.46	4.00	4.59	
Prop. shaft speed at rated output	rpm	960	758	641	550	488	425	960	758	641	563	488	425
Direction of rotation	Clockwise or Counterclockwise												
Dry weight	kg	315				411		315		411			

Dimensions (Unit : mm)



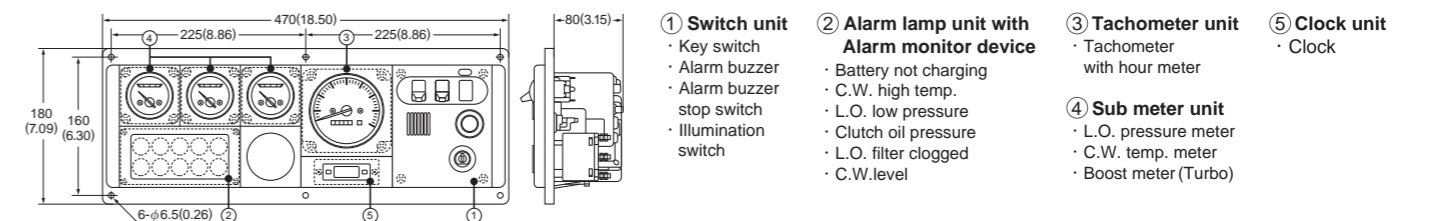
Model	A	B	C	D	E	F
6HA2M-WHT × YX-120	2005	420	1272	1016	499	517
6HA2M-WHT × YX-120L	2039	454	1384	1016	499	517
6HA2M-WDT × YX-120	2005	420	1272	1036	519	517
6HA2M-WDT × YX-120L	2039	454	1384	1036	519	517

Performance Curves



Rating definitions : hp=0.735kW Ratings are based on conditions of 100kPa, 30% relative humidity at 25°C.
M=For applications where use of rated power is less than 10 hours continuous and operation is less than 3000 hours per year.
H=For applications where use of rated power is less than 24 hours continuous and operation is less than 4000 hours per year.
Fuel rates : Specific gravity 0.835g/cc, low calorific value 42700kJ/kg (10200kcal/kg), Cetane No.45.

Detail of instrument panel D-type (Unit : mm)



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Note : All Data Subject to Change Without Notice.

