

# MARINE DIESEL ENGINES



## 6HA2M-HTE H rating 204kW(278mhp)

### ALL-SPEED STABILITY!

#### Constant temp. cooling = constant performance.

The fresh water high temperature cooling also means you get non-fluctuating performance levels at all speeds, especially in low-load conditions. After starting, the ideal temperature for combustion is attained quickly and maintained by thermostatic control.

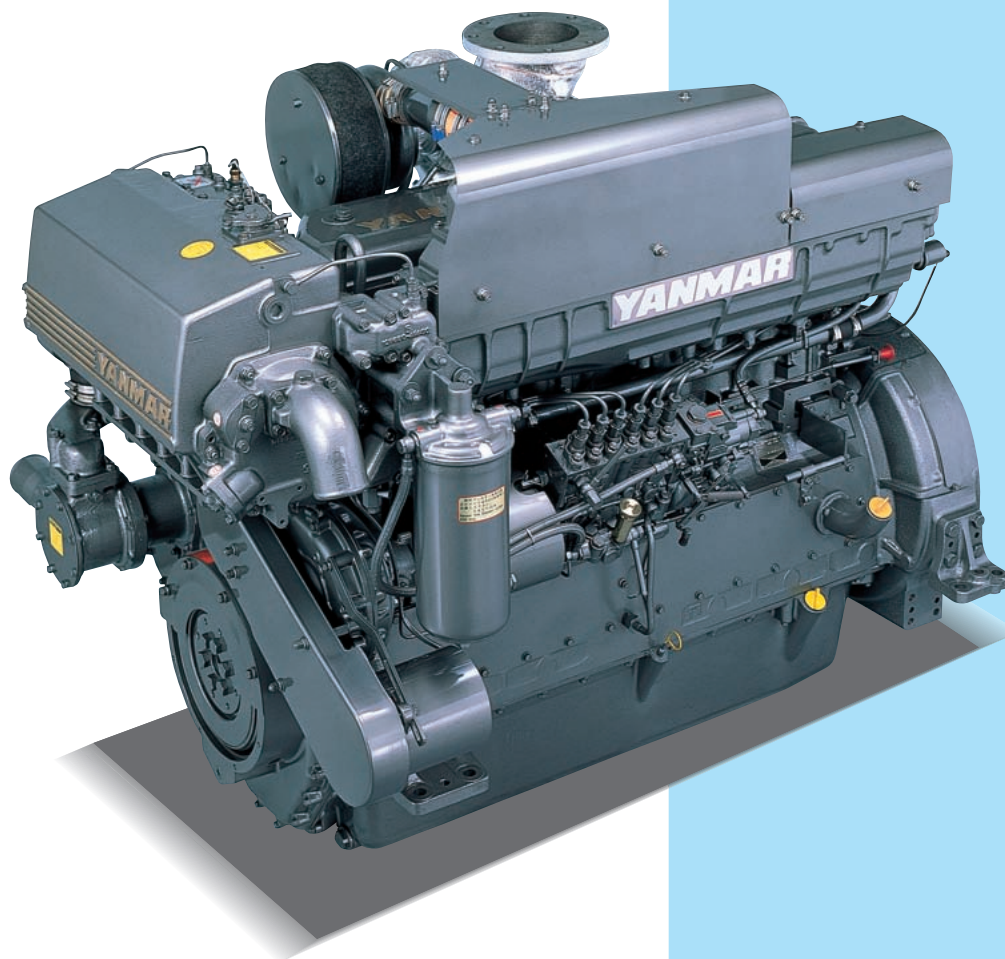
### RELIABLE AND DURABLE!

#### Clean cooling = clear advantages.

Another tremendous advantage of this fresh water cooling system is that it reduces thermal wear and stress on cylinder liners and piston rings, prevents corrosion, reduces calcium deposits and makes valuable contributions to the reliability of the engine. Added to this efficient system is an internal oil jet cooling system acting on inner piston walls that reduces heat load at the circumference of the combustion chamber. One more way Yanmar increases durability.

#### Low vibration = less wear.

The minimal vibration of the engine has been achieved through the use of light-weight moving parts and precise balancing, making the machines more durable and less wear prone. Critical components such as stress bearing moving parts, valve trains and combustion chambers are made of special high grade metals that have proven to be most durable for high speed engines.



Photograph may show optional equipment.

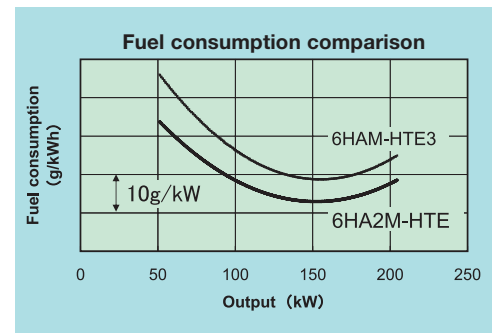
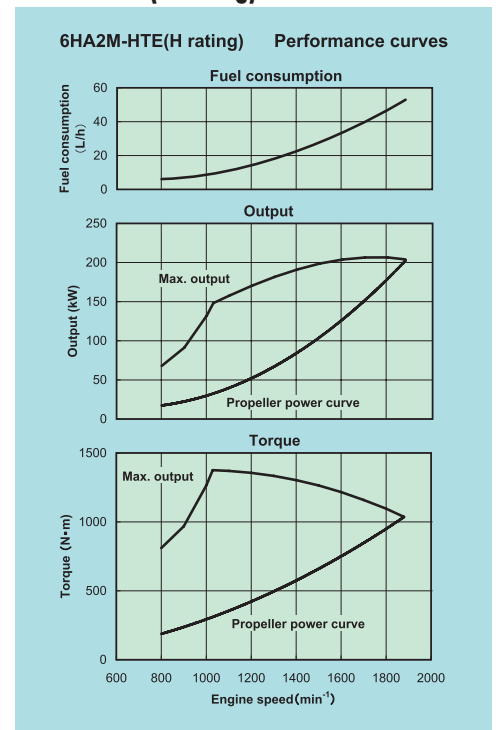
## ENGINE SPECIFICATIONS

Model	6HA2M-HTE	
Type	4-cycle, vertical, turbo-charged diesel engine	
No. of cylinders	6 in-line	
Bore x stroke	mm(in.)	130×165(5.12×6.50)
Displacement	lit.(cu.in.)	13.140(802)
Rated output	kW(hp)/rpm	H:204(278)/1880
Fuel consumption	gr/kW.hr	H:220 (at rated output)
Direction of rotation	Counterclockwise viewed from stern (crankshaft)	
Combustion system	Direct injection	
Cooling system	Fresh water cooling with sea water & fresh water pumps	
Lubricating system	Forced lubrication with gear pump	
Starting system	Electric starting motor (DC 24V)	
Dry weight	kg(lbs)	1340(2954)

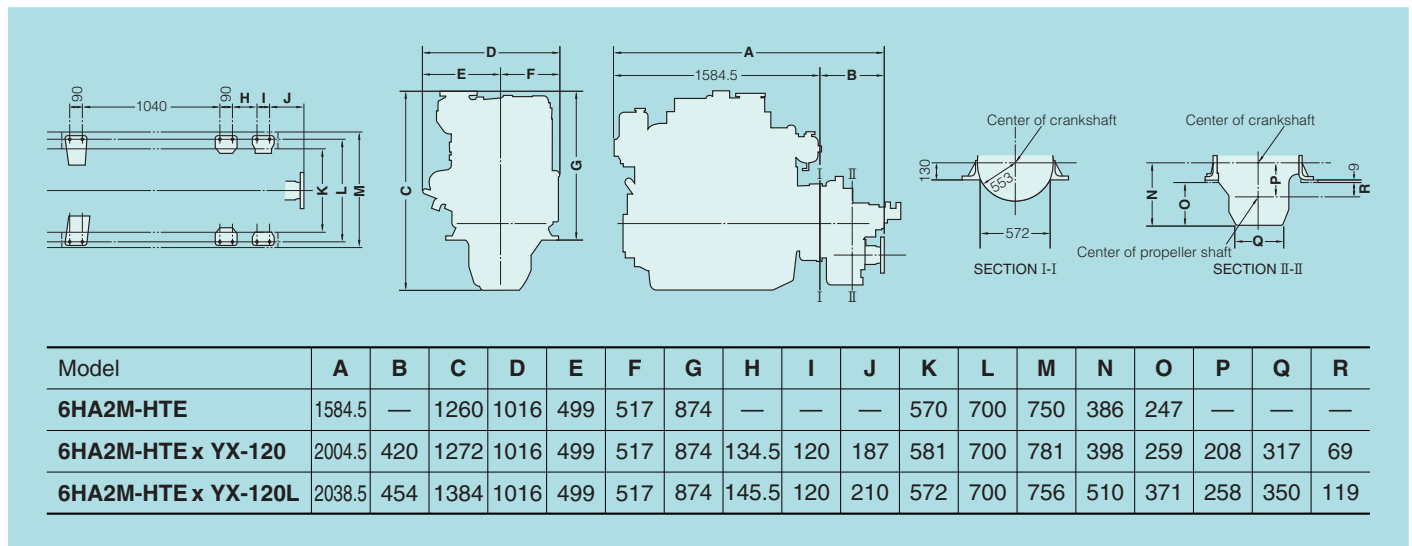
## MARINE GEAR SPECIFICATIONS

Engine model	6HA2M-HTE					
Marine gear model	YX-120			YX-120L		
Type	Hydraulic multi-disc clutch					
Reduction ratio	2.03	2.57	3.04	3.55	4.00	4.59
Prop. shaft speed at rated output	rpm	961	759	641	549	425
Direction of rotation	Clockwise or counterclockwise					
Dry weight	kg(lbs)	310(683)			385(848)	

## 6HA2M-HTE(H rating) Performance curves



## DIMENSIONS



Note: All data subject to alteration without notice.

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