

## Parameters Table

<b>Type</b>	Four-stroke, water cooled, in-line, turbocharged and aftercooled	<b>Number of cylinders</b>	6 / 8
<b>Bore &amp; stroke</b>	170×200 (mm)	<b>Displacement</b>	27.24 L / 36.32 L
<b>Oil consumption rate</b>	≤0.5 g/kW.h	<b>Noise</b>	≤105 dB(A)
<b>Minimum fuel consumption rate</b>	197 g/kW.h	<b>Idle speed</b>	450-650 r/min
<b>Torque reserve</b>	20-34%	<b>Rotation (facing the flywheel)</b>	Counter-clockwise
<b>Dimensions L×W×H) / net weight</b>	L6 2463×1200×1650 (mm) / 3100kg L8 2650×1040×1818 (mm) / 3800kg		

## Model Portfolio Table

Series	Model	Aspiration	Rated power kW/Ps	Speed r/min	Fuel system	Emission	Power rating
X6170	X6170ZC350-1	TA	258/350	1000	Mechanical pump	IMO II	P1
	X6170ZC408-1	TA	300/408	1000	Mechanical pump	IMO II	P1
	X6170ZC450-1	TA	330/450	1000	Mechanical pump	IMO II	P1
	X6170ZC480-2	TA	353/480	1200	Mechanical pump	IMO II	P1
	X6170ZC540-2	TA	397/540	1200	Mechanical pump	IMO II	P1
	X6170ZC620-2	TA	456/620	1200	Mechanical pump	IMO II	P1
	X6170ZC650-2	TA	478/650	1200	Mechanical pump	IMO II	P1
	X6170ZC580-3	TA	426/580	1350	Mechanical pump	IMO II	P1
	X6170ZC680-3	TA	500/680	1350	Mechanical pump	IMO II	P1
	X6170ZC620-5	TA	456/620	1500	Mechanical pump	IMO II	P1
	X6170ZC550-5	TA	404/550	1500	Mechanical pump	IMO II	P1
	X6170ZC756-5	TA	556/756	1500	Mechanical pump	IMO II	P1

	X6170ZC818-5	TA	601/818	1500	Mechanical pump	IMO II	P1
8170	8170ZC600-1	TA	441/600	1000	Mechanical pump	IMO II	P1
	8170ZC720-2	TA	530/720	1200	Mechanical pump	IMO II	P1
	8170ZC818-3	TA	601/818	1350	Mechanical pump	IMO II	P1
	8170ZC900-3	TA	661/900	1350	Mechanical pump	IMO II	P1
	8170ZC900-5	TA	661/900	15000	Mechanical pump	IMO II	P1
	8170ZC1000-5	TA	735/1000	1500	Mechanical pump	IMO II	P1

Remark: Product parameters and model portfolio are for reference only. Please contact relevant personnel for official information on delivery time and fishing boat model portfolio.

## Product description

### Safe and reliable

- High strength engine block, crankshaft and connecting rod ensure that the overhaul period of diesel engine is not less than 20000h
- The high-flow lubrication system with filtering before cooling and the high-efficiency cooling system are modularized and designed with one block and one head, which ensure the reliability of diesel engine parts and the convenience of use and maintenance
- Replace the filter without stopping

### Strong power

The shapes of high-pressure oil pump, turbocharger, injector, air valve and combustion chamber are reasonably and optimally matched, with wide power coverage and large torque reserve (more than 30%), which makes its power performance index rank at a leading position among similar products

### Economical and fuel-efficient

- The engines are featured by four-valve technology, pulse conversion turbocharger, large intake air volume, sufficient combustion, wide economic operation range, and the lowest fuel consumption rate can reach 197g/kW•h
- Customized design for lower fuel consumption

### Comfortable and environmentally friendly

- The design of key components is strengthened, so that the vibration index of the products reaches Grade A of the 11 grades, and the noise index is 5dB lower than that of similar products, reaching the leading level of the world

### Strong practicability

- The unique Yuanhangbao monitoring system can monitor the speed, water temperature, oil temperature, oil pressure and other parameters of a diesel engine in real time. When the parameters of the diesel engine exceed the limit, it can automatically alarm and stop the engine, and the addition of stormy wave mode ensures that the ship engine will not stop at critical moments such as stormy wave