

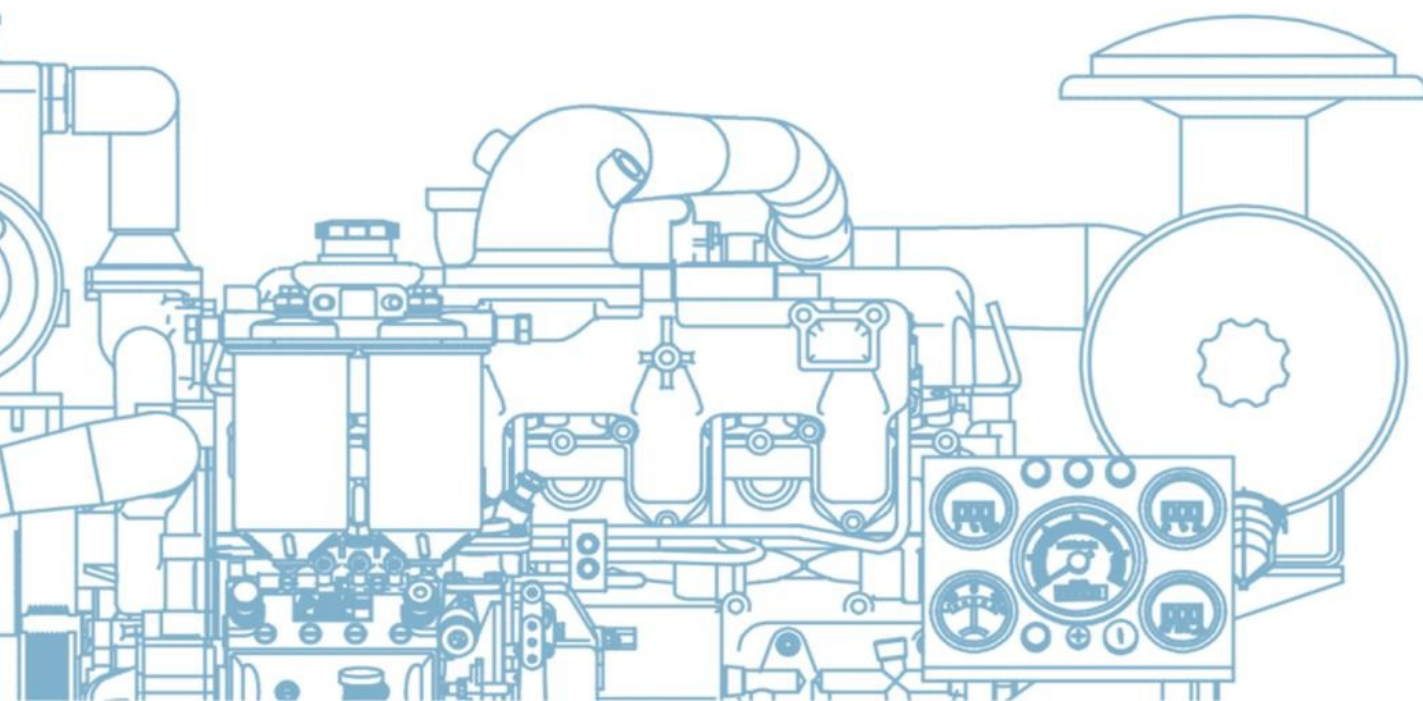


YUCHAI MARINE ENGINE



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COMPANY PROFILE

Yuchai is one of the largest diesel engine manufacturers in the world with an annual production capacity up to 800,000 units. The company has 22 series of diesel engines in the range of 24-1650kW for vehicle, marine, construction, agriculture and power generation applications.

Yuchai has strong and sustainable research and development capabilities to design and improve our products, and has been cooperating with the world-class engine design and consulting firms and engine parts manufacturers. Our engines comply with emission standard from Euro 2 to Euro 6.

Yuchai has 32 domestic offices, 13 overseas offices and more than 3,000 service stations providing comprehensive service supports to our customers.

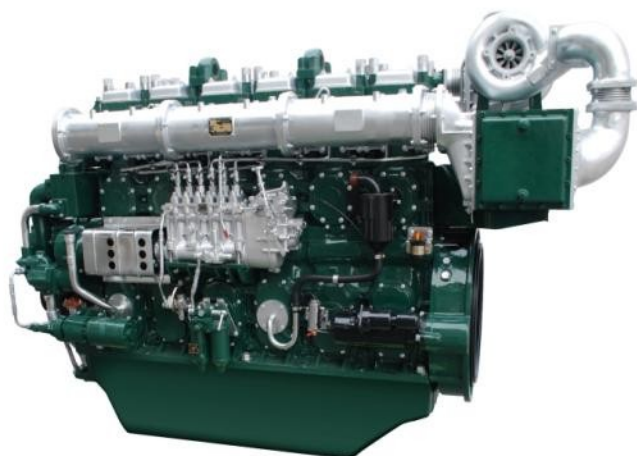
Yuchai has a mission of "Taking the Lead & Meeting the Power Need of the Public". We have the independent intellectual property rights to develop our environmentally friendly and energy saving products. Yuchai aims to be the "World Excellent Top Engine Supplier".



Model	Rated Power/Speed (kW/rpm)	Aspiration	Displacement (L)	Flywheel	Flywheel housing	Certificate	Application
YC6CL/YC6C Series							
YC6CL1200L-C20	882/1000	T&I	54.6	SAE18	/	ZC、ZY、CCS	Propulsion
YC6CL1035L-C20	760/1000	T&I	54.6	SAE18	/	ZC、ZY、CCS	Propulsion
YC6C960L-C20	706/1350	T&I	39.58	SAE18	/	ZC、CCS	Propulsion
YC6C925L-C20	680/1350	T&I	39.58	SAE18	/	ZC、CCS	Propulsion
YC6C865L-C20	636/1350	T&I	39.58	SAE18	/	ZC、CCS	Propulsion
YC6C820L-C20	603/1200	T&I	39.58	SAE18	/	ZC、CCS	Propulsion
YC6C730L-C20	536/1200	T&I	39.58	SAE18	/	ZC、CCS	Propulsion
YC6C670L-C20	492/1200	T&I	39.58	SAE18	/	ZC、ZY、CCS	Propulsion
YC6C620L-C20	455/1200	T&I	39.58	SAE18	/	ZC、ZY、CCS	Propulsion
YC6C700L-C20	515/1000	T&I	39.58	SAE18	/	ZC、CCS	Propulsion
YC6C650L-C20	478/1000	T&I	39.58	SAE18	/	ZC、CCS	Propulsion
YC6C530L-C20	390/1000	T&I	39.58	SAE18	/	ZC、ZY、CCS	Propulsion
YC6C480L-C20	352/1000	T&I	39.58	SAE18	/	ZC、ZY、CCS	Propulsion
YC6T Series							
YC6T540C	396/1800	T&I	16.35	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6T510C	375/1800	T&I	16.35	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6T480C	352/1800	T&I	16.35	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6T420C	308/1800	T&I	16.35	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6T390C	287/1800	T&I	16.35	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6T490C	360/1500	T&I	16.35	SAE14	SAE1	ZC、ZY、CCS	Auxiliary
YC6T450C	330/1500	T&I	16.35	SAE14	SAE1	ZC、ZY、CCS	Propulsion or Auxiliary
YC6T410C	300/1500	T&I	16.35	SAE14	SAE1	ZC、ZY、CCS	Propulsion or Auxiliary
YC6T400C	294/1500	T&I	16.35	SAE14	SAE1	ZC、ZY、CCS	Propulsion or Auxiliary
YC6T375C	275/1500	T&I	16.35	SAE14	SAE1	ZC、ZY、CCS	Propulsion or Auxiliary
YC6T380C	279/1200	T&I	16.35	SAE14	SAE1	ZC、CCS	Propulsion
YC6T350C	257/1200	T&I	16.35	SAE14	SAE1	ZC、CCS	Propulsion
YC6T330C	242/1500	T&I	16.35	SAE14	SAE1	ZC、CCS	Propulsion
YC6T300C	220/1200	T&I	16.35	SAE14	SAE1	ZC、CCS	Propulsion
YC6MJ/YC6MK/YC6M Series							
YC6MJ450L-C20	330/2100	T&I	11.73	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6MJ410L-C20	300/1800	T&I	11.73	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6MJ365L-C20	267/1500	T&I	11.73	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6MK330C	240/1500	T&I	11.73	SAE14	SAE1	ZC、ZY、CCS	Auxiliary
YC6MK320C	235/1800	T&I	10.34	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6MK300C	220/1500	T&I	10.34	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6MK280C	205/1500	T&I	10.34	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6M320C	234/2100	T&I	9.84	SAE14	SAE1	ZC、ZY、CCS	Propulsion

Model	Rated Power/Speed (kW/rpm)	Aspiration	Displacement (L)	Flywheel	Flywheel housing	Certificate	Application
YC6M280C	206/2100	T&I	9.84	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6M295C	216/1800	T&I	9.84	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6M270C	199/1800	T&I	9.84	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6M240-C20	176/1800	T&I	9.84	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6M300C	219/1500	T&I	9.84	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6M260C	192/1500	T&I	9.84	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6M240C	176/1500	T&I	9.84	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6M220C	162/1800	T	9.84	SAE14	SAE1	ZC、ZY、CCS	Propulsion
YC6A Series							
YC6A280-C20	206/2500	T&I	7.25	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6A260-C20	191/2300	T&I	7.25	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6A250-C20	183/2200	T&I	7.25	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6A220C	162/2300	T&I	7.25	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6A195C	145/2300	T&I	7.25	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6A190C	140/1800	T&I	7.25	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6A170C	125/1500	T&I	7.25	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion or Auxiliary
YC6108ZLCB	112/1500	T&I	7.25	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion or Auxiliary
YC6B/YC6J Series							
YC6B165C	120/2300	T&I	6.87	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6B165L-C20	120/1800	T&I	6.87	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6B150C	110/1800	T&I	6.87	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6108ZLCA	90/1500	T&I	6.87	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion or Auxiliary
YC6108ZCA	103/2300	T	6.87	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion or Auxiliary
YC6108ZC	80/1500	T	6.87	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6108CA1	82/2000	N	6.87	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion or Auxiliary
YC6B100-C20	74/1800	N	6.87	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6108CA	63/1500	N	6.87	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion or Auxiliary
YC6105CA1	66/2000	N	6.49	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion
YC6105CA	53/1500	N	6.49	SAE11.5	SAE2	ZC、ZY、CCS	Propulsion or Auxiliary
YC4D Series							
YC4D75C	55/1800	T	4.21	SAE11.5	SAE3	ZC、ZY、CCS	Propulsion or Auxiliary
YC4108ZC	50/1500	T	4.21	SAE11.5	SAE3	ZC、ZY、CCS	Propulsion or Auxiliary
YC4108C	40/1500	N	4.21	SAE11.5	SAE3	ZC、ZY、CCS	Propulsion or Auxiliary
YC4108CA	32/1500	N	4.21	SAE11.5	SAE3	ZC、ZY、CCS	Propulsion or Auxiliary
YC4F Series							
YC4F115C-31	85/3100	T&I	2.66	SAE11.5	SAE3	ZC、ZY、CCS	Propulsion or Auxiliary
YC4F100-C20	73/2950	T&I	2.66	SAE11.5	SAE3	ZC、ZY、CCS	Propulsion or Auxiliary
YC4F90L-C20	63/2800	T&I	2.66	SAE11.5	SAE3	ZC、ZY、CCS	Propulsion or Auxiliary

► YC6CL/YC6C Series



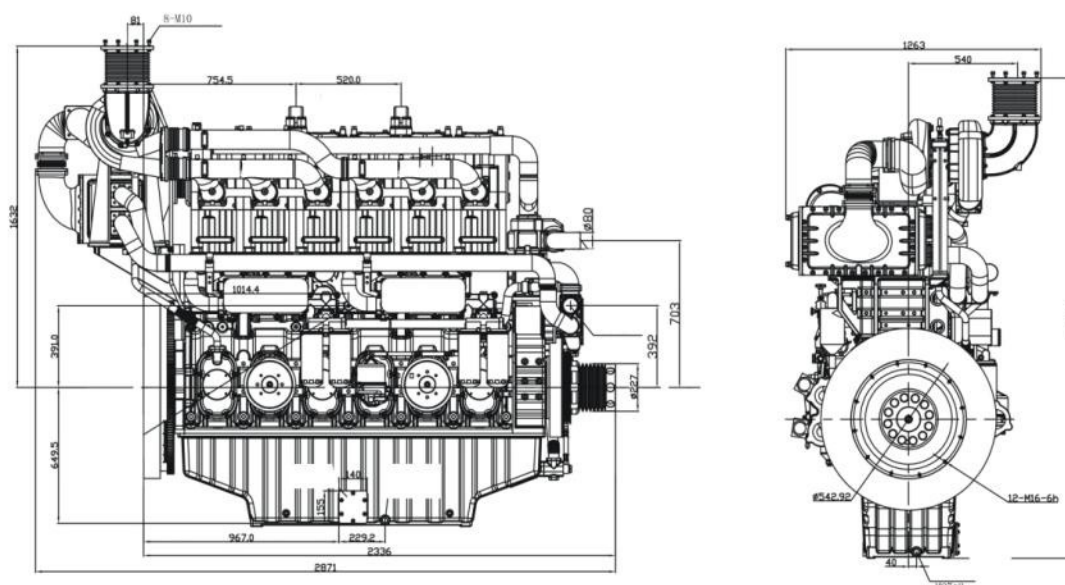
■ YC6CL/YC6C Features

- With the advanced technologies of 4-valve, higher efficient turbocharger and intercooler, Yuchai engine is characterised with high power density and large torque at low speed
- Better improvement in safety and durability by preventive cylinder gasket blown-out measure
- Compact size is convenient for installation, maintenance and repair
- Operator and nature friendly with low noise, rapid start ability and low emissions
- High fuel efficiency and low maintenance cost

■ YC6CL/YC6C Technical Parameters

Model	YC6CL1200L-C20	YC6CL1035L-C20	YC6C960L-C20	YC6C925L-C20	YC6C865L-C20
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled				
Bore × Stroke (mm)	200 × 290		200 × 210		
Aspiration	Turbocharged & inter-cooled				
Displacement (L)	54.6		39.58		
Compression Ratio	14.5:1				
Rated Power/Speed (kW(hp)/r/min)	882(1200)/1000	760(1035)/1000	706(960)/1350	680(925)/1350	636(865)/1350
Fuel consumption(g/ kW·h)	≤195				
Oil consumption(g/ kW·h)	≤0.8				
Rotation	Counterclockwise (facing flywheel)				
Starting method	Electric (pneumatic start-up is optional)				
Dry weight (kg)	5380		4700		
Engine dimension L × W × H (mm)	2871 × 1263 × 2298		2822 × 1262 × 2142.4		
Certificate	ZC、ZY、CCS、IMO				

■ YC6CL Installation Drawing



■ Specification Subject to Change Without Further Notice.

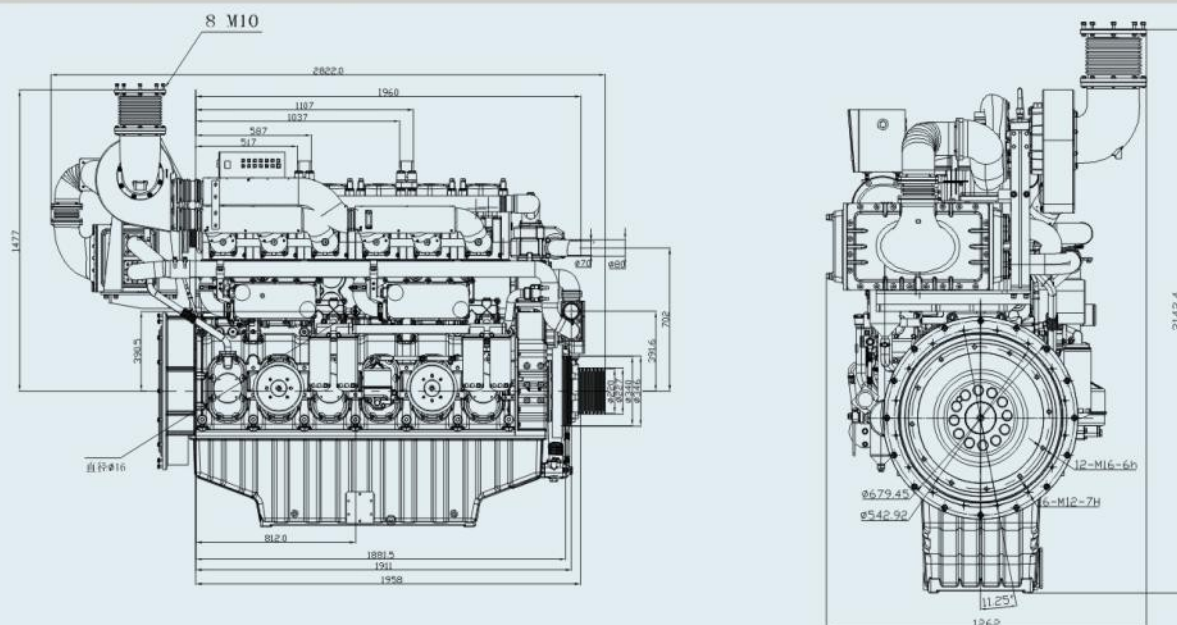
► YC6CL/YC6C Series

■ YC6C Technical Parameters

Model	YC6C820L-C20	YC6C730L-C20	YC6C670L-C20	YC6C620L-C20
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled			
Bore × Stroke (mm)	200 × 210			
Aspiration	Turbocharged & inter-cooled			
Displacement (L)	39.58			
Compression Ratio	14.5:1			
Rated Power/Speed (kW(hp)/r/min)	603 (820) /1200	536 (730) /1200	492 (670) /1200	455 (620) /1200
Fuel consumption(g/ kW·h)	≤195			
Oil consumption(g/ kW·h)	≤0.8			
Rotation	Counterclockwise (facing flywheel)			
Starting method	Electric (pneumatic start-up is optional)			
Dry weight (kg)	4700			
Engine dimension L × W × H (mm)	2822 × 1262 × 2142.4			
Certificate	ZC、ZY、CCS、IMO			

Model	YC6C700L-C20	YC6C650L-C20	YC6C530L-C20	YC6C480L-C20
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled			
Bore × Stroke (mm)	200 × 210			
Aspiration	Turbocharged & inter-cooled			
Displacement (L)	39.58			
Compression Ratio	14.5:1			
Rated Power/Speed (kW(hp)/r/min)	515 (700) /1000	478 (650) /1000	390 (530) /1000	352 (480) /1000
Fuel consumption(g/ kW·h)	≤195			
Oil consumption(g/ kW·h)	≤0.8			
Rotation	Counterclockwise (facing flywheel)			
Starting method	Electric (pneumatic start-up is optional)			
Dry weight (kg)	4700			
Engine dimension L × W × H (mm)	2822 × 1262 × 2142.4			
Certificate	ZC、ZY、CCS、IMO			

■ YC6C Installation Drawing



► YC6T Series



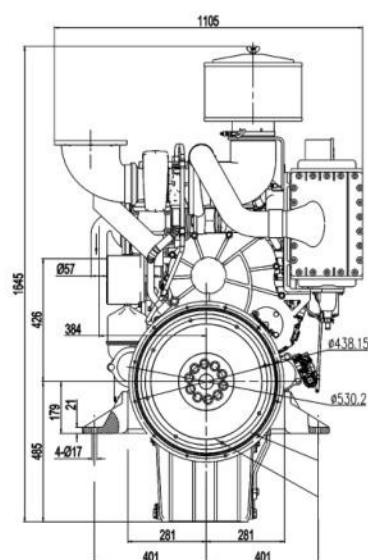
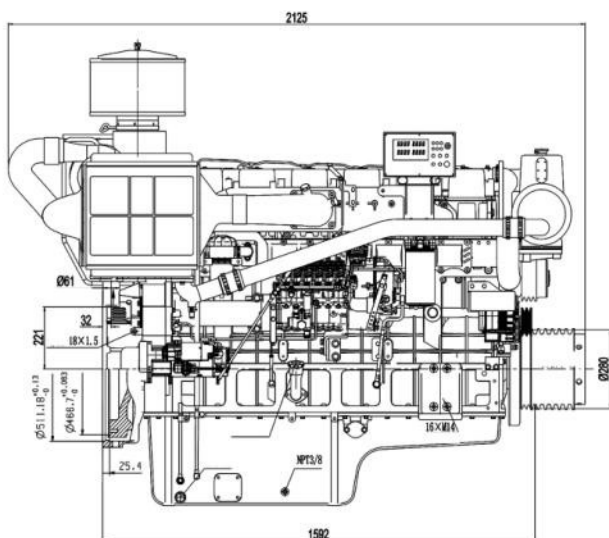
■ YC6T Features

- Well perform in 20000 hours reliability test and the most demanding requirements on temperature compact and metal fatigue
- Our world-class foundry and machining factory guarantee the excellent quality and reliability of our major components
- Alloy cast iron engine block, forged steel crankshaft and high-strength alloy connecting rod increase strength and rigidity
- The improvement of piston cooling system reduces the piston temperature and oil consumption
- High efficient 4-valve, P fuel pump & P injector, postposition gear chamber and point-line gear-meshing patent technology improve combustion, noise level, vibration and fuel consumption
- Water cooling exhaust pipe reduces engine room temperature
- Provide dual starting methods (electric and pneumatic)

■ YC6T(1800rpm) Technical Parameters

Model	YC6T540C	YC6T510C	YC6T480C	YC6T420C	YC6T390C
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled				
Bore × Stroke (mm)	145 × 165				
Aspiration	Turbocharged & inter-cooled				
Displacement (L)	16.35				
Compression Ratio	15.5:1				
Rated Power/Speed (kW(hp)/r/min)	396(540)/1800	375(510)/1800	352(480)/1800	308(420)/1800	287(390)/1800
Fuel consumption(g/ kW·h)	≤195				
Oil consumption(g/ kW·h)	≤1.0				
Rotation	Counterclockwise (facing flywheel)				
Starting method	Electric (pneumatic start-up is optional)				
Dry weight (kg)	1980				
Engine dimension L × W × H (mm)	2125 × 1105 × 1645				
Certificate	ZC、ZY、CCS、IMO				

■ YC6T Installation Drawing



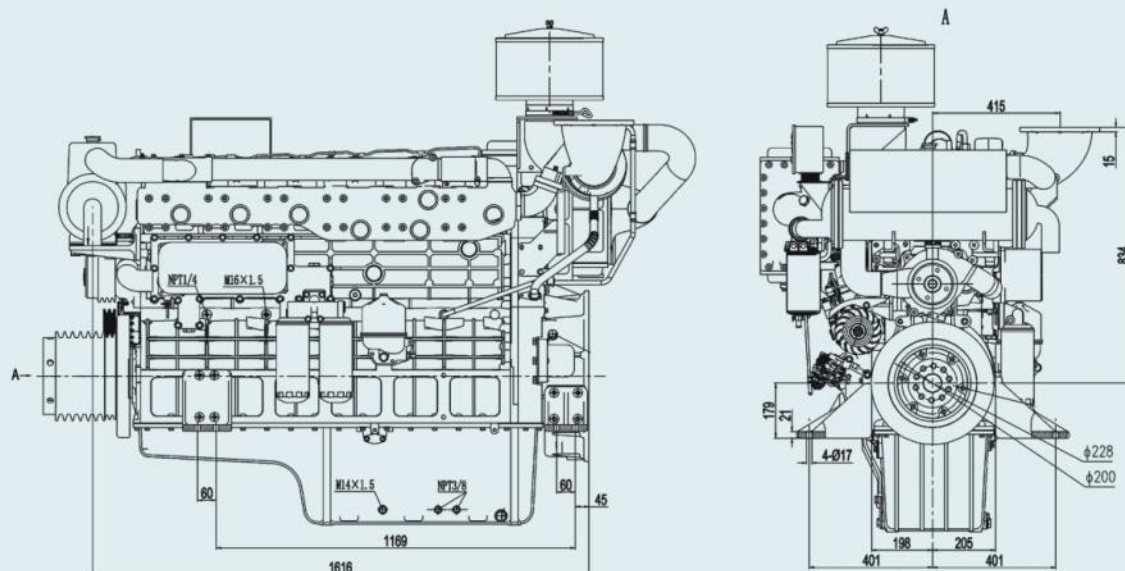
■ YC6T(1500rpm) Technical Parameters

Model	YC6T490C	YC6T450C	YC6T410C	YC6T400C	YC6T375C	YC6T330C
Configuration	Vertical in-line, 6–cylinder, 4–stroke, direct injection, water–cooled					
Bore × Stroke (mm)	145 × 165					
Aspiration	Turbocharged & inter-cooled					
Displacement (L)	16.35					
Compression Ratio	15.5:1					
Rated Power/Speed (kW(hp)/r/min)	360(490)/1500	330(450)/1500	300(410)/1500	294(400)/1500	276(375)/1500	242(330)/1500
Fuel consumption(g/ kW·h)	≤195					
Oil consumption(g/ kW·h)	≤1.0					
Rotation	Counterclockwise (facing flywheel)					
Starting method	Electric (pneumatic start-up is optional)					
Dry weight (kg)	1980					
Engine dimension L × W × H (mm)	2125 × 1105 × 1645					
Certificate	ZC、ZY、CCS、IMO					

■ YC6T(1200rpm) Technical Parameters

Model	YC6T380C	YC6T350C	YC6T300C
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled		
Bore × Stroke (mm)	145 × 165		
Aspiration	Turbocharged & inter-cooled		
Displacement (L)	16.35		
Compression Ratio	15.5:1		
Rated Power/Speed (kW(hp)/r/min)	279(380)/1200	257(350)/1200	220(300)/1200
Fuel consumption(g/ kW·h)	≤195		
Oil consumption(g/ kW·h)	≤1.0		
Rotation	Counterclockwise (facing flywheel)		
Starting method	Electric (pneumatic start-up is optional)		
Dry weight (kg)	1980		
Engine dimension L × W × H (mm)	2125 × 1105 × 1645		
Certificate	ZC、ZY、CCS、IMO		

■ YC6T Installation Drawing



► YC6MJ/YC6MK/YC6M Series



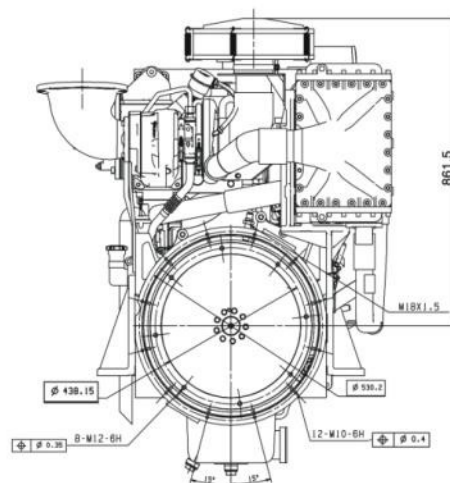
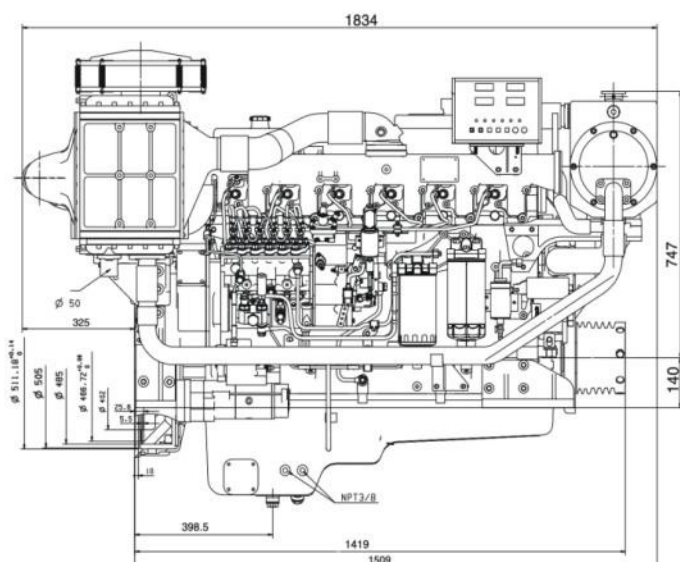
■ YC6MJ/YC6MK /YC6M Features

- The integration of crankshaft, postposition gear chamber and point-line gear-meshing patent technology reduce noise level
- Wet cylinder liner structure facilitates maintenance and repair
- Improved fuel consumption by P7100 fuel pump, P-injector and Honeywell turbocharger achieves high mean effective pressure and power density
- The use of 42CrMo forged steel crankshaft increase fatigue strength and abrasive resistance, and the torque output at front end could be more than 900Nm
- Yuchai sealing technology in piston ring and valve oil seal reduces the lube oil consumption
- High fuel efficiency and low maintenance cost
- Operator and nature friendly with low noise, rapid start ability and low emissions
- Major overhaul period is more than 12000 hours
- Water-cooled exhaust pipe with the integrated forged steel water liner reduces exhaust temperature and emission.

■ YC6MJ Technical Parameters

Model	YC6MJ450L-C20	YC6MJ410L-C20	YC6MJ365L-C20
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled		
Bore × Stroke (mm)	131 × 145		
Aspiration	Turbocharged & inter-cooled		
Displacement (L)	11.73		
Compression Ratio	16.8: 1		
Rated Power/Speed (kW(hp)/r/min)	330 (450) /2100	300 (410) /1800	267 (365) /1500
Fuel consumption(g/ kW·h)	≤192		
Oil consumption(g/ kW·h)	≤0.5		
Rotation	Counterclockwise (facing flywheel)		
Starting method	Electric		
Dry weight (kg)	1250		
Engine dimension L × W × H (mm)	1834 × 1028 × 1278.5		
Certificate	ZC、ZY、CCS、IMO		

■ YC6MJ Installation Drawing



■ Specification Subject to Change Without Further Notice.

► YC6MJ/YC6MK/YC6M Series

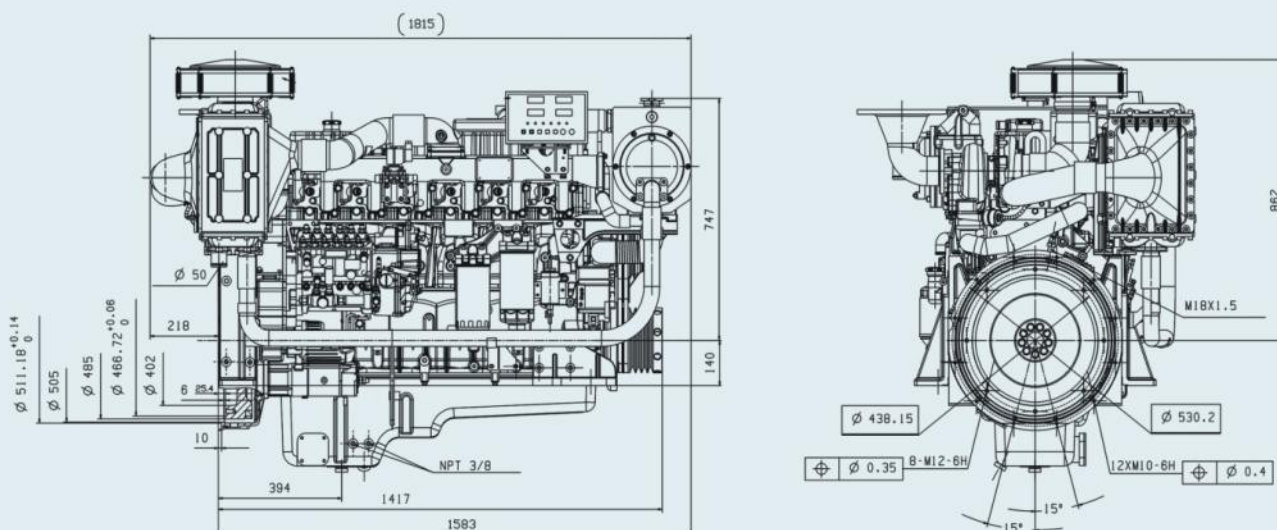
■ YC6MK Technical Parameters

Model	YC6MK330C	YC6MK320C	YC6MK300C	YC6MK280C
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled			
Bore × Stroke (mm)	123 × 145			
Aspiration	Turbocharged & inter-cooled			
Displacement (L)	10.34			
Compression Ratio	17.5: 1			
Rated Power/Speed (kW(hp)/r/min)	240(330)/1500	235(320)/1800	220(300)/1500	205(280)/1500
Fuel consumption(g/ kW·h)	≤189			
Oil consumption(g/ kW·h)	≤0.5			
Rotation	Counterclockwise (facing flywheel)			
Starting method	Electric			
Dry weight (kg)	1270			
Engine dimension L × W × H (mm)	1815 × 1058 × 1276			
Certificate	ZC、ZY、CCS、IMO			

■ YC6M Technical Parameters

Model	YC6M320C	YC6M280C	YC6M295C
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled		
Bore × Stroke (mm)	120 × 145		
Aspiration	Turbocharged & inter-cooled		
Displacement (L)	9.84		
Compression Ratio	17.5: 1		
Rated Power/Speed (kW(hp)/r/min)	234(320)/2100	206(280)/2100	216(295)/1800
Fuel consumption(g/ kW·h)	≤189		
Oil consumption(g/ kW·h)	≤0.5		
Rotation	Counterclockwise (facing flywheel)		
Starting method	Electric		
Dry weight (kg)	1150		
Engine dimension L × W × H (mm)	1795 × 1085 × 1360		
Certificate	ZC、ZY、CCS、IMO		

■ YC6MK Installation Drawing



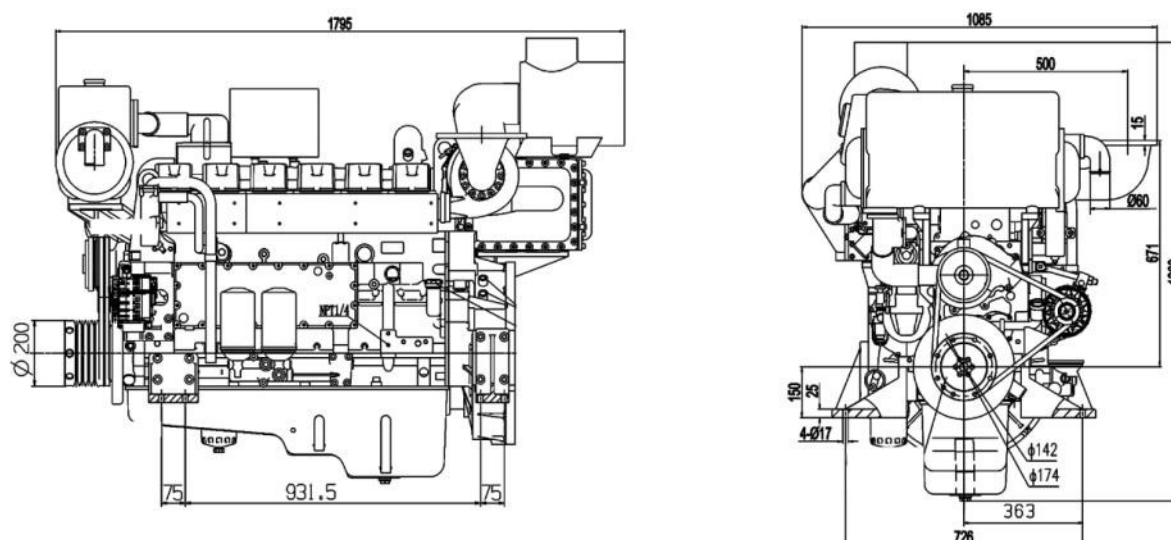
► YC6MJ/YC6MK/YC6M Series

■ YC6M Technical Parameters

Model	YC6M270C	YC6M240-C20	YC6M300C	YC6M260C	YC6M240C
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled				
Bore × Stroke (mm)	120 × 145				
Aspiration	Turbocharged & inter-cooled				
Displacement (L)	9.84				
Compression Ratio	17.5: 1				
Rated Power/Speed (kW(hp)/r/min)	199(270)/1800	176(240)/1800	219(300)/1500	192(260)/1500	176(240)/1500
Fuel consumption(g/ kW·h)	≤189				
Oil consumption(g/ kW·h)	≤0.5				
Rotation	Counterclockwise (facing flywheel)				
Starting method	Electric				
Dry weight (kg)	1150				
Engine dimension L × W × H (mm)	1795 × 1085 × 1360				
Certificate	ZC、ZY、CCS、IMO				

Model	YC6M220C
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled
Bore × Stroke (mm)	120 × 145
Aspiration	Turbocharged
Displacement (L)	9.84
Compression Ratio	17.5: 1
Rated Power/Speed (kW(hp)/r/min)	162(220)/1800
Fuel consumption(g/ kW·h)	≤189
Oil consumption(g/ kW·h)	≤0.5
Rotation	Counterclockwise (facing flywheel)
Starting method	Electric
Dry weight (kg)	1150
Engine dimension L × W × H (mm)	1795 × 1085 × 1360
Certificate	ZC、ZY、CCS、IMO

■ YC6M Installation Drawing



► YC6A Series



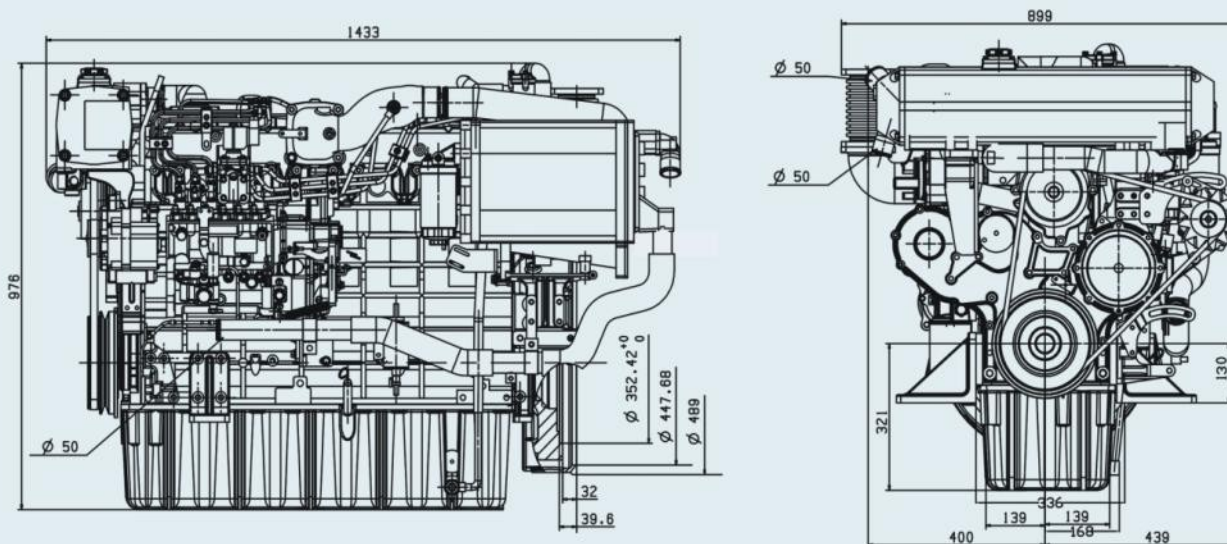
■ YC6A Features

- ω -type combustion chamber technology and low inertia mini aperture injector improve fuel efficiency
- Yuchai sealing technology in piston ring and valve oil seal reduces the lube oil consumption
- High fuel efficiency and low maintenance cost
- Compact size facilitates installation, maintenance and repair
- Operator and nature friendly with low noise, rapid start ability and low emissions
- Major overhaul period is more than 10000 hours
- First choice for patrol boat and yacht as the rated speed could reach 2800rpm

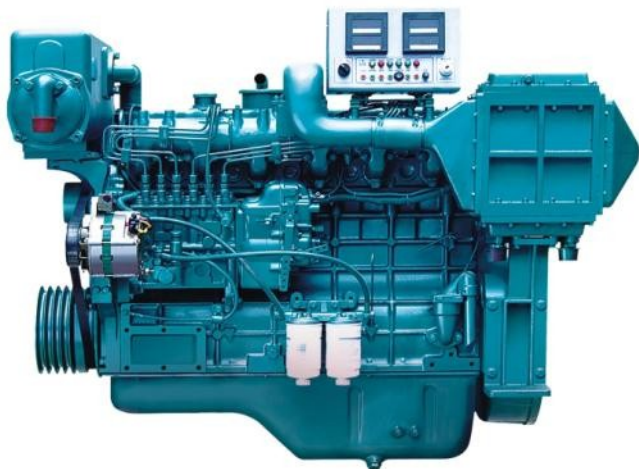
■ YC6A Technical Parameters

Model	YC6A280-C20	YC6A260-C20	YC6A250-C20	YC6A220C	YC6A195C	YC6A190C	YC6A170C	YC6108ZLCB
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled							
Bore × Stroke (mm)	108 × 132							
Aspiration	Turbocharged & inter-cooled							
Displacement (L)	7.25							
Compression Ratio	17:1							
Rated Power/Speed (kW(hp)/r/min)	206(280)/2500	191(260)/2300	183(250)/2200	162(220)/2300	145(197)/2300	140(190)/1800	125(170)/1500	112(152)/1500
Fuel consumption(g/ kW·h)	≤198							
Oil consumption(g/ kW·h)	≤0.8							
Rotation	Counterclockwise (facing flywheel)							
Starting method	Electric							
Dry weight (kg)	780				770			
Engine dimension L × W × H (mm)	1433 × 899 × 976				1415 × 910 × 1075			
Certificate	ZC、ZY、CCS、IMO							

■ YC6A Installation Drawing



► YC6B/ YC6J Series



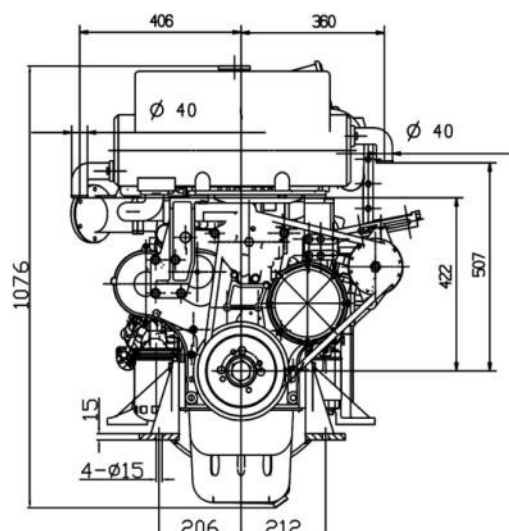
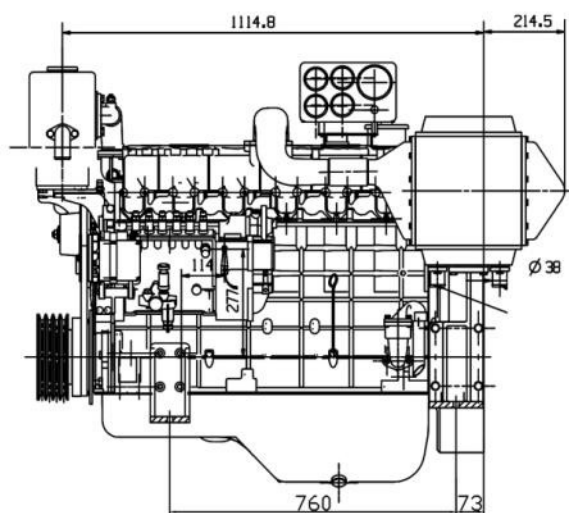
■ YC6B/ YC6J Features

- ω -type combustion chamber technology and low inertia mini aperture injector improve fuel efficiency
- Yuchai sealing technology in piston ring and valve oil seal reduces the lube oil consumption
- High fuel efficiency and low maintenance cost
- Compact size facilitates installation, maintenance and repair
- Operator and nature friendly with low noise, rapid start ability and low emissions
- Major overhaul period is more than 10000 hours
- Good for medium size cargo ships and fishing vessels

■ YC6B Technical Parameters

Model	YC6B165C	YC6B165L-C20	YC6B150C	YC6108ZLCA
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled			
Bore x Stroke (mm)	108 x 125			
Aspiration	Turbocharged & inter-cooled			
Displacement (L)	6.87			
Compression Ratio	17.5:1			
Rated Power/Speed (kW(hp)/r/min)	120(165)/2300	120(165)/1800	110(150)/1800	90(123)/1500
Fuel consumption(g/ kW·h)	≤198			
Oil consumption(g/ kW·h)	≤0.8			
Rotation	Counterclockwise (facing flywheel)			
Starting method	Electric			
Dry weight (kg)	750			
Engine dimension L x W x H (mm)	1415 x 877 x 1025			
Certificate	ZC, ZY, CCS			

■ YC6B Installation Drawing



► YC6B/ YC6J Series

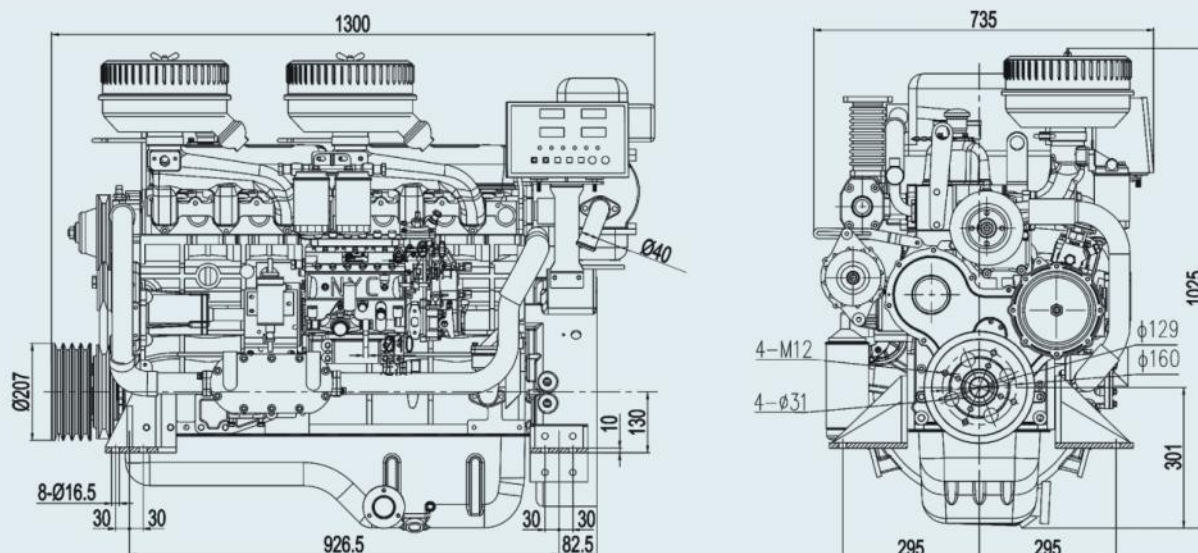
■ YC6B Technical Parameters

Model	YC6108ZCA	YC6108ZC	YC6108CA1	YC6B100-C20	YC6108CA
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled				
Bore × Stroke (mm)	108 × 125				
Aspiration	Turbocharged		Natural		
Displacement (L)	6.87				
Compression Ratio	17.5:1				
Rated Power/Speed (kW(hp)/r/min)	103(140)/2300	80(109)/1500	82(112)/2000	74(100)/1800	63(86)/1500
Fuel consumption(g/ kW·h)	≤200				
Oil consumption(g/ kW·h)	≤0.8				
Rotation	Counterclockwise (facing flywheel)				
Starting method	Electric				
Dry weight (kg)	750				
Engine dimension L × W × H (mm)	1275 × 764 × 1012		1300 × 735 × 1025		
Certificate	ZC、ZY、CCS				

■ YC6J Technical Parameters

Model	YC6105CA1	YC6105CA
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled	
Bore × Stroke (mm)	105 × 125	
Aspiration	Natural	
Displacement (L)	6.49	
Compression Ratio	16.5:1	
Rated Power/Speed (kW(hp)/r/min)	66(90)/2000	53(72)/1500
Fuel consumption(g/ kW·h)	≤198	
Oil consumption(g/ kW·h)	≤0.8	
Rotation	Counterclockwise (facing flywheel)	
Starting method	Electric	
Dry weight (kg)	700	
Engine dimension L × W × H (mm)	1300 × 735 × 1025	
Certificate	ZC、ZY、CCS	

■ YC6J Installation Drawing



► YC4D Series



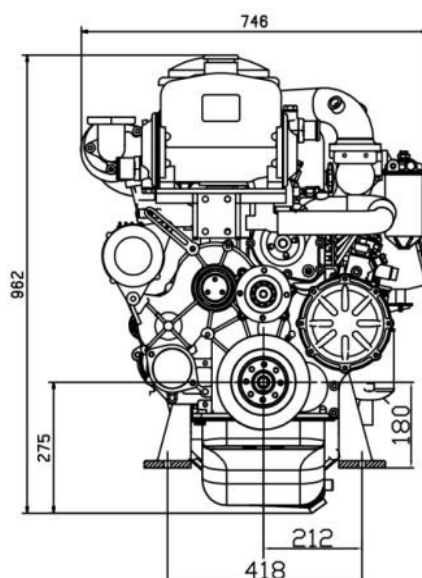
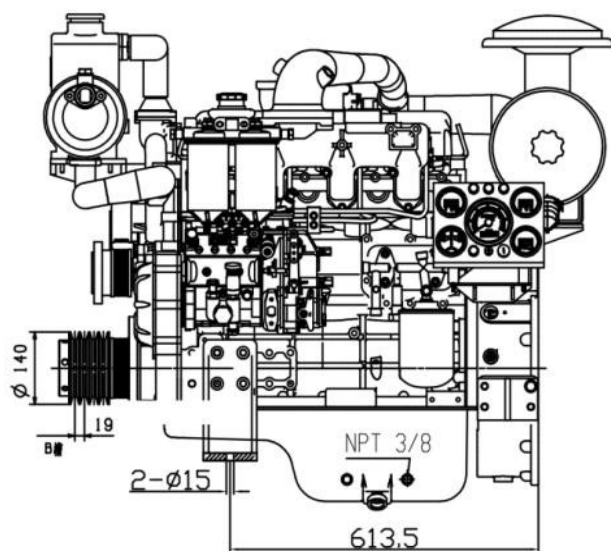
■ YC4D Features

- High performance combustion chamber and intake swirl contribute to lower fuel consumption
- Yuchai sealing technology in piston ring and valve oil seal reduces the lube oil consumption
- High fuel efficiency and low maintenance cost
- Compact size facilitates installation, maintenance and repair
- Operator and nature friendly with low noise, rapid start ability and low emissions
- Major overhaul period is more than 10000 hours
- Good for small size cargo ships and fishing vessels

■ YC4D Technical Parameters

Model	YC4108C	YC4108CA	YC4108ZC	YC4D75C
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled			
Bore × Stroke (mm)	108 × 115			
Aspiration	Natural		Turbocharged & inter-cooled	
Displacement (L)	4.21			
Compression Ratio	17:1			
Rated Power/Speed (kW(hp)/r/min)	40(54)/1500	32(43.5)/1500	50(68)/1500	55(75)/1800
Fuel consumption(g/ kW·h)	≤200		≤198	
Oil consumption(g/ kW·h)	≤0.8			
Rotation	Counterclockwise (facing flywheel)			
Starting method	Electric			
Dry weight (kg)	370		390	
Engine dimension L × W × H (mm)	986 × 730 × 948		1311 × 746 × 962	
Certificate	ZC、ZY、CCS			

■ YC4D Installation Drawing



► YC4F Series



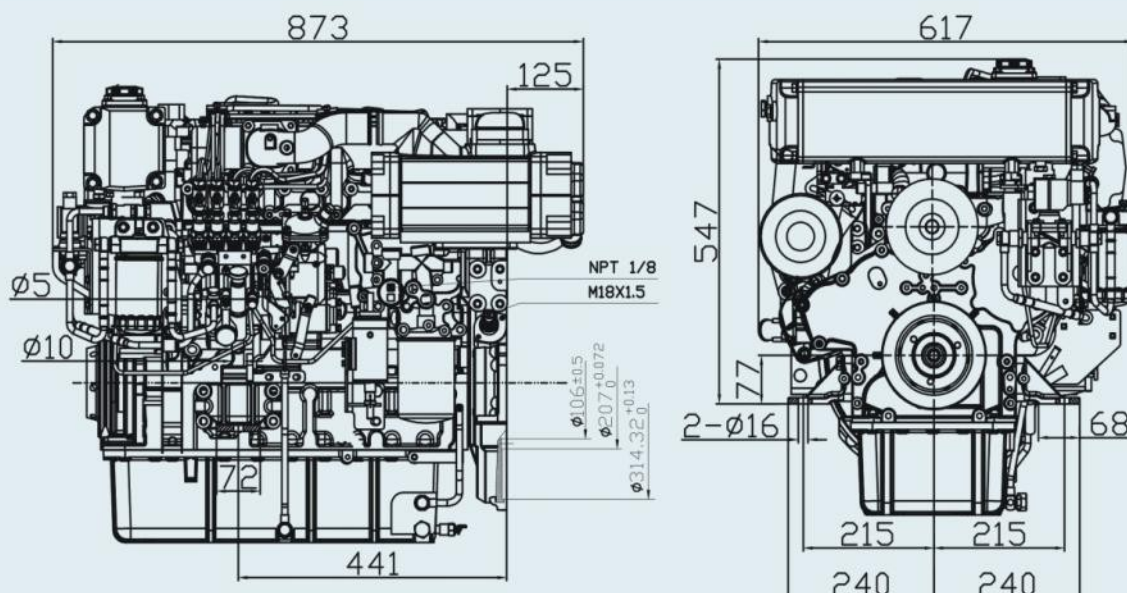
■ YC4F Features

- World-class high speed engine for speed pursuer
- Yuchai sealing technology in piston ring and valve oil seal reduces the lube oil consumption
- High reliability, fuel efficiency and low maintenance cost
- Compact size facilitates installation, maintenance and repair
- Operator and nature friendly with low noise, rapid start ability and low emissions
- Major overhaul period is more than 10000 hours

■ YC4F Technical Parameters

Model	YC4F115C-31	YC4F100-C20	YC4F90L-C20
Configuration	Vertical in-line, 6-cylinder, 4-stroke, direct injection, water-cooled		
Bore × Stroke (mm)	92 × 100		
Aspiration	Turbocharged & inter-cooled		
Displacement (L)	2.66		
Compression Ratio	16.3:1		
Rated Power/Speed (kW(hp)/r/min)	85/3100	73/2950	63/2800
Fuel consumption(g/ kW·h)	≤195		
Oil consumption(g/ kW·h)	≤0.8		
Rotation	Counterclockwise (facing flywheel)		
Starting method	Electric		
Dry weight (kg)	420		
Engine dimension L × W × H (mm)	873 × 617 × 738		
Certificate	ZC、ZY、CCS		

■ YC4F Installation Drawing



▶ YUCHAI GLOBAL SERVICE NETWORK



Yuchai headquarter



Domestic service station



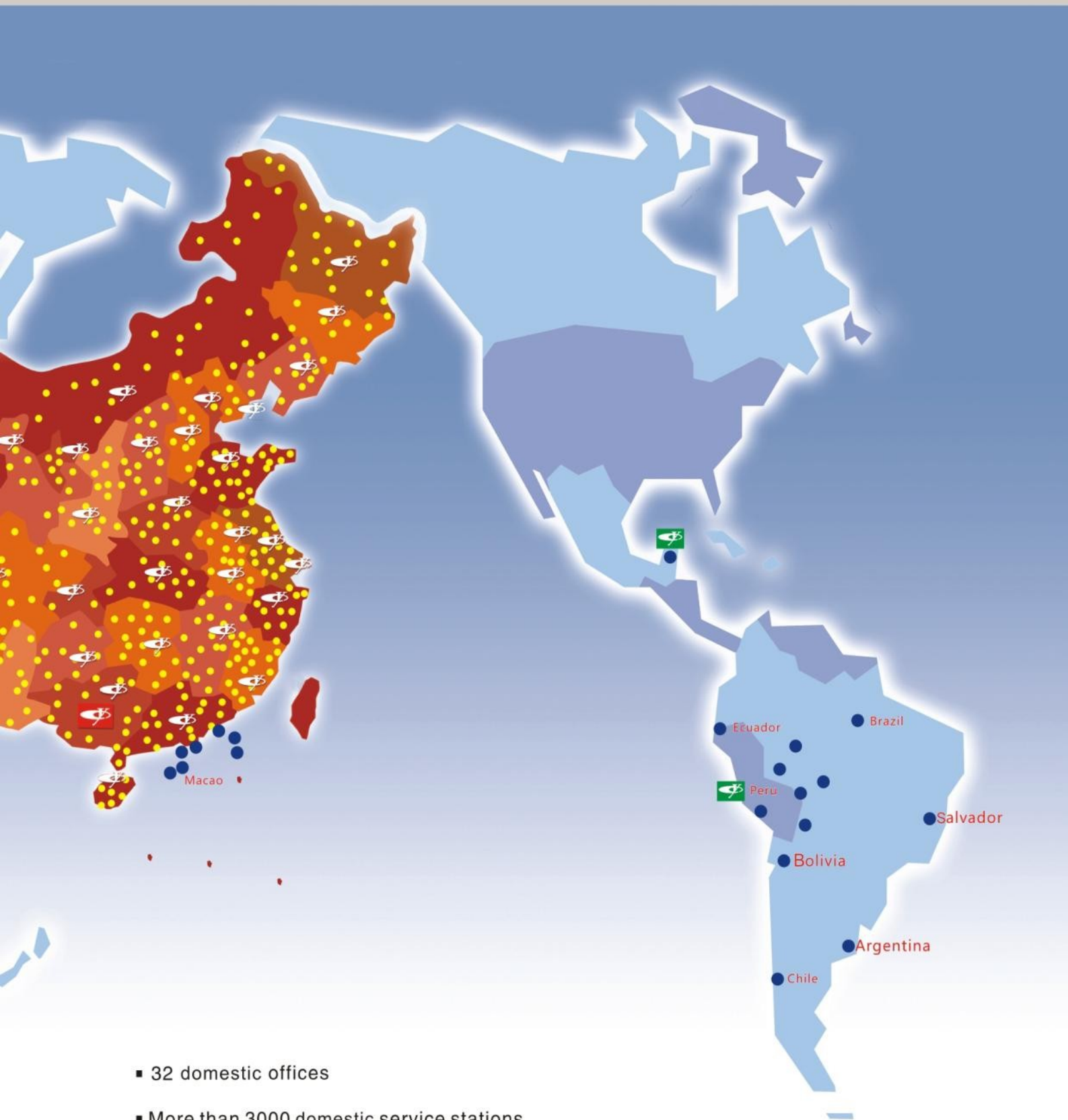
Domestic office



Overseas office



Overseas dealer & service agent



- 32 domestic offices
- More than 3000 domestic service stations
- 13 overseas offices
- 98 overseas service agents

