

## 4D24G Series Marine power engine Main technical parameters

No.	Item	specification				
1	Model	4D24G0	4D24G1	4D24G3	4D24G7	4D24G6
2	Type	Vertical, in-line, water cool, 4 stroke				
3	Induction system	NA				
4	Combustion chamber	DI/ω				
5	Cylinder No. Bore(mm)×Stroke(mm)	4-87×103				
6	Valve per cylinder	2				
7	Displacement L	2.45				
8	Compress ratio	19:1				
9	Dry weight kg	255				
10	Dimension (L×W×H) mm	679×596×682 (not include cover and Sea water exhaust manifold)				
11	Lubrication system	Pressure and lubrication				
12	Start model	E-start				
13	Speed governor	E-Governor				
14	Fuel system	VP				
15	Oil capacity(L)	9.5L				
16	Fire order	1—3—4—2				
17	Crankshaft direction	CCW(face the fly wheel)				
18	Prime power(kW)/Speed (r/min)	33.5/3000	27/1800	22/1800	23/1500	18.5/1500
19	Min. Fuel consumption(g/kW·h)	≤252	≤232	≤232	≤232	≤232
20	Oil consumption(g/kW·h)	≤0.2	≤0.2	≤0.2	≤0.2	≤0.2
21	Min. Adjustable no-load speed(r/min)	/	/	/	/	/
22	Fuel type	Summer: a product 0#,10#, light diesel Winter: a product 0#, -10#-20#, -35#light diesel				
23	Oil type	It is recommended to use a special engine oil with a quality grade of CF-4				
24	Speed drop %	≤1				
25	Relative speed drop range %	≥5.5				
26	Relative speed rise range %	≥2.5				
27	Steady-state rate volatility %	≤0.5				
28	(Under the rated speed)Instantaneous speed variation %	100% Reduce the power suddenly	≤+10			
		Increase the power suddenly	≤-7			
29	Speed recovery time s	≤3				
30	Maximum allowable inlet resistance kPa	5				
31	Maximum allowable exhaust pressure kPa	10				
32	Smoke intensity of standard operating condition FSN	≤3				
33	Noise limit Lp dB(A) (Bare) (1米)	≤92				

Remark: As technology advances, the above parameters will continue to improve the parameters of the update.