

4D24G/A Series Engines(Marine Auxiliary) technical parameters

S/ N	Items	Specifications			
1	Model	4D24G1/A	4D24G2/A	4D24G3/A	4D24G4/A
2	Type	Vertical, In line, 4 stroke, water cooled			
3	Induction System	NA			
4	Combustion Chamber	DI/ ω			
5	Cylinder NO. - Bore \times Stroke(mm)	4-87 \times 103			
6	Valve NO. per cylinder	2			
7	Displacement (L)	2.45			
8	Compression ratio	19:1			
9	Weight kg	255 (With belt guard)			
10	Dimensions (mm)	702 \times 596 \times 682 (With belt guard)			
11	Lubricating system	Splash and pressure			
12	Cooling type	Forced water cooling+Sea water pump heat exchanger system			
13	Start method	Electronic start			
14	Speed governor type	Mechanical			
15	Fuel System	Stanadyne DB Pump			
16	Oil capacity(L)	9.5L			
17	Firing order	1—3—4—2			
18	Direction of rotation	anticlockwise(Facing the flywheel)			
19	Prime Power(kW)/speed (r/min)	27/1800	23/1500	22/1800	18.5/1500
20	Standby Power(kW)/speed (r/min)	29.7/1800	25.3/150 0	24.2/1800	20.3/1500
21	Min. fuel consumption (g/kw·h)	\leq 238	\leq 232	\leq 235	\leq 238
22	Oil Consumption(g/kw·h)	\leq 0.2	\leq 0.2	\leq 0.2	\leq 0.2
23	Fuel type	Summer: a product 0#,10#, light diesel Winter: a product 0#, -10#-20#, -35#light diesel			
24	Oil type	It is recommended to use a special engine oil with a quality grade of CF-4.			
25	Speed drop %	\leq 5			
26	The related speed drop range %	\geq 5.5			
27	The related speed rise range (%)	\geq 2.5			
28	Steady-state rate volatility %	\leq 1.5			
29	(Under the rated speed)Instantaneous speed variation %	100% Reduce the power suddenly	\leq +10		
		Increase the power suddenly	\leq -7		
30	Speed recovery time s	\leq 3			
31	Maximum allowable inlet resistance kPa	5			
32	Maximum allowable exhaust pressure(kPa)	10			
33	Smoke intensity of standard operating condition FSN	\leq 3			
34	Noise Limit Lp dB(A) (bared engine) (1M)	\leq 92			
35	Starter Power kW	2.3			
36	Alternator Power kW	0.75			
37	System voltage V	12V/24V (Options)			
38	Battery Type	Recommend 6-QW-120(740)			
39	Emitting level	EU IIIA			
Remark: As technology advances, the above parameters will continue to improve the parameters of the update.					