

4D24TG/A Series (Marine Auxiliary, Turbo charged) technical parameters

NO	Items	Technical Parameters				
1	Engine Model	4D24TG0/A	4D24TG1/A	4D24TG2/A	4D24TG3/A	4D24TG7/A
2	Engine Type	Vertical, In line, 4 stroke, water cooled				
3	Induction System	Turbo charged				
4	Combustion Chamber	DI / ω shape				
5	Cylinder NO. - Bore × Stroke(mm)	4-87×103				
6	Valve NO. per cylinder	2				
7	Displacement (L)	2.45				
8	Compression ratio	17.8:1				
9	Dry Weight (kg)	265(include belt cover)				
10	Dimensions (LxWxH) mm	714×620×682(include belt cover)				
11	Lubricating system	Splash and pressure				
12	Start method	Electronic start				
13	Speed governor type	Mechanical governor				
14	Fuel System	Stanadyne rotary pump				
15	Oil capacity(L)	9.5L				
16	Firing order	1—3—4—2				
17	Direction of rotation	<i>Anticlockwise (Power output oriented)</i>				
18	Prime Power(kW)/speed(r/min)	36/1500	32/1500	28/1500	36/1800	32/1800
19	1 hour power (kW)/ speed (r/min)	39.6/1500	35.2/1500	30.8/1500	39.6/1800	35.2/1800
20	Min. fuel consumption (g/kw·h)	≤225	≤230	≤232	≤235	≤232
21	Oil Consumption(g/kw·h)	≤0.4	≤0.4	≤0.4	≤0.4	≤0.4
22	Minimum adjustable no-load speed (r/min)	N/A	N/A	N/A	N/A	N/A
23	Fuel type	Summer: GB 252-2000 Premium or first grade 0#, 10#, light diesel fuel Winter: GB 252-2000 Premium or first grade 0#, -10#, -20#, -35# light diesel fuel				
24	Oil type	Summer: 15W/40CF Winter: 0W/30CF				
25	Speed drop %	≤5				
26	Relative speed setting drop range %	≥5.5				
27	Relative speed setting rise range %	≥2.5				
28	Steady speed fluctuation %	≤1.5				
29	(Under the rated speed) Transient speed deviation %	100% Reduce the power suddenly		≤+10		
		Increase the power suddenly		≤-7		
30	Speed recovery time (S)	≤3				
31	Maximum allowable inlet resistance (kPa)	5				
32	Maximum allowable exhaust pressure (kPa)	10				
33	Smoke intensity of standard operating condition FSN	≤3				
34	Noise Limit Lp dB(A) (bared engine) (1M)	≤92				
35	Starter Power kW	2.3				
36	Alternator Power kW	0.75				
37	System voltage V	12V(Standard)/24V(Optional)				

Note: With the progress of technology, the above indicators will be constantly improved and updated.