

3C11G/A series engine (EU Stage III A/ Marine Auxiliary) technical parameters

NO.	Item	technical parameters		
1	engine model	3C11G1/A	3C11G2/A	3C11G3/A
2	engine type	In line 3 and 4 stroke、 water cooled		
3	Intake air system	Natural Aspiration		
4	combustion type	IDI		
5	Bore×Stroke(mm)	76×78.3		
6	valve per cylinder	2		
7	Displacement (L)	1.067		
8	Compression ratio	24: 1		
9	Dimension (L×W×H) mm	778×454×706 (With belt guard)		
10	Dry Weight kg	125 (With belt guard)		
11	Lubricating system	pressure and splash lubrication		
12	Cooling system	Forced water cooling closed cycle + sea water pump heat exchange system		
13	Start type	Starting motor 12V 1.2kw		
14	Alternator	14V 40A		
15	FIE system	stanadyne+pintle nozzle		
15	Oil capacity L	3.8		
16	Fire order	1—2—3		
17	Crank Rotation	CCW (from flywheel)		
18	Speed r/min @Rated power r/min	17.5/3000	11.1/1800	9.1/1500
19	Fuel consumption rate(g/kW·h)	≤285		
20	Oil consumption rate (g/kW·h)	≤0.2		
21	Speed drop %	≤5		
22	The related speed drop range %	≥5.5		
23	The related speed rise range %	≥2.5		
24	(Under the rated speed)Instantaneous speed variation %	100% Reduce the power suddenly	≤+10	
25		Increase the power suddenly	≤-7	
26	Speed recovery time s	≤3		
27	Maximum allowable inlet resistance kPa	2		
28	Maximum allowable exhaust pressure kPa	5		
29	Smoke intensity of standard operating condition FSN	≤3.5		
30	Nosie limit $L_{p}dB(A)$ (bare engine) (1 米)	≤94		
31	Fuel type	Summer: a product 0#, 10#light diesel oil, Winter: a product 0#, -10# -20#, -35# light diesel oil.		
32	Oil type	Summer:15W/40CF Winter:0W/30CF		
33	Battery Type	Common region: Battery capacity(Ah) ≥60; Cold starting current (A) 400 Plateau or alpine region: Battery capacity(Ah) ≥80; Cold starting current (A) 450		