



**DEEPSEA CONTROLLER**



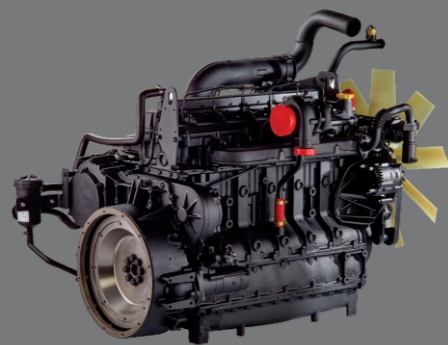
DeepSea brand originated from UK. Besides basis functions such as: over - under voltage overload, phase rotation protection, the controller could link to engine ECU diagnostics via electronic engine interface (CANBUS) in order to monitor engine, analysis to assist in the detection of patterns in engine status. Auto main failure control function is designed to be convenience for operating and reduce cost when end-user installs ATS. Controller is equipped with RS232 and RS485 ports that have the ability to be configured and monitored from a remote PC (SCADA)



**MECC ALTE ALTERNATOR**



Mecc Alte is a world leader in the production of synchronous alternators. The standard of products are listed in every section, divided into four categories for simplicity of consultation. Mecc alte alternators are well known around the world for quality, versatility, enhanced performance and rugged reliability. Reliability and performances at the top from one to three thousand kVA.



**COOPER ENGINE**



The manufacturing systems of Cooper are equal to the best internationally and comprise state of the art facilities for assembly and machining of major engine components. All equipments are CNC / PLC controlled and linked by robots. Dedicated Machining lines are commissioned for each of the components which are manufactured in-house viz. cylinder block, cylinder head, etc. All equipment for casting, machining and quality control has been sourced from leading suppliers in India and overseas to ensure very high levels of efficiency and reliability.



**DIESEL GENERATOR**



Specifications

GENERATOR MODEL			TO10	TO15	TO20	TO25	TO30	TO40	TO40	TO50	TO60
Power	Prime	kW	8	12	16	20	24	32	32	40	50
	Prime	kVA	10	15	18	25	30	40	37.5	50	62.5
Current		A	43.5/13.9	65.2/20.9	87/27.8	108.7/34.8	130.4/41.7	55.6	55.6	69.6	87
Phases			1/3	1/3	1/3	1/3	1/3	3	3	3	3
Power factor			0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
<b>ENGINE MODEL</b>			2A1D1C	2A2D1C	2A2D1C-19	2A2D1A	2A2D1A	2A2D1A-35	3B2D1C-75	3B2D1C-75	3B2D1C-75
Cylinder Numbers			2	2	2	2	2	2	3	3	3
Governor			Electronic (CRDI)	Electronic (CRDI)	Electronic (CRDI)	Electronic (CRDI)	Electronic (CRDI)	Electronic (CRDI)	Mechanical	Mechanical	Mechanical
Bore/Stroke		mm	87x100	87x100	87x100	87x100	87x100	87x100	107x126	107x126	107x126
Compression ratio			19:1	17.5:1	17.5:1	17.5:1	17.5:1	17.5:1	17.5:1	17.5:1	17.5:1
Displacement			1.189	1.189	1.189	1.189	1.189	1.189	3.4	3.4	3.4
Rated power	Prime	kW	10.3	16.1	18.8	31.4	31.4	34.5	75	75	75
Speed		rpm	1500	1500	1500	3000	3000	3000	1500	1500	1500
Protection class			H	H	H	H	H	H	H	H	H
100% fuel consumption	Prime	L/h	2.87	3.83	5.06	6.76	8.03	10.21	13.32	13.32	14.2
Lub oil capacity		L	4.5	4.5	4.5	4.5	4.5	4.5	6	6	6
Fuel tank capacity		L	75	75	75	75	75	75	200	200	200
Length		mm	1900	1900	1900	1950	1950	1950	3226	3226	3226
Width	Soundproof	mm	825	825	825	950	950	950	1126	1126	1126
Height	Type	mm	1048	1048	1048	1657	1657	1657	1606	1606	1606
Net Weight		kg	670	685	710	750	770	800	1650	1700	1750

Specifications

GENERATOR MODEL			TO80	TO100	TO125	TO140	TO160	TO180	TO200	TO250
Power	Prime	kW	66	80	100	112	128	144	160	200
	Prime	kVA	82.5	100	125	140	160	180	200	250
Current		A	114.8	139.1	173.9	194.8	222.6	250.4	278.2	348
Phases			3	3	3	3	3	3	3	3
Power factor			0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
<b>ENGINE MODEL</b>			3B2D1C-85	4B2D1C-100	4B2D1C-113	6B2D1C-150	6B2D1C-170	6B2D1C-170	6B2D1C-190	6G2D1C-228
Cylinder Numbers			3	4	4	6	6	6	6	6
Governor			Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Bore/Stroke		mm	107x126	107x126	107x126	107x126	107x126	107x126	107x126	107x145
Compression ratio			17.5:1	17.5:1	17.5:1	17.5:1	17.5:1	17.5:1	17.5:1	17.5:1
Displacement			3.4	4.5	4.5	4.5	6.8	6.8	6.8	6.8
Rated power	Prime	kW	85	100	113	150	170	170	190	228
Speed		rpm	1500	1500	1500	1500	1500	1500	1500	1500
Protection class			H	H	H	H	H	H	H	H
100% fuel consumption	Prime	L/h	19.36	21.39	26.14	29.54	33.3	37.52	42.69	56
Lub oil capacity		L	6	8	8	8	11	11	11	11
Fuel tank capacity		L	200	300	300	300	300	300	300	300
Length		mm	3226	3626	3626	4576	4576	4576	4576	4576
Width	Soundproof	mm	1126	1126	1126	1426	1426	1426	1426	1726
Height	Type	mm	1606	1720	1720	1800	1800	1800	1800	1800
Net Weight		kg	1800	2150	2200	2910	2950	3000	3200	----

Specifications are subject to change without notice  
TTT Global Catalogue 2016