

# MTU Marine Generator Sets

5 - 250 kW<sub>e</sub>



## Description:

- Two product lines of high quality generator sets for yacht and commercial applications are available on demand to complement MTU main propulsion engines. 50/60 Hz versions are available with options and accessories such as soundshields, control panels, safety switches, PTOs, ect.

## Benefits:

- Global MTU service & logistics network comprising more than 1300 points of contact

## Standard scope of supply and options:

- Large, cast iron expansion tank
- Jacket-water cooled, cast iron exhaust manifold with two pass coolant flow
- Jacket-watercooled turbocharger for safety
- Welded steel base frame
- Closed loop crankcase vent to keep oil vapors in the engine for a cleaner engine room
- Clamp style fuel filter(s) with vent and drain
- Service side lube oil filters
- Center bonded vibration isolation mounts

Commercial Gensets	50Hz/480V	50Hz/480V	50Hz/480V	50Hz/600V	50Hz/600V	50Hz/600V	50Hz/600V	50Hz/600V	50Hz/600V
Rated power ICXN	kWe <sup>1) 2)</sup>	16	26	32	33	45	50	80	125
Rated power ICXN	kVA <sup>1) 2)</sup>	20	32	40	41	56	62	100	156
Speed	rpm	1500	1500	1500	1500	1500	1500	1500	1500
Exhaust optimization		IMO II/EPA 3	IMO II/EPA 3	IMO II/EPA 3	IMO II/EPA 2	IMO II/EPA 2	IMO II/EPA 2	IMO II/EPA 2	IMO II/EPA 2

Commercial Gensets	60Hz/480V	60Hz/480V	60Hz/480V	60Hz/600V	60Hz/600V	60Hz/600V	60Hz/600V	60Hz/600V	60Hz/600V
Rated power ICXN	kWe <sup>1) 2)</sup>	20	30	38	40	55	65	99	150
Rated power ICXN	kVA <sup>1) 2)</sup>	25	38	47	50	69	81	124	188
Speed	rpm	1800	1800	1800	1800	1800	1800	1800	1800
Exhaust optimization		IMO II/EPA 3	IMO II/EPA 3	IMO II/EPA 3	IMO II/EPA 2	IMO II/EPA 2	IMO II/EPA 2	IMO II/EPA 2	IMO II/EPA 2

Commercial Gensets	Dimensions and masses								
Length	mm	1093	1319	1590	1633	1723	1769	2094	2100
Width	mm	525	610	754	699	822	822	699	858
Height	mm	833	785	780	1004	953	953	999	1056
Mass, dry	kg	405	569	650	822	891	941	1134	1612

1) Rated power depends on ambient conditions and alternator specification. Other ratings are available on request.

2) @cosphi 0.8



Power. Passion. Partnership.

Yacht Gensets		50Hz/ 480V	50Hz/ 480V	50Hz/ 480V	50Hz/ 480V	50Hz/ 480V	50Hz/ 480V	50Hz/ 480V	50Hz/ 480V	
Rated power ICXN	kWe <sup>(1,2)</sup>	4,5	5	7	10	12	16	20	26	32
Rated power ICXN	kVA <sup>(1,2)</sup>	5,6	6,25	8,75	12,5	15	20	25	32,5	40
Speed	rpm	1500	1500	1500	1500	1500	1500	1500	1500	1500
Exhaust optimization		IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3

Yacht Gensets		60Hz/ 480V	60Hz/ 480V	60Hz/ 480V	60Hz/ 480V	60Hz/ 480V	60Hz/ 480V	60Hz/ 480V	60Hz/ 480V	
Rated power ICXN	kWe <sup>(1,2)</sup>	5	6	9	12	16	20	25	30	38
Rated power ICXN	kVA <sup>(1,2)</sup>	6,25	7,5	11	15	20	25	31	37	47
Speed	rpm	1800	1800	1800	1800	1800	1800	1800	1800	1800
Exhaust optimization		IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3	IMO II/ EPA 3

Yacht Gensets		Dimensions and masses								
Length	mm	724	724	889	1000	1169	1169	1101	1330	1524
Width	mm	495	495	559	580	580	580	582	610	737
Height	mm	517	517	604	641	680	713	678	770	779
Mass, dry	kg	171	171	244	339	397	441	450	604	642

Yacht Gensets		50Hz/ 600V	50Hz/ 600V	50Hz/ 600V	50Hz/ 600V	50Hz/ 600V	50Hz/ 600V	50Hz/ 600V	50Hz/ 600V	
Rated power ICXN	kWe <sup>(1,2)</sup>	33	50	55	67	90	80	105	115	155
Rated power ICXN	kVA <sup>(1,2)</sup>	41	62	69	84	112	100	131	143	194
Speed	rpm	1500	1500	1500	1500	1500	1500	1500	1500	1500
Exhaust optimization		IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2

Yacht Gensets		60Hz/ 600V	60Hz/ 600V	60Hz/ 600V	60Hz/ 600V	60Hz/ 600V	60Hz/ 600V	60Hz/ 600V	60Hz/ 600V	
Rated power ICXN	kWe <sup>(1,2)</sup>	40	55	65	92	99	99	130	145	185
Rated power ICXN	kVA <sup>(1,2)</sup>	50	69	81	115	124	124	162	181	231
Speed	rpm	1800	1800	1800	1800	1800	1800	1800	1800	1800
Exhaust optimization		IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2	IMO II/ EPA 2

Yacht Gensets		Dimensions and masses								
Length	mm	1631	1722	1801	1802	1992	2184	2212	2212	2215
Width	mm	787	787	787	816	916	764	812	812	812
Height	mm	1020	1020	1020	1032	1032	1020	1146	1146	1146
Mass, dry	kg	873	996	1037	1052	1224	1266	1532	1340	1639

Emergency Gensets		50Hz/ 600V	50Hz/ 600V	50Hz/ 600V	60Hz/ 600V	60Hz/ 600V	60Hz/ 600V	60Hz/ 600V	
Rated power ICXN	kWe <sup>(1,2)</sup>	33	50	80	40	60	99	140	165
Rated power ICXN	kVA <sup>(1,2)</sup>	-	-	-	-	-	-	-	-
Speed	rpm	1500	1500	1500	1800	1800	1800	1800	1800

Emergency Gensets		Dimensions and masses								
Length	mm	1631	2084	2390	1631	2084	2390	on request	on request	
Width	mm	787	787	868	787	787	868	on request	on request	
Height	mm	1020	1092	1140	1020	1092	1140	on request	on request	
Mass, dry	kg	862	1061	1320	862	1061	1320	on request	on request	

1) Rated power depends on ambient conditions and alternator specification. Other ratings are available on request.

2) @cosphi 0.8