

4-5 kW ONAN MARINE GENSET



HX- COOLED RATINGS

kWe	kVa*	Hz	RPM	Phase	Voltage	Amps	Emissions
Model MDKBH							
4	4	50	2400	1	110 220	36.4 18.2	
					115 230	34.8 17.4	
					120 240	33.3 16.6	
5	5	60	2900	1	120	41.7	EPA3
					120 240	41.7 20.8	

Ratings below 130 kW are not subject to IMO emission regulations.

*Single phase output at 1.0 power factor; three phase output at .8 power factor.

These models are available as ignition protected for use in gasoline powered vessels.

FUEL CONSUMPTION

kWe	Hz	1/4 Load L/hr (Gal/hr)	1/2 Load L/hr (Gal/hr)	3/4 Load L/hr (Gal/hr)	Full Load L/hr (Gal/hr)
KC- and HX- cooled ratings					
4	50	0.8 (0.21)	1.0 (0.28)	1.3 (0.35)	1.7 (0.44)
5	60	1.0 (0.27)	1.3 (0.35)	1.7 (0.44)	2.1 (0.55)

For more information on average fuel consumption and emissions, refer to the Reference Materials section.

PRODUCT DIMENSIONS

Length	mm (in)	662	(26)
Width	mm (in)	511	(20)
Height	mm (in)	524	(21)
Weight	kg (lb)	166	(365)

Dimensions may vary based on selected engine configuration.

6-8 kW ONAN MARINE GENSET



HX- COOLED RATINGS

kWe	kVa*	Hz	RPM	Phase	Voltage	Amps	Emissions
Model MDKBJ							
6	6	50	2400	1	110 220	54.5 27.3	
					115 230	52.2 26.1	
					120 240	50.0 25.0	
7.5	7.5	60	2900	1	120	62.5	EPA3
					120 240	62.5 31.3	
Model MDKBW							
8	8	50	2880	1	110 220	72.7 36.4	
					115 230	69.6 34.8	
					120 240	66.6 33.3	

Ratings below 130 kW are not subject to IMO emission regulations.

*Single phase output at 1.0 power factor; three phase output at .8 power factor.

7.5 kWe Generator set is available as ignition protected for use in gasoline powered vessels.

FUEL CONSUMPTION

kWe	Hz	1/4 Load L/hr (Gal/hr)	1/2 Load L/hr (Gal/hr)	3/4 Load L/hr (Gal/hr)	Full Load L/hr (Gal/hr)
KC- and HX- cooled ratings					
6	50	1.12 (0.30)	1.46 (0.39)	1.84 (0.48)	2.28 (0.60)
7.5	60	1.40 (0.37)	1.84 (0.48)	2.33 (0.61)	2.93 (0.70)
8	50	1.41 (0.37)	1.85 (0.49)	2.35 (0.62)	2.97 (0.78)

For more information on average fuel consumption and emissions, refer to the Reference Materials section.

PRODUCT DIMENSIONS

Length	mm (in)	664	(26)
Width	mm (in)	583	(23)
Height	mm (in)	535	(21)
Weight	kg (lb)	195	(429)

Dimensions may vary based on selected engine configuration.

7-9 kW Space Saver ONAN MARINE GENSET



KC- AND HX- COOLED RATINGS

kWe	kVa*	Hz	RPM	Phase	Voltage	Amps	Emissions
Model MDKDK							
7	7	50	1500	1	110 220	63.6 31.8	—
					115 230	60.9 30.4	
					120 240	58.3 29.2	
9	9	60	1800	1	120	75	EPA3
					120 240	75 37.5	

Ratings below 130 kW are not subject to IMO emission regulations.

*Single phase output at 1.0 power factor; three phase output at .8 power factor.

FUEL CONSUMPTION

kWe	Hz	1/4 Load L/hr (Gal/hr)	1/2 Load L/hr (Gal/hr)	3/4 Load L/hr (Gal/hr)	Full Load L/hr (Gal/hr)
KC- and HX- cooled ratings					
7	50	1.1 (0.3)	1.5 (0.4)	2.0 (0.5)	2.8 (0.8)
9	60	1.3 (0.3)	1.9 (0.5)	2.6 (0.7)	3.8 (1.0)

For more information on average fuel consumption and emissions, refer to the Reference Materials section.

PRODUCT DIMENSIONS

Length	mm (in)	823	(32)
Width	mm (in)	479	(19)
Height	mm (in)	560	(22)
Weight	kg (lb)	238	(525)

Dimensions may vary based on selected engine configuration.

7-9 kW ONAN MARINE GENSET



KC- AND HX- COOLED RATINGS

kWe	kVa*	Hz	RPM	Phase	Voltage	Amps	Emissions
Model MDKDL							
7	7	50	1500	1	110 220	63.6 31.8	—
					115 230	60.9 30.4	
					120 240	58.3 29.2	
9	9	60	1800	1	120	75	EPA3
					120 240	75 37.5	

Ratings below 130 kW are not subject to IMO emission regulations.

*Single phase output at 1.0 power factor; three phase output at .8 power factor.

FUEL CONSUMPTION

kWe	Hz	1/4 Load L/hr (Gal/hr)	1/2 Load L/hr (Gal/hr)	3/4 Load L/hr (Gal/hr)	Full Load L/hr (Gal/hr)
KC- and HX- cooled ratings					
7	50	1.1 (0.3)	1.5 (0.4)	2.0 (0.5)	2.8 (0.8)
9	60	1.3 (0.3)	1.9 (0.5)	2.6 (0.7)	3.8 (1.0)

For more information on average fuel consumption and emissions, refer to the Reference Materials section.

PRODUCT DIMENSIONS

		HOUSED		UNHOUSED	
Length	mm (in)	911	(36)	911	(36)
Width	mm (in)	566	(22)	566	(22)
Height	mm (in)	593	(23)	585	(23)
Weight	kg (lb)	272	(600)	252	(555)

Dimensions may vary based on selected engine configuration.

9.5–13.5 kW ONAN MARINE GENSET



KC- AND HX- COOLED RATINGS

kWe	kVa*	Hz	RPM	Phase	Voltage	Amps	Emissions
Model MDKDM							
9.5	9.5	50	1500	1	110 220	86.4 43.2	—
					115 230	82.6 41.3	
					120 240	79.2 39.6	
11.5	11.5	60	1800	1	120	95.8	EPA3
					120 240	95.8 47.9	
Model MDKDN							
11	11	50	1500	1	110 220	100 50	—
					115 230	95.7 47.8	
					120 240	91.7 46	
13.5	13.5	60	1800	1	120	112.5	EPA3
					120 240	112 56.3	

Ratings below 130 kW are not subject to IMO emission regulations.

*Single phase output at 1.0 power factor; three phase output at .8 power factor.

FUEL CONSUMPTION

kWe	Hz	1/4 Load L/hr (Gal/hr)	1/2 Load L/hr (Gal/hr)	3/4 Load L/hr (Gal/hr)	Full Load L/hr (Gal/hr)
KC- and HX- cooled ratings					
9.5	50	1.4 (0.4)	2.1 (0.6)	2.8 (0.7)	3.4 (0.9)
11	50	1.5 (0.4)	2.2 (0.6)	3.0 (0.8)	4.0 (1.0)
11.5	60	1.7 (0.4)	2.5 (0.7)	3.2 (0.8)	3.9 (1.0)
13.5	60	1.8 (0.5)	2.6 (0.7)	3.6 (1.0)	4.5 (1.2)

For more information on average fuel consumption and emissions, refer to the Reference Materials section.

PRODUCT DIMENSIONS

		HOUSED		UNHOUSED	
Length	mm (in)	1033	(41)	1033	(41)
Width	mm (in)	566	(22)	566	(22)
Height	mm (in)	593	(23)	585	(23)
Weight	kg (lb)	315	(695)	290	(640)

Dimensions may vary based on selected engine configuration.

13.5–21.5 kW ONAN MARINE GENSET



KC- AND HX- COOLED RATINGS

kWe	kVa*	Hz	RPM	Phase	Voltage	Amps	Emissions
Model MDKDP							
13.5	13.5	50	1500	1	110 220	122.7 61.4	—
					115 230	117.4 58.7	
					120 240	112.5 56.3	
13.5	16.9	50	1500	3	220 380	25.6	—
17	17	60	1800	1	120 240	141.7 70.8	EPA3
17	21.1	60	1800	3	120 208	59	EPA3
Model MDKDR							
17.5	17.5	50	1500	1	110 220	159.1 79.5	—
					115 230	152.2 76.1	
					120 240	145.8 72.9	
17.5	21.9	50	1500	3	220 380	33.2	—
21.5	21.5	60	1800	1	120 240	179 89.6	EPA3
21.5	26.9	60	1800	3	120 208	74.6	EPA3
Model MDKDV							
19	19	50	1500	1	110 220	172.7 86.4	—
					115 230	165.2 82.6	
19	23.8	50	1500	3	220 380	36.1	—

Ratings below 130 kW are not subject to IMO emission regulations.

*Single phase output at 1.0 power factor; three phase output at .8 power factor.

FUEL CONSUMPTION

kWe	Hz	1/4 Load L/hr (Gal/hr)	1/2 Load L/hr (Gal/hr)	3/4 Load L/hr (Gal/hr)	Full Load L/hr (Gal/hr)
KC- and HX- cooled ratings					
13.5	50	1.9 (0.5)	2.7 (0.7)	3.6 (0.9)	4.8 (1.3)
17	60	2.6 (0.7)	3.6 (1.0)	4.8 (1.3)	6.1 (1.6)
17.5	50	2.3 (0.6)	3.4 (0.9)	4.7 (1.2)	6.5 (1.7)
19	50	2.5 (0.7)	3.9 (1.0)	5.2 (1.4)	6.6 (1.7)
21.5	60	2.9 (0.8)	4.1 (1.1)	5.7 (1.5)	8.2 (2.2)

For more information on average fuel consumption and emissions, refer to the Reference Materials section.

See next page for product dimensions.

13.5–21.5 kW

ONAN MARINE GENSET (CONTINUED)

PRODUCT DIMENSIONS

		HOUSED		UNHOUSED	
Length	mm (in)	1139	(44)	1133	(44)
Width	mm (in)	602	(24)	602	(24)
Height	mm (in)	698	(28)	667	(27)
Weight	kg (lb)	422	(930)	395	(870)

Dimensions may vary based on selected model.

22.5–29 kW ONAN MARINE GENSET



KC- AND HX- COOLED RATINGS

kWe	kVa*	Hz	RPM	Phase	Voltage	Amps	Emissions
Model MDKDT							
22.5	22.5	50	1500	1	110 220	205 102	—
					115 230	196 97.8	
					120 240	188 93.8	
22.5	28.1	50	1500	3	220 380	42.7	—
Model MDKDU							
27	27	50	1500	1	110 220	245 123	—
					115 230	235 117	
					120 240	225 113	
27	33.8	50	1500	3	220 380	51.3	—
Model MDKDS							
29	29	60	1800	1	120 240	241.7 120.8	EPA3
29	36.2	60	1800	3	120 208	100.6	EPA3

Ratings below 130 kW are not subject to IMO emission regulations.

*Single phase output at 1.0 power factor; three phase output at .8 power factor.

FUEL CONSUMPTION

kWe	Hz	1/4 Load L/hr (Gal/hr)	1/2 Load L/hr (Gal/hr)	3/4 Load L/hr (Gal/hr)	Full Load L/hr (Gal/hr)
KC- and HX- cooled ratings					
22.5	50	3.0 (0.8)	4.0 (1.1)	5.2 (1.4)	7.0 (1.8)
27	50	3.0 (0.8)	4.7 (1.2)	6.2 (1.6)	9.1 (2.4)
29	60	3.9 (1.0)	5.6 (1.5)	7.6 (2.0)	10.7 (2.8)

For more information on average fuel consumption and emissions, refer to the Reference Materials section.

PRODUCT DIMENSIONS

		HOUSED		UNHOUSED		
Length	mm (in)	1358	(54)	1358	(54)	
Width	mm (in)	622	(25)	622	(25)	
Height	mm (in)	761	(30)	731	(29)	
Weight	kg (lb)	601	(1325)	565	(1245)	MDKDT
		626	(1380)	590	(1300)	MDKDU
		626	(1380)	590	(1300)	MDKDS

Dimensions may vary based on selected engine configuration.

50–65 kW ONAN MARINE GENSET



PRIME POWER RATINGS

KC- and HX- cooled ratings

kWe	kVa*	Hz	RPM	Phase	Voltage	Amps	Emissions
Model MDDCY							
50	50	50	1500	1	110 220	454.4 227.3	—
					115 230	434.8 217.4	
					120 240	416.7 208.3	
50	62.5	50	1500	3	110 190	189.9	—
					115 200	180.4	
					120 208	173.5	
					110 220	164	
					115 230	156.9	
					120 240	150.4	
					220 380	95	
					230 400	90.2	
					240 416	86.7	
255 440	82						
Model MDDCS							
55	55	60	1800	1	120 240	458.4 229.2	EPA3
					120 208	190.8	
					127 220	180.4	
55	68.75	60	1800	3	120 240	165.4	EPA3
					139 240	165.4	
					240 416	95.4	
					255 440	90.2	
					277 480	82.7	
Model MDDCT							
65	65	60	1800	1	120 240	541.7 270.8	EPA3
					120 208	225.5	
					127 220	213.2	
65	81.25	60	1800	3	120 240	195.5	EPA3
					139 240	195.5	
					240 416	112.8	
					255 440	106.6	
					277 480	97.7	

Ratings below 130 kW are not subject to IMO emission regulations.

*Single phase output at 1.0 power factor; three phase output at .8 power factor.

See next page for fuel consumption and product dimensions.

50–65 kW

ONAN MARINE GENSET (CONTINUED)

FUEL CONSUMPTION

kWe	Hz	1/4 Load L/hr (Gal/hr)	1/2 Load L/hr (Gal/hr)	3/4 Load L/hr (Gal/hr)	Full Load L/hr (Gal/hr)
KC- and HX- cooled ratings					
50	50	4.6 (1.2)	7.6 (2.0)	10.8 (2.9)	14.1 (3.7)
55	60	5.5 (1.4)	9.3 (2.4)	13.0 (3.4)	16.8 (4.4)
65	60	5.8 (1.5)	10.7 (2.8)	14.3 (4.0)	19.7 (5.2)

For more information on average fuel consumption and emissions, refer to the Reference Materials section.

PRODUCT DIMENSIONS

		HOUSED		UNHOUSED	
Length	mm (in)	1738	(70)	1779	(70)
Width	mm (in)	840	(33)	822	(32)
Height	mm (in)	1039	(41)	994	(39)
Weight	kg (lb)	1167	(2752)	1067	(2352)

Dimensions may vary based on selected engine configuration.

40–80 kW ONAN MARINE GENSET



PRIME POWER RATINGS

KC- and HX- cooled ratings

kWe	kVa*	Hz	RPM	Phase	Voltage	Amps	Emissions
Model MDCT							
40	50	60	1800	3	120 208	139	EPA3
					120 240	120	
					127 220	131	
					139 240	120	
					240 416	69	
					255 440	66	
40	40	50	1500	1	110 220	182	EU Stg V
					120 240	167	
40	50	50	1500	3	110 190	152	EU Stg V
					110 220	131	
					120 208	139	
					120 240	120	
55	55	60	1800	1	220 380	76	EPA3
					240 416	69	
					120 240	229	
55	68.8	60	1800	3	120 208	191	EPA3
					120 240	165	
					127 220	180	
					139 240	165	
					240 416	95	
55	68.8	50	1500	3	255 440	90	EU Stg V
					277 480	83	
					110 190	209	
					120 208	191	
					110 220	180	
65	65	60	1800	1	120 240	165	EPA3
					120 240	104	
					220 380	104	
					240 416	95	
65	81.3	60	1800	3	120 208	226	EPA3
					120 240	196	
					127 220	213	
					139 240	196	
					240 416	113	
					255 440	107	
277 480	98						

See next page for continuation, fuel consumption and product dimensions.

40–80 kW

ONAN MARINE GENSET (CONTINUED)

PRIME POWER RATINGS (CONTINUED)

KC- and HX- cooled ratings

kWe	kVa*	Hz	RPM	Phase	Voltage	Amps	Emissions
Model MDCT							
65	81.3	50	1500	3	110 190	247	EU Stg V
					110 220	213	
					120 208	226	
					120 240	196	
					220 380	123	
80	100	60	1800	3	240 416	113	EPA3
					120 208	278	
					120 240	241	
					127 220	262	
					139 240	241	
					240 416	139	
					255 440	131	
					277 480	120	

Ratings below 130 kW are not subject to IMO emission regulations.

*Single phase output at 1.0 power factor; three phase output at 0.8 power factor.

FUEL CONSUMPTION

kWe	Hz	1/4 Load L/hr (Gal/hr)	1/2 Load L/hr (Gal/hr)	3/4 Load L/hr (Gal/hr)	Full Load L/hr (Gal/hr)
KC- and HX- cooled ratings					
40	60	TBA	TBA	TBA	TBA
40	50	TBA	TBA	TBA	TBA
55	60	TBA	TBA	TBA	TBA
55	50	TBA	TBA	TBA	TBA
65	60	TBA	TBA	TBA	TBA
65	50	TBA	TBA	TBA	TBA
80	60	TBA	TBA	TBA	TBA

For more information on average fuel consumption and emissions, refer to the Reference Materials section.

PRODUCT DIMENSIONS

		HOUSED		UNHOUSED	
Length	mm (in)	1782	(70)	1779	(70)
Width	mm (in)	833	(33)	819	(32)
Height	mm (in)	1036	(41)	975	(38)
Weight	kg (lb)	1156	(2546)	1031	(2273)

Dimensions may vary based on selected engine configuration.

70–100 kW ONAN MARINE GENSET



PRIME POWER RATINGS

KC- and HX- cooled ratings

kWe	kVa*	Hz	RPM	Phase	Voltage	Amps	Emissions
Model MDCT							
80	100	50	1500	3	110 190	304	EU Stg V
					110 220	262	
					120 208	278	
					120 240	241	
					220 380	152	
85	85	60	1800	1	120 240	256	EPA3
					240 416	139	
99	124	60	1800	3	120 208	344	EPA3
					120 240	298	
					127 220	325	
					139 240	298	
					240 416	172	
99	124	50	1500	3	255 440	162	EU Stg V
					277 480	149	
					110 190	376	
					120 208	343	
					110 220	325	
110	138	60	1800	3	120 240	298	EPA3
					220 380	188	
					240 416	172	
					120 208	382	
					127 220	361	
110	138	60	1800	3	139 240	331	EPA3
					120 240	331	
					240 416	191	
					255 440	180	
					277 480	165	

Ratings below 130 kW are not subject to IMO emission regulations.

*Single phase output at 1.0 power factor; three phase output at .8 power factor

See next page for fuel consumption and product dimensions.

70-110 kW

ONAN MARINE GENSET (CONTINUED)

FUEL CONSUMPTION

kWe	Hz	1/4 Load L/hr (Gal/hr)	1/2 Load L/hr (Gal/hr)	3/4 Load L/hr (Gal/hr)	Full Load L/hr (Gal/hr)
KC- and HX- cooled ratings					
80	50	6.24 (1.65)	13.19 (3.48)	17.96 (4.75)	23.55 (6.22)
99	60	8.98 (2.37)	15.39 (4.07)	21.88 (5.78)	28.82 (7.61)
99	50	8.63 (2.28)	14.31 (3.78)	21.40 (5.65)	28.80 (7.61)
110	60	8.99 (2.38)	16.14 (4.26)	23.64 (6.24)	30.52 (8.06)

For more information on average fuel consumption and emissions, refer to the Reference Materials section.

PRODUCT DIMENSIONS

		HOUSED		UNHOUSED	
Length	mm (in)	1947	(77)	1944	(77)
Width	mm (in)	904	(36)	819	(36)
Height	mm (in)	1129	(45)	1129	(45)
Weight	kg (lb)	1453	(3203)	1337	(2948)

Dimensions may vary based on selected engine configuration.