

Gemi Tipi	2010 ve Sonrası	2010 Öncesi
ARAMAKURTARMA GEMİSİ	59,049*GT^0,5485	44,324*GT^0,5300
DÖKME YÜK GEMİSİ	35,912*GT^0,5276	89,571*GT^0,4446
KİMYASAL TANKER	14,755*GT^0,6082	29,821*GT^0,5552
KONTEYNER GEMİSİ	2,9165*GT^0,8719	1,3284*GT^0,9303
KURUYÜK	5,56482*GT^0,7425	10,539*GT^0,6760
PETROL GAZ TANKERİ (LPG)	14,755*GT^0,6082	29,821*GT^0,5552
PETROL TANKERİ	14,755*GT^0,6082	29,821*GT^0,5552
RO RO GEMİSİ	164,578*GT^0,4350	35,93*GT^0,5885
RO RO/YOLCU GEMİSİ	9,55078*GT^0,7570	1,39129*GT^0,9222
TAM KONTEYNER GEMİSİ	2,9165*GT^0,8719	1,3284*GT^0,9303

İşletme Modu	Ana Makine Yüğü	Yardımcı Makine Yüğü
Manevrada	0,3	0,8
Limanda	0,0	0,5
Seyirde	0,8	0,5

Gemi Tipi	YardımcıMakine/Ana Makine Oranı
ARAMA KURTARMA GEMİSİ	0,35
DÖKME YÜK GEMİSİ	0,30
KİMYASAL TANKER	0,30
KONTEYNER GEMİSİ	0,25
KURUYÜK	0,23
PETROL GAZ TANKERİ (LPG)	0,30
PETROL TANKERİ	0,30
RO RO GEMİSİ	0,24
RO RO/YOLCU GEMİSİ	0,16
TAM KONTEYNER GEMİSİ	0,25

Gemi Tipi	Ortalama Seyir Hızı (km/saat)	Manevra Süresi (saat)	Liman Süresi (saat)
ARAMA KURTARMA GEMİSİ	20	1	27
DÖKME YÜK GEMİSİ	26	1	52
KİMYASAL TANKER	26	1	38
KONTEYNER GEMİSİ	36	1	14
KURUYÜK	23	1	39
PETROL GAZ TANKERİ (LPG)	26	1	38
RO RO/YOLCU GEMİSİ	39	0,8	14

Table 8.3 ME emission factors (g/kWh) for 'at sea' 2007

Engine type / Fuel type	NO _x pre-2000 engine	NO _x post- 2000 engine	NO _x fleet average	SO ₂	CO ₂	VOC	PM	sfc
(g/kWh)								
SSD / MGO	17.0	14.1	16.0	0.7	588	0.6	0.3	185
SSD / MDO	17.0	14.1	16.0	5.6	588	0.6	0.3	185
SSD / RO	18.1	15.0	17.0	10.5	620	0.6	1.7	195
MSD / MGO	13.2	11.0	12.4	0.8	645	0.5	0.3	203
MSD / MDO	13.2	11.0	12.4	6.2	645	0.5	0.4	203
MSD / RO	14.0	11.6	13.1	11.5	677	0.5	0.8	213
HSD / MGO	12.0	10.0	11.3	0.8	645	0.2	0.3	203
HSD / MDO	12.0	10.0	11.3	6.2	645	0.2	0.4	203
HSD / RO	12.7	10.5	11.9	11.5	677	0.2	0.8	213
GT / MGO	5.7	4.7	5.3	1.2	922	0.1	0.0	290
GT / MDO	5.7	4.7	5.3	8.7	922	0.1	0.0	290
GT / RO	6.1	5.1	5.7	16.5	970	0.1	0.1	305
ST / MGO	2.0	1.7	1.9	1.2	922	0.1	0.3	290
ST / MDO	2.0	1.7	1.9	8.7	922	0.1	0.4	290
ST / RO	2.1	1.7	2.0	16.5	970	0.1	0.8	305

Table 8.4 ME emission factors (g/kWh) for 'manoeuvring' and 'at berth' 2007

Engine type	Fuel type	(g/kWh)							
		NO _x pre-2000 engine	NO _x post- 2000 engine	NO _x fleet average	SO ₂	CO ₂	VOC	PM	sfc
SSD	/ MGO	13.6	11.3	12.8	0.8	647	1.8	0.9	204
SSD	/ MDO	13.6	11.3	12.8	6.2	647	1.8	1.2	204
SSD	/ RO	14.5	12.0	13.6	11.6	682	1.8	2.4	215
MSD	/ MGO	10.6	8.8	9.9	0.9	710	1.5	0.9	223
MSD	/ MDO	10.6	8.8	9.9	6.8	710	1.5	1.2	223
MSD	/ RO	11.2	9.3	10.5	12.7	745	1.5	2.4	234
HSD	/ MGO	9.6	8.0	9.0	0.9	710	0.6	0.9	223
HSD	/ MDO	9.6	8.0	9.0	6.8	710	0.6	1.2	223
HSD	/ RO	10.2	8.5	9.6	12.7	745	0.6	2.4	234
GT	/ MGO	2.9	2.4	2.7	1.3	1014	0.5	0.5	319
GT	/ MDO	2.9	2.4	2.7	9.6	1014	0.5	0.7	319
GT	/ RO	3.1	2.6	2.9	18.1	1067	0.5	1.5	336
ST	/ MGO	1.6	1.3	1.5	1.3	1014	0.3	0.9	319
ST	/ MDO	1.6	1.3	1.5	9.6	1014	0.3	1.2	319
ST	/ RO	1.7	1.4	1.6	18.1	1067	0.3	2.4	336

Table 8.5 AE Emission Factors for 'at sea', 'manoeuvring' and 'at berth' 2007

Engine type / Fuel type	(g/kWh)						
	NO _x pre-2000 engine	NO _x post- 2000 engine	NO _x fleet average	SO ₂	CO ₂	VOC	PM
M/H SD / MGO	13.9	11.5	13.0	0.9	690	0.4	0.3
M/H SD / MDO	13.9	11.5	13.0	6.5	690	0.4	0.4
M/H SD / RO	14.7	12.2	13.8	12.3	722	0.4	0.8
							217
							217
							227