

## Annex 2.2 Detailed discussion on methodology and data for estimating CO<sub>2</sub> emissions from fossil fuel combustion – mobile combustion – road transport

### Vehicle fleet and mileage data

**Table 1 Vehicle fleet data (number of vehicles) associated with the 1989-2012 period**

Category	Fuel	1989	1990	1991	1992	1993	1994	1995	1996
Passenger Cars	Gasoline	1163055	1163055	1288409	1433726	1613749	1818015	1977729	2093559
Passenger Cars	Diesel	129228	129228	143157	159303	179305	202002	219748	232618
Light-Duty Vehicles	Gasoline	78864	78864	81471	87131	93563	101463	113652	123126
Light-Duty Vehicles	Diesel	91933	91933	97022	102796	109118	117387	127921	136214
Heavy-Duty Vehicles	Diesel	375824	375824	392875	409138	430348	456580	474837	489510
Two-Wheel Vehicles	Gasoline	311646	311646	315479	322756	326505	325701	327724	254996

Category	Fuel	1997	1998	1999	2000	2001	2002	2003	2004
Passenger Cars	Gasoline	2202378	2335114	2431864	2499835	2593072	2676051	2778865	2902830
Passenger Cars	Diesel	244709	259457	270207	277759	288119	297339	308763	322537
Light-Duty Vehicles	Gasoline	132559	147970	163646	169692	175049	170720	183168	197097
Light-Duty Vehicles	Diesel	142987	153983	165695	169090	170185	161234	175032	177804
Heavy-Duty Vehicles	Diesel	501382	517112	534542	533941	528059	477555	517104	495394
Two-Wheel Vehicles	Gasoline	250510	245719	242583	239208	237901	238480	235850	234702

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Gasoline <1,4 l	PRE ECE	29156	29288	14041	12812	12020	10395	9530	9284
Gasoline <1,4 l	ECE 15/00-01	145698	146121	108316	97173	88663	71336	61961	58403
Gasoline <1,4 l	ECE 15/02	161438	161945	123413	110708	100838	80353	69134	65050
Gasoline <1,4 l	ECE 15/03	304663	305922	251948	229184	210216	168029	143171	133511
Gasoline <1,4 l	ECE 15/04	867756	872069	890169	849936	805039	698039	618667	580316
Gasoline <1,4 l	Improved Conventional	0	0	0	0	0	0	0	0
Gasoline <1,4 l	Open Loop	0	0	0	0	0	0	0	0
Gasoline <1,4 l	PC Euro 1 - 91/441/EEC	0	0	12	892	2066	2975	3159	3268
Gasoline <1,4 l	PC Euro 2 - 94/12/EEC	257764	257836	267076	289287	318390	354016	365444	383831
Gasoline <1,4 l	PC Euro 3 - 98/69/EC Stage2000	96850	142673	160616	166156	168641	171748	174096	179826
Gasoline <1,4 l	PC Euro 4 - 98/69/EC Stage2005	66917	130408	278424	423028	483544	524558	540937	567843
Gasoline <1,4 l	PC Euro 5 - EC 715/2007	5	6	0	75	1862	22521	51274	71165
Gasoline <1,4 l	PC Euro 6 - EC 715/2007	0	0	0	0	0	0	0	1
Gasoline 1,4 - 2,0 l	PRE ECE	3795	3846	2002	1887	1815	1690	1645	1646
Gasoline 1,4 - 2,0 l	ECE 15/00-01	8013	8071	4484	4084	3806	3334	3141	3070
Gasoline 1,4 - 2,0 l	ECE 15/02	31389	31578	18796	17041	15729	13402	12239	11778
Gasoline 1,4 - 2,0 l	ECE 15/03	42311	42800	26908	25432	24027	21173	19385	18489
Gasoline 1,4 - 2,0 l	ECE 15/04	136915	138245	150204	150819	148969	142672	137050	133593
Gasoline 1,4 - 2,0 l	Improved Conventional	0	0	0	0	0	0	0	0
Gasoline 1,4 - 2,0 l	Open Loop	0	0	0	0	0	0	0	0
Gasoline 1,4 - 2,0 l	PC Euro 1 - 91/441/EEC	1	1	57	5423	9824	11302	11633	11854
Gasoline 1,4 - 2,0 l	PC Euro 2 - 94/12/EEC	84725	84907	92795	148442	204608	256206	263728	269193
Gasoline 1,4 - 2,0 l	PC Euro 3 - 98/69/EC Stage2000	58474	75004	93483	103639	107953	112458	113901	117727
Gasoline 1,4 - 2,0 l	PC Euro 4 - 98/69/EC Stage2005	30742	54945	110658	180860	213603	236238	249139	275093

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Gasoline 1,4 - 2,0 l	PC Euro 5 - EC 715/2007	1	1	0	104	1994	8795	26440	37795
Gasoline 1,4 - 2,0 l	PC Euro 6 - EC 715/2007	0	0	0	0	0	0	0	7
Gasoline >2,0 l	PRE ECE	717	779	532	583	621	636	667	735
Gasoline >2,0 l	ECE 15/00-01	1724	1748	896	868	860	821	824	829
Gasoline >2,0 l	ECE 15/02	4266	4284	1561	1426	1347	1230	1177	1165
Gasoline >2,0 l	ECE 15/03	7765	7812	2768	2615	2484	2282	2169	2109
Gasoline >2,0 l	ECE 15/04	17772	18011	14053	13775	13409	12747	12283	11954
Gasoline >2,0 l	PC Euro 1 - 91/441/EEC	0	2	6	126	195	205	218	225
Gasoline >2,0 l	PC Euro 2 - 94/12/EEC	6362	6393	5945	6554	7025	7074	7035	7080
Gasoline >2,0 l	PC Euro 3 - 98/69/EC Stage2000	3322	4212	4598	5405	5736	5870	5897	6003
Gasoline >2,0 l	PC Euro 4 - 98/69/EC Stage2005	7614	10009	13394	20058	22526	23493	23479	23633
Gasoline >2,0 l	PC Euro 5 - EC 715/2007	0	0	0	29	289	875	1355	1858
Gasoline >2,0 l	PC Euro 6 - EC 715/2007	0	0	0	0	0	0	0	0
Diesel <2,0 l	Conventional	117028	121148	101899	99378	95753	87011	81025	77601
Diesel <2,0 l	PC Euro 1 - 91/441/EEC	0	4	44	3855	6829	7783	8020	8261
Diesel <2,0 l	PC Euro 2 - 94/12/EEC	44119	44204	48552	66420	84787	107370	111385	114987
Diesel <2,0 l	PC Euro 3 - 98/69/EC Stage2000	200707	341102	378414	432347	451083	467342	471200	486899
Diesel <2,0 l	PC Euro 4 - 98/69/EC Stage2005	16137	52288	180631	317992	379185	420680	437068	472509
Diesel <2,0 l	PC Euro 5 - EC 715/2007	2	2	0	92	2533	15944	45698	85084
Diesel <2,0 l	PC Euro 6 - EC 715/2007	0	0	0	0	0	2	9	59
Diesel >2,0 l	Conventional	102092	104021	75046	68534	60052	52221	48041	46107
Diesel >2,0 l	PC Euro 1 - 91/441/EEC	0	0	28	568	884	941	960	1006
Diesel >2,0 l	PC Euro 2 - 94/12/EEC	13299	13333	13256	15519	17524	18565	18866	19456
Diesel >2,0 l	PC Euro 3 - 98/69/EC Stage2000	35106	49974	53701	63314	66905	69243	70040	72094

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Diesel >2,0 l	PC Euro 4 - 98/69/EC Stage2005	2595	8965	26640	52865	63663	70613	72474	76613
Diesel >2,0 l	PC Euro 5 - EC 715/2007	1	1	1	43	690	4153	9740	17862
Diesel >2,0 l	PC Euro 6 - EC 715/2007	0	0	0	0	20	86	218	935
LPG	Conventional	131315	133345	135332	139330	142344	140136	144524	140693
LPG	PC Euro 1 - 91/441/EEC	0	0	6	257	416	384	462	565
LPG	PC Euro 2 - 94/12/EEC	27170	27222	27345	27446	27505	25809	27090	37982
LPG	PC Euro 3 - 98/69/EC Stage2000	13287	21464	24410	24960	25208	22244	24737	28158
LPG	PC Euro 4 - 98/69/EC Stage2005	2150	4766	14950	25780	28534	23822	29520	38720
LPG	PC Euro 5 - EC 715/2007	0	0	0	1	8	106	988	2448
LPG	PC Euro 6 - EC 715/2007	0	0	0	0	0	0	0	0
2-Stroke	Conventional	27497	27551	25738	23305	21652	17852	16059	15437
Hybrid Gasoline <1,4 l	PC Euro 4 - 98/69/EC Stage2005	0	0	9	33	45	52	66	99
Hybrid Gasoline 1,4 - 2,0 l	PC Euro 4 - 98/69/EC Stage2005	0	6	34	124	153	167	222	296
Hybrid Gasoline >2,0 l	PC Euro 4 - 98/69/EC Stage2005	0	0	69	280	411	507	542	596
Gasoline <3,5t	Conventional	112702	115152	105528	103175	100236	94070	88963	85351
Gasoline <3,5t	LD Euro 1 - 93/59/EEC	2	12	13	27	36	43	47	57
Gasoline <3,5t	LD Euro 2 - 96/69/EEC	42448	43277	44786	44861	44777	44497	43973	43593
Gasoline <3,5t	LD Euro 3 - 98/69/EC Stage2000	418	6624	6775	6877	6889	4198	3329	2748
Gasoline <3,5t	LD Euro 4 - 98/69/EC Stage2005	381	656	2734	6057	7373	8238	8296	8313
Gasoline <3,5t	LD Euro 5 - 2008 Standards	0	0	0	0	0	53	747	1324
Gasoline <3,5t	LD Euro 6	0	0	0	0	0	0	0	0
Diesel <3,5 t	Conventional	73380	75794	69552	65704	61778	57445	54647	52840
Diesel <3,5 t	LD Euro 1 - 93/59/EEC	2	3	15	122	236	297	502	800
Diesel <3,5 t	LD Euro 2 - 96/69/EEC	43594	44693	46754	48510	50451	53066	61223	73494

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Diesel <3,5 t	LD Euro 3 - 98/69/EC Stage2000	71199	105273	116266	126511	129666	131978	142639	157944
Diesel <3,5 t	LD Euro 4 - 98/69/EC Stage2005	331	7201	30164	64373	80263	87061	93336	96098
Diesel <3,5 t	LD Euro 5 - 2008 Standards	0	2	2	2	35	1160	6405	16638
Diesel <3,5 t	LD Euro 6	0	0	0	0	0	0	0	0
Gasoline >3,5 t	Conventional	2958	2988	993	991	967	968	951	947
Rigid <=7,5 t	Conventional	20727	21189	64986	61259	57815	54663	52509	49867
Rigid <=7,5 t	HD Euro I - 91/542/EEC Stage I	3	15	44	158	279	424	501	564
Rigid <=7,5 t	HD Euro II - 91/542/EEC Stage II	6375	6387	6414	7144	7457	7953	8248	8563
Rigid <=7,5 t	HD Euro III - 2000 Standards	11129	15023	12005	12785	13011	13311	13587	14485
Rigid <=7,5 t	HD Euro IV - 2005 Standards	8	420	930	2682	3217	3545	3754	3865
Rigid <=7,5 t	HD Euro V - 2008 Standards	0	0	6	11	16	63	148	620
Rigid <=7,5 t	HD Euro VI	0	0	0	0	0	0	0	0
Rigid 7,5 - 12 t	Conventional	14110	14297	8792	8351	7946	7677	7528	6839
Rigid 7,5 - 12 t	HD Euro I - 91/542/EEC Stage I	0	4	29	69	93	116	134	150
Rigid 7,5 - 12 t	HD Euro II - 91/542/EEC Stage II	428	428	603	815	895	1001	1081	1199
Rigid 7,5 - 12 t	HD Euro III - 2000 Standards	689	1065	1423	1623	1704	1812	1918	2359
Rigid 7,5 - 12 t	HD Euro IV - 2005 Standards	0	2	121	306	447	485	534	819
Rigid 7,5 - 12 t	HD Euro V - 2008 Standards	0	0	7	26	60	101	185	273
Rigid 7,5 - 12 t	HD Euro VI	0	0	0	0	0	0	0	0
Rigid 12 - 14 t	Conventional	33003	33329	21703	19792	18430	17101	16164	15382
Rigid 12 - 14 t	HD Euro I - 91/542/EEC Stage I	1	2	9	23	33	45	54	62
Rigid 12 - 14 t	HD Euro II - 91/542/EEC Stage II	132	132	184	240	256	290	326	375

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Rigid 12 - 14 t	HD Euro III - 2000 Standards	162	221	300	345	349	361	372	463
Rigid 12 - 14 t	HD Euro IV - 2005 Standards	0	1	22	104	140	153	161	258
Rigid 12 - 14 t	HD Euro V - 2008 Standards	0	0	3	13	18	26	62	73
Rigid 12 - 14 t	HD Euro VI	0	0	0	0	0	0	0	0
Rigid 14 - 20 t	Conventional	42837	43846	36756	35248	33477	31533	29967	28745
Rigid 14 - 20 t	HD Euro I - 91/542/EEC Stage I	2	9	64	159	207	261	295	335
Rigid 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1254	1256	1675	2154	2341	2611	2774	3002
Rigid 14 - 20 t	HD Euro III - 2000 Standards	1783	2594	3187	3417	3507	3674	3815	3996
Rigid 14 - 20 t	HD Euro IV - 2005 Standards	1	4	339	979	1349	1528	1575	1608
Rigid 14 - 20 t	HD Euro V - 2008 Standards	0	0	95	318	351	514	739	983
Rigid 14 - 20 t	HD Euro VI	0	0	0	0	0	0	0	0
Rigid 20 - 26 t	Conventional	25733	26642	23958	23356	22129	20841	19871	18979
Rigid 20 - 26 t	HD Euro I - 91/542/EEC Stage I	8	30	78	155	198	248	269	305
Rigid 20 - 26 t	HD Euro II - 91/542/EEC Stage II	943	946	1422	1909	2152	2459	2658	2877
Rigid 20 - 26 t	HD Euro III - 2000 Standards	1272	2112	2700	3078	3285	3523	3721	3963
Rigid 20 - 26 t	HD Euro IV - 2005 Standards	1	28	157	548	727	792	845	878
Rigid 20 - 26 t	HD Euro V - 2008 Standards	0	5	30	136	171	305	471	764
Rigid 20 - 26 t	HD Euro VI	0	0	0	0	0	0	0	0
Rigid 26 - 28 t	Conventional	523	536	522	526	504	477	440	422
Rigid 26 - 28 t	HD Euro I - 91/542/EEC Stage I	0	1	8	12	20	27	30	36
Rigid 26 - 28 t	HD Euro II - 91/542/EEC Stage II	26	26	83	147	182	228	261	306
Rigid 26 - 28 t	HD Euro III - 2000 Standards	190	369	601	679	718	775	816	875

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Rigid 26 - 28 t	HD Euro IV - 2005 Standards	0	0	32	216	253	267	275	268
Rigid 26 - 28 t	HD Euro V - 2008 Standards	0	2	10	62	85	146	216	280
Rigid 26 - 28 t	HD Euro VI	0	0	0	0	0	0	0	0
Rigid 28 - 32 t	Conventional	178	187	184	205	217	205	206	198
Rigid 28 - 32 t	HD Euro I - 91/542/EEC Stage I	0	2	8	23	30	34	41	49
Rigid 28 - 32 t	HD Euro II - 91/542/EEC Stage II	241	242	336	508	544	628	686	771
Rigid 28 - 32 t	HD Euro III - 2000 Standards	441	771	1263	1491	1551	1584	1592	1711
Rigid 28 - 32 t	HD Euro IV - 2005 Standards	0	0	105	309	336	337	351	364
Rigid 28 - 32 t	HD Euro V - 2008 Standards	0	0	26	84	88	108	163	197
Rigid 28 - 32 t	HD Euro VI	0	0	0	0	0	0	0	0
Rigid >32 t	Conventional	285	334	344	403	439	445	486	371
Rigid >32 t	HD Euro I - 91/542/EEC Stage I	3	6	21	51	60	73	85	101
Rigid >32 t	HD Euro II - 91/542/EEC Stage II	193	194	365	627	711	775	842	969
Rigid >32 t	HD Euro III - 2000 Standards	1840	3763	7257	7874	7812	7593	7658	7884
Rigid >32 t	HD Euro IV - 2005 Standards	0	9	389	2737	3205	3326	3300	3415
Rigid >32 t	HD Euro V - 2008 Standards	0	0	56	218	257	364	976	1293
Rigid >32 t	HD Euro VI	0	0	0	0	0	0	0	0
Articulated 14 - 20 t	Conventional	8693	8936	6840	6493	6165	5858	5586	5372
Articulated 14 - 20 t	HD Euro I - 91/542/EEC Stage I	17	30	89	111	121	136	148	156
Articulated 14 - 20 t	HD Euro II - 91/542/EEC Stage II	5846	5910	6693	7298	7373	7419	7393	7407
Articulated 14 - 20 t	HD Euro III - 2000 Standards	12426	18240	23807	26505	27463	29156	30473	30967
Articulated 14 - 20 t	HD Euro IV - 2005 Standards	88	207	877	2613	2832	3412	4434	4121

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Articulated 14 - 20 t	HD Euro V - 2008 Standards	10	212	2010	4505	5121	6424	9581	15079
Articulated 14 - 20 t	HD Euro VI	0	0	0	0	0	0	0	18
Articulated 20 - 28 t	Conventional	4581	4642	2914	2716	2541	2391	2299	2230
Articulated 20 - 28 t	HD Euro I - 91/542/EEC Stage I	3	13	15	20	19	13	13	14
Articulated 20 - 28 t	HD Euro II - 91/542/EEC Stage II	550	556	714	878	900	916	935	951
Articulated 20 - 28 t	HD Euro III - 2000 Standards	2998	4146	5292	5724	5974	6346	6631	6926
Articulated 20 - 28 t	HD Euro IV - 2005 Standards	4	10	82	341	363	394	520	447
Articulated 20 - 28 t	HD Euro V - 2008 Standards	3	43	519	1133	1422	1753	2383	3352
Articulated 20 - 28 t	HD Euro VI	0	0	0	0	0	0	0	0
Articulated 28 - 34 t	Conventional	27	29	25	24	23	22	22	22
Articulated 28 - 34 t	HD Euro I - 91/542/EEC Stage I	0	0	1	1	1	2	3	3
Articulated 28 - 34 t	HD Euro II - 91/542/EEC Stage II	37	37	44	48	48	48	50	52
Articulated 28 - 34 t	HD Euro III - 2000 Standards	60	81	129	127	131	127	134	140
Articulated 28 - 34 t	HD Euro IV - 2005 Standards	0	0	2	33	41	44	43	46
Articulated 28 - 34 t	HD Euro V - 2008 Standards	0	0	5	21	22	26	33	39
Articulated 28 - 34 t	HD Euro VI	0	0	0	0	0	0	0	0
Articulated 34 - 40 t	Conventional	32	32	33	33	33	29	28	28
Articulated 34 - 40 t	HD Euro I - 91/542/EEC Stage I	0	0	0	0	0	0	0	0
Articulated 34 - 40 t	HD Euro II - 91/542/EEC Stage II	18	18	14	15	16	14	14	14
Articulated 34 - 40 t	HD Euro III - 2000 Standards	2	6	13	15	15	16	18	18
Articulated 34 - 40 t	HD Euro IV - 2005 Standards	0	0	0	10	10	10	14	13
Articulated 34 - 40 t	HD Euro V - 2008 Standards	0	0	1	1	2	2	4	13



Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Articulated 34 - 40 t	HD Euro VI	0	0	0	0	0	0	0	0
Articulated 40 - 50 t	Conventional	0	0	0	0	0	0	0	0
Articulated 40 - 50 t	HD Euro I - 91/542/EEC Stage I	0	0	0	1	1	1	1	1
Articulated 40 - 50 t	HD Euro II - 91/542/EEC Stage II	1	1	2	2	2	1	1	2
Articulated 40 - 50 t	HD Euro III - 2000 Standards	4	6	11	12	11	10	16	17
Articulated 40 - 50 t	HD Euro IV - 2005 Standards	0	0	0	3	4	4	5	4
Articulated 40 - 50 t	HD Euro V - 2008 Standards	0	0	2	6	14	14	20	28
Articulated 40 - 50 t	HD Euro VI	0	0	0	0	0	0	0	0
Articulated 50 - 60 t	Conventional	0	0	0	0	0	0	0	0
Articulated 50 - 60 t	HD Euro I - 91/542/EEC Stage I	0	0	0	0	0	0	0	0
Articulated 50 - 60 t	HD Euro II - 91/542/EEC Stage II	0	0	0	0	0	0	0	0
Articulated 50 - 60 t	HD Euro III - 2000 Standards	0	0	0	0	0	0	0	0
Articulated 50 - 60 t	HD Euro IV - 2005 Standards	0	0	0	0	0	0	0	0
Articulated 50 - 60 t	HD Euro V - 2008 Standards	0	0	0	0	0	0	0	0
Articulated 50 - 60 t	HD Euro VI	0	0	0	0	0	0	0	0
Urban CNG Buses	HD Euro I - 91/542/EEC Stage I	0	0	0	0	0	0	0	0
Urban CNG Buses	HD Euro II - 91/542/EEC Stage II	0	0	0	0	0	0	0	0
Urban CNG Buses	HD Euro III - 2000 Standards	0	0	0	0	0	0	0	0
Urban CNG Buses	EEV	0	0	0	0	0	0	0	0
Urban Biodiesel Buses	Conventional	0	0	0	0	0	0	0	0
Urban Biodiesel Buses	HD Euro I - 91/542/EEC Stage I	0	0	0	0	0	0	0	0
Urban Biodiesel Buses	HD Euro II - 91/542/EEC Stage II	0	0	0	0	0	0	0	0

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Urban Biodiesel Buses	HD Euro III - 2000 Standards	0	0	0	0	0	0	0	0
Urban Biodiesel Buses	HD Euro IV - 2005 Standards	0	0	0	0	0	0	0	0
Urban Biodiesel Buses	HD Euro V - 2008 Standards	0	0	0	0	0	0	0	0
Urban Biodiesel Buses	HD Euro VI	0	0	0	0	0	0	0	0
Urban Buses Midi <=15 t	Conventional	3550	3608	2529	2251	1950	1756	1601	1451
Urban Buses Midi <=15 t	HD Euro I - 91/542/EEC Stage I	0	0	1	9	13	24	28	30
Urban Buses Midi <=15 t	HD Euro II - 91/542/EEC Stage II	114	114	146	174	184	199	215	214
Urban Buses Midi <=15 t	HD Euro III - 2000 Standards	275	448	615	676	679	677	680	682
Urban Buses Midi <=15 t	HD Euro IV - 2005 Standards	0	0	14	73	95	131	141	117
Urban Buses Midi <=15 t	HD Euro V - 2008 Standards	0	0	0	0	1	1	1	35
Urban Buses Midi <=15 t	HD Euro VI	0	0	0	0	0	0	0	0
Urban Buses Standard 15 - 18 t	Conventional	4255	4348	3306	2938	2557	2243	1991	1812
Urban Buses Standard 15 - 18 t	HD Euro I - 91/542/EEC Stage I	4	26	46	146	219	321	375	390
Urban Buses Standard 15 - 18 t	HD Euro II - 91/542/EEC Stage II	205	205	282	421	466	561	704	837
Urban Buses Standard 15 - 18 t	HD Euro III - 2000 Standards	352	494	521	528	528	532	533	536
Urban Buses Standard 15 - 18 t	HD Euro IV - 2005 Standards	0	0	35	634	802	818	820	818
Urban Buses Standard 15 - 18 t	HD Euro V - 2008 Standards	0	0	0	0	0	28	45	94
Urban Buses Standard 15 - 18 t	HD Euro VI	0	0	0	0	0	0	0	0
Urban Buses Articulated >18 t	Conventional	1366	1474	857	866	789	698	649	564
Urban Buses Articulated >18 t	HD Euro I - 91/542/EEC Stage I	3	17	19	47	65	90	136	153
Urban Buses Articulated >18 t	HD Euro II - 91/542/EEC Stage II	10	10	44	128	194	245	290	375
Urban Buses Articulated >18 t	HD Euro III - 2000 Standards	218	780	915	920	921	920	921	922

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Urban Buses Articulated >18 t	HD Euro IV - 2005 Standards	0	0	2	118	123	123	124	124
Urban Buses Articulated >18 t	HD Euro V - 2008 Standards	0	0	0	1	12	43	43	48
Urban Buses Articulated >18 t	HD Euro VI	0	0	0	0	0	0	0	0
Coaches Standard <=18 t	Conventional	6102	6307	6053	5718	5320	4990	4710	4463
Coaches Standard <=18 t	HD Euro I - 91/542/EEC Stage I	1	2	34	122	175	245	274	322
Coaches Standard <=18 t	HD Euro II - 91/542/EEC Stage II	277	279	1181	1313	1372	1473	1586	1753
Coaches Standard <=18 t	HD Euro III - 2000 Standards	727	1115	6961	7421	7434	7405	7345	7354
Coaches Standard <=18 t	HD Euro IV - 2005 Standards	1	2	1794	6323	6904	7181	7529	7282
Coaches Standard <=18 t	HD Euro V - 2008 Standards	0	0	0	2	7	81	287	2059
Coaches Standard <=18 t	HD Euro VI	0	0	0	0	0	0	0	0
Coaches Articulated >18 t	Conventional	139	149	137	170	161	162	156	158
Coaches Articulated >18 t	HD Euro I - 91/542/EEC Stage I	0	0	4	25	40	86	118	146
Coaches Articulated >18 t	HD Euro II - 91/542/EEC Stage II	51	51	86	119	160	210	275	381
Coaches Articulated >18 t	HD Euro III - 2000 Standards	237	344	433	447	451	453	491	530
Coaches Articulated >18 t	HD Euro IV - 2005 Standards	0	1	46	86	96	99	101	105
Coaches Articulated >18 t	HD Euro V - 2008 Standards	0	0	5	13	17	19	24	58
Coaches Articulated >18 t	HD Euro VI	0	0	0	0	0	0	0	0
<50 cm³	Conventional	11540	12884	16808	20566	22774	23960	25531	18679
<50 cm³	Mop - Euro I	0	0	0	0	0	0	0	5246
<50 cm³	Mop - Euro II	173	2238	15383	27605	30844	30449	33068	9231
<50 cm³	Mop - Euro III	373	2459	13280	17449	19007	18927	19154	1445
2-stroke >50 cm³	Conventional	16891	17483	5893	5913	5946	6000	5922	9894
2-stroke >50 cm³	Mot - Euro I	0	0	1671	1836	2029	2174	2299	0

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
2-stroke >50 cm <sup>3</sup>	Mot - Euro II	10	115	2658	3360	3507	3620	3666	298
2-stroke >50 cm <sup>3</sup>	Mot - Euro III	1	5	549	1051	1191	1312	1424	257
4-stroke <250 cm <sup>3</sup>	Conventional	3430	3963	4041	4856	5319	5525	5790	1941
4-stroke <250 cm <sup>3</sup>	Mot - Euro I	0	0	1146	1508	1815	2001	2249	3253
4-stroke <250 cm <sup>3</sup>	Mot - Euro II	530	2426	1823	2760	3138	3333	3585	7301
4-stroke <250 cm <sup>3</sup>	Mot - Euro III	34	532	376	863	1066	1209	1392	2930
4-stroke 250 - 750 cm <sup>3</sup>	Conventional	6805	9097	13984	17412	19460	20523	21379	11568
4-stroke 250 - 750 cm <sup>3</sup>	Mot - Euro I	0	0	3279	4764	5771	6411	7028	5682
4-stroke 250 - 750 cm <sup>3</sup>	Mot - Euro II	300	2293	5351	8720	10186	11155	12137	13094
4-stroke 250 - 750 cm <sup>3</sup>	Mot - Euro III	8	97	558	1327	1808	2232	2581	3070
4-stroke >750 cm <sup>3</sup>	Conventional	2073	2735	2085	2773	3226	3475	3695	2413
4-stroke >750 cm <sup>3</sup>	Mot - Euro I	0	0	1557	2014	2330	2552	2774	1896
4-stroke >750 cm <sup>3</sup>	Mot - Euro II	85	373	738	1129	1348	1563	1753	1974
4-stroke >750 cm <sup>3</sup>	Mot - Euro III	28	148	411	1001	1310	1580	1901	2246

**Table 2 Mileage data (average km/year/vehicle) associated with the 1989-2012 period**

Category	Fuel	1989	1990	1991	1992	1993	1994	1995	1996
Passenger Cars	Gasoline	22500	23900	17800	10400	8100	8200	6300	8030
Passenger Cars	Diesel	9990	10100	7500	11600	10000	9000	7800	12950
Light-Duty Vehicles	Gasoline	28000	13300	13600	10500	10000	10000	9800	10000
Light-Duty Vehicles	Diesel	11100	11200	8100	12000	9600	12000	8800	13450
Heavy-Duty Vehicles	Diesel	11100	11100	8350	11900	9600	9300	8800	13400
Two-Wheel Vehicles	Gasoline	2000	2000	2000	2000	2000	2000	2000	2000

Category	Fuel	1997	1998	1999	2000	2001	2002	2003	2004
Passenger Cars	Gasoline	8250	7620	6100	6000	7650	7200	7030	7250
Passenger Cars	Diesel	10200	9700	6900	7800	10500	12540	12500	9000
Light-Duty Vehicles	Gasoline	10000	9950	8800	9700	9830	9970	9800	9600
Light-Duty Vehicles	Diesel	11500	10800	8800	8650	11450	13400	14500	12000
Heavy-Duty Vehicles	Diesel	11500	10800	8250	8800	11350	13080	13800	15300
Two-Wheel Vehicles	Gasoline	2000	2000	2000	2000	2000	2000	2000	2000

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Gasoline <1,4 l	PRE ECE	3119.44	2607.17	2451.59	2175.22	2080.49	1938.13	1846.74	1901.79
Gasoline <1,4 l	ECE 15/00-01	5860.76	4898.32	4606.02	4086.77	3908.8	3641.34	3469.64	3573.06
Gasoline <1,4 l	ECE 15/02	6238.88	5214.34	4903.18	4350.43	4160.98	3876.27	3693.49	3803.58
Gasoline <1,4 l	ECE 15/03	7278.69	6083.39	5720.38	5075.51	4854.48	4522.31	4309.07	4437.51
Gasoline <1,4 l	ECE 15/04	8602.09	7189.47	6760.45	5998.33	5737.11	5344.55	5092.54	5244.33
Gasoline <1,4 l	Improved Conventional	0	0	0	0	0	0	0	0
Gasoline <1,4 l	Open Loop	0	0	0	0	0	0	0	0
Gasoline <1,4 l	PC Euro 1 - 91/441/EEC	12383.2	10349.7	9732.08	8634.95	8258.92	7693.8	7331.02	7549.53
Gasoline <1,4 l	PC Euro 2 - 94/12/EEC	12383.2	10349.7	9732.08	8634.95	8258.92	7693.8	7331.02	7549.53
Gasoline <1,4 l	PC Euro 3 - 98/69/EC Stage2000	13517.6	11297.7	10623.6	9425.94	9015.47	8398.58	8002.56	8241.09
Gasoline <1,4 l	PC Euro 4 - 98/69/EC Stage2005	13044.9	10902.7	10252.1	9096.36	8700.24	8104.92	7722.75	7952.94
Gasoline <1,4 l	PC Euro 5 - EC 715/2007	13044.9	10902.7	10252.1	9096.36	8700.24	8104.92	7722.75	7952.94
Gasoline <1,4 l	PC Euro 6 - EC 715/2007	13044.9	10902.7	10252.1	9096.36	8700.24	8104.92	7722.75	7952.94
Gasoline 1,4 - 2,0 l	PRE ECE	2835.85	2370.15	2228.72	1977.47	1891.36	1761.94	1678.86	1728.9
Gasoline 1,4 - 2,0 l	ECE 15/00-01	6427.93	5372.35	5051.77	4482.27	4287.07	3993.73	3805.41	3918.84
Gasoline 1,4 - 2,0 l	ECE 15/02	6806.05	5688.37	5348.93	4745.93	4539.26	4228.65	4029.26	4149.36
Gasoline 1,4 - 2,0 l	ECE 15/03	8413.03	7031.46	6611.87	5866.5	5611.02	5227.09	4980.61	5129.07
Gasoline 1,4 - 2,0 l	ECE 15/04	10303.6	8611.56	8097.68	7184.81	6871.93	6401.71	6099.85	6281.67
Gasoline 1,4 - 2,0 l	Improved Conventional	0	0	0	0	0	0	0	0
Gasoline 1,4 - 2,0 l	Open Loop	0	0	0	0	0	0	0	0
Gasoline 1,4 - 2,0 l	PC Euro 1 - 91/441/EEC	12761.3	10665.7	10029.2	8898.62	8511.1	7928.73	7554.86	7780.05
Gasoline 1,4 - 2,0 l	PC Euro 2 - 94/12/EEC	12761.3	10665.7	10029.2	8898.62	8511.1	7928.73	7554.86	7780.05
Gasoline 1,4 - 2,0 l	PC Euro 3 - 98/69/EC Stage2000	13706.6	11455.7	10772.2	9557.77	9141.56	8516.04	8114.48	8356.35
Gasoline 1,4 - 2,0 l	PC Euro 4 - 98/69/EC Stage2005	13801.2	11534.8	10846.4	9623.69	9204.6	8574.77	8170.45	8413.98

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Gasoline 1,4 - 2,0 l	PC Euro 5 - EC 715/2007	13801.2	11534.8	10846.4	9623.69	9204.6	8574.77	8170.45	8413.98
Gasoline 1,4 - 2,0 l	PC Euro 6 - EC 715/2007	13801.2	11534.8	10846.4	9623.69	9204.6	8574.77	8170.45	8413.98
Gasoline >2,0 l	PRE ECE	2930.38	2449.16	2303.01	2043.39	1954.4	1820.67	1734.82	1786.53
Gasoline >2,0 l	ECE 15/00-01	7562.27	6320.41	5943.25	5273.25	5043.62	4698.51	4476.96	4610.4
Gasoline >2,0 l	ECE 15/02	7751.33	6478.42	6091.84	5405.09	5169.71	4815.97	4588.88	4725.66
Gasoline >2,0 l	ECE 15/03	8413.03	7031.46	6611.87	5866.5	5611.02	5227.09	4980.61	5129.07
Gasoline >2,0 l	ECE 15/04	11532.5	9638.62	9063.46	8041.71	7691.52	7165.22	6827.36	7030.86
Gasoline >2,0 l	PC Euro 1 - 91/441/EEC	13328.5	11139.7	10475	9294.11	8889.38	8281.12	7890.64	8125.83
Gasoline >2,0 l	PC Euro 2 - 94/12/EEC	13328.5	11139.7	10475	9294.11	8889.38	8281.12	7890.64	8125.83
Gasoline >2,0 l	PC Euro 3 - 98/69/EC Stage2000	14084.7	11771.8	11069.3	9821.44	9393.74	8750.97	8338.33	8586.87
Gasoline >2,0 l	PC Euro 4 - 98/69/EC Stage2005	14368.3	12008.8	11292.2	10019.2	9582.87	8927.16	8506.22	8759.76
Gasoline >2,0 l	PC Euro 5 - EC 715/2007	14368.3	12008.8	11292.2	10019.2	9582.87	8927.16	8506.22	8759.76
Gasoline >2,0 l	PC Euro 6 - EC 715/2007	14368.3	12008.8	11292.2	10019.2	9582.87	8927.16	8506.22	8759.76
Diesel <2,0 l	Conventional	12569	11860.5	10139.4	10954.3	10351.8	9608.32	9486.21	11118
Diesel <2,0 l	PC Euro 1 - 91/441/EEC	15139.9	14286.5	12213.4	13195	12469.2	11573.7	11426.6	13392.2
Diesel <2,0 l	PC Euro 2 - 94/12/EEC	15139.9	14286.5	12213.4	13195	12469.2	11573.7	11426.6	13392.2
Diesel <2,0 l	PC Euro 3 - 98/69/EC Stage2000	15711.2	14825.6	12674.3	13692.9	12939.8	12010.4	11857.8	13897.5
Diesel <2,0 l	PC Euro 4 - 98/69/EC Stage2005	15996.9	15095.2	12904.7	13941.9	13175	12228.8	12073.4	14150.2
Diesel <2,0 l	PC Euro 5 - EC 715/2007	15996.9	15095.2	12904.7	13941.9	13175	12228.8	12073.4	14150.2
Diesel <2,0 l	PC Euro 6 - EC 715/2007	15996.9	15095.2	12904.7	13941.9	13175	12228.8	12073.4	14150.2
Diesel >2,0 l	Conventional	13997.3	13208.3	11291.6	12199.1	11528.2	10700.2	10564.2	12381.4
Diesel >2,0 l	PC Euro 1 - 91/441/EEC	17996.5	16982.1	14517.8	15684.6	14821.9	13757.4	13582.5	15919
Diesel >2,0 l	PC Euro 2 - 94/12/EEC	17996.5	16982.1	14517.8	15684.6	14821.9	13757.4	13582.5	15919
Diesel >2,0 l	PC Euro 3 - 98/69/EC Stage2000	18186.9	17161.8	14671.4	15850.6	14978.8	13903	13726.3	16087.5

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Diesel >2,0 l	PC Euro 4 - 98/69/EC Stage2005	18377.3	17341.5	14825.1	16016.5	15135.6	14048.5	13870	16255.9
Diesel >2,0 l	PC Euro 5 - EC 715/2007	18377.3	17341.5	14825.1	16016.5	15135.6	14048.5	13870	16255.9
Diesel >2,0 l	PC Euro 6 - EC 715/2007	18377.3	17341.5	14825.1	16016.5	15135.6	14048.5	13870	16255.9
LPG	Conventional	3966.39	1200.36	2192.8	2818.28	3946.23	1098.33	4321.01	2647.2
LPG	PC Euro 1 - 91/441/EEC	6296.3	1905.46	3480.88	4473.77	6264.3	1743.51	6859.23	4202.2
LPG	PC Euro 2 - 94/12/EEC	6296.3	1905.46	3480.88	4473.77	6264.3	1743.51	6859.23	4202.2
LPG	PC Euro 3 - 98/69/EC Stage2000	6296.3	1905.46	3480.88	4473.77	6264.3	1743.51	6859.23	4202.2
LPG	PC Euro 4 - 98/69/EC Stage2005	6296.3	1905.46	3480.88	4473.77	6264.3	1743.51	6859.23	4202.2
LPG	PC Euro 5 - EC 715/2007	6296.3	1905.46	3480.88	4473.77	6264.3	1743.51	6859.23	4202.2
LPG	PC Euro 6 - EC 715/2007	21458	1905.46	3480.88	4473.77	6264.3	1743.51	6859.23	4202.2
2-Stroke	Conventional	832.11	251.82	460.03	591.25	827.88	230.42	906.51	1728.9
Hybrid Gasoline <1,4 l	PC Euro 4 - 98/69/EC Stage2005	13044.9	10902.7	10252.1	9096.36	8700.24	8104.92	7722.75	7952.94
Hybrid Gasoline 1,4 - 2,0 l	PC Euro 4 - 98/69/EC Stage2005	13801.2	11534.8	10846.4	9623.69	9204.6	8574.77	8170.45	8413.98
Hybrid Gasoline >2,0 l	PC Euro 4 - 98/69/EC Stage2005	14368.3	12008.8	11292.2	10019.2	9582.87	8927.16	8506.22	8759.76
Gasoline <3,5t	Conventional	13328.5	11139.7	10475	9294.11	8889.38	8281.12	7890.64	8125.83
Gasoline <3,5t	LD Euro 1 - 93/59/EEC	17676.8	14774	13892.4	12326.2	11789.5	10982.8	10464.9	10776.8
Gasoline <3,5t	LD Euro 2 - 96/69/EEC	17676.8	14774	13892.4	12326.2	11789.5	10982.8	10464.9	10776.8
Gasoline <3,5t	LD Euro 3 - 98/69/EC Stage2000	18149.5	15169	14263.8	12655.8	12104.7	11276.4	10744.7	11065
Gasoline <3,5t	LD Euro 4 - 98/69/EC Stage2005	18149.5	15169	14263.8	12655.8	12104.7	11276.4	10744.7	11065
Gasoline <3,5t	LD Euro 5 - 2008 Standards	18149.5	15169	14263.8	12655.8	12104.7	11276.4	10744.7	11065
Gasoline <3,5t	LD Euro 6	18149.5	15169	14263.8	12655.8	12104.7	11276.4	10744.7	11065
Diesel <3,5 t	Conventional	16473	15544.4	13288.8	14356.8	13567.2	12592.7	12432.7	14571.4
Diesel <3,5 t	LD Euro 1 - 93/59/EEC	20376.9	19228.4	16438.2	17759.3	16782.5	15577.1	15379.2	18024.7
Diesel <3,5 t	LD Euro 2 - 96/69/EEC	20376.9	19228.4	16438.2	17759.3	16782.5	15577.1	15379.2	18024.7



Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Diesel <3,5 t	LD Euro 3 - 98/69/EC Stage2000	23900.1	22552.9	19280.3	20829.8	19684.1	18270.4	18038.2	21141.1
Diesel <3,5 t	LD Euro 4 - 98/69/EC Stage2005	23900.1	22552.9	19280.3	20829.8	19684.1	18270.4	18038.2	21141.1
Diesel <3,5 t	LD Euro 5 - 2008 Standards	23900.1	22552.9	19280.3	20829.8	19684.1	18270.4	18038.2	21141.1
Diesel <3,5 t	LD Euro 6	23900.1	22552.9	19280.3	20829.8	19684.1	18270.4	18038.2	21141.1
Gasoline >3,5 t	Conventional	10587.2	8848.57	8320.56	7382.56	7061.06	6577.91	6267.74	6454.56
Rigid <=7,5 t	Conventional	24566.6	23181.9	19818	21410.7	20233.1	18779.9	18541.2	16834.8
Rigid <=7,5 t	HD Euro I - 91/542/EEC Stage I	29803.7	28123.7	24042.7	25975	24546.3	22783.4	22493.8	20423.7
Rigid <=7,5 t	HD Euro II - 91/542/EEC Stage II	29803.7	28123.7	24042.7	25975	24546.3	22783.4	22493.8	20423.7
Rigid <=7,5 t	HD Euro III - 2000 Standards	33136.3	31268.6	26731.2	28879.6	27291.1	25331	25009.1	22707.5
Rigid <=7,5 t	HD Euro IV - 2005 Standards	33136.3	31268.6	26731.2	28879.6	27291.1	25331	25009.1	22707.5
Rigid <=7,5 t	HD Euro V - 2008 Standards	33136.3	31268.6	26731.2	28879.6	27291.1	25331	25009.1	22707.5
Rigid <=7,5 t	HD Euro VI	33136.3	31268.6	26731.2	28879.6	27291.1	25331	25009.1	22707.5
Rigid 7,5 - 12 t	Conventional	20567.4	19408.1	16591.8	17925.2	16939.3	15722.7	15522.9	14094.3
Rigid 7,5 - 12 t	HD Euro I - 91/542/EEC Stage I	34183.8	32256.9	27576.2	29792.4	28153.8	26131.7	25799.6	23425.2
Rigid 7,5 - 12 t	HD Euro II - 91/542/EEC Stage II	34183.8	32256.9	27576.2	29792.4	28153.8	26131.7	25799.6	23425.2
Rigid 7,5 - 12 t	HD Euro III - 2000 Standards	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5
Rigid 7,5 - 12 t	HD Euro IV - 2005 Standards	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5
Rigid 7,5 - 12 t	HD Euro V - 2008 Standards	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5
Rigid 7,5 - 12 t	HD Euro VI	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5
Rigid 12 - 14 t	Conventional	20567.4	19408.1	16591.8	17925.2	16939.3	15722.7	15522.9	14094.3
Rigid 12 - 14 t	HD Euro I - 91/542/EEC Stage I	34183.8	32256.9	27576.2	29792.4	28153.8	26131.7	25799.6	23425.2
Rigid 12 - 14 t	HD Euro II - 91/542/EEC Stage II	34183.8	32256.9	27576.2	29792.4	28153.8	26131.7	25799.6	23425.2
Rigid 12 - 14 t	HD Euro III - 2000 Standards	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5
Rigid 12 - 14 t	HD Euro IV - 2005 Standards	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Rigid 12 - 14 t	HD Euro V - 2008 Standards	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5
Rigid 12 - 14 t	HD Euro VI	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5
Rigid 14 - 20 t	Conventional	20567.4	19408.1	16591.8	17925.2	16939.3	15722.7	15522.9	14094.3
Rigid 14 - 20 t	HD Euro I - 91/542/EEC Stage I	34183.8	32256.9	27576.2	29792.4	28153.8	26131.7	25799.6	23425.2
Rigid 14 - 20 t	HD Euro II - 91/542/EEC Stage II	34183.8	32256.9	27576.2	29792.4	28153.8	26131.7	25799.6	23425.2
Rigid 14 - 20 t	HD Euro III - 2000 Standards	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5
Rigid 14 - 20 t	HD Euro IV - 2005 Standards	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5
Rigid 14 - 20 t	HD Euro V - 2008 Standards	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5
Rigid 14 - 20 t	HD Euro VI	35421.6	33425	28574.7	30871.3	29173.3	27078	26733.9	24273.5
Rigid 20 - 26 t	Conventional	24090.5	22732.6	19433.9	20995.8	19841	18415.9	18181.9	16508.6
Rigid 20 - 26 t	HD Euro I - 91/542/EEC Stage I	45419.6	42859.5	36640.2	39584.9	37407.7	34721	34279.7	31124.9
Rigid 20 - 26 t	HD Euro II - 91/542/EEC Stage II	45419.6	42859.5	36640.2	39584.9	37407.7	34721	34279.7	31124.9
Rigid 20 - 26 t	HD Euro III - 2000 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid 20 - 26 t	HD Euro IV - 2005 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid 20 - 26 t	HD Euro V - 2008 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid 20 - 26 t	HD Euro VI	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid 26 - 28 t	Conventional	24090.5	22732.6	19433.9	20995.8	19841	18415.9	18181.9	16508.6
Rigid 26 - 28 t	HD Euro I - 91/542/EEC Stage I	45419.6	42859.5	36640.2	39584.9	37407.7	34721	34279.7	31124.9
Rigid 26 - 28 t	HD Euro II - 91/542/EEC Stage II	45419.6	42859.5	36640.2	39584.9	37407.7	34721	34279.7	31124.9
Rigid 26 - 28 t	HD Euro III - 2000 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid 26 - 28 t	HD Euro IV - 2005 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid 26 - 28 t	HD Euro V - 2008 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid 26 - 28 t	HD Euro VI	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid 28 - 32 t	Conventional	24090.5	22732.6	19433.9	20995.8	19841	18415.9	18181.9	16508.6

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Rigid 28 - 32 t	HD Euro I - 91/542/EEC Stage I	45419.6	42859.5	36640.2	39584.9	37407.7	34721	34279.7	31124.9
Rigid 28 - 32 t	HD Euro II - 91/542/EEC Stage II	45419.6	42859.5	36640.2	39584.9	37407.7	34721	34279.7	31124.9
Rigid 28 - 32 t	HD Euro III - 2000 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid 28 - 32 t	HD Euro IV - 2005 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid 28 - 32 t	HD Euro V - 2008 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid 28 - 32 t	HD Euro VI	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Rigid >32 t	Conventional	43420	40972.6	35027.1	37842.2	35760.8	33192.4	32770.6	29754.6
Rigid >32 t	HD Euro I - 91/542/EEC Stage I	46371.8	43758	37408.3	40414.8	38191.9	35448.9	34998.4	31777.4
Rigid >32 t	HD Euro II - 91/542/EEC Stage II	46371.8	43758	37408.3	40414.8	38191.9	35448.9	34998.4	31777.4
Rigid >32 t	HD Euro III - 2000 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Rigid >32 t	HD Euro IV - 2005 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Rigid >32 t	HD Euro V - 2008 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Rigid >32 t	HD Euro VI	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 14 - 20 t	Conventional	24090.5	22732.6	19433.9	20995.8	19841	18415.9	18181.9	16508.6
Articulated 14 - 20 t	HD Euro I - 91/542/EEC Stage I	45419.6	42859.5	36640.2	39584.9	37407.7	34721	34279.7	31124.9
Articulated 14 - 20 t	HD Euro II - 91/542/EEC Stage II	45419.6	42859.5	36640.2	39584.9	37407.7	34721	34279.7	31124.9
Articulated 14 - 20 t	HD Euro III - 2000 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Articulated 14 - 20 t	HD Euro IV - 2005 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Articulated 14 - 20 t	HD Euro V - 2008 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Articulated 14 - 20 t	HD Euro VI	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Articulated 20 - 28 t	Conventional	24090.5	22732.6	19433.9	20995.8	19841	18415.9	18181.9	16508.6
Articulated 20 - 28 t	HD Euro I - 91/542/EEC Stage I	45419.6	42859.5	36640.2	39584.9	37407.7	34721	34279.7	31124.9
Articulated 20 - 28 t	HD Euro II - 91/542/EEC Stage II	45419.6	42859.5	36640.2	39584.9	37407.7	34721	34279.7	31124.9
Articulated 20 - 28 t	HD Euro III - 2000 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Articulated 20 - 28 t	HD Euro IV - 2005 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Articulated 20 - 28 t	HD Euro V - 2008 Standards	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Articulated 20 - 28 t	HD Euro VI	46562.3	43937.7	37561.9	40580.8	38348.8	35594.5	35142.1	31907.9
Articulated 28 - 34 t	Conventional	43420	40972.6	35027.1	37842.2	35760.8	33192.4	32770.6	29754.6
Articulated 28 - 34 t	HD Euro I - 91/542/EEC Stage I	46371.8	43758	37408.3	40414.8	38191.9	35448.9	34998.4	31777.4
Articulated 28 - 34 t	HD Euro II - 91/542/EEC Stage II	46371.8	43758	37408.3	40414.8	38191.9	35448.9	34998.4	31777.4
Articulated 28 - 34 t	HD Euro III - 2000 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 28 - 34 t	HD Euro IV - 2005 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 28 - 34 t	HD Euro V - 2008 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 28 - 34 t	HD Euro VI	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 34 - 40 t	Conventional	43420	40972.6	35027.1	37842.2	35760.8	33192.4	32770.6	29754.6
Articulated 34 - 40 t	HD Euro I - 91/542/EEC Stage I	46371.8	43758	37408.3	40414.8	38191.9	35448.9	34998.4	31777.4
Articulated 34 - 40 t	HD Euro II - 91/542/EEC Stage II	46371.8	43758	37408.3	40414.8	38191.9	35448.9	34998.4	31777.4
Articulated 34 - 40 t	HD Euro III - 2000 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 34 - 40 t	HD Euro IV - 2005 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 34 - 40 t	HD Euro V - 2008 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 34 - 40 t	HD Euro VI	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 40 - 50 t	Conventional	43420	40972.6	35027.1	37842.2	35760.8	33192.4	32770.6	29754.6
Articulated 40 - 50 t	HD Euro I - 91/542/EEC Stage I	46371.8	43758	37408.3	40414.8	38191.9	35448.9	34998.4	31777.4
Articulated 40 - 50 t	HD Euro II - 91/542/EEC Stage II	46371.8	43758	37408.3	40414.8	38191.9	35448.9	34998.4	31777.4
Articulated 40 - 50 t	HD Euro III - 2000 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 40 - 50 t	HD Euro IV - 2005 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 40 - 50 t	HD Euro V - 2008 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 40 - 50 t	HD Euro VI	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Articulated 50 - 60 t	Conventional	43420	40972.6	35027.1	37842.2	35760.8	33192.4	32770.6	29754.6
Articulated 50 - 60 t	HD Euro I - 91/542/EEC Stage I	46371.8	43758	37408.3	40414.8	38191.9	35448.9	34998.4	31777.4
Articulated 50 - 60 t	HD Euro II - 91/542/EEC Stage II	46371.8	43758	37408.3	40414.8	38191.9	35448.9	34998.4	31777.4
Articulated 50 - 60 t	HD Euro III - 2000 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 50 - 60 t	HD Euro IV - 2005 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 50 - 60 t	HD Euro V - 2008 Standards	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Articulated 50 - 60 t	HD Euro VI	46847.9	44207.3	37792.4	40829.7	38584	35812.8	35357.7	32103.6
Urban CNG Buses	HD Euro I - 91/542/EEC Stage I		0	0	0	0	0	0	0
Urban CNG Buses	HD Euro II - 91/542/EEC Stage II		0	0	0	0	0	0	0
Urban CNG Buses	HD Euro III - 2000 Standards		0	0	0	0	0	0	0
Urban CNG Buses	EEV		0	0	0	0	0	0	0
Urban Biodiesel Buses	Conventional		0	0	0	0	0	0	0
Urban Biodiesel Buses	HD Euro I - 91/542/EEC Stage I		0	0	0	0	0	0	0
Urban Biodiesel Buses	HD Euro II - 91/542/EEC Stage II		0	0	0	0	0	0	0
Urban Biodiesel Buses	HD Euro III - 2000 Standards		0	0	0	0	0	0	0
Urban Biodiesel Buses	HD Euro IV - 2005 Standards		0	0	0	0	0	0	0
Urban Biodiesel Buses	HD Euro V - 2008 Standards		0	0	0	0	0	0	0
Urban Biodiesel Buses	HD Euro VI		0	0	0	0	0	0	0
Urban Buses Midi <=15 t	Conventional	43610.5	41152.3	35180.7	38008.2	35917.7	33338	32914.3	29885.1
Urban Buses Midi <=15 t	HD Euro I - 91/542/EEC Stage I	43896.1	41421.9	35411.2	38257.1	36152.9	33556.3	33129.9	30080.9
Urban Buses Midi <=15 t	HD Euro II - 91/542/EEC Stage II	43896.1	41421.9	35411.2	38257.1	36152.9	33556.3	33129.9	30080.9
Urban Buses Midi <=15 t	HD Euro III - 2000 Standards	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1
Urban Buses Midi <=15 t	HD Euro IV - 2005 Standards	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1
Urban Buses Midi <=15 t	HD Euro V - 2008 Standards	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Urban Buses Midi <=15 t	HD Euro VI	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1
Urban Buses Standard 15 - 18 t	Conventional	43610.5	41152.3	35180.7	38008.2	35917.7	33338	32914.3	29885.1
Urban Buses Standard 15 - 18 t	HD Euro I - 91/542/EEC Stage I	43896.1	41421.9	35411.2	38257.1	36152.9	33556.3	33129.9	30080.9
Urban Buses Standard 15 - 18 t	HD Euro II - 91/542/EEC Stage II	43896.1	41421.9	35411.2	38257.1	36152.9	33556.3	33129.9	30080.9
Urban Buses Standard 15 - 18 t	HD Euro III - 2000 Standards	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1
Urban Buses Standard 15 - 18 t	HD Euro IV - 2005 Standards	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1
Urban Buses Standard 15 - 18 t	HD Euro V - 2008 Standards	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1
Urban Buses Standard 15 - 18 t	HD Euro VI	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1
Urban Buses Articulated >18 t	Conventional	43610.5	41152.3	35180.7	38008.2	35917.7	33338	32914.3	29885.1
Urban Buses Articulated >18 t	HD Euro I - 91/542/EEC Stage I	43896.1	41421.9	35411.2	38257.1	36152.9	33556.3	33129.9	30080.9
Urban Buses Articulated >18 t	HD Euro II - 91/542/EEC Stage II	43896.1	41421.9	35411.2	38257.1	36152.9	33556.3	33129.9	30080.9
Urban Buses Articulated >18 t	HD Euro III - 2000 Standards	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1
Urban Buses Articulated >18 t	HD Euro IV - 2005 Standards	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1
Urban Buses Articulated >18 t	HD Euro V - 2008 Standards	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1
Urban Buses Articulated >18 t	HD Euro VI	45514.9	42949.3	36717	39667.9	37486.1	34793.8	34351.6	31190.1
Coaches Standard <=18 t	Conventional	45991	43398.6	37101.1	40082.8	37878.2	35157.7	34710.9	31516.4
Coaches Standard <=18 t	HD Euro I - 91/542/EEC Stage I	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6
Coaches Standard <=18 t	HD Euro II - 91/542/EEC Stage II	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6
Coaches Standard <=18 t	HD Euro III - 2000 Standards	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6
Coaches Standard <=18 t	HD Euro IV - 2005 Standards	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6
Coaches Standard <=18 t	HD Euro V - 2008 Standards	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6
Coaches Standard <=18 t	HD Euro VI	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6
Coaches Articulated >18 t	Conventional	45991	43398.6	37101.1	40082.8	37878.2	35157.7	34710.9	31516.4
Coaches Articulated >18 t	HD Euro I - 91/542/EEC Stage I	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
Coaches Articulated >18 t	HD Euro II - 91/542/EEC Stage II	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6
Coaches Articulated >18 t	HD Euro III - 2000 Standards	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6
Coaches Articulated >18 t	HD Euro IV - 2005 Standards	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6
Coaches Articulated >18 t	HD Euro V - 2008 Standards	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6
Coaches Articulated >18 t	HD Euro VI	46467.1	43847.9	37485.1	40497.8	38270.3	35521.7	35070.2	31842.6
<50 cm³	Conventional	1890.57	1580.1	1485.81	1318.31	1260.9	1174.63	1119.24	1152.6
<50 cm³	Mop - Euro I	1890.57	1580.1	1485.81	1318.31	1260.9	1174.63	1119.24	1152.6
<50 cm³	Mop - Euro II	1890.57	1580.1	1485.81	1318.31	1260.9	1174.63	1119.24	1152.6
<50 cm³	Mop - Euro III	1890.57	1580.1	1485.81	1318.31	1260.9	1174.63	1119.24	1152.6
2-stroke >50 cm³	Conventional	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	1152.6
2-stroke >50 cm³	Mot - Euro I	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	1152.6
2-stroke >50 cm³	Mot - Euro II	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	1152.6
2-stroke >50 cm³	Mot - Euro III	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	1152.6
4-stroke <250 cm³	Conventional	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2
4-stroke <250 cm³	Mot - Euro I	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2
4-stroke <250 cm³	Mot - Euro II	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2
4-stroke <250 cm³	Mot - Euro III	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2
4-stroke 250 - 750 cm³	Conventional	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2
4-stroke 250 - 750 cm³	Mot - Euro I	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2
4-stroke 250 - 750 cm³	Mot - Euro II	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2
4-stroke 250 - 750 cm³	Mot - Euro III	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2
4-stroke >750 cm³	Conventional	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2
4-stroke >750 cm³	Mot - Euro I	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2
4-stroke >750 cm³	Mot - Euro II	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2

Subsector	Technology	2005	2006	2007	2008	2009	2010	2011	2012
4-stroke >750 cm <sup>3</sup>	Mot - Euro III	3781.14	3160.2	2971.63	2636.63	2521.81	2349.25	2238.48	2305.2