

# **ALLEGATO 1**

**DATI DI INPUT E DI OUTPUT DEL MODELLO COPERT IV**

PARCO CIRCOLATE 2007			Emissioni medie g/Km		0.07229	0.06683	0.06271	0.05941	0.05672	0.05453	0.05280
			Velocità Km/h		10.0	15.0	20.0	25.0	30.0	35.0	40.0
Sector	Subsector	Technology	Veicoli	VieckM	PM10 10	PM10 15	PM10 20	PM10 25	PM10 30	PM10 35	PM10 40
Passenger Cars	Gasoline <1,4 l	ECE 15/03	123632	4550	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244
Passenger Cars	Gasoline <1,4 l	PC Euro 1 - 91/441/EEC	92297	7000	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244
Passenger Cars	Gasoline <1,4 l	PC Euro 2 - 94/12/EEC	333014	7000	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244
Passenger Cars	Gasoline <1,4 l	PC Euro 3 - 98/69/EC Stage2000	220342	8400	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225
Passenger Cars	Gasoline <1,4 l	PC Euro 4 - 98/69/EC Stage2005	274259	8400	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225
Passenger Cars	Gasoline 1,4 - 2,0 l	ECE 15/03	52027	8400	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 1 - 91/441/EEC	56780	10570	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 2 - 94/12/EEC	158625	10570	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 3 - 98/69/EC Stage2000	70099	11200	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 4 - 98/69/EC Stage2005	87148	11200	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225
Passenger Cars	Gasoline >2,0 l	ECE 15/03	9708	9450	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244
Passenger Cars	Gasoline >2,0 l	PC Euro 1 - 91/441/EEC	3426	12040	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244
Passenger Cars	Gasoline >2,0 l	PC Euro 2 - 94/12/EEC	9834	12040	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244
Passenger Cars	Gasoline >2,0 l	PC Euro 3 - 98/69/EC Stage2000	10545	14000	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225
Passenger Cars	Gasoline >2,0 l	PC Euro 4 - 98/69/EC Stage2005	18735	14000	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225
Passenger Cars	Diesel <2,0 l	Conventional	16187	6000	0.4897	0.4444	0.4028	0.3649	0.3306	0.3000	0.2731
Passenger Cars	Diesel <2,0 l	PC Euro 1 - 91/441/EEC	8093	12300	0.1387	0.1275	0.1178	0.1095	0.1026	0.0971	0.0931
Passenger Cars	Diesel <2,0 l	PC Euro 2 - 94/12/EEC	72658	12300	0.1143	0.1070	0.1003	0.0943	0.0890	0.0844	0.0804
Passenger Cars	Diesel <2,0 l	PC Euro 3 - 98/69/EC Stage2000	240079	13200	0.0763	0.0720	0.0683	0.0650	0.0623	0.0600	0.0583
Passenger Cars	Diesel <2,0 l	PC Euro 4 - 98/69/EC Stage2005	214756	13200	0.0718	0.0690	0.0663	0.0639	0.0617	0.0597	0.0580
Passenger Cars	Diesel >2,0 l	Conventional	10532	6000	0.4897	0.4444	0.4028	0.3649	0.3306	0.3000	0.2731
Passenger Cars	Diesel >2,0 l	PC Euro 1 - 91/441/EEC	4651	13200	0.1387	0.1275	0.1178	0.1095	0.1026	0.0971	0.0931
Passenger Cars	Diesel >2,0 l	PC Euro 2 - 94/12/EEC	24596	13200	0.1143	0.1070	0.1003	0.0943	0.0890	0.0844	0.0804
Passenger Cars	Diesel >2,0 l	PC Euro 3 - 98/69/EC Stage2000	65281	14400	0.0763	0.0720	0.0683	0.0650	0.0623	0.0600	0.0583
Passenger Cars	Diesel >2,0 l	PC Euro 4 - 98/69/EC Stage2005	45838	14400	0.0718	0.0690	0.0663	0.0639	0.0617	0.0597	0.0580
Passenger Cars	LPG	Conventional	6764	6000	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212
Passenger Cars	LPG	PC Euro 1 - 91/441/EEC	3234	12300	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212
Passenger Cars	LPG	PC Euro 2 - 94/12/EEC	6402	14400	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212
Passenger Cars	LPG	PC Euro 3 - 98/69/EC Stage2000	4000	14400	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212
Passenger Cars	LPG	PC Euro 4 - 98/69/EC Stage2005	8118	14400	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212
Light Duty Vehicles	Gasoline <3,5t	Conventional	3 976	3750	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365
Light Duty Vehicles	Gasoline <3,5t	LD Euro 1 - 93/59/EEC	2 798	3750	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365
Light Duty Vehicles	Gasoline <3,5t	LD Euro 2 - 96/69/EEC	5 197	7750	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365	0.0365
Light Duty Vehicles	Gasoline <3,5t	LD Euro 3 - 98/69/EC Stage2000	4 141	7750	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345
Light Duty Vehicles	Gasoline <3,5t	LD Euro 4 - 98/69/EC Stage2005	1 967	7750	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345
Light Duty Vehicles	Diesel <3,5 t	Conventional	23 733	6000	0.3924	0.3907	0.3898	0.3897	0.3904	0.3919	0.3942
Light Duty Vehicles	Diesel <3,5 t	LD Euro 1 - 93/59/EEC	18 848	6000	0.2218	0.1980	0.1770	0.1589	0.1437	0.1312	0.1217
Light Duty Vehicles	Diesel <3,5 t	LD Euro 2 - 96/69/EEC	46 437	12375	0.2218	0.1980	0.1770	0.1589	0.1437	0.1312	0.1217
Light Duty Vehicles	Diesel <3,5 t	LD Euro 3 - 98/69/EC Stage2000	75 408	12375	0.1596	0.1436	0.1296	0.1174	0.1072	0.0989	0.0925
Light Duty Vehicles	Diesel <3,5 t	LD Euro 4 - 98/69/EC Stage2005	21 611	12375	0.0992	0.0909	0.0836	0.0772	0.0719	0.0675	0.0642
Light Duty Vehicles	Diesel <3,5 t	LD Euro 5 - 2008 Standards	491	13000	0.0370	0.0365	0.0361	0.0358	0.0355	0.0352	0.0350
Heavy Duty Trucks	Gasoline >3,5 t	Conventional	198	750	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723	0.0723
Heavy Duty Trucks	Rigid <=7,5 t	Conventional	4 092	6600	0.9671	0.7597	0.6378	0.5551	0.4954	0.4512	0.4181
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro I - 91/542/EEC Stage I	716	6600	0.4193	0.3448	0.2952	0.2606	0.2359	0.2181	0.2052
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro II - 91/542/EEC Stage II	1 435	13200	0.1799	0.1632	0.1521	0.1443	0.1387	0.1346	0.1316
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro III - 2000 Standards	1 662	13200	0.2100	0.1869	0.1701	0.1573	0.1474	0.1397	0.1336
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro IV - 2005 Standards	185	13200	0.1094	0.0986	0.0927	0.0892	0.0868	0.0851	0.0838
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro V - 2008 Standards	39	14000	0.1094	0.0986	0.0927	0.0892	0.0868	0.0851	0.0838
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro VI	5	14000	0.0742	0.0736	0.0734	0.0732	0.0731	0.0730	0.0729
Heavy Duty Trucks	Rigid 7,5 - 12 t	Conventional	3 897	5100	1.1215	0.8447	0.6884	0.5870	0.5157	0.4636	0.4249
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro I - 91/542/EEC Stage I	915	5100	0.7120	0.5510	0.4507	0.3836	0.3368	0.3034	0.2793
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro II - 91/542/EEC Stage II	1 804	10200	0.2729	0.2419	0.2172	0.1980	0.1832	0.1720	0.1640
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro III - 2000 Standards	1 466	10200	0.3479	0.2862	0.2439	0.2142	0.1930	0.1776	0.1664
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro IV - 2005 Standards	161	10200	0.1372	0.1171	0.1060	0.0994	0.0951	0.0921	0.0900
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro V - 2008 Standards	10	11000	0.1372	0.1171	0.1060	0.0994	0.0951	0.0921	0.0900
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro VI	3	11000	0.0756	0.0746	0.0740	0.0737	0.0735	0.0733	0.0732
Heavy Duty Trucks	Rigid 12 - 14 t	Conventional	754	5100	1.1838	0.8866	0.7235	0.6194	0.5466	0.4934	0.4536
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro I - 91/542/EEC Stage I	72	5100	0.7593	0.5808	0.4739	0.4045	0.3567	0.3228	0.2981
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro II - 91/542/EEC Stage II	85	10200	0.2855	0.2547	0.2295	0.2093	0.1933	0.1810	0.1719
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro III - 2000 Standards	124	10200	0.3765	0.2992	0.2496	0.2175	0.1960	0.1810	0.1704
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro IV - 2005 Standards	24	10200	0.1396	0.1187	0.1075	0.1008	0.0966	0.0936	0.0914
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro V - 2008 Standards	1	11000	0.1396	0.1187	0.1075	0.1008	0.0966	0.0936	0.0914
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro VI	3	11000	0.0757	0.0747	0.0741	0.0738	0.0735	0.0734	0.0733
Heavy Duty Trucks	Rigid 14 - 20 t	Conventional	1 704	1450	1.6670	1.2237	0.9800	0.8272	0.7219	0.6453	0.5880
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro I - 91/542/EEC Stage I	419	1450	1.0962	0.8093	0.6360	0.5282	0.4576	0.4093	0.3749
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 136	2900	0.3537	0.2965	0.2615	0.2382	0.2218	0.2098	0.2009
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro III - 2000 Standards	1 396	2900	0.5232	0.4022	0.3255	0.2770	0.2451	0.2234	0.2080
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro IV - 2005 Standards	163	2900	0.1701	0.1391	0.1225	0.1128	0.1065	0.1022	0.0990
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro V - 2008 Standards	22	3000	0.1701	0.1391	0.1225	0.1128	0.1065	0.1022	0.0990
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro VI	7	3000	0.0772	0.0757	0.0748	0.0744	0.0740	0.0738	0.0737
Heavy Duty Trucks	Rigid 20 - 26 t	Conventional	2 423	1450	1.5114	1.1635	0.9624	0.8283	0.7317	0.6596	0.6050
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro I - 91/542/EEC Stage I	710	1450	1.3930	1.0129	0.8053	0.6752	0.5856	0.5205	0.4718
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro II - 91/542/EEC Stage II	2 001	2900	0.4594	0.4026	0.3559	0.3181	0.2879	0.2643	0.2463
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro III - 2000 Standards	1 887	2900	0.6451	0.4923	0.3993	0.3396	0.2994	0.2712	0.2506
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro IV - 2005 Standards	225	2900	0.1996	0.1634	0.1436	0.1317	0.1238	0.1182	0.1141
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro V - 2008 Standards	8	3000	0.1996	0.1634	0.1436	0.1317	0.1238	0.1182	0.1141
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro VI	3	3000	0.0876	0.0858	0.0848	0.0842	0.0838	0.0835	0.0833
Heavy Duty Trucks	Rigid 26 - 28 t	Conventional	15	1450	1.5330	1.1871	0.9928	0.8630	0.7678	0.6952	0.6389
Heavy Duty Trucks	Rigid 26 - 28 t	HD Euro III - 2000 Standards	2	2900	0.6371	0.4884	0.4025	0.3484	0.3115	0.2847	0.2644
Heavy Duty Trucks	Rigid 28 - 32 t	Conventional	17	1450	1.5599	1.2498	1.0669	0.9367	0.8374	0.7600	0.6992
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro I - 91/542/EEC Stage I	102	1450	1.3721	1.0409	0.8582	0.7379	0.6510	0.5855	0.5354

Sector	Subsector	Technology	Veicoli	ViecKM	PM10 10	PM10 15	PM10 20	PM10 25	PM10 30	PM10 35	PM10 40
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro II - 91/542/EEC Stage II	478	2900	0.4832	0.4390	0.3993	0.3642	0.3335	0.3074	0.2858
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro III - 2000 Standards	1 135	2900	0.5981	0.4865	0.4140	0.3635	0.3264	0.2984	0.2770
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro IV - 2005 Standards	155	2900	0.2074	0.1685	0.1477	0.1356	0.1276	0.1220	0.1177
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro V - 2008 Standards	1	3000	0.2074	0.1685	0.1477	0.1356	0.1276	0.1220	0.1177
Heavy Duty Trucks	Rigid >32 t	Conventional	101	1525	1.6977	1.3158	1.1003	0.9535	0.8451	0.7628	0.6996
Heavy Duty Trucks	Rigid >32 t	HD Euro I - 91/542/EEC Stage I	12	1525	1.5412	1.1360	0.9171	0.7773	0.6786	0.6053	0.5498
Heavy Duty Trucks	Rigid >32 t	HD Euro II - 91/542/EEC Stage II	23	3050	0.5282	0.4700	0.4197	0.3767	0.3406	0.3109	0.2873
Heavy Duty Trucks	Rigid >32 t	HD Euro III - 2000 Standards	17	3050	0.6897	0.5308	0.4372	0.3764	0.3339	0.3028	0.2794
Heavy Duty Trucks	Rigid >32 t	HD Euro IV - 2005 Standards	5	3050	0.2119	0.1723	0.1508	0.1378	0.1291	0.1229	0.1182
Heavy Duty Trucks	Articulated 14 - 20 t	Conventional	416	1450	1.5472	1.1499	0.9303	0.7905	0.6928	0.6210	0.5670
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro I - 91/542/EEC Stage I	391	1450	0.9871	0.7479	0.6052	0.5131	0.4498	0.4044	0.3709
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 602	2900	0.3588	0.3165	0.2824	0.2552	0.2338	0.2174	0.2051
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro III - 2000 Standards	1 993	2900	0.4860	0.3821	0.3152	0.2721	0.2433	0.2234	0.2091
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro IV - 2005 Standards	478	2900	0.1706	0.1429	0.1278	0.1189	0.1132	0.1092	0.1062
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro V - 2008 Standards	47	3000	0.1706	0.1429	0.1278	0.1189	0.1132	0.1092	0.1062
Heavy Duty Trucks	Articulated 20 - 28 t	Conventional	54	1450	1.4324	1.1238	0.9420	0.8188	0.7289	0.6608	0.6086
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro I - 91/542/EEC Stage I	10	1450	1.2277	0.9327	0.7621	0.6518	0.5746	0.5180	0.4754
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro II - 91/542/EEC Stage II	22	2900	0.4494	0.4030	0.3629	0.3287	0.3000	0.2763	0.2575
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro III - 2000 Standards	35	2900	0.5919	0.4660	0.3862	0.3337	0.2979	0.2724	0.2539
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro IV - 2005 Standards	9	2900	0.2028	0.1679	0.1491	0.1379	0.1307	0.1256	0.1219
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro II - 91/542/EEC Stage II	6	2900	0.4784	0.4351	0.3962	0.3618	0.3319	0.3064	0.2854
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro III - 2000 Standards	4	2900	0.5922	0.4711	0.3970	0.3480	0.3136	0.2886	0.2698
Heavy Duty Trucks	Articulated 34 - 40 t	Conventional	11	1450	1.7281	1.3519	1.1392	0.9925	0.8827	0.7980	0.7323
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro I - 91/542/EEC Stage I	4	1450	1.5684	1.1663	0.9500	0.8114	0.7127	0.6388	0.5821
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro II - 91/542/EEC Stage II	10	2900	0.5554	0.5019	0.4538	0.4111	0.3738	0.3419	0.3154
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro III - 2000 Standards	25	2900	0.7056	0.5498	0.4581	0.3984	0.3564	0.3254	0.3018
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro IV - 2005 Standards	5	2900	0.2301	0.1911	0.1697	0.1566	0.1478	0.1415	0.1368
Heavy Duty Trucks	Articulated 40 - 50 t	Conventional	2	1525	1.8205	1.4391	1.2229	1.0720	0.9578	0.8692	0.7999
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro I - 91/542/EEC Stage I	2	1525	1.6361	1.2335	1.0169	0.8762	0.7747	0.6979	0.6388
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro II - 91/542/EEC Stage II	3	3050	0.6140	0.5558	0.5034	0.4570	0.4164	0.3818	0.3531
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro III - 2000 Standards	4	3050	0.7347	0.5785	0.4872	0.4269	0.3838	0.3515	0.3267
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro IV - 2005 Standards	3	3050	0.2445	0.2044	0.1823	0.1687	0.1596	0.1529	0.1480
Heavy Duty Trucks	Articulated 50 - 60 t	HD Euro III - 2000 Standards	4	3050	0.8119	0.6433	0.5448	0.4788	0.4307	0.3941	0.3658
Buses	Urban Buses Standard 15 - 18	Conventional	1289	44000	2.1125	1.5105	1.1856	0.9811	0.8390	0.7348	0.6565
Buses	Urban Buses Standard 15 - 18	HD Euro I - 91/542/EEC Stage I	173	44000	0.9780	0.7670	0.6380	0.5511	0.4886	0.4415	0.4048
Buses	Urban Buses Standard 15 - 18	HD Euro II - 91/542/EEC Stage II	1341	44000	0.4611	0.3866	0.3323	0.2927	0.2639	0.2428	0.2275
Buses	Urban Buses Standard 15 - 18	HD Euro III - 2000 Standards	1282	44000	0.4264	0.3633	0.3155	0.2793	0.2519	0.2312	0.2155
Buses	Urban Buses Standard 15 - 18	HD Euro IV - 2005 Standards	1	44000	0.1817	0.1473	0.1298	0.1186	0.1107	0.1049	0.1007
Buses	Urban Buses Standard 15 - 18	HD Euro V - 2008 Standards	7	44000	0.1817	0.1473	0.1298	0.1186	0.1107	0.1049	0.1007
Mopeds	<50 cm³	Conventional	47910	4000	0.1979	0.1979	0.1979	0.1979	0.1979	0.1979	0.1979
Mopeds	<50 cm³	Mop - Euro I	76657	4000	0.0854	0.0854	0.0854	0.0854	0.0854	0.0854	0.0854
Mopeds	<50 cm³	Mop - Euro II	47910	4000	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475
Motorcycles	2-stroke >50 cm³	Conventional	45127	3800	0.2099	0.2099	0.2099	0.2099	0.2099	0.2099	0.2099
Motorcycles	2-stroke >50 cm³	Mot - Euro I	15512	3800	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899	0.0899
Motorcycles	2-stroke >50 cm³	Mot - Euro II	10269	3800	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499	0.0499
Motorcycles	2-stroke >50 cm³	Mot - Euro III	6770	3800	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219
Motorcycles	4-stroke <250 cm³	Conventional	37866	3000	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299
Motorcycles	4-stroke <250 cm³	Mot - Euro I	25514	4000	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299
Motorcycles	4-stroke <250 cm³	Mot - Euro II	22029	4000	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149
Motorcycles	4-stroke <250 cm³	Mot - Euro III	11227	4000	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149
Motorcycles	4-stroke 250 - 750 cm³	Conventional	37866	3000	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299
Motorcycles	4-stroke 250 - 750 cm³	Mot - Euro I	25514	4000	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299
Motorcycles	4-stroke 250 - 750 cm³	Mot - Euro II	22029	4000	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149
Motorcycles	4-stroke 250 - 750 cm³	Mot - Euro III	11227	4000	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149
Motorcycles	4-stroke >750 cm³	Conventional	17102	3000	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299
Motorcycles	4-stroke >750 cm³	Mot - Euro I	13856	2000	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299	0.0299
Motorcycles	4-stroke >750 cm³	Mot - Euro II	12006	2000	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149
Motorcycles	4-stroke >750 cm³	Mot - Euro III	7899	2000	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149

PARCO CIRCOLATE 2007			Emissioni medie g/Km		348.29	292.54	255.69	228.98	210.21	195.62	184.49
			Velocità Km/h		10.0	15.0	20.0	25.0	30.0	35.0	40.0
Sector	Subsector	Technology	Veicoli	VieckM	CO2 10	CO2 15	CO2 20	CO2 25	CO2 30	CO2 35	CO2 40
Passenger Cars	Gasoline <1,4 l	ECE 15/03	123632	4550	443.6	343.6	286.6	249.0	222.0	201.5	185.2
Passenger Cars	Gasoline <1,4 l	PC Euro 1 - 91/441/EEC	92297	7000	312.0	256.8	222.4	199.2	182.9	171.0	162.2
Passenger Cars	Gasoline <1,4 l	PC Euro 2 - 94/12/EEC	333014	7000	341.9	276.2	234.3	205.7	185.4	170.5	159.4
Passenger Cars	Gasoline <1,4 l	PC Euro 3 - 98/69/EC Stage2000	220342	8400	316.3	263.8	229.5	205.7	188.6	175.8	166.3
Passenger Cars	Gasoline <1,4 l	PC Euro 4 - 98/69/EC Stage2005	274259	8400	326.5	279.3	243.8	217.0	196.7	181.6	170.4
Passenger Cars	Gasoline 1,4 - 2,0 l	ECE 15/03	52027	8400	582.6	435.1	353.7	301.2	264.1	236.4	214.7
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 1 - 91/441/EEC	56780	10570	377.9	316.0	275.0	246.2	225.1	209.2	197.0
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 2 - 94/12/EEC	158625	10570	413.0	327.5	277.3	244.5	221.8	205.4	193.2
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 3 - 98/69/EC Stage2000	70099	11200	392.2	324.6	280.5	250.0	227.8	211.4	199.1
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 4 - 98/69/EC Stage2005	87148	11200	368.5	314.7	277.9	251.5	232.0	217.3	206.1
Passenger Cars	Gasoline >2,0 l	ECE 15/03	9708	9450	746.7	549.6	442.1	373.5	325.4	289.6	261.8
Passenger Cars	Gasoline >2,0 l	PC Euro 1 - 91/441/EEC	3426	12040	476.5	404.6	355.0	319.1	292.1	271.4	255.2
Passenger Cars	Gasoline >2,0 l	PC Euro 2 - 94/12/EEC	9834	12040	620.1	466.3	385.2	335.6	302.5	279.3	262.3
Passenger Cars	Gasoline >2,0 l	PC Euro 3 - 98/69/EC Stage2000	10545	14000	476.5	397.8	345.4	308.2	280.8	259.9	243.7
Passenger Cars	Gasoline >2,0 l	PC Euro 4 - 98/69/EC Stage2005	18735	14000	566.5	477.3	415.8	371.2	337.6	311.6	291.1
Passenger Cars	Diesel <2,0 l	Conventional	16187	6000	333.7	304.5	277.7	253.2	231.0	211.3	193.8
Passenger Cars	Diesel <2,0 l	PC Euro 1 - 91/441/EEC	8093	12300	295.1	250.3	219.7	197.9	181.9	170.0	161.1
Passenger Cars	Diesel <2,0 l	PC Euro 2 - 94/12/EEC	72658	12300	311.8	267.1	235.0	211.4	193.6	180.2	170.0
Passenger Cars	Diesel <2,0 l	PC Euro 3 - 98/69/EC Stage2000	240079	13200	285.7	242.1	214.5	195.7	182.3	172.3	164.8
Passenger Cars	Diesel <2,0 l	PC Euro 4 - 98/69/EC Stage2005	214756	13200	285.7	242.1	214.5	195.7	182.3	172.3	164.8
Passenger Cars	Diesel >2,0 l	Conventional	10532	6000	333.7	304.5	277.7	253.2	231.0	211.3	193.8
Passenger Cars	Diesel >2,0 l	PC Euro 1 - 91/441/EEC	4651	13200	395.3	336.2	296.2	267.8	247.0	231.5	220.0
Passenger Cars	Diesel >2,0 l	PC Euro 2 - 94/12/EEC	24596	13200	395.3	336.2	296.2	267.8	247.0	231.5	220.0
Passenger Cars	Diesel >2,0 l	PC Euro 3 - 98/69/EC Stage2000	65281	14400	395.3	336.2	296.2	267.8	247.0	231.5	220.0
Passenger Cars	Diesel >2,0 l	PC Euro 4 - 98/69/EC Stage2005	45838	14400	395.3	336.2	296.2	267.8	247.0	231.5	220.0
Passenger Cars	LPG	Conventional	6764	6000	196.6	196.6	196.6	196.6	196.6	196.6	196.6
Passenger Cars	LPG	PC Euro 1 - 91/441/EEC	3234	12300	220.3	207.9	196.6	186.6	177.8	170.2	163.8
Passenger Cars	LPG	PC Euro 2 - 94/12/EEC	6402	14400	220.3	207.9	196.6	186.6	177.8	170.2	163.8
Passenger Cars	LPG	PC Euro 3 - 98/69/EC Stage2000	4000	14400	220.3	207.9	196.6	186.6	177.8	170.2	163.8
Passenger Cars	LPG	PC Euro 4 - 98/69/EC Stage2005	8118	14400	220.3	207.9	196.6	186.6	177.8	170.2	163.8
Light Duty Vehicles	Gasoline <3,5t	Conventional	3 976	3750	475.4	436.6	400.7	367.7	337.6	310.4	286.2
Light Duty Vehicles	Gasoline <3,5t	LD Euro 1 - 93/59/EEC	2 798	3750	547.3	502.8	461.6	423.7	389.2	358.0	330.1
Light Duty Vehicles	Gasoline <3,5t	LD Euro 2 - 96/69/EEC	5 197	7750	547.3	502.8	461.6	423.7	389.2	358.0	330.1
Light Duty Vehicles	Gasoline <3,5t	LD Euro 3 - 98/69/EC Stage2000	4 141	7750	547.3	502.8	461.6	423.7	389.2	358.0	330.1
Light Duty Vehicles	Gasoline <3,5t	LD Euro 4 - 98/69/EC Stage2005	1 967	7750	547.3	502.8	461.6	423.7	389.2	358.0	330.1
Light Duty Vehicles	Diesel <3,5 t	Conventional	23 733	6000	419.6	383.8	351.6	323.0	297.9	276.4	258.5
Light Duty Vehicles	Diesel <3,5 t	LD Euro 1 - 93/59/EEC	18 848	6000	385.3	351.4	320.8	293.6	269.8	249.2	232.0
Light Duty Vehicles	Diesel <3,5 t	LD Euro 2 - 96/69/EEC	46 437	12375	385.3	351.4	320.8	293.6	269.8	249.2	232.0
Light Duty Vehicles	Diesel <3,5 t	LD Euro 3 - 98/69/EC Stage2000	75 408	12375	385.3	351.4	320.8	293.6	269.8	249.2	232.0
Light Duty Vehicles	Diesel <3,5 t	LD Euro 4 - 98/69/EC Stage2005	21 611	12375	385.3	351.4	320.8	293.6	269.8	249.2	232.0
Light Duty Vehicles	Diesel <3,5 t	LD Euro 5 - 2008 Standards	491	13000	385.3	351.4	320.8	293.6	269.8	249.2	232.0
Heavy Duty Trucks	Gasoline >3,5 t	Conventional	198	750	710.0	710.0	710.0	710.0	710.0	710.0	710.0
Heavy Duty Trucks	Rigid <=7,5 t	Conventional	4 092	6600	717.3	595.5	517.1	463.3	425.1	397.5	377.5
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro I - 91/542/EEC Stage I	716	6600	533.0	446.9	395.5	361.3	337.3	320.3	308.6
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro II - 91/542/EEC Stage II	1 435	13200	502.1	428.5	377.4	342.1	318.1	302.2	292.2
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro III - 2000 Standards	1 662	13200	522.9	441.9	393.5	361.2	338.6	322.7	311.8
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro IV - 2005 Standards	185	13200	523.5	440.4	383.8	345.4	319.6	302.6	291.8
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro V - 2008 Standards	39	14000	523.5	440.4	383.8	345.4	319.6	302.6	291.8
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro VI	5	14000	523.5	440.4	383.8	345.4	319.6	302.6	291.8
Heavy Duty Trucks	Rigid 7,5 - 12 t	Conventional	3 897	5100	1160.8	935.2	795.1	700.9	634.3	585.9	550.2
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro I - 91/542/EEC Stage I	915	5100	937.9	769.9	663.1	590.3	538.6	501.1	473.6
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro II - 91/542/EEC Stage II	1 804	10200	860.7	716.6	623.0	558.4	512.1	478.4	453.6
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro III - 2000 Standards	1 466	10200	930.6	768.8	664.8	593.5	542.7	505.6	478.4
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro IV - 2005 Standards	161	10200	889.7	731.0	629.8	560.8	511.8	476.0	449.9
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro V - 2008 Standards	10	11000	889.7	731.0	629.8	560.8	511.8	476.0	449.9
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro VI	3	11000	889.7	731.0	629.8	560.8	511.8	476.0	449.9
Heavy Duty Trucks	Rigid 12 - 14 t	Conventional	754	5100	1308.0	1042.3	879.7	771.3	695.1	639.7	598.8
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro I - 91/542/EEC Stage I	72	5100	1059.8	862.6	738.2	653.9	593.9	550.2	517.9
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro II - 91/542/EEC Stage II	85	10200	977.6	807.2	697.2	621.5	567.2	527.2	497.6
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro III - 2000 Standards	124	10200	1053.2	861.7	739.9	656.7	597.3	553.8	521.5
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro IV - 2005 Standards	24	10200	1000.3	815.5	698.5	618.8	562.1	520.5	489.7
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro V - 2008 Standards	1	11000	1000.3	815.5	698.5	618.8	562.1	520.5	489.7
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro VI	3	11000	1000.3	815.5	698.5	618.8	562.1	520.5	489.7
Heavy Duty Trucks	Rigid 14 - 20 t	Conventional	1 704	1450	1758.8	1426.0	1197.6	1033.5	915.4	830.5	769.4
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro I - 91/542/EEC Stage I	419	1450	1403.1	1119.2	944.3	827.0	744.0	683.2	637.8
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 136	2900	1266.7	1023.2	879.7	782.9	712.5	659.1	617.5
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro III - 2000 Standards	1 396	2900	1369.3	1094.7	934.5	827.3	749.9	691.5	646.3
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro IV - 2005 Standards	163	2900	1331.6	1061.4	894.8	783.0	703.8	645.7	602.2
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro V - 2008 Standards	22	3000	1331.6	1061.4	894.8	783.0	703.8	645.7	602.2
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro VI	7	3000	1331.6	1061.4	894.8	783.0	703.8	645.7	602.2
Heavy Duty Trucks	Rigid 20 - 26 t	Conventional	2 423	1450	2027.9	1663.9	1429.1	1253.3	1119.7	1018.1	940.8
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro I - 91/542/EEC Stage I	710	1450	1624.8	1377.5	1197.8	1060.1	954.4	873.4	811.3
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro II - 91/542/EEC Stage II	2 001	2900	1591.5	1318.4	1137.1	1008.9	914.3	842.4	786.6
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro III - 2000 Standards	1 887	2900	1621.8	1367.5	1193.8	1060.5	957.3	877.2	815.2
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro IV - 2005 Standards	225	2900	1521.3	1282.2	1118.2	992.2	894.7	819.3	761.0
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro V - 2008 Standards	8	3000	1521.3	1282.2	1118.2	992.2	894.7	819.3	761.0
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro VI	3	3000	1521.3	1282.2	1118.2	992.2	894.7	819.3	761.0
Heavy Duty Trucks	Rigid 26 - 28 t	Conventional	15	1450	2050.9	1708.8	1485.0	1314.2	1182.1		

Sector	Subsector	Technology	Veicoli	ViecKM	CO <sub>2</sub> 10	CO <sub>2</sub> 15	CO <sub>2</sub> 20	CO <sub>2</sub> 25	CO <sub>2</sub> 30	CO <sub>2</sub> 35	CO <sub>2</sub> 40
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro II - 91/542/EEC Stage II	478	2900	1700.1	1472.1	1308.3	1185.6	1091.2	1016.8	957.4
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro III - 2000 Standards	1 135	2900	1792.9	1543.1	1365.1	1232.8	1131.4	1051.8	988.3
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro IV - 2005 Standards	155	2900	1623.8	1429.7	1278.4	1157.6	1061.1	984.0	922.4
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro V - 2008 Standards	1	3000	1623.8	1429.7	1278.4	1157.6	1061.1	984.0	922.4
Heavy Duty Trucks	Rigid >32 t	Conventional	101	1525	2224.9	1890.2	1658.2	1476.6	1333.5	1220.7	1131.8
Heavy Duty Trucks	Rigid >32 t	HD Euro I - 91/542/EEC Stage I	12	1525	1872.8	1619.7	1430.6	1280.9	1162.2	1068.1	993.6
Heavy Duty Trucks	Rigid >32 t	HD Euro II - 91/542/EEC Stage II	23	3050	1751.3	1533.8	1366.1	1231.8	1124.1	1037.9	968.7
Heavy Duty Trucks	Rigid >32 t	HD Euro III - 2000 Standards	17	3050	1856.8	1603.4	1422.1	1277.8	1162.3	1069.9	995.8
Heavy Duty Trucks	Rigid >32 t	HD Euro IV - 2005 Standards	5	3050	1736.0	1497.6	1327.2	1191.6	1083.1	996.4	927.0
Heavy Duty Trucks	Articulated 14 - 20 t	Conventional	416	1450	1643.4	1346.5	1146.2	997.9	887.4	805.2	743.9
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro I - 91/542/EEC Stage I	391	1450	1286.3	1079.5	932.4	821.9	738.8	676.3	629.3
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 602	2900	1248.0	1026.0	881.1	780.0	706.2	650.7	608.1
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro III - 2000 Standards	1 993	2900	1341.4	1093.1	933.2	822.5	742.2	681.9	635.8
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro IV - 2005 Standards	478	2900	1210.8	1011.5	877.0	775.6	698.5	639.8	595.1
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro V - 2008 Standards	47	3000	1210.8	1011.5	877.0	775.6	698.5	639.8	595.1
Heavy Duty Trucks	Articulated 20 - 28 t	Conventional	54	1450	1910.5	1601.6	1397.6	1240.7	1117.9	1021.8	946.5
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro I - 91/542/EEC Stage I	10	1450	1626.3	1392.1	1224.2	1092.5	988.7	906.9	842.4
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro II - 91/542/EEC Stage II	22	2900	1454.4	1275.5	1136.1	1024.3	934.6	862.8	805.1
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro III - 2000 Standards	35	2900	1552.8	1345.4	1192.1	1070.1	972.8	895.1	833.2
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro IV - 2005 Standards	9	2900	1458.7	1259.4	1115.5	1001.1	909.8	836.9	778.7
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro II - 91/542/EEC Stage II	6	2900	1514.4	1341.8	1204.0	1091.4	999.4	924.2	862.7
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro III - 2000 Standards	4	2900	1606.8	1409.5	1258.7	1136.4	1036.9	956.0	890.2
Heavy Duty Trucks	Articulated 34 - 40 t	Conventional	11	1450	2232.1	1919.1	1697.0	1518.5	1374.0	1257.0	1162.4
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro I - 91/542/EEC Stage I	4	1450	1890.3	1653.8	1472.0	1323.8	1203.1	1104.6	1024.3
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro II - 91/542/EEC Stage II	10	2900	1770.5	1568.3	1407.6	1275.0	1165.5	1075.1	1000.5
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro III - 2000 Standards	25	2900	1869.0	1633.7	1461.1	1319.6	1203.0	1106.9	1027.7
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro IV - 2005 Standards	5	2900	1745.3	1524.0	1362.0	1229.1	1119.8	1029.7	955.5
Heavy Duty Trucks	Articulated 40 - 50 t	Conventional	2	1525	2396.7	2085.8	1858.1	1672.6	1520.8	1396.5	1294.7
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro I - 91/542/EEC Stage I	2	1525	2035.5	1800.7	1614.4	1460.7	1333.8	1228.9	1142.4
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro II - 91/542/EEC Stage II	3	3050	1927.3	1724.0	1558.0	1418.9	1302.5	1205.1	1123.5
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro III - 2000 Standards	4	3050	2023.6	1793.5	1613.6	1463.9	1339.1	1235.1	1148.5
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro IV - 2005 Standards	3	3050	1884.1	1667.1	1500.4	1361.5	1245.5	1148.6	1067.8
Heavy Duty Trucks	Articulated 50 - 60 t	HD Euro III - 2000 Standards	4	3050	2363.4	2120.6	1921.3	1752.3	1609.1	1487.7	1384.7
Buses	Urban Buses Standard 15 - 18	Conventional	1289	44000	1987.4	1608.3	1341.9	1152.1	1017.0	920.6	852.0
Buses	Urban Buses Standard 15 - 18	HD Euro I - 91/542/EEC Stage I	173	44000	1640.0	1340.5	1127.0	974.8	866.1	788.6	733.3
Buses	Urban Buses Standard 15 - 18	HD Euro II - 91/542/EEC Stage II	1341	44000	1587.8	1291.2	1083.6	938.2	836.4	765.1	715.1
Buses	Urban Buses Standard 15 - 18	HD Euro III - 2000 Standards	1282	44000	1616.7	1334.1	1130.8	984.6	879.5	803.8	749.5
Buses	Urban Buses Standard 15 - 18	HD Euro IV - 2005 Standards	1	44000	1555.4	1274.3	1073.9	931.0	829.1	756.4	704.5
Buses	Urban Buses Standard 15 - 18	HD Euro V - 2008 Standards	7	44000	1555.4	1274.3	1073.9	931.0	829.1	756.4	704.5
Mopeds	<50 cm <sup>3</sup>	Conventional	47910	4000	78.9	78.9	78.9	78.9	78.9	78.9	78.9
Mopeds	<50 cm <sup>3</sup>	Mop - Euro I	76657	4000	47.3	47.3	47.3	47.3	47.3	47.3	47.3
Mopeds	<50 cm <sup>3</sup>	Mop - Euro II	47910	4000	38.1	38.1	38.1	38.1	38.1	38.1	38.1
Motorcycles	2-stroke >50 cm <sup>3</sup>	Conventional	45127	3800	123.1	116.1	110.0	97.9	100.9	97.9	95.8
Motorcycles	2-stroke >50 cm <sup>3</sup>	Mot - Euro I	15512	3800	62.2	64.9	67.5	74.1	72.1	74.1	76.0
Motorcycles	2-stroke >50 cm <sup>3</sup>	Mot - Euro II	10269	3800	56.6	59.1	61.4	67.4	65.6	67.4	69.1
Motorcycles	2-stroke >50 cm <sup>3</sup>	Mot - Euro III	6770	3800	43.5	45.4	47.2	51.9	50.4	51.9	53.2
Motorcycles	4-stroke <250 cm <sup>3</sup>	Conventional	37866	3000	161.1	139.0	119.9	80.4	90.5	80.4	73.1
Motorcycles	4-stroke <250 cm <sup>3</sup>	Mot - Euro I	25514	4000	93.9	86.6	80.5	70.4	72.4	70.4	69.6
Motorcycles	4-stroke <250 cm <sup>3</sup>	Mot - Euro II	22029	4000	93.9	86.6	80.5	70.4	72.4	70.4	69.6
Motorcycles	4-stroke <250 cm <sup>3</sup>	Mot - Euro III	11227	4000	93.9	86.6	80.5	70.4	72.4	70.4	69.6
Motorcycles	4-stroke 250 - 750 cm <sup>3</sup>	Conventional	37866	3000	230.8	196.6	166.7	103.0	119.9	103.0	90.3
Motorcycles	4-stroke 250 - 750 cm <sup>3</sup>	Mot - Euro I	25514	4000	126.8	118.4	110.9	94.8	99.1	94.8	91.4
Motorcycles	4-stroke 250 - 750 cm <sup>3</sup>	Mot - Euro II	22029	4000	126.8	118.4	110.9	94.8	99.1	94.8	91.4
Motorcycles	4-stroke 250 - 750 cm <sup>3</sup>	Mot - Euro III	11227	4000	126.8	118.4	110.9	94.8	99.1	94.8	91.4
Motorcycles	4-stroke >750 cm <sup>3</sup>	Conventional	17102	3000	276.7	239.0	205.8	133.4	153.0	133.4	118.3
Motorcycles	4-stroke >750 cm <sup>3</sup>	Mot - Euro I	13856	2000	209.9	195.7	182.7	150.4	160.0	150.4	141.9
Motorcycles	4-stroke >750 cm <sup>3</sup>	Mot - Euro II	12006	2000	209.9	195.7	182.7	150.4	160.0	150.4	141.9
Motorcycles	4-stroke >750 cm <sup>3</sup>	Mot - Euro III	7899	2000	209.9	195.7	182.7	150.4	160.0	150.4	141.9

PARCO CIRCOLATE 2007			Emissioni medie g/Km		0.18848	0.16526	0.14862	0.13425	0.12551	0.11716	0.11046
			Velocità Km/h		10.0	15.0	20.0	25.0	30.0	35.0	40.0
Sector	Subsector	Technology	Veicoli	VieckM	NO2 10	NO2 15	NO2 20	NO2 25	NO2 30	NO2 35	NO2 40
Passenger Cars	Gasoline <1,4 l	ECE 15/03	123632	4550	0.0635	0.0631	0.0632	0.0637	0.0648	0.0664	0.0685
Passenger Cars	Gasoline <1,4 l	PC Euro 1 - 91/441/EEC	92297	7000	0.0334	0.0315	0.0296	0.0170	0.0267	0.0255	0.0246
Passenger Cars	Gasoline <1,4 l	PC Euro 2 - 94/12/EEC	333014	7000	0.0199	0.0193	0.0183	0.0106	0.0163	0.0153	0.0147
Passenger Cars	Gasoline <1,4 l	PC Euro 3 - 98/69/EC Stage2000	220342	8400	0.0039	0.0040	0.0041	0.0034	0.0043	0.0043	0.0043
Passenger Cars	Gasoline <1,4 l	PC Euro 4 - 98/69/EC Stage2005	274259	8400	0.0019	0.0018	0.0018	0.0026	0.0019	0.0018	0.0018
Passenger Cars	Gasoline 1,4 - 2,0 l	ECE 15/03	52027	8400	0.0581	0.0611	0.0642	0.0674	0.0708	0.0744	0.0782
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 1 - 91/441/EEC	56780	10570	0.0334	0.0315	0.0296	0.0170	0.0266	0.0254	0.0244
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 2 - 94/12/EEC	158625	10570	0.0200	0.0193	0.0183	0.0106	0.0162	0.0152	0.0146
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 3 - 98/69/EC Stage2000	70099	11200	0.0039	0.0040	0.0041	0.0034	0.0043	0.0043	0.0042
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 4 - 98/69/EC Stage2005	87148	11200	0.0019	0.0018	0.0018	0.0026	0.0019	0.0018	0.0018
Passenger Cars	Gasoline >2,0 l	ECE 15/03	9708	9450	0.1102	0.1094	0.1092	0.1097	0.1107	0.1123	0.1145
Passenger Cars	Gasoline >2,0 l	PC Euro 1 - 91/441/EEC	3426	12040	0.0331	0.0309	0.0289	0.0161	0.0255	0.0241	0.0230
Passenger Cars	Gasoline >2,0 l	PC Euro 2 - 94/12/EEC	9834	12040	0.0197	0.0189	0.0177	0.0100	0.0153	0.0143	0.0136
Passenger Cars	Gasoline >2,0 l	PC Euro 3 - 98/69/EC Stage2000	10545	14000	0.0038	0.0039	0.0039	0.0032	0.0040	0.0039	0.0039
Passenger Cars	Gasoline >2,0 l	PC Euro 4 - 98/69/EC Stage2005	18735	14000	0.0018	0.0018	0.0017	0.0025	0.0017	0.0017	0.0016
Passenger Cars	Diesel <2,0 l	Conventional	16187	6000	0.0904	0.0838	0.0778	0.0724	0.0675	0.0633	0.0596
Passenger Cars	Diesel <2,0 l	PC Euro 1 - 91/441/EEC	8093	12300	0.1493	0.1182	0.0994	0.0872	0.0789	0.0731	0.0691
Passenger Cars	Diesel <2,0 l	PC Euro 2 - 94/12/EEC	72658	12300	0.1532	0.1266	0.1088	0.0961	0.0868	0.0798	0.0746
Passenger Cars	Diesel <2,0 l	PC Euro 3 - 98/69/EC Stage2000	240079	13200	0.3156	0.2652	0.2355	0.2162	0.2029	0.1934	0.1865
Passenger Cars	Diesel <2,0 l	PC Euro 4 - 98/69/EC Stage2005	214756	13200	0.5281	0.4809	0.4380	0.3994	0.3650	0.3349	0.3090
Passenger Cars	Diesel >2,0 l	Conventional	10532	6000	0.1335	0.1251	0.1174	0.1105	0.1044	0.0990	0.0944
Passenger Cars	Diesel >2,0 l	PC Euro 1 - 91/441/EEC	4651	13200	0.1493	0.1182	0.0994	0.0872	0.0789	0.0731	0.0691
Passenger Cars	Diesel >2,0 l	PC Euro 2 - 94/12/EEC	24596	13200	0.1532	0.1266	0.1088	0.0961	0.0868	0.0798	0.0746
Passenger Cars	Diesel >2,0 l	PC Euro 3 - 98/69/EC Stage2000	65281	14400	0.3156	0.2652	0.2355	0.2162	0.2029	0.1934	0.1865
Passenger Cars	Diesel >2,0 l	PC Euro 4 - 98/69/EC Stage2005	45838	14400	0.5281	0.4809	0.4380	0.3994	0.3650	0.3349	0.3090
Passenger Cars	LPG	Conventional	6764	6000	0.0724	0.0813	0.0882	0.0940	0.0990	0.1034	0.1075
Passenger Cars	LPG	PC Euro 1 - 91/441/EEC	3234	12300	0.0254	0.0254	0.0253	0.0252	0.0260	0.0259	0.0259
Passenger Cars	LPG	PC Euro 2 - 94/12/EEC	6402	14400	0.0099	0.0103	0.0107	0.0111	0.0120	0.0123	0.0125
Passenger Cars	LPG	PC Euro 3 - 98/69/EC Stage2000	4000	14400	0.0063	0.0064	0.0064	0.0065	0.0068	0.0069	0.0069
Passenger Cars	LPG	PC Euro 4 - 98/69/EC Stage2005	8118	14400	0.0034	0.0035	0.0035	0.0036	0.0037	0.0038	0.0038
Light Duty Vehicles	Gasoline <3,5t	Conventional	3 976	3750	0.0870	0.0907	0.0943	0.0980	0.1017	0.1053	0.1090
Light Duty Vehicles	Gasoline <3,5t	LD Euro 1 - 93/59/EEC	2 798	3750	0.0081	0.0087	0.0092	0.0236	0.0113	0.0120	0.0127
Light Duty Vehicles	Gasoline <3,5t	LD Euro 2 - 96/69/EEC	5 197	7750	0.0033	0.0039	0.0044	0.0096	0.0059	0.0064	0.0069
Light Duty Vehicles	Gasoline <3,5t	LD Euro 3 - 98/69/EC Stage2000	4 141	7750	0.0014	0.0016	0.0017	0.0041	0.0022	0.0024	0.0026
Light Duty Vehicles	Gasoline <3,5t	LD Euro 4 - 98/69/EC Stage2005	1 967	7750	0.0007	0.0008	0.0009	0.0020	0.0012	0.0013	0.0014
Light Duty Vehicles	Diesel <3,5 t	Conventional	23 733	6000	0.4604	0.4039	0.3522	0.3051	0.2626	0.2249	0.1918
Light Duty Vehicles	Diesel <3,5 t	LD Euro 1 - 93/59/EEC	18 848	6000	0.1984	0.1836	0.1702	0.1582	0.1476	0.1383	0.1305
Light Duty Vehicles	Diesel <3,5 t	LD Euro 2 - 96/69/EEC	46 437	12375	0.1984	0.1836	0.1702	0.1582	0.1476	0.1383	0.1305
Light Duty Vehicles	Diesel <3,5 t	LD Euro 3 - 98/69/EC Stage2000	75 408	12375	0.3788	0.3506	0.3250	0.3021	0.2817	0.2641	0.2490
Light Duty Vehicles	Diesel <3,5 t	LD Euro 4 - 98/69/EC Stage2005	21 611	12375	0.6746	0.6244	0.5788	0.5379	0.5018	0.4703	0.4435
Light Duty Vehicles	Diesel <3,5 t	LD Euro 5 - 2008 Standards	491	13000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Heavy Duty Trucks	Gasoline >3,5 t	Conventional	198	750	0.1800	0.1800	0.1800	0.1800	0.1800	0.1800	0.1800
Heavy Duty Trucks	Rigid <=7,5 t	Conventional	4 092	6600	0.7605	0.6673	0.5976	0.5466	0.5106	0.4867	0.4723
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro I - 91/542/EEC Stage I	716	6600	0.5736	0.4824	0.4204	0.3797	0.3541	0.3394	0.3325
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro II - 91/542/EEC Stage II	1 435	13200	0.6245	0.5230	0.4543	0.4087	0.3795	0.3619	0.3526
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro III - 2000 Standards	1 662	13200	0.7582	0.5701	0.4740	0.4176	0.3825	0.3602	0.3463
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro IV - 2005 Standards	185	13200	0.3963	0.3106	0.2676	0.2429	0.2278	0.2185	0.2131
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro V - 2008 Standards	39	14000	0.1613	0.1265	0.1090	0.0989	0.0927	0.0890	0.0868
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro VI	5	14000	0.0311	0.0244	0.0210	0.0191	0.0179	0.0172	0.0167
Heavy Duty Trucks	Rigid 7,5 - 12 t	Conventional	3 897	5100	1.5583	1.3413	1.1817	1.0656	0.9827	0.9250	0.8864
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro I - 91/542/EEC Stage I	915	5100	0.9812	0.8196	0.7085	0.6328	0.5820	0.5487	0.5277
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro II - 91/542/EEC Stage II	1 804	10200	1.0645	0.8821	0.7581	0.6744	0.6183	0.5813	0.5574
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro III - 2000 Standards	1 466	10200	1.2280	0.9321	0.7824	0.6895	0.6279	0.5865	0.5584
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro IV - 2005 Standards	161	10200	0.6619	0.5235	0.4504	0.4058	0.3764	0.3562	0.3421
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro V - 2008 Standards	10	11000	0.2695	0.2131	0.1834	0.1652	0.1532	0.1450	0.1393
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro VI	3	11000	0.0520	0.0411	0.0354	0.0319	0.0296	0.0280	0.0269
Heavy Duty Trucks	Rigid 12 - 14 t	Conventional	754	5100	1.8015	1.5405	1.3492	1.2100	1.1096	1.0382	0.9883
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro I - 91/542/EEC Stage I	72	5100	1.1289	0.9434	0.8144	0.7251	0.6634	0.6213	0.5927
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro II - 91/542/EEC Stage II	85	10200	1.1990	1.0037	0.8680	0.7732	0.7071	0.6609	0.6287
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro III - 2000 Standards	124	10200	1.3966	1.0785	0.9197	0.8166	0.7425	0.6878	0.6470
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro IV - 2005 Standards	24	10200	0.7447	0.6148	0.5361	0.4802	0.4399	0.4107	0.3897
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro V - 2008 Standards	1	11000	0.3032	0.2503	0.2183	0.1955	0.1791	0.1672	0.1587
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro VI	3	11000	0.0585	0.0483	0.0421	0.0377	0.0346	0.0323	0.0306
Heavy Duty Trucks	Rigid 14 - 20 t	Conventional	1 704	1450	2.3691	1.9997	1.7441	1.5580	1.4220	1.3225	1.2498
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro I - 91/542/EEC Stage I	419	1450	1.4652	1.2167	1.0533	0.9359	0.8508	0.7890	0.7441
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 136	2900	1.5991	1.3155	1.1387	1.0119	0.9187	0.8497	0.7986
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro III - 2000 Standards	1 396	2900	1.9586	1.4794	1.2257	1.0681	0.9611	0.8841	0.8266
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro IV - 2005 Standards	163	2900	1.0019	0.8056	0.6984	0.6225	0.5657	0.5228	0.4904
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro V - 2008 Standards	22	3000	0.4079	0.3280	0.2844	0.2535	0.2303	0.2129	0.1996
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro VI	7	3000	0.0787	0.0633	0.0549	0.0489	0.0444	0.0411	0.0385
Heavy Duty Trucks	Rigid										

Sector	Subsector	Technology	Veicoli	VieckM	NO2 10	NO2 15	NO2 20	NO2 25	NO2 30	NO2 35	NO2 40
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro II - 91/542/EEC Stage II	478	2900	2.2266	1.8950	1.6601	1.4920	1.3697	1.2790	1.2100
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro III - 2000 Standards	1 135	2900	2.6182	2.0500	1.7359	1.5343	1.3935	1.2896	1.2098
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro IV - 2005 Standards	155	2900	1.4270	1.1707	1.0214	0.9217	0.8496	0.7948	0.7515
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro V - 2008 Standards	1	3000	0.5810	0.4766	0.4159	0.3753	0.3459	0.3236	0.3060
Heavy Duty Trucks	Rigid >32 t	Conventional	101	1525	2.7856	2.4802	2.2478	2.0578	1.9021	1.7745	1.6699
Heavy Duty Trucks	Rigid >32 t	HD Euro I - 91/542/EEC Stage I	12	1525	2.0431	1.7837	1.6068	1.4651	1.3502	1.2569	1.1811
Heavy Duty Trucks	Rigid >32 t	HD Euro II - 91/542/EEC Stage II	23	3050	2.3143	1.9463	1.7104	1.5427	1.4162	1.3175	1.2385
Heavy Duty Trucks	Rigid >32 t	HD Euro III - 2000 Standards	17	3050	2.6728	2.1092	1.7933	1.5882	1.4433	1.3353	1.2516
Heavy Duty Trucks	Rigid >32 t	HD Euro IV - 2005 Standards	5	3050	1.3927	1.1799	1.0553	0.9590	0.8817	0.8191	0.7685
Heavy Duty Trucks	Articulated 14 - 20 t	Conventional	416	1450	2.2496	1.9406	1.7096	1.5339	1.4003	1.2986	1.2213
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro I - 91/542/EEC Stage I	391	1450	1.3896	1.1717	1.0283	0.9213	0.8398	0.7778	0.7305
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 602	2900	1.5224	1.2646	1.1046	0.9877	0.8986	0.8300	0.7772
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro III - 2000 Standards	1 993	2900	1.8091	1.3833	1.1742	1.0372	0.9358	0.8576	0.7967
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro IV - 2005 Standards	478	2900	0.9524	0.7767	0.6801	0.6095	0.5551	0.5126	0.4794
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro V - 2008 Standards	47	3000	0.3877	0.3162	0.2769	0.2482	0.2260	0.2087	0.1952
Heavy Duty Trucks	Articulated 20 - 28 t	Conventional	54	1450	2.3674	2.0935	1.8912	1.7265	1.5917	1.4814	1.3912
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro I - 91/542/EEC Stage I	10	1450	1.8791	1.5885	1.3834	1.2367	1.1299	1.0503	0.9894
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro II - 91/542/EEC Stage II	22	2900	1.9733	1.6614	1.4418	1.2851	1.1711	1.0863	1.0213
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro III - 2000 Standards	35	2900	2.2322	1.7585	1.5011	1.3331	1.2123	1.1200	1.0465
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro IV - 2005 Standards	9	2900	1.1666	0.9906	0.8864	0.8044	0.7375	0.6827	0.6378
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro II - 91/542/EEC Stage II	6	2900	2.0281	1.7283	1.5125	1.3550	1.2380	1.1490	1.0794
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro III - 2000 Standards	4	2900	2.2929	1.8335	1.5761	1.4040	1.2781	1.1808	1.1026
Heavy Duty Trucks	Articulated 34 - 40 t	Conventional	11	1450	2.9427	2.5815	2.3213	2.1228	1.9652	1.8363	1.7283
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro I - 91/542/EEC Stage I	4	1450	2.1573	1.8514	1.6478	1.4991	1.3840	1.2913	1.2146
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro II - 91/542/EEC Stage II	10	2900	2.3402	1.9817	1.7473	1.5791	1.4507	1.3488	1.2653
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro III - 2000 Standards	25	2900	2.6638	2.1242	1.8224	1.6228	1.4782	1.3671	1.2783
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro IV - 2005 Standards	5	2900	1.3971	1.2018	1.0831	0.9876	0.9082	0.8420	0.7868
Heavy Duty Trucks	Articulated 40 - 50 t	Conventional	2	1525	3.1793	2.8352	2.5741	2.3679	2.1999	2.0600	1.9412
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro I - 91/542/EEC Stage I	2	1525	2.3290	2.0308	1.8229	1.6663	1.5425	1.4413	1.3566
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro II - 91/542/EEC Stage II	3	3050	2.5193	2.1629	1.9228	1.7460	1.6085	1.4976	1.4057
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro III - 2000 Standards	4	3050	2.8874	2.3294	2.0085	1.7933	1.6361	1.5147	1.4172
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro IV - 2005 Standards	3	3050	1.5187	1.3284	1.2043	1.1019	1.0158	0.9432	0.8821
Heavy Duty Trucks	Articulated 50 - 60 t	HD Euro III - 2000 Standards	4	3050	3.3973	2.7808	2.4107	2.1566	1.9681	1.8209	1.7018
Buses	Urban Buses Standard 15 - 18	Conventional	1289	44000	3.0062	2.4618	2.0818	1.8166	1.6314	1.5022	1.4120
Buses	Urban Buses Standard 15 - 18	HD Euro I - 91/542/EEC Stage I	173	44000	1.9429	1.5426	1.2809	1.1084	0.9933	0.9150	0.8604
Buses	Urban Buses Standard 15 - 18	HD Euro II - 91/542/EEC Stage II	1341	44000	2.0569	1.6284	1.3626	1.1848	1.0610	0.9727	0.9086
Buses	Urban Buses Standard 15 - 18	HD Euro III - 2000 Standards	1282	44000	2.8024	1.9920	1.5684	1.3129	1.1445	1.0265	0.9401
Buses	Urban Buses Standard 15 - 18	HD Euro IV - 2005 Standards	1	44000	1.5193	1.1270	0.8972	0.7592	0.6731	0.6162	0.5758
Buses	Urban Buses Standard 15 - 18	HD Euro V - 2008 Standards	7	44000	0.6186	0.4588	0.3653	0.3091	0.2740	0.2509	0.2344
Mopeds	<50 cm³	Conventional	47910	4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mopeds	<50 cm³	Mop - Euro I	76657	4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mopeds	<50 cm³	Mop - Euro II	47910	4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	2-stroke >50 cm³	Conventional	45127	3800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	2-stroke >50 cm³	Mot - Euro I	15512	3800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	2-stroke >50 cm³	Mot - Euro II	10269	3800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	2-stroke >50 cm³	Mot - Euro III	6770	3800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke <250 cm³	Conventional	37866	3000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke <250 cm³	Mot - Euro I	25514	4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke <250 cm³	Mot - Euro II	22029	4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke <250 cm³	Mot - Euro III	11227	4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke 250 - 750 cm³	Conventional	37866	3000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke 250 - 750 cm³	Mot - Euro I	25514	4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke 250 - 750 cm³	Mot - Euro II	22029	4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke 250 - 750 cm³	Mot - Euro III	11227	4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke >750 cm³	Conventional	17102	3000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke >750 cm³	Mot - Euro I	13856	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke >750 cm³	Mot - Euro II	12006	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Motorcycles	4-stroke >750 cm³	Mot - Euro III	7899	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

PARCO CIRCOLATE 2007			Emissioni medie g/Km		0.972	0.857	0.777	0.717	0.674	0.639	0.614
			Velocità Km/h		10.0	15.0	20.0	25.0	30.0	35.0	40.0
Sector	Subsector	Technology	Veicoli	VieckM	NOX 10	NOX 15	NOX 20	NOx 25	NOX 30	NOX 35	NOX 40
Passenger Cars	Gasoline <1,4 l	ECE 15/03	123632	4550	1.59	1.58	1.58	1.59	1.62	1.66	1.71
Passenger Cars	Gasoline <1,4 l	PC Euro 1 - 91/441/EEC	92297	7000	0.83	0.79	0.74	0.69	0.67	0.64	0.61
Passenger Cars	Gasoline <1,4 l	PC Euro 2 - 94/12/EEC	333014	7000	0.50	0.48	0.46	0.42	0.41	0.38	0.37
Passenger Cars	Gasoline <1,4 l	PC Euro 3 - 98/69/EC Stage2000	220342	8400	0.13	0.13	0.14	0.14	0.14	0.14	0.14
Passenger Cars	Gasoline <1,4 l	PC Euro 4 - 98/69/EC Stage2005	274259	8400	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Passenger Cars	Gasoline 1,4 - 2,0 l	ECE 15/03	52027	8400	1.45	1.53	1.60	1.69	1.77	1.86	1.95
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 1 - 91/441/EEC	56780	10570	0.84	0.79	0.74	0.69	0.67	0.63	0.61
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 2 - 94/12/EEC	158625	10570	0.50	0.48	0.46	0.42	0.40	0.38	0.36
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 3 - 98/69/EC Stage2000	70099	11200	0.13	0.13	0.14	0.14	0.14	0.14	0.14
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 4 - 98/69/EC Stage2005	87148	11200	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Passenger Cars	Gasoline >2,0 l	ECE 15/03	9708	9450	2.76	2.74	2.73	2.74	2.77	2.81	2.86
Passenger Cars	Gasoline >2,0 l	PC Euro 1 - 91/441/EEC	3426	12040	0.83	0.77	0.72	0.67	0.64	0.60	0.58
Passenger Cars	Gasoline >2,0 l	PC Euro 2 - 94/12/EEC	9834	12040	0.49	0.47	0.44	0.41	0.38	0.36	0.34
Passenger Cars	Gasoline >2,0 l	PC Euro 3 - 98/69/EC Stage2000	10545	14000	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Passenger Cars	Gasoline >2,0 l	PC Euro 4 - 98/69/EC Stage2005	18735	14000	0.06	0.06	0.06	0.06	0.06	0.06	0.05
Passenger Cars	Diesel <2,0 l	Conventional	16187	6000	0.82	0.76	0.71	0.66	0.61	0.58	0.54
Passenger Cars	Diesel <2,0 l	PC Euro 1 - 91/441/EEC	8093	12300	1.36	1.07	0.90	0.79	0.72	0.66	0.63
Passenger Cars	Diesel <2,0 l	PC Euro 2 - 94/12/EEC	72658	12300	1.39	1.15	0.99	0.87	0.79	0.73	0.68
Passenger Cars	Diesel <2,0 l	PC Euro 3 - 98/69/EC Stage2000	240079	13200	1.26	1.06	0.94	0.86	0.81	0.77	0.75
Passenger Cars	Diesel <2,0 l	PC Euro 4 - 98/69/EC Stage2005	214756	13200	0.96	0.87	0.80	0.73	0.66	0.61	0.56
Passenger Cars	Diesel >2,0 l	Conventional	10532	6000	1.21	1.14	1.07	1.00	0.95	0.90	0.86
Passenger Cars	Diesel >2,0 l	PC Euro 1 - 91/441/EEC	4651	13200	1.36	1.07	0.90	0.79	0.72	0.66	0.63
Passenger Cars	Diesel >2,0 l	PC Euro 2 - 94/12/EEC	24596	13200	1.39	1.15	0.99	0.87	0.79	0.73	0.68
Passenger Cars	Diesel >2,0 l	PC Euro 3 - 98/69/EC Stage2000	65281	14400	1.26	1.06	0.94	0.86	0.81	0.77	0.75
Passenger Cars	Diesel >2,0 l	PC Euro 4 - 98/69/EC Stage2005	45838	14400	0.96	0.87	0.80	0.73	0.66	0.61	0.56
Passenger Cars	LPG	Conventional	6764	6000	1.45	1.63	1.76	1.88	1.98	2.07	2.15
Passenger Cars	LPG	PC Euro 1 - 91/441/EEC	3234	12300	0.51	0.51	0.51	0.50	0.52	0.52	0.52
Passenger Cars	LPG	PC Euro 2 - 94/12/EEC	6402	14400	0.20	0.21	0.21	0.22	0.24	0.25	0.25
Passenger Cars	LPG	PC Euro 3 - 98/69/EC Stage2000	4000	14400	0.13	0.13	0.13	0.13	0.14	0.14	0.14
Passenger Cars	LPG	PC Euro 4 - 98/69/EC Stage2005	8118	14400	0.07	0.07	0.07	0.07	0.07	0.08	0.08
Light Duty Vehicles	Gasoline <3,5t	Conventional	3 976	3750	2.18	2.27	2.36	2.45	2.54	2.63	2.72
Light Duty Vehicles	Gasoline <3,5t	LD Euro 1 - 93/59/EEC	2 798	3750	0.20	0.22	0.23	0.25	0.28	0.30	0.32
Light Duty Vehicles	Gasoline <3,5t	LD Euro 2 - 96/69/EEC	5 197	7750	0.08	0.10	0.11	0.12	0.15	0.16	0.17
Light Duty Vehicles	Gasoline <3,5t	LD Euro 3 - 98/69/EC Stage2000	4 141	7750	0.05	0.05	0.06	0.06	0.07	0.08	0.09
Light Duty Vehicles	Gasoline <3,5t	LD Euro 4 - 98/69/EC Stage2005	1 967	7750	0.02	0.03	0.03	0.03	0.04	0.04	0.05
Light Duty Vehicles	Diesel <3,5 t	Conventional	23 733	6000	4.19	3.67	3.20	2.77	2.39	2.04	1.74
Light Duty Vehicles	Diesel <3,5 t	LD Euro 1 - 93/59/EEC	18 848	6000	1.80	1.67	1.55	1.44	1.34	1.26	1.19
Light Duty Vehicles	Diesel <3,5 t	LD Euro 2 - 96/69/EEC	46 437	12375	1.80	1.67	1.55	1.44	1.34	1.26	1.19
Light Duty Vehicles	Diesel <3,5 t	LD Euro 3 - 98/69/EC Stage2000	75 408	12375	1.52	1.40	1.30	1.21	1.13	1.06	1.00
Light Duty Vehicles	Diesel <3,5 t	LD Euro 4 - 98/69/EC Stage2005	21 611	12375	1.23	1.14	1.05	0.98	0.91	0.86	0.81
Light Duty Vehicles	Diesel <3,5 t	LD Euro 5 - 2008 Standards	491	13000	0.88	0.82	0.76	0.70	0.66	0.62	0.58
Heavy Duty Trucks	Gasoline >3,5 t	Conventional	198	750	4.50	4.50	4.50	4.50	4.50	4.50	4.50
Heavy Duty Trucks	Rigid <=7,5 t	Conventional	4 092	6600	6.91	6.07	5.43	4.97	4.64	4.42	4.29
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro I - 91/542/EEC Stage I	716	6600	5.21	4.39	3.82	3.45	3.22	3.09	3.02
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro II - 91/542/EEC Stage II	1 435	13200	5.68	4.75	4.13	3.72	3.45	3.29	3.21
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro III - 2000 Standards	1 662	13200	5.42	4.07	3.39	2.98	2.73	2.57	2.47
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro IV - 2005 Standards	185	13200	2.83	2.22	1.91	1.73	1.63	1.56	1.52
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro V - 2008 Standards	39	14000	1.61	1.26	1.09	0.99	0.93	0.89	0.87
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro VI	5	14000	0.31	0.24	0.21	0.19	0.18	0.17	0.17
Heavy Duty Trucks	Rigid 7,5 - 12 t	Conventional	3 897	5100	14.17	12.19	10.74	9.69	8.93	8.41	8.06
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro I - 91/542/EEC Stage I	915	5100	8.92	7.45	6.44	5.75	5.29	4.99	4.80
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro II - 91/542/EEC Stage II	1 804	10200	9.68	8.02	6.89	6.13	5.62	5.28	5.07
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro III - 2000 Standards	1 466	10200	8.77	6.66	5.59	4.92	4.49	4.19	3.99
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro IV - 2005 Standards	161	10200	4.73	3.74	3.22	2.90	2.69	2.54	2.44
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro V - 2008 Standards	10	11000	2.69	2.13	1.83	1.65	1.53	1.45	1.39
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro VI	3	11000	0.52	0.41	0.35	0.32	0.30	0.28	0.27
Heavy Duty Trucks	Rigid 12 - 14 t	Conventional	754	5100	16.38	14.00	12.27	11.00	10.09	9.44	8.98
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro I - 91/542/EEC Stage I	72	5100	10.26	8.58	7.40	6.59	6.03	5.65	5.39
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro II - 91/542/EEC Stage II	85	10200	10.90	9.12	7.89	7.03	6.43	6.01	5.72
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro III - 2000 Standards	124	10200	9.98	7.70	6.57	5.83	5.30	4.91	4.62
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro IV - 2005 Standards	24	10200	5.32	4.39	3.83	3.43	3.14	2.93	2.78
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro V - 2008 Standards	1	11000	3.03	2.50	2.18	1.96	1.79	1.67	1.59
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro VI	3	11000	0.59	0.48	0.42	0.38	0.35	0.32	0.31
Heavy Duty Trucks	Rigid 14 - 20 t	Conventional	1 704	1450	21.54	18.18	15.86	14.16	12.93	12.02	11.36
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro I - 91/542/EEC Stage I	419	1450	13.32	11.06	9.58	8.51	7.73	7.17	6.76
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 136	2900	14.54	11.96	10.35	9.20	8.35	7.72	7.26
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro III - 2000 Standards	1 396	2900	13.99	10.57	8.75	7.63	6.87	6.32	5.90
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro IV - 2005 Standards	163	2900	7.16	5.75	4.99	4.45	4.04	3.73	3.50
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro V - 2008 Standards	22	3000	4.08	3.28	2.84	2.53	2.30	2.13	2.00
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro VI	7	3000	0.79	0.63	0.55	0.49	0.44	0.41	0.39
Heavy Duty Trucks	Rigid 20 - 26 t	Conventional	2 423	1450	22.71	19.40	17.21	15.53	14.22	13.19	12.39
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro I - 91/542/EEC Stage I	710	1450	16.03	13.67	12.11	10.91	9.98	9.26	8.70
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro II - 91/542/EEC Stage II	2 001	2900	17.63	14.79	13.02	11.70	10.66	9.86	9.23
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro III - 2000 Standards	1 887	2900	16.18	12.57	10.73	9.52	8.62	7.93	7.39
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro IV - 2005 Standards	225	2900	8.58	7.10	6.26	5.64	5.15	4.77	4.47
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro V - 2008 Standards	8	3000	4.89	4.05	3.57	3.21	2.94	2.72	2.55
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro VI	3	3000	0.94	0.78	0.69	0.62	0.57	0.52	0.49
Heavy Duty Trucks	Rigid 26 - 28 t	Conventional	15	1450	23.00	19.98	17.88	16.23	14.92	13.89	13.06
Heavy Duty Trucks	Rigid 26 - 28 t	HD Euro III - 2000 Standards	2	2900	16.41	12.81	10.93	9.68	8.74	8.03	7.48
Heavy Duty Trucks	Rigid 28 - 32 t	Conventional	17	1450	23.56	21.23	19.40	17.91	16.69	15.70	14.88
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro I - 91/542/EEC Stage I	102	1450	17.74	15.66	14.15	12.94	11.97	11.19	10.57



Sector	Subsector	Technology	Veicoli	VieckM	NOX 10	NOX 15	NOX 20	NOx 25	NOX 30	NOX 35	NOX 40
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro II - 91/542/EEC Stage II	478	2900	20.24	17.23	15.09	13.56	12.45	11.63	11.00
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro III - 2000 Standards	1 135	2900	18.70	14.64	12.40	10.96	9.95	9.21	8.64
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro IV - 2005 Standards	155	2900	10.19	8.36	7.30	6.58	6.07	5.68	5.37
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro V - 2008 Standards	1	3000	5.81	4.77	4.16	3.75	3.46	3.24	3.06
Heavy Duty Trucks	Rigid >32 t	Conventional	101	1525	25.32	22.55	20.43	18.71	17.29	16.13	15.18
Heavy Duty Trucks	Rigid >32 t	HD Euro I - 91/542/EEC Stage I	12	1525	18.57	16.22	14.61	13.32	12.27	11.43	10.74
Heavy Duty Trucks	Rigid >32 t	HD Euro II - 91/542/EEC Stage II	23	3050	21.04	17.69	15.55	14.02	12.87	11.98	11.26
Heavy Duty Trucks	Rigid >32 t	HD Euro III - 2000 Standards	17	3050	19.09	15.07	12.81	11.34	10.31	9.54	8.94
Heavy Duty Trucks	Rigid >32 t	HD Euro IV - 2005 Standards	5	3050	9.95	8.43	7.54	6.85	6.30	5.85	5.49
Heavy Duty Trucks	Articulated 14 - 20 t	Conventional	416	1450	20.45	17.64	15.54	13.94	12.73	11.81	11.10
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro I - 91/542/EEC Stage I	391	1450	12.63	10.65	9.35	8.38	7.63	7.07	6.64
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 602	2900	13.84	11.50	10.04	8.98	8.17	7.55	7.07
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro III - 2000 Standards	1 993	2900	12.92	9.88	8.39	7.41	6.68	6.13	5.69
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro IV - 2005 Standards	478	2900	6.80	5.55	4.86	4.35	3.96	3.66	3.42
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro V - 2008 Standards	47	3000	3.88	3.16	2.77	2.48	2.26	2.09	1.95
Heavy Duty Trucks	Articulated 20 - 28 t	Conventional	54	1450	21.52	19.03	17.19	15.70	14.47	13.47	12.65
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro I - 91/542/EEC Stage I	10	1450	17.08	14.44	12.58	11.24	10.27	9.55	8.99
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro II - 91/542/EEC Stage II	22	2900	17.94	15.10	13.11	11.68	10.65	9.88	9.28
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro III - 2000 Standards	35	2900	15.94	12.56	10.72	9.52	8.66	8.00	7.48
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro IV - 2005 Standards	9	2900	8.33	7.08	6.33	5.75	5.27	4.88	4.56
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro II - 91/542/EEC Stage II	6	2900	18.44	15.71	13.75	12.32	11.25	10.45	9.81
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro III - 2000 Standards	4	2900	16.38	13.10	11.26	10.03	9.13	8.43	7.88
Heavy Duty Trucks	Articulated 34 - 40 t	Conventional	11	1450	26.75	23.47	21.10	19.30	17.87	16.69	15.71
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro I - 91/542/EEC Stage I	4	1450	19.61	16.83	14.98	13.63	12.58	11.74	11.04
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro II - 91/542/EEC Stage II	10	2900	21.27	18.02	15.88	14.36	13.19	12.26	11.50
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro III - 2000 Standards	25	2900	19.03	15.17	13.02	11.59	10.56	9.77	9.13
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro IV - 2005 Standards	5	2900	9.98	8.58	7.74	7.05	6.49	6.01	5.62
Heavy Duty Trucks	Articulated 40 - 50 t	Conventional	2	1525	28.90	25.77	23.40	21.53	20.00	18.73	17.65
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro I - 91/542/EEC Stage I	2	1525	21.17	18.46	16.57	15.15	14.02	13.10	12.33
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro II - 91/542/EEC Stage II	3	3050	22.90	19.66	17.48	15.87	14.62	13.61	12.78
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro III - 2000 Standards	4	3050	20.62	16.64	14.35	12.81	11.69	10.82	10.12
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro IV - 2005 Standards	3	3050	10.85	9.49	8.60	7.87	7.26	6.74	6.30
Heavy Duty Trucks	Articulated 50 - 60 t	HD Euro III - 2000 Standards	4	3050	24.27	19.86	17.22	15.40	14.06	13.01	12.16
Buses	Urban Buses Standard 15 - 18	Conventional	1289	44000	27.33	22.38	18.93	16.51	14.83	13.66	12.84
Buses	Urban Buses Standard 15 - 18	HD Euro I - 91/542/EEC Stage I	173	44000	17.66	14.02	11.64	10.08	9.03	8.32	7.82
Buses	Urban Buses Standard 15 - 18	HD Euro II - 91/542/EEC Stage II	1341	44000	18.70	14.80	12.39				

PARCO CIRCOLATE 2007			Emissioni medie g/Km		6.412	4.915	3.963	3.652	3.416	3.334	3.268
			Velocità Km/h		10.0	15.0	20.0	25.0	30.0	35.0	40.0
Sector	Subsector	Technology	Veicoli	VieckM	CO 10	CO 15	CO 20	CO 25	CO 30	CO 35	CO 40
Passenger Cars	Gasoline <1,4 l	ECE 15/03	123632	4550	82.54	55.43	37.85	34.11	30.65	27.46	24.55
Passenger Cars	Gasoline <1,4 l	PC Euro 1 - 91/441/EEC	92297	7000	11.93	9.82	8.55	7.74	7.28	7.54	7.80
Passenger Cars	Gasoline <1,4 l	PC Euro 2 - 94/12/EEC	333014	7000	5.70	4.60	4.08	3.79	3.70	4.06	4.40
Passenger Cars	Gasoline <1,4 l	PC Euro 3 - 98/69/EC Stage2000	220342	8400	2.66	2.53	2.50	2.51	2.60	3.05	3.44
Passenger Cars	Gasoline <1,4 l	PC Euro 4 - 98/69/EC Stage2005	274259	8400	0.65	0.65	0.65	0.66	0.69	0.82	0.93
Passenger Cars	Gasoline 1,4 - 2,0 l	ECE 15/03	52027	8400	82.54	55.43	37.85	34.11	30.65	27.46	24.55
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 1 - 91/441/EEC	56780	10570	10.07	8.25	7.12	6.33	5.81	5.73	5.70
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 2 - 94/12/EEC	158625	10570	4.95	3.97	3.48	3.17	3.00	3.10	3.20
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 3 - 98/69/EC Stage2000	70099	11200	2.48	2.30	2.21	2.16	2.16	2.35	2.53
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 4 - 98/69/EC Stage2005	87148	11200	0.63	0.60	0.59	0.58	0.59	0.65	0.71
Passenger Cars	Gasoline >2,0 l	ECE 15/03	9708	9450	82.54	55.43	37.85	34.11	30.65	27.46	24.55
Passenger Cars	Gasoline >2,0 l	PC Euro 1 - 91/441/EEC	3426	12040	8.31	6.73	5.72	4.94	4.40	4.20	4.06
Passenger Cars	Gasoline >2,0 l	PC Euro 2 - 94/12/EEC	9834	12040	3.99	3.14	2.70	2.40	2.21	2.22	2.24
Passenger Cars	Gasoline >2,0 l	PC Euro 3 - 98/69/EC Stage2000	10545	14000	1.92	1.75	1.67	1.61	1.59	1.70	1.81
Passenger Cars	Gasoline >2,0 l	PC Euro 4 - 98/69/EC Stage2005	18735	14000	0.49	0.46	0.45	0.44	0.45	0.49	0.53
Passenger Cars	Diesel <2,0 l	Conventional	16187	6000	1.67	1.32	1.12	0.98	0.89	0.81	0.75
Passenger Cars	Diesel <2,0 l	PC Euro 1 - 91/441/EEC	8093	12300	0.95	0.85	0.77	0.69	0.61	0.54	0.48
Passenger Cars	Diesel <2,0 l	PC Euro 2 - 94/12/EEC	72658	12300	0.85	0.76	0.68	0.60	0.53	0.46	0.40
Passenger Cars	Diesel <2,0 l	PC Euro 3 - 98/69/EC Stage2000	240079	13200	0.29	0.23	0.20	0.17	0.15	0.13	0.11
Passenger Cars	Diesel <2,0 l	PC Euro 4 - 98/69/EC Stage2005	214756	13200	0.32	0.26	0.21	0.17	0.14	0.12	0.10
Passenger Cars	Diesel >2,0 l	Conventional	10532	6000	1.67	1.32	1.12	0.98	0.89	0.81	0.75
Passenger Cars	Diesel >2,0 l	PC Euro 1 - 91/441/EEC	4651	13200	0.95	0.85	0.77	0.69	0.61	0.54	0.48
Passenger Cars	Diesel >2,0 l	PC Euro 2 - 94/12/EEC	24596	13200	0.85	0.76	0.68	0.60	0.53	0.46	0.40
Passenger Cars	Diesel >2,0 l	PC Euro 3 - 98/69/EC Stage2000	65281	14400	0.29	0.23	0.20	0.17	0.15	0.13	0.11
Passenger Cars	Diesel >2,0 l	PC Euro 4 - 98/69/EC Stage2005	45838	14400	0.32	0.26	0.21	0.17	0.14	0.12	0.10
Passenger Cars	LPG	Conventional	6764	6000	12.70	10.37	8.32	6.56	5.08	3.88	2.97
Passenger Cars	LPG	PC Euro 1 - 91/441/EEC	3234	12300	5.12	4.75	4.37	4.01	3.69	3.64	3.60
Passenger Cars	LPG	PC Euro 2 - 94/12/EEC	6402	14400	3.56	3.31	3.06	2.80	2.59	2.56	2.54
Passenger Cars	LPG	PC Euro 3 - 98/69/EC Stage2000	4000	14400	2.99	2.78	2.57	2.36	2.19	2.17	2.15
Passenger Cars	LPG	PC Euro 4 - 98/69/EC Stage2005	8118	14400	1.43	1.29	1.16	1.04	0.94	0.89	0.86
Light Duty Vehicles	Gasoline <3,5t	Conventional	3 976	3750	64.14	55.07	46.81	39.36	32.73	26.90	21.87
Light Duty Vehicles	Gasoline <3,5t	LD Euro 1 - 93/59/EEC	2 798	3750	14.46	13.29	12.01	10.59	9.20	8.29	7.19
Light Duty Vehicles	Gasoline <3,5t	LD Euro 2 - 96/69/EEC	5 197	7750	9.53	8.83	8.02	7.12	6.21	5.65	4.93
Light Duty Vehicles	Gasoline <3,5t	LD Euro 3 - 98/69/EC Stage2000	4 141	7750	8.17	7.56	6.88	6.10	5.33	4.85	4.23
Light Duty Vehicles	Gasoline <3,5t	LD Euro 4 - 98/69/EC Stage2005	1 967	7750	3.40	3.07	2.73	2.37	2.03	1.78	1.52
Light Duty Vehicles	Diesel <3,5 t	Conventional	23 733	6000	1.84	1.72	1.61	1.52	1.43	1.36	1.30
Light Duty Vehicles	Diesel <3,5 t	LD Euro 1 - 93/59/EEC	18 848	6000	0.97	0.85	0.75	0.65	0.57	0.51	0.45
Light Duty Vehicles	Diesel <3,5 t	LD Euro 2 - 96/69/EEC	46 437	12375	0.97	0.85	0.75	0.65	0.57	0.51	0.45
Light Duty Vehicles	Diesel <3,5 t	LD Euro 3 - 98/69/EC Stage2000	75 408	12375	0.79	0.70	0.61	0.54	0.47	0.42	0.37
Light Duty Vehicles	Diesel <3,5 t	LD Euro 4 - 98/69/EC Stage2005	21 611	12375	0.63	0.55	0.48	0.42	0.37	0.33	0.29
Light Duty Vehicles	Diesel <3,5 t	LD Euro 5 - 2008 Standards	491	13000	0.63	0.55	0.48	0.42	0.37	0.33	0.29
Heavy Duty Trucks	Gasoline >3,5 t	Conventional	198	750	70.00	70.00	70.00	70.00	70.00	70.00	70.00
Heavy Duty Trucks	Rigid <=7,5 t	Conventional	4 092	6600	4.70	3.79	3.16	2.71	2.37	2.12	1.93
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro I - 91/542/EEC Stage I	716	6600	1.71	1.37	1.12	0.93	0.80	0.70	0.63
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro II - 91/542/EEC Stage II	1 435	13200	1.30	1.00	0.82	0.71	0.64	0.58	0.54
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro III - 2000 Standards	1 662	13200	1.62	1.28	1.06	0.90	0.79	0.69	0.62
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro IV - 2005 Standards	185	13200	0.13	0.10	0.08	0.07	0.06	0.05	0.05
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro V - 2008 Standards	39	14000	0.13	0.10	0.08	0.07	0.06	0.05	0.05
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro VI	5	14000	0.13	0.10	0.08	0.07	0.06	0.05	0.05
Heavy Duty Trucks	Rigid 7,5 - 12 t	Conventional	3 897	5100	6.56	4.86	3.89	3.24	2.79	2.46	2.21
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro I - 91/542/EEC Stage I	915	5100	2.94	2.25	1.81	1.51	1.30	1.15	1.04
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro II - 91/542/EEC Stage II	1 804	10200	2.21	1.68	1.38	1.18	1.05	0.95	0.88
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro III - 2000 Standards	1 466	10200	3.02	2.28	1.83	1.52	1.30	1.14	1.01
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro IV - 2005 Standards	161	10200	0.24	0.18	0.14	0.11	0.10	0.09	0.08
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro V - 2008 Standards	10	11000	0.24	0.18	0.14	0.11	0.10	0.09	0.08
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro VI	3	11000	0.24	0.18	0.14	0.11	0.10	0.09	0.08
Heavy Duty Trucks	Rigid 12 - 14 t	Conventional	754	5100	7.12	5.24	4.18	3.50	3.02	2.67	2.42
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro I - 91/542/EEC Stage I	72	5100	3.19	2.42	1.97	1.67	1.45	1.28	1.16
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro II - 91/542/EEC Stage II	85	10200	2.41	1.85	1.52	1.31	1.17	1.06	0.98
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro III - 2000 Standards	124	10200	3.34	2.47	1.97	1.64	1.41	1.24	1.12
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro IV - 2005 Standards	24	10200	0.25	0.18	0.14	0.12	0.10	0.09	0.08
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro V - 2008 Standards	1	11000	0.25	0.18	0.14	0.12	0.10	0.09	0.08
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro VI	3	11000	0.25	0.18	0.14	0.12	0.10	0.09	0.08
Heavy Duty Trucks	Rigid 14 - 20 t	Conventional	1 704	1450	10.16	7.39	5.83	4.84	4.15	3.65	3.27
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro I - 91/542/EEC Stage I	419	1450	4.47	3.33	2.69	2.25	1.94	1.71	1.54
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 136	2900	3.26	2.47	2.01	1.72	1.52	1.37	1.26
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro III - 2000 Standards	1 396	2900	4.72	3.45	2.72	2.25	1.92	1.68	1.50
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro IV - 2005 Standards	163	2900	0.36	0.26	0.20	0.16	0.14	0.12	0.11
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro V - 2008 Standards	22	3000	0.36	0.26	0.20	0.16	0.14	0.12	0.11
Heavy Duty Trucks	R										

Sector	Subsector	Technology	Veicoli	ViecKM	CO 10	CO 15	CO 20	CO 25	CO 30	CO 35	CO 40
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro II - 91/542/EEC Stage II	478	2900	4.57	3.57	2.97	2.57	2.29	2.08	1.92
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro III - 2000 Standards	1 135	2900	6.07	4.69	3.80	3.19	2.74	2.42	2.18
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro IV - 2005 Standards	155	2900	0.44	0.34	0.27	0.23	0.20	0.17	0.16
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro V - 2008 Standards	1	3000	0.44	0.34	0.27	0.23	0.20	0.17	0.16
Heavy Duty Trucks	Rigid >32 t	Conventional	101	1525	8.18	6.13	4.96	4.17	3.59	3.16	2.84
Heavy Duty Trucks	Rigid >32 t	HD Euro I - 91/542/EEC Stage I	12	1525	6.41	4.82	3.96	3.39	2.96	2.64	2.39
Heavy Duty Trucks	Rigid >32 t	HD Euro II - 91/542/EEC Stage II	23	3050	4.80	3.70	3.06	2.64	2.34	2.13	1.97
Heavy Duty Trucks	Rigid >32 t	HD Euro III - 2000 Standards	17	3050	6.81	5.06	4.01	3.32	2.84	2.49	2.24
Heavy Duty Trucks	Rigid >32 t	HD Euro IV - 2005 Standards	5	3050	0.47	0.35	0.28	0.23	0.20	0.17	0.16
Heavy Duty Trucks	Articulated 14 - 20 t	Conventional	416	1450	9.36	6.84	5.43	4.53	3.90	3.44	3.09
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro I - 91/542/EEC Stage I	391	1450	4.14	3.12	2.53	2.14	1.85	1.64	1.48
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 602	2900	3.12	2.37	1.94	1.66	1.47	1.33	1.23
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro III - 2000 Standards	1 993	2900	4.38	3.23	2.57	2.13	1.82	1.60	1.43
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro IV - 2005 Standards	478	2900	0.33	0.24	0.19	0.15	0.13	0.11	0.10
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro V - 2008 Standards	47	3000	0.33	0.24	0.19	0.15	0.13	0.11	0.10
Heavy Duty Trucks	Articulated 20 - 28 t	Conventional	54	1450	6.85	5.16	4.16	3.49	3.01	2.65	2.39
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro I - 91/542/EEC Stage I	10	1450	5.29	4.02	3.30	2.82	2.47	2.20	2.00
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro II - 91/542/EEC Stage II	22	2900	3.98	3.08	2.55	2.19	1.95	1.77	1.63
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro III - 2000 Standards	35	2900	5.57	4.18	3.33	2.76	2.36	2.07	1.86
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro IV - 2005 Standards	9	2900	0.40	0.30	0.23	0.19	0.16	0.15	0.13
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro II - 91/542/EEC Stage II	6	2900	4.19	3.26	2.70	2.33	2.07	1.88	1.74
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro III - 2000 Standards	4	2900	5.70	4.31	3.45	2.87	2.46	2.17	1.96
Heavy Duty Trucks	Articulated 34 - 40 t	Conventional	11	1450	8.25	6.21	5.04	4.24	3.66	3.22	2.89
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro I - 91/542/EEC Stage I	4	1450	6.49	4.91	4.07	3.49	3.06	2.73	2.48
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro II - 91/542/EEC Stage II	10	2900	4.93	3.82	3.16	2.73	2.42	2.20	2.03
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro III - 2000 Standards	25	2900	6.89	5.15	4.09	3.39	2.90	2.55	2.30
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro IV - 2005 Standards	5	2900	0.48	0.35	0.28	0.23	0.20	0.17	0.16
Heavy Duty Trucks	Articulated 40 - 50 t	Conventional	2	1525	8.69	6.58	5.38	4.55	3.93	3.47	3.13
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro I - 91/542/EEC Stage I	2	1525	7.16	5.41	4.40	3.75	3.30	2.97	2.72
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro II - 91/542/EEC Stage II	3	3050	5.38	4.20	3.49	3.02	2.69	2.44	2.26
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro III - 2000 Standards	4	3050	7.36	5.54	4.42	3.68	3.16	2.78	2.51
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro IV - 2005 Standards	3	3050	0.50	0.37	0.29	0.24	0.21	0.18	0.17
Heavy Duty Trucks	Articulated 50 - 60 t	HD Euro III - 2000 Standards	4	3050	8.55	6.49	5.21	4.35	3.74	3.30	2.98
Buses	Urban Buses Standard 15 - 18	Conventional	1289	44000	12.43	8.90	6.95	5.71	4.84	4.21	3.72
Buses	Urban Buses Standard 15 - 18	HD Euro I - 91/542/EEC Stage I	173	44000	5.47	4.09	3.26	2.71	2.32	2.03	1.80
Buses	Urban Buses Standard 15 - 18	HD Euro II - 91/542/EEC Stage II	1341	44000	5.49	3.99	3.05	2.44	2.05</		

PARCO CIRCOLATE 2007			Emissioni medie g/Km		0.91363	0.76809	0.67981	0.61757	0.56993	0.53935	0.51545
			Velocità Km/h		10.0	15.0	20.0	25.0	30.0	35.0	40.0
Sector	Subsector	Technology	Veicoli	VieckM	COV 10	COV 15	COV 20	COV 25	COV 30	COV 35	COV 40
Passenger Cars	Gasoline <1,4 l	ECE 15/03	123632	4550	6.5824	4.9437	4.0375	3.4522	3.0386	2.7285	2.4861
Passenger Cars	Gasoline <1,4 l	PC Euro 1 - 91/441/EEC	92297	7000	1.2815	1.0494	0.9081	0.8065	0.7249	0.7036	0.6893
Passenger Cars	Gasoline <1,4 l	PC Euro 2 - 94/12/EEC	333014	7000	0.6944	0.5347	0.4522	0.3990	0.3582	0.3510	0.3474
Passenger Cars	Gasoline <1,4 l	PC Euro 3 - 98/69/EC Stage2000	220342	8400	0.2080	0.1849	0.1703	0.1601	0.1499	0.1550	0.1599
Passenger Cars	Gasoline <1,4 l	PC Euro 4 - 98/69/EC Stage2005	274259	8400	0.1035	0.0952	0.0905	0.0877	0.0841	0.0887	0.0927
Passenger Cars	Gasoline 1,4 - 2,0 l	ECE 15/03	52027	8400	6.5938	4.9552	4.0490	3.4637	3.0500	2.7400	2.4976
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 1 - 91/441/EEC	56780	10570	1.4940	1.2033	1.0276	0.9073	0.8219	0.7818	0.7528
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 2 - 94/12/EEC	158625	10570	0.8134	0.6209	0.5190	0.4546	0.4110	0.3928	0.3804
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 3 - 98/69/EC Stage2000	70099	11200	0.2724	0.2313	0.2058	0.1886	0.1764	0.1750	0.1747
Passenger Cars	Gasoline 1,4 - 2,0 l	PC Euro 4 - 98/69/EC Stage2005	87148	11200	0.1402	0.1214	0.1103	0.1031	0.0982	0.0988	0.0998
Passenger Cars	Gasoline >2,0 l	ECE 15/03	9708	9450	6.6110	4.9724	4.0662	3.4809	3.0672	2.7571	2.5148
Passenger Cars	Gasoline >2,0 l	PC Euro 1 - 91/441/EEC	3426	12040	1.3339	1.0500	0.8764	0.7518	0.6590	0.5998	0.5547
Passenger Cars	Gasoline >2,0 l	PC Euro 2 - 94/12/EEC	9834	12040	0.7248	0.5377	0.4372	0.3712	0.3241	0.2956	0.2745
Passenger Cars	Gasoline >2,0 l	PC Euro 3 - 98/69/EC Stage2000	10545	14000	0.2312	0.1898	0.1640	0.1463	0.1324	0.1254	0.1204
Passenger Cars	Gasoline >2,0 l	PC Euro 4 - 98/69/EC Stage2005	18735	14000	0.1177	0.0985	0.0871	0.0797	0.0739	0.0715	0.0699
Passenger Cars	Diesel <2,0 l	Conventional	16187	6000	0.6922	0.4734	0.3615	0.2933	0.2473	0.2140	0.1888
Passenger Cars	Diesel <2,0 l	PC Euro 1 - 91/441/EEC	8093	12300	0.1410	0.1239	0.1092	0.0967	0.0858	0.0765	0.0685
Passenger Cars	Diesel <2,0 l	PC Euro 2 - 94/12/EEC	72658	12300	0.1134	0.0914	0.0763	0.0652	0.0567	0.0500	0.0447
Passenger Cars	Diesel <2,0 l	PC Euro 3 - 98/69/EC Stage2000	240079	13200	0.0606	0.0479	0.0396	0.0338	0.0294	0.0260	0.0234
Passenger Cars	Diesel <2,0 l	PC Euro 4 - 98/69/EC Stage2005	214756	13200	0.0429	0.0376	0.0312	0.0252	0.0204	0.0168	0.0142
Passenger Cars	Diesel >2,0 l	Conventional	10532	6000	0.6922	0.4734	0.3615	0.2933	0.2473	0.2140	0.1888
Passenger Cars	Diesel >2,0 l	PC Euro 1 - 91/441/EEC	4651	13200	0.1762	0.1622	0.1490	0.1366	0.1249	0.1140	0.1040
Passenger Cars	Diesel >2,0 l	PC Euro 2 - 94/12/EEC	24596	13200	0.3349	0.2577	0.2129	0.1822	0.1594	0.1415	0.1270
Passenger Cars	Diesel >2,0 l	PC Euro 3 - 98/69/EC Stage2000	65281	14400	0.0978	0.0883	0.0794	0.0712	0.0634	0.0563	0.0497
Passenger Cars	Diesel >2,0 l	PC Euro 4 - 98/69/EC Stage2005	45838	14400	0.0429	0.0376	0.0312	0.0252	0.0204	0.0168	0.0142
Passenger Cars	LPG	Conventional	6764	6000	4.1437	2.9179	2.2751	1.8757	1.6021	1.4021	1.2491
Passenger Cars	LPG	PC Euro 1 - 91/441/EEC	3234	12300	1.4330	1.3457	1.2491	1.1457	1.0368	0.9591	0.8718
Passenger Cars	LPG	PC Euro 2 - 94/12/EEC	6402	14400	0.6146	0.5883	0.5551	0.5166	0.4734	0.4460	0.4117
Passenger Cars	LPG	PC Euro 3 - 98/69/EC Stage2000	4000	14400	0.3646	0.3480	0.3275	0.3041	0.2782	0.2614	0.2407
Passenger Cars	LPG	PC Euro 4 - 98/69/EC Stage2005	8118	14400	0.1816	0.1751	0.1662	0.1554	0.1431	0.1356	0.1258
Light Duty Vehicles	Gasoline <3,5t	Conventional	3 976	3750	5.8027	5.1470	4.5357	3.9687	3.4461	2.9678	2.5339
Light Duty Vehicles	Gasoline <3,5t	LD Euro 1 - 93/59/EEC	2 798	3750	0.8270	0.7767	0.7261	0.6791	0.6253	0.5845	0.5420
Light Duty Vehicles	Gasoline <3,5t	LD Euro 2 - 96/69/EEC	5 197	7750	0.3721	0.3533	0.3333	0.3133	0.2892	0.2723	0.2542
Light Duty Vehicles	Gasoline <3,5t	LD Euro 3 - 98/69/EC Stage2000	4 141	7750	0.2150	0.2042	0.1927	0.1812	0.1674	0.1577	0.1473
Light Duty Vehicles	Gasoline <3,5t	LD Euro 4 - 98/69/EC Stage2005	1 967	7750	0.1171	0.1115	0.1056	0.0995	0.0921	0.0870	0.0814
Light Duty Vehicles	Diesel <3,5 t	Conventional	23 733	6000	0.2462	0.2306	0.2161	0.2028	0.1906	0.1795	0.1696
Light Duty Vehicles	Diesel <3,5 t	LD Euro 1 - 93/59/EEC	18 848	6000	0.2462	0.2306	0.2161	0.2028	0.1906	0.1795	0.1696
Light Duty Vehicles	Diesel <3,5 t	LD Euro 2 - 96/69/EEC	46 437	12375	0.2462	0.2306	0.2161	0.2028	0.1906	0.1795	0.1696
Light Duty Vehicles	Diesel <3,5 t	LD Euro 3 - 98/69/EC Stage2000	75 408	12375	0.1526	0.1429	0.1340	0.1257	0.1182	0.1113	0.1052
Light Duty Vehicles	Diesel <3,5 t	LD Euro 4 - 98/69/EC Stage2005	21 611	12375	0.0566	0.0530	0.0497	0.0466	0.0438	0.0413	0.0390
Light Duty Vehicles	Diesel <3,5 t	LD Euro 5 - 2008 Standards	491	13000	0.0566	0.0530	0.0497	0.0466	0.0438	0.0413	0.0390
Heavy Duty Trucks	Gasoline >3,5 t	Conventional	198	750	7.0000	7.0000	7.0000	7.0000	7.0000	7.0000	7.0000
Heavy Duty Trucks	Rigid <=7,5 t	Conventional	4 092	6600	3.6624	2.8127	2.2764	1.9072	1.6376	1.4321	1.2704
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro I - 91/542/EEC Stage I	716	6600	0.6597	0.5217	0.4327	0.3697	0.3223	0.2853	0.2559
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro II - 91/542/EEC Stage II	1 435	13200	0.4304	0.3380	0.2791	0.2380	0.2074	0.1835	0.1645
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro III - 2000 Standards	1 662	13200	0.4002	0.3133	0.2562	0.2167	0.1878	0.1659	0.1486
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro IV - 2005 Standards	185	13200	0.0218	0.0169	0.0137	0.0115	0.0098	0.0086	0.0076
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro V - 2008 Standards	39	14000	0.0218	0.0169	0.0137	0.0115	0.0098	0.0086	0.0076
Heavy Duty Trucks	Rigid <=7,5 t	HD Euro VI	5	14000	0.0218	0.0169	0.0137	0.0115	0.0098	0.0086	0.0076
Heavy Duty Trucks	Rigid 7,5 - 12 t	Conventional	3 897	5100	3.2418	2.3417	1.7986	1.4531	1.2201	1.0540	0.9295
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro I - 91/542/EEC Stage I	915	5100	1.2295	0.9263	0.7284	0.5964	0.5052	0.4399	0.3916
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro II - 91/542/EEC Stage II	1 804	10200	0.7940	0.5972	0.4708	0.3862	0.3271	0.2844	0.2526
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro III - 2000 Standards	1 466	10200	0.7527	0.5630	0.4382	0.3551	0.2979	0.2571	0.2272
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro IV - 2005 Standards	161	10200	0.0418	0.0306	0.0235	0.0187	0.0155	0.0132	0.0115
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro V - 2008 Standards	10	11000	0.0418	0.0306	0.0235	0.0187	0.0155	0.0132	0.0115
Heavy Duty Trucks	Rigid 7,5 - 12 t	HD Euro VI	3	11000	0.0418	0.0306	0.0235	0.0187	0.0155	0.0132	0.0115
Heavy Duty Trucks	Rigid 12 - 14 t	Conventional	754	5100	3.5741	2.5318	1.9215	1.5403	1.2871	1.1102	0.9814
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro I - 91/542/EEC Stage I	72	5100	1.3631	1.0031	0.7801	0.6369	0.5407	0.4732	0.4239
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro II - 91/542/EEC Stage II	85	10200	0.8738	0.6411	0.4995	0.4082	0.3463	0.3023	0.2701
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro III - 2000 Standards	124	10200	0.8346	0.6011	0.4566	0.3658	0.3062	0.2652	0.2360
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro IV - 2005 Standards	24	10200	0.0453	0.0320	0.0240	0.0190	0.0157	0.0135	0.0119
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro V - 2008 Standards	1	11000	0.0453	0.0320	0.0240	0.0190	0.0157	0.0135	0.0119
Heavy Duty Trucks	Rigid 12 - 14 t	HD Euro VI	3	11000	0.0453	0.0320	0.0240	0.0190	0.0157	0.0135	0.0119
Heavy Duty Trucks	Rigid 14 - 20 t	Conventional	1 704	1450	5.2166	3.6943	2.8077	2.2560	1.8906	1.6358	1.4507
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro I - 91/542/EEC Stage I	419	1450	1.9604	1.4358	1.1149	0.9096	0.7713	0.6738	0.6024
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 136	2900	1.2562	0.9171	0.7146	0.5855	0.4978	0.4350	0.3879
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro III - 2000 Standards	1 396	2900	1.2166	0.8733	0.6643	0.5329	0.4460	0.3859	0.3427
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro IV - 2005 Standards	163	2900	0.0666	0.0469	0.0352	0.0279	0.0231	0.0198	0.0175
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro V - 2008 Standards	22	3000	0.0666	0.0469	0.0352	0.0279	0.0231	0.0198	0.0175
Heavy Duty Trucks	Rigid 14 - 20 t	HD Euro VI	7	3000	0.0666	0.0469	0.0352	0.0279	0.0231	0.0198	0.0175
Heavy Duty Trucks	Rigid 20 - 26 t	Conventional	2 423	1450	2.9622	2.1125	1.6009	1.2797	1.0677	0.9202	0.8122
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro I - 91/542/EEC Stage I	710	1450	2.4373	1.7648	1.3663	1.1126	0.9408	0.8186	0.7282
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro II - 91/542/EEC Stage II	2 001	2900	1.5603	1.1302	0.8705	0.7067	0.5980	0.5218	0.4655
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro III - 2000 Standards	1 887	2900	1.4975	1.0604	0.8036	0.6433	0.5371	0.4630	0.4092
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro IV - 2005 Standards	225	2900	0.0817	0.0569	0.0425	0.0336	0.0277	0.0237	0.0208
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro V - 2008 Standards	8	3000	0.0817	0.0569	0.0425	0.0336	0.0277	0.0237	0.0208
Heavy Duty Trucks	Rigid 20 - 26 t	HD Euro VI	3	3000	0.0817	0.0569	0.0425	0.0336	0.0277	0.0237	0.0208
Heavy Duty Trucks	Rigid 26 - 28 t	Conventional	15	1450	2.9988	2.1425	1.6339	1.3179	1.1104	0.9656	0.8583
Heavy Duty Trucks	Rigid 26 - 28 t	HD Euro III - 2000 Standards	2	2900	1.5164	1.0786	0.8206	0.6619	0.5589	0.4880	0.4360
Heavy Duty Trucks	Rigid 28 - 32 t	Conventional	17	1450	2.9275	2.1491	1.6732	1.3642	1.1514	0.9970	0.8803
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro I - 91/542/EEC Stage I	102	1450	2.3962	1.8010	1.4319	1.1866	1.0147	0.8893	0.7949

Sector	Subsector	Technology	Veicoli	ViecKM	COV 10	COV 15	COV 20	COV 25	COV 30	COV 35	COV 40
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro II - 91/542/EEC Stage II	478	2900	1.5356	1.1541	0.9175	0.7607	0.6509	0.5706	0.5097
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro III - 2000 Standards	1 135	2900	1.4446	1.0735	0.8405	0.6876	0.5824	0.5069	0.4508
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro IV - 2005 Standards	155	2900	0.0783	0.0570	0.0441	0.0357	0.0299	0.0258	0.0227
Heavy Duty Trucks	Rigid 28 - 32 t	HD Euro V - 2008 Standards	1	3000	0.0783	0.0570	0.0441	0.0357	0.0299	0.0258	0.0227
Heavy Duty Trucks	Rigid >32 t	Conventional	101	1525	3.2468	2.2995	1.7472	1.3995	1.1659	1.0007	0.8791
Heavy Duty Trucks	Rigid >32 t	HD Euro I - 91/542/EEC Stage I	12	1525	2.7207	1.9707	1.5275	1.2450	1.0534	0.9168	0.8155
Heavy Duty Trucks	Rigid >32 t	HD Euro II - 91/542/EEC Stage II	23	3050	1.7333	1.2556	0.9675	0.7860	0.6657	0.5813	0.5189
Heavy Duty Trucks	Rigid >32 t	HD Euro III - 2000 Standards	17	3050	1.6452	1.1672	0.8862	0.7104	0.5935	0.5118	0.4523
Heavy Duty Trucks	Rigid >32 t	HD Euro IV - 2005 Standards	5	3050	0.0894	0.0622	0.0465	0.0368	0.0304	0.0259	0.0227
Heavy Duty Trucks	Articulated 14 - 20 t	Conventional	416	1450	4.7437	3.3563	2.5336	2.0255	1.6956	1.4697	1.3063
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro I - 91/542/EEC Stage I	391	1450	1.7844	1.3113	1.0202	0.8330	0.7062	0.6166	0.5508
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro II - 91/542/EEC Stage II	1 602	2900	1.1561	0.8485	0.6579	0.5356	0.4539	0.3967	0.3548
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro III - 2000 Standards	1 993	2900	1.1012	0.7945	0.6043	0.4841	0.4047	0.3500	0.3107
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro IV - 2005 Standards	478	2900	0.0600	0.0425	0.0318	0.0252	0.0208	0.0178	0.0157
Heavy Duty Trucks	Articulated 14 - 20 t	HD Euro V - 2008 Standards	47	3000	0.0600	0.0425	0.0318	0.0252	0.0208	0.0178	0.0157
Heavy Duty Trucks	Articulated 20 - 28 t	Conventional	54	1450	2.7027	1.9324	1.4667	1.1731	0.9780	0.8420	0.7436
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro I - 91/542/EEC Stage I	10	1450	2.2221	1.6301	1.2679	1.0352	0.8778	0.7663	0.6844
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro II - 91/542/EEC Stage II	22	2900	1.4225	1.0400	0.8088	0.6605	0.5599	0.4883	0.4355
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro III - 2000 Standards	35	2900	1.3617	0.9771	0.7414	0.5934	0.4960	0.4289	0.3809
Heavy Duty Trucks	Articulated 20 - 28 t	HD Euro IV - 2005 Standards	9	2900	0.0744	0.0523	0.0390	0.0307	0.0254	0.0218	0.0192
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro II - 91/542/EEC Stage II	6	2900	1.4242	1.0415	0.8072	0.6581	0.5588	0.4893	0.4381
Heavy Duty Trucks	Articulated 28 - 34 t	HD Euro III - 2000 Standards	4	2900	1.3466	0.9675	0.7356	0.5897	0.4935	0.4271	0.3795
Heavy Duty Trucks	Articulated 34 - 40 t	Conventional	11	1450	3.2252	2.2819	1.7292	1.3823	1.1506	0.9878	0.8687
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro I - 91/542/EEC Stage I	4	1450	2.7040	1.9639	1.5235	1.2420	1.0506	0.9141	0.8128
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro II - 91/542/EEC Stage II	10	2900	1.7205	1.2491	0.9636	0.7833	0.6637	0.5798	0.5177
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro III - 2000 Standards	25	2900	1.6263	1.1563	0.8781	0.7038	0.5880	0.5072	0.4484
Heavy Duty Trucks	Articulated 34 - 40 t	HD Euro IV - 2005 Standards	5	2900	0.0886	0.0617	0.0461	0.0364	0.0300	0.0256	0.0225
Heavy Duty Trucks	Articulated 40 - 50 t	Conventional	2	1525	3.3457	2.3619	1.7843	1.4229	1.1827	1.0148	0.8925
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro I - 91/542/EEC Stage I	2	1525	2.8176	2.0479	1.5828	1.2887	1.0926	0.9546	0.8525
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro II - 91/542/EEC Stage II	3	3050	1.7881	1.2994	1.0026	0.8153	0.6914	0.6049	0.5411
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro III - 2000 Standards	4	3050	1.6774	1.1956	0.9051	0.7239	0.6059	0.5252	0.4670
Heavy Duty Trucks	Articulated 40 - 50 t	HD Euro IV - 2005 Standards	3	3050	0.0910	0.0634	0.0473	0.0374	0.0309	0.0264	0.0232
Heavy Duty Trucks	Artic										

## **ALLEGATO 2**

**DATI DELLE CENTRALINE DI MONITORAGGIO DELLA QUALITA'  
DELL'ARIA A MILANO**

**Stazioni di monitoraggio**

	CO	NO <sub>2</sub>	SO <sub>2</sub>	O <sub>3</sub>	PM <sub>10</sub>	PM <sub>2,5</sub>	C <sub>6</sub> H <sub>6</sub>
<b>P.le Abbiategrasso</b>		X					
<b>Via Juvara</b>		X	X	X	X	X	
<b>Viale Liguria</b>	X	X					
<b>Viale Marche</b>	X	X					
<b>Parco Lambro</b>		X		X			
<b>Via Senato</b>	X	X					X
<b>Verziere</b>	X	X		X	X		
<b>P.le Zavattari</b>	X	X					X

**Valori Limite - Soglie di Informazione e di Allarme**

Inquinante	Valore Limite	Soglia di Informazione	Soglia di Allarme
Monossido di carbonio	10 mg/m <sup>3</sup> Concentrazione media su 8 ore	-	-
Biossido di azoto	200 µg/m <sup>3</sup> Concentrazione media oraria	-	400 µg/m <sup>3</sup> Concentrazione misurata su 3 ore consecutive
Biossido di zolfo	125 µg/m <sup>3</sup> Concentrazione media su 24 ore	-	500 µg/m <sup>3</sup> Concentrazione misurata su 3 ore consecutive
Ozono	-	180 µg/m <sup>3</sup> Concentrazione media oraria	240 µg/m <sup>3</sup> Concentrazione media oraria
Particolato (PM <sub>10</sub> )	50 µg/m <sup>3</sup> Concentrazione media su 24 ore	-	-

**Note:**

I Valori Limite per CO, NO<sub>2</sub>, SO<sub>2</sub> e PM<sub>10</sub> e le Soglie di Allarme per NO<sub>2</sub> e SO<sub>2</sub> sono definiti dal D.M. n. 60 del 2 aprile 2002.

La Soglia di Informazione e la Soglia di Allarme per l'O<sub>3</sub> sono definite dal Dlgs. n. 183 del 21 maggio 2004.

I valori di riferimento per il PM<sub>2,5</sub> sono in via di definizione a livello comunitario.

I valori di riferimento per il C<sub>6</sub>H<sub>6</sub> si riferiscono alle concentrazioni medie annuali e non riguardano quindi gli episodi acuti (concentrazioni medie giornaliere).

Figura 1.4 Concentrazione media annuale di PM10 misurata da analizzatori automatici a confronto con il Limite Legislativo [DM n. 60 del 2 aprile 2002]. Dati allineati al Sistema di Misura 2005 (SM2005) – Fonte: ARPA Lombardia

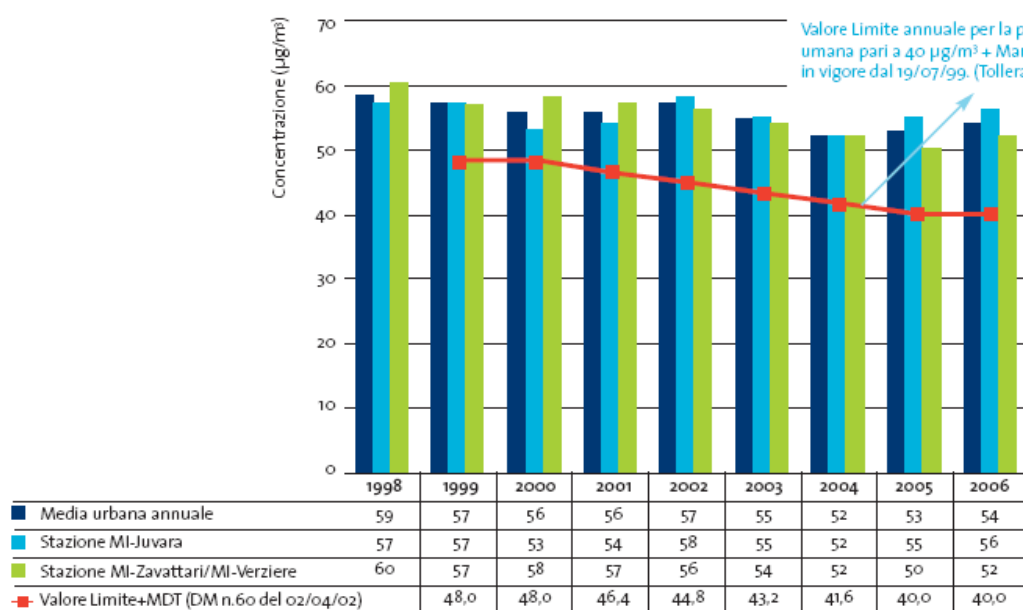


Figura 1.5 Numero di superamenti del Valore Limite ( $50 \mu\text{g}/\text{m}^3$ ) della concentrazione media giornaliera per il PM10 [DM n. 60 del 2 aprile 2002] misurata da analizzatori automatici – Fonte: elaborazione Agenzia Mobilità e Ambiente su dati ARPA Lombardia (2007)

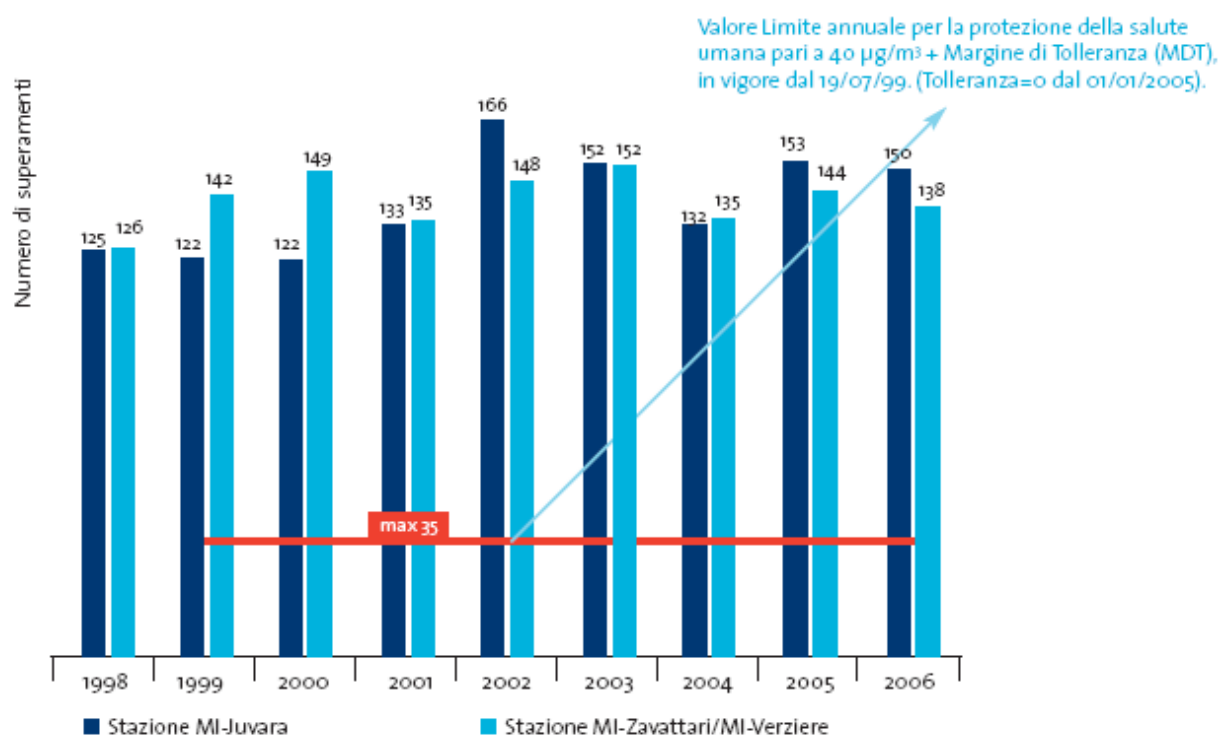




Figura 1.7 Concentrazione media annuale di biossido di azoto (NO<sub>2</sub>) a confronto con il Limite Legislativo [DM n. 60 del 2 aprile 2002] – Fonte: ARPA Lombardia

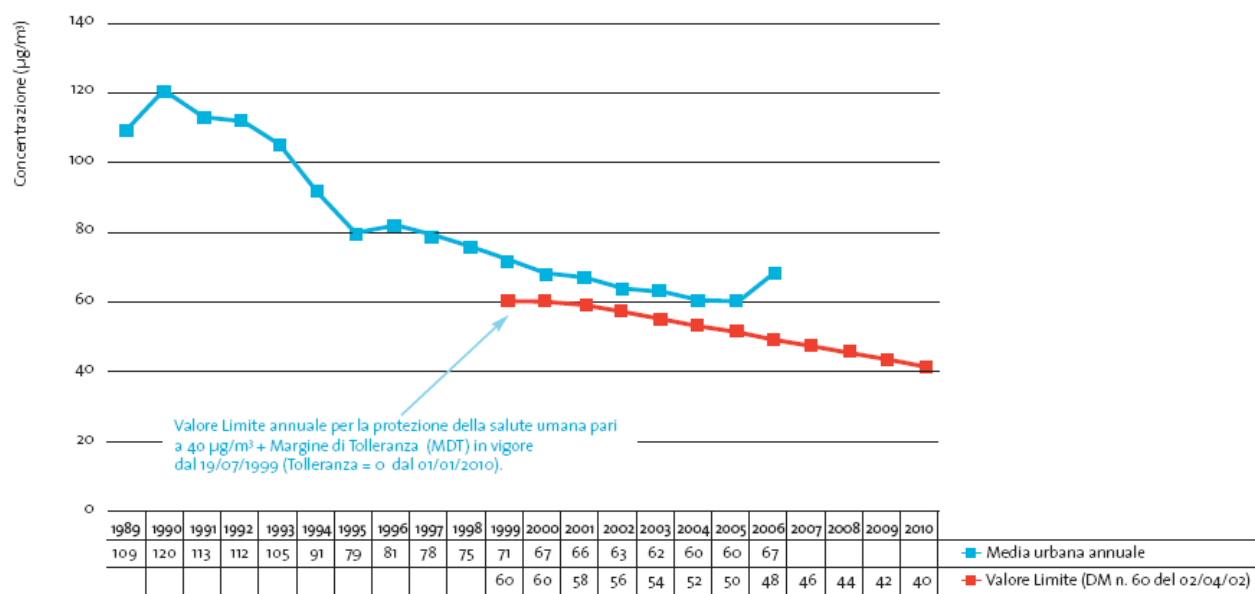


Figura 1.11 Concentrazione media annuale di monossido di carbonio (CO) – Fonte: ARPA Lombardia

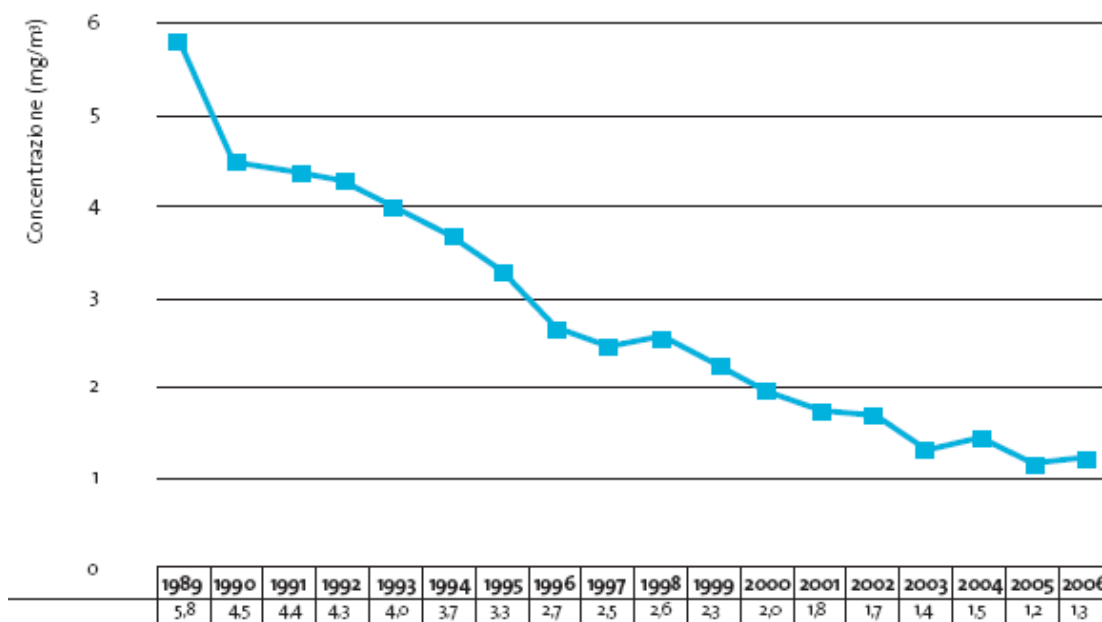


Figura 1.12 **Numero di superamenti del Valore Limite della concentrazione media mobile sulle 8 ore per il monossido di carbonio (CO) pari a 10 mg/m<sup>3</sup> [DM n. 60 del 2 aprile 2002]** – Fonte: elaborazione Agenzia Mobilità e Ambiente su dati orari ARPA Lombardia (2007)

