

RAC Motoring Services

Illustrative Vehicle Running Costs

Petrol Engines - 2017



Illustrative vehicle running costs

RAC Motoring Services, in conjunction with Emmerson Hill Associates (Vehicle Management Consultants), have compiled the following *illustrative* vehicle running costs. The figures represent a guide to the cost of running, from new, a **privately owned** petrol car for a period of **three years** with **an annual mileage of 10,000 miles**.

Engine size (cc)	Up to							
	1000	1200	1400	1800	2000	2500	3000	over 3000
Assumed fuel consumption	58	50	46	40	36	31	27	25
CO2 emissions level (g/km)	under 120	121-150	151-165	166-185	186-225	226-255	226-255	255 plus
New cost incl all taxes **	8,450	9,650	10,950	14,750	16,950	21,750	24,950	29,750
Average value @ 3 years	3,450	3,950	4,250	4,950	5,750	6,500	7,250	9,500
Projected depreciation	5,000	5,700	6,700	9,800	11,200	15,250	17,700	20,250
Finance charge @ 4.8% APR	625	714	810	1,092	1,254	1,610	1,846	2,202
Servicing & maintenance	550	575	600	700	880	1,070	1,200	1,375
Tyres & replacement parts	340	370	415	500	600	760	790	835
Insurance premiums 3 years	1,005	1,185	1,230	1,500	1,860	2,775	3,150	3,600
Excise licences next 2 years	280	280	280	280	280	280	280	280
RAC Membership 3 years	495	495	495	495	495	495	495	495
Total cost over 3 year period	8,295	9,319	10,530	14,367	16,569	22,240	25,461	29,037
Annual cost	2,765	3,106	3,510	4,789	5,523	7,413	8,487	9,679
Cost per mile excl petrol	27.7	31.1	35.1	47.9	55.2	74.1	84.9	96.8
	▼ For total add fuel CPM below ▼							
Petrol CPM @ £1.10/litre ▶	8.6	10.0	10.9	12.5	13.9	16.1	18.5	20.0
Petrol CPM @ £1.15/litre ▶	9.0	10.4	11.3	13.1	14.5	16.8	19.3	20.9
Petrol CPM @ £1.20/litre ▶	9.4	10.9	11.8	13.6	15.1	17.6	20.2	21.8

Compiled by

Emmerson Hill Associates

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** Includes cost of new first year VED as at November 1 2017

For further information

For information on RAC Services or to download a copy of the **RAC Report on Motoring**

visit the RAC website www.rac.co.uk

rac.co.uk/advice/report-on-motoring

Latest fuel price breakdown from:

<http://www.rac.co.uk/advice/fuel-watch>

RAC Motoring Services

Illustrative Vehicle Running Costs

Diesel Engines - 2017



Illustrative vehicle running costs

RAC Motoring Services, in conjunction with Emmerson Hill Associates (Vehicle Management Consultants), have compiled the following *illustrative* vehicle running costs. The figures represent a guide to the cost of running, from new, a **privately-owned** diesel car for a period of **three years** with an **annual mileage of 10,000 miles**.

Engine size (cc)	up to 1400	up to 1400	1401-2000	2001-2200	2001-2200	2201-2500	2501-3000	over 3000
Assumed fuel consumption	60	58	53	42	40	39	36	34
CO2 emissions level (g/km)	under 120	121-150	151-165	166-185	186-225	226-255	255 plus	255 plus
New cost incl all taxes **	9,750	9,950	13,750	20,450	22,500	25,950	31,650	33,000
Average value @ 3 years	3,950	4,250	5,750	7,950	8,250	9,450	11,250	12,250
Projected depreciation	5,800	5,700	8,000	12,500	14,250	16,500	20,400	20,750
Finance charges @ 4.8% APR	722	736	1,018	1,513	1,665	1,920	2,342	2,442
Servicing & maintenance	520	520	760	1,075	1,075	1,440	1,520	1,650
Tyres & replacement parts	350	350	475	595	595	625	650	750
Insurance premiums 3 years	1185	1185	1,500	1,860	1,860	2,850	3,600	4,200
Excise licences next 2 yrs	280	280	280	280	280	280	280	280
RAC Membership 3 years	495	495	495	495	495	495	495	495
Cost excl fuel over 3 years	9,352	9,266	12,528	18,318	20,220	24,110	29,287	30,567
Annual cost	3,117	3,089	4,176	6,106	6,740	8,037	9,762	10,189
Cost per mile excl diesel	31.2	30.9	41.8	61.1	67.4	80.4	97.6	101.9
	▼ For total add fuel CPM below ▼							
Diesel CPM @ £1.10/litre ►	8.3	8.6	9.4	11.9	12.5	12.8	13.9	14.7
Diesel CPM @ £1.15/litre ►	8.7	9.0	9.8	12.4	13.1	13.4	14.5	15.4
Diesel CPM @ £1.20/litre ►	9.1	9.4	10.3	13.0	13.6	14.0	15.1	16.0

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RAC Motoring Services

Illustrative Running Costs

Motorcycles - 2017



Illustrative motorcycle running costs

RAC Motoring Services, in conjunction with Emmerson Hill Associates (Vehicle Management Consultants), have compiled the following illustrative motorcycle running costs. The figures represent a guide to the cost of running a privately-owned motorcycle for a **period of three years** with **an annual mileage of 6,000 miles**.

Engine size (cc) ▶	up to							over
	100cc	125cc	250cc	400cc	600cc	750cc	1000cc	1000cc
Assumed fuel consumption	80	68	56	48	45	43	37	33
Average cost new	1,950	2,150	2,950	4,250	4,500	5,250	6,150	7,750
Average value @ 3 years	950	1,250	1,850	2,150	2,650	3,100	3,500	4,450
Projected depreciation	1,000	900	1,100	2,100	1,850	2,150	2,650	3,300
Finance charge @ 4.8% APR	144	159	218	315	333	389	455	574
Fuel cost @ £1.10/litre	1,125	1,323	1,607	1,875	2,000	2,094	2,432	2,727
Insurance & repairs (3 years)	715	910	1,075	1,155	1,460	1,475	1,710	1,790
Servicing & maintenance	250	295	525	550	600	725	795	825
Tyres & replacement parts	350	450	650	690	740	820	820	900
Excise licences 3 years	54	54	123	123	186	255	255	255
RAC Membership	150	150	150	150	150	150	150	150
Protective clothing/helmet	425	425	525	525	525	525	525	525
Total cost over 3 year period	4,213	4,666	5,973	7,483	7,844	8,583	9,792	11,046
Annual cost	1,404	1,555	1,991	2,494	2,615	2,861	3,264	3,682
Total cost per mile in pence	23.4	25.9	33.2	41.6	43.6	47.7	54.4	61.4

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