

Resting and Maintenance Energy Requirements (kcal/day) of Adult Dogs

BW (Kg)	BW (lbs.)	RER	MER	MER	MER	MER
			active dogs	young dogs	inactive dogs	active old dogs
1	2.2	70	130	140	95	105
2	4.4	118	219	235	160	177
3	6.6	160	296	319	217	239
4	8.8	198	368	396	269	297
5	11	234	435	468	318	351
6	13.2	268	498	537	364	403
7	15.4	301	559	602	409	452
8	17.6	333	618	666	452	499
9	19.8	364	675	727	494	546
10	22	394	731	787	534	590
11	24.2	423	785	846	574	634
12	26.4	451	838	903	613	677
13	28.6	479	890	958	650	719
14	30.8	507	941	1013	688	760
15	33	534	991	1067	724	800
16	35.2	560	1040	1120	760	840
17	37.4	586	1088	1172	795	879
18	39.6	612	1136	1223	830	918
19	41.8	637	1183	1274	865	956
20	44	662	1229	1324	898	993
21	46.2	687	1275	1373	932	1030
22	48.4	711	1321	1422	965	1067
23	50.6	735	1365	1470	998	1103
24	52.8	759	1410	1518	1030	1139
25	55	783	1453	1565	1062	1174
26	57.2	806	1497	1612	1094	1209
27	59.4	829	1540	1658	1125	1244
28	61.6	852	1582	1704	1156	1278
29	63.8	875	1625	1750	1187	1312
30	66	897	1666	1795	1218	1346
31	68.2	920	1708	1839	1248	1379
32	70.4	942	1749	1884	1278	1413
33	72.6	964	1790	1928	1308	1446
34	74.8	986	1830	1971	1338	1478
35	77	1007	1871	2015	1367	1511
36	79.2	1029	1911	2058	1396	1543
37	81.4	1050	1950	2100	1425	1575
38	83.6	1071	1990	2143	1454	1607
39	85.8	1092	2029	2185	1483	1639
40	88	1113	2068	2227	1511	1670
41	90.2	1134	2106	2268	1539	1701

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42	92.4	1155	2145	2310	1567	1732
43	94.6	1175	2183	2351	1595	1763
44	96.8	1196	2221	2392	1623	1794
45	99	1216	2259	2432	1651	1824
46	101.2	1236	2296	2473	1678	1855
47	103.4	1257	2334	2513	1705	1885
48	105.6	1277	2371	2553	1732	1915
49	107.8	1296	2408	2593	1759	1945
50	110	1316	2444	2632	1786	1974
51	112.2	1336	2481	2672	1813	2004
52	114.4	1356	2517	2711	1840	2033
53	116.6	1375	2554	2750	1866	2063
54	118.8	1394	2590	2789	1892	2092
55	121	1414	2626	2827	1919	2121
56	123.2	1433	2661	2866	1945	2149
57	125.4	1452	2697	2904	1971	2178
58	127.6	1471	2732	2942	1997	2207
59	129.8	1490	2767	2980	2022	2235
60	132	1509	2803	3018	2048	2264
61	134.2	1528	2838	3056	2074	2292
62	136.4	1547	2872	3093	2099	2320
63	138.6	1565	2907	3131	2124	2348
64	140.8	1584	2942	3168	2150	2376
65	143	1602	2976	3205	2175	2404
66	145.2	1621	3010	3242	2200	2431
67	147.4	1639	3044	3279	2225	2459
68	149.6	1658	3078	3315	2250	2486
69	151.8	1676	3112	3352	2274	2514
70	154	1694	3146	3388	2299	2541
71	156.2	1712	3180	3424	2324	2568
72	158.4	1730	3213	3460	2348	2595
73	160.6	1748	3247	3496	2373	2622
74	162.8	1766	3280	3532	2397	2649
75	165	1784	3313	3568	2421	2676
76	167.2	1802	3346	3604	2445	2703
77	169.4	1820	3379	3639	2469	2729
78	171.6	1837	3412	3675	2493	2756
79	173.8	1855	3445	3710	2517	2782
80	176	1872	3477	3745	2541	2809

RER= resting energy requirement = $70 \times \text{kgBW}^{.075}$

MER = maintenance energy requirement for active pet dogs or kennel dogs = $130 \times \text{kgBW}^{.075}$

MER = maintenance energy requirement for active young adult dogs = $140 \times \text{kgBW}^{.075}$

MER = maintenance energy requirement for inactive pet dogs = $95 \times \text{kgBW}^{.075}$

MER = maintenance energy requirement for older active pet dogs = $105 \times \text{kgBW}^{.075}$