

Energy Requirement Calculation Sheet: Canine and Feline

Body Weight (kg)	RER (kcal/day)	Canine MER Weight loss 1x	Canine MER Obese prone 1.2x	Canine MER Neutered 1.4x	Canine MER Intact 1.6x	Canine MER Active 1.8x	Canine MER Working Dog 2x	Canine Growth <14weeks 3.0x	Canine Growth >14weeks 2.0x	Feline MER Weight Loss 0.8x	Feline MER Obese Prone 1x	Feline MER Neutered 1.1x	Feline MER Intact 1.3x	Feline MER Active 1.6x	Feline Growth <14 weeks 3.0x	Feline Growth >14 weeks 2.0x
0.2	20.9	20.9	25.1	29.3	33.5	37.7	41.9	62.8	41.9	16.7	20.9	23.0	27.2	33.5	62.8	41.9
0.4	35.2	35.2	42.2	49.3	56.3	63.4	70.4	105.6	70.4	28.2	35.2	38.7	45.8	56.3	105.6	70.4
0.6	47.7	47.7	57.3	66.8	76.4	85.9	95.4	143.2	95.4	38.2	47.7	52.5	62.0	76.4	143.2	95.4
0.8	59.2	59.2	71.1	82.9	94.7	106.6	118.4	177.6	118.4	47.4	59.2	65.1	77.0	94.7	177.6	118.4
1.0	70.0	70.0	84.0	98.0	112.0	126.0	140.0	210.0	140.0	56.0	70.0	77.0	91.0	112.0	210.0	140.0
1.2	80.3	80.3	96.3	112.4	128.4	144.5	160.5	240.8	160.5	64.2	80.3	88.3	104.3	128.4	240.8	160.5
1.4	90.1	90.1	108.1	126.1	144.1	162.2	180.2	270.3	180.2	72.1	90.1	99.1	117.1	144.1	270.3	180.2
1.6	99.6	99.6	119.5	139.4	159.3	179.3	199.2	298.8	199.2	79.7	99.6	109.5	129.5	159.3	298.8	199.2
1.8	108.8	108.8	130.5	152.3	174.0	195.8	217.6	326.3	217.6	87.0	108.8	119.7	141.4	174.0	326.3	217.6
2.0	117.7	117.7	141.3	164.8	188.4	211.9	235.5	353.2	235.5	94.2	117.7	129.5	153.0	188.4	353.2	235.5
2.2	126.4	126.4	151.7	177.0	202.3	227.6	252.9	379.3	252.9	101.2	126.4	139.1	164.4	202.3	379.3	252.9
2.4	135.0	135.0	162.0	189.0	216.0	243.0	270.0	404.9	270.0	108.0	135.0	148.5	175.5	216.0	404.9	270.0
2.6	143.3	143.3	172.0	200.7	229.3	258.0	286.7	430.0	286.7	114.7	143.3	157.7	186.3	229.3	430.0	286.7
2.8	151.5	151.5	181.8	212.1	242.4	272.7	303.0	454.6	303.0	121.2	151.5	166.7	197.0	242.4	454.6	303.0
3.0	159.6	159.6	191.5	223.4	255.3	287.2	319.1	478.7	319.1	127.7	159.6	175.5	207.4	255.3	478.7	319.1
3.2	167.5	167.5	201.0	234.5	268.0	301.5	335.0	502.4	335.0	134.0	167.5	184.2	217.7	268.0	502.4	335.0
3.4	175.3	175.3	210.3	245.4	280.4	315.5	350.5	525.8	350.5	140.2	175.3	192.8	227.9	280.4	525.8	350.5
3.6	182.9	182.9	219.5	256.1	292.7	329.3	365.9	548.8	365.9	146.4	182.9	201.2	237.8	292.7	548.8	365.9
3.8	190.5	190.5	228.6	266.7	304.8	342.9	381.0	571.6	381.0	152.4	190.5	209.6	247.7	304.8	571.6	381.0
4.0	198.0	198.0	237.6	277.2	316.8	356.4	396.0	594.0	396.0	158.4	198.0	217.8	257.4	316.8	594.0	396.0
4.2	205.4	205.4	246.4	287.5	328.6	369.7	410.7	616.1	410.7	164.3	205.4	225.9	267.0	328.6	616.1	410.7
4.4	212.7	212.7	255.2	297.7	340.3	382.8	425.3	638.0	425.3	170.1	212.7	233.9	276.5	340.3	638.0	425.3
4.6	219.9	219.9	263.8	307.8	351.8	395.8	439.7	659.6	439.7	175.9	219.9	241.9	285.8	351.8	659.6	439.7
4.8	227.0	227.0	272.4	317.8	363.2	408.6	454.0	681.0	454.0	181.6	227.0	249.7	295.1	363.2	681.0	454.0
5.0	234.1	234.1	280.9	327.7	374.5	421.3	468.1	702.2	468.1	187.2	234.1	257.5	304.3	374.5	702.2	468.1
5.2	241.0	241.0	289.3	337.5	385.7	433.9	482.1	723.1	482.1	192.8	241.0	265.2	313.4	385.7	723.1	482.1
5.4	248.0	248.0	297.6	347.2	396.7	446.3	495.9	743.9	495.9	198.4	248.0	272.8	322.4	396.7	743.9	495.9
5.6	254.8	254.8	305.8	356.8	407.7	458.7	509.6	764.5	509.6	203.9	254.8	280.3	331.3	407.7	764.5	509.6
5.8	261.6	261.6	313.9	366.3	418.6	470.9	523.2	784.9	523.2	209.3	261.6	287.8	340.1	418.6	784.9	523.2
6.0	268.4	268.4	322.0	375.7	429.4	483.0	536.7	805.1	536.7	214.7	268.4	295.2	348.9	429.4	805.1	536.7
6.5	285.0	285.0	342.0	398.9	455.9	512.9	569.9	854.9	569.9	228.0	285.0	313.5	370.4	455.9	854.9	569.9
7.0	301.2	301.2	361.5	421.7	482.0	542.2	602.5	903.7	602.5	241.0	301.2	331.4	391.6	482.0	903.7	602.5
7.5	317.2	317.2	380.7	444.1	507.6	571.0	634.5	951.7	634.5	253.8	317.2	349.0	412.4	507.6	951.7	634.5
8.0	333.0	333.0	399.6	466.2	532.8	599.4	666.0	998.9	666.0	266.4	333.0	366.3	432.9	532.8	998.9	666.0
8.5	348.5	348.5	418.2	487.9	557.5	627.2	696.9	1045.4	696.9	278.8	348.5	383.3	453.0	557.5	1045.4	696.9
9.0	363.7	363.7	436.5	509.2	582.0	654.7	727.5	1091.2	727.5	291.0	363.7	400.1	472.8	582.0	1091.2	727.5
9.5	378.8	378.8	454.5	530.3	606.1	681.8	757.6	1136.3	757.6	303.0	378.8	416.7	492.4	606.1	1136.3	757.6
10	393.6	393.6	472.4	551.1	629.8	708.6	787.3	1180.9	787.3	314.9	393.6	433.0	511.7	629.8	1180.9	787.3
12	451.3	451.3	541.6	631.8	722.1	812.4	902.6	1354.0	902.6	361.1	451.3	496.5	586.7	722.1	1354.0	902.6
14	506.6	506.6	608.0	709.3	810.6	911.9	1013.3	1519.9	1013.3	405.3	506.6	557.3	658.6	810.6	1519.9	1013.3
16	560.0	560.0	672.0	784.0	896.0	1008.0	1120.0	1680.0	1120.0	448.0	560.0	616.0	728.0	896.0	1680.0	1120.0
18	611.7	611.7	734.1	856.4	978.8	1101.1	1223.4	1835.2	1223.4	489.4	611.7	672.9	795.2	978.8	1835.2	1223.4
20	662.0	662.0	794.4	926.8	1059.2	1191.6	1324.0	1986.1	1324.0	529.6	662.0	728.2	860.6	1059.2	1986.1	1324.0
22	711.1	711.1	853.3	995.5	1137.7	1279.9	1422.1	2133.2	1422.1	568.9	711.1	782.2	924.4	1137.7	2133.2	1422.1
24	759.0	759.0	910.8	1062.6	1214.4	1366.2	1518.1	2277.1	1518.1	607.2	759.0	834.9	986.7	1214.4	2277.1	1518.1
26	806.0	806.0	967.2	1128.4	1289.6	1450.8	1612.0	2418.0	1612.0	644.8	806.0	886.6	1047.8	1289.6	2418.0	1612.0
28	852.1	852.1	1022.5	1192.9	1363.3	1533.7	1704.1	2556.2	1704.1	681.6	852.1	937.3	1107.7	1363.3	2556.2	1704.1
30	897.3	897.3	1076.8	1256.2	1435.7	1615.1	1794.6	2691.9	1794.6	717.8	897.3	987.0	1166.5	1435.7	2691.9	1794.6
32	941.8	941.8	1130.2	1318.5	1506.9	1695.2	1883.6	2825.4	1883.6	753.4	941.8	1036.0	1224.3	1506.9	2825.4	1883.6
34	985.6	985.6	1182.7	1379.9	1577.0	1774.1	1971.2	2956.8	1971.2	788.5	985.6	1084.2	1281.3	1577.0	2956.8	1971.2
36	1028.8	1028.8	1234.5	1440.3	1646.1	1851.8	2057.6	3086.4	2057.6	823.0	1028.8	1131.7	1337.4	1646.1	3086.4	2057.6
38	1071.4	1071.4	1285.6	1499.9	1714.2	1928.4	2142.7	3214.1	2142.7	857.1	1071.4	1178.5	1392.8	1714.2	3214.1	2142.7
40	1113.4	1113.4	1336.1	1558.7	1781.4	2004.1	2226.8	3340.1	2226.8	890.7	1113.4	1224.7	1447.4	1781.4	3340.1	2226.8
42	1154.9	1154.9	1385.9	1616.8	1847.8	2078.8	2309.8	3464.6	2309.8	923.9	1154.9	1270.4	1501.3	1847.8	3464.6	2309.8
44	1195.9	1195.9	1435.1	1674.2	1913.4	2152.6	2391.8	3587.6	2391.8	956.7	1195.9	1315.5	1554.6	1913.4	3587.6	2391.8
46	1236.4	1236.4	1483.7	1731.0	1978.3	2225.6	2472.8	3709.3	2472.8	989.1	1236.4	1360.1	1607.3	1978.3	3709.3	2472.8
48	1276.5	1276.5	1531.8	1787.1	2042.4	2297.7	2553.0	3829.6	2553.0	1021.2	1276.5	1404.2	1659.5	2042.4	3829.6	2553.0
50	1316.2	1316.2	1579.5	1842.7	2105.9	2369.2	2632.4	3948.6	2632.4	1053.0	1316.2	1447.8	1711.1	2105.9	3948.6	2632.4
52	1355.5	1355.5	1626.6	1897.7	2168.8	2439.9	2711.0	4066.5	2711.0	1084.4	1355.5	1491.1	1762.2	2168.8	4066.5	2711.0
54	1394.4	1394.4	1673.3	1952.2	2231.1	2510.0	2788.8	4183.3	2788.8	1115.5	1394.4	1533.9	1812.7	2231.1	4183.3	2788.8
56	1433.0	1433.0	1719.6	2006.2	2292.8	2579.4	2866.0	4298.9	2866.0	1146.4	1433.0	1576.3	1862.9	2292.8	4298.9	2866.0
58	1471.2	1471.2	1765.4	2059.7	2353.9	2648.1	2942.4	4413.6	2942.4	1177.0	1471.2	1618.3	1912.5	2353.9	4413.6	2942.4
60	1509.1	1509.1	1810.9	2112.7	2414.5	2716.3	3018.2	4527.2	3018.2	1207.3	1509.1	1660.0	1961.8	2414.5	4527.2	3018.2
62	1546.6	1546.6	1856.0	2165.3	2474.6	2784.0	3093.3	4639.9	3093.3	1237.3	1546.6	1701.3	2010.6	2474.6	4639.9	3093.3
64	1583.9	1583.9	1900.7	2217.5	2534.3	2851.1	3167.8	4751.8	3167.8	1267.1	1583.9	1742.3	2059.1	2534.3	4751.8	3167.8
66	1620.9	1620.9	1945.1	2269.3	2593.4	2917.6	3241.8	4862.7	3241.8	1296.7	1620.9	1783.0	2107.2	2593.4	4862.7	3241.8
68	1657.6	1657.6	1989.1	2320.6	2652.2	2983.7	3315.2	4972.8	3315.2	1326.1	1657.6	1823.4	2154.9	2652.2	4972.8	3315.2
70	1694.0	1694.0	2032.8	2371.6	2710.5	3049.3	3388.1	5082.1	3388.1	1355.2	1694.0	1863.4	2202.2	2710.5	5082.1	3388.1