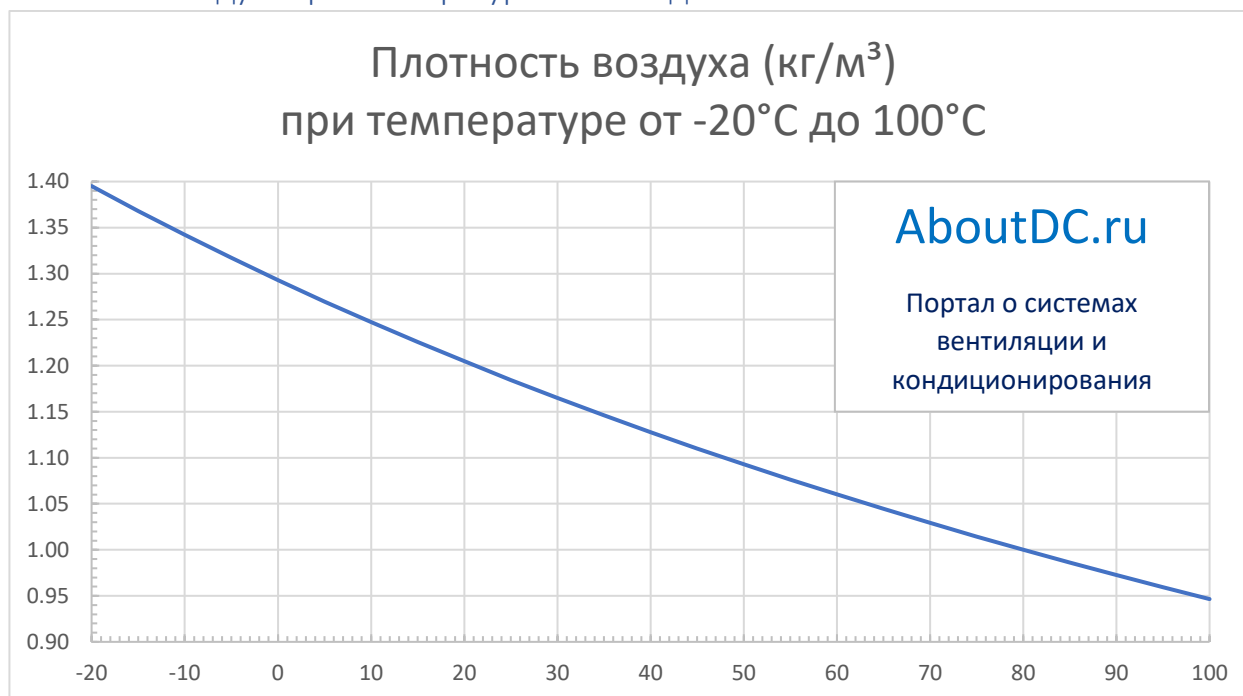


Формула плотности

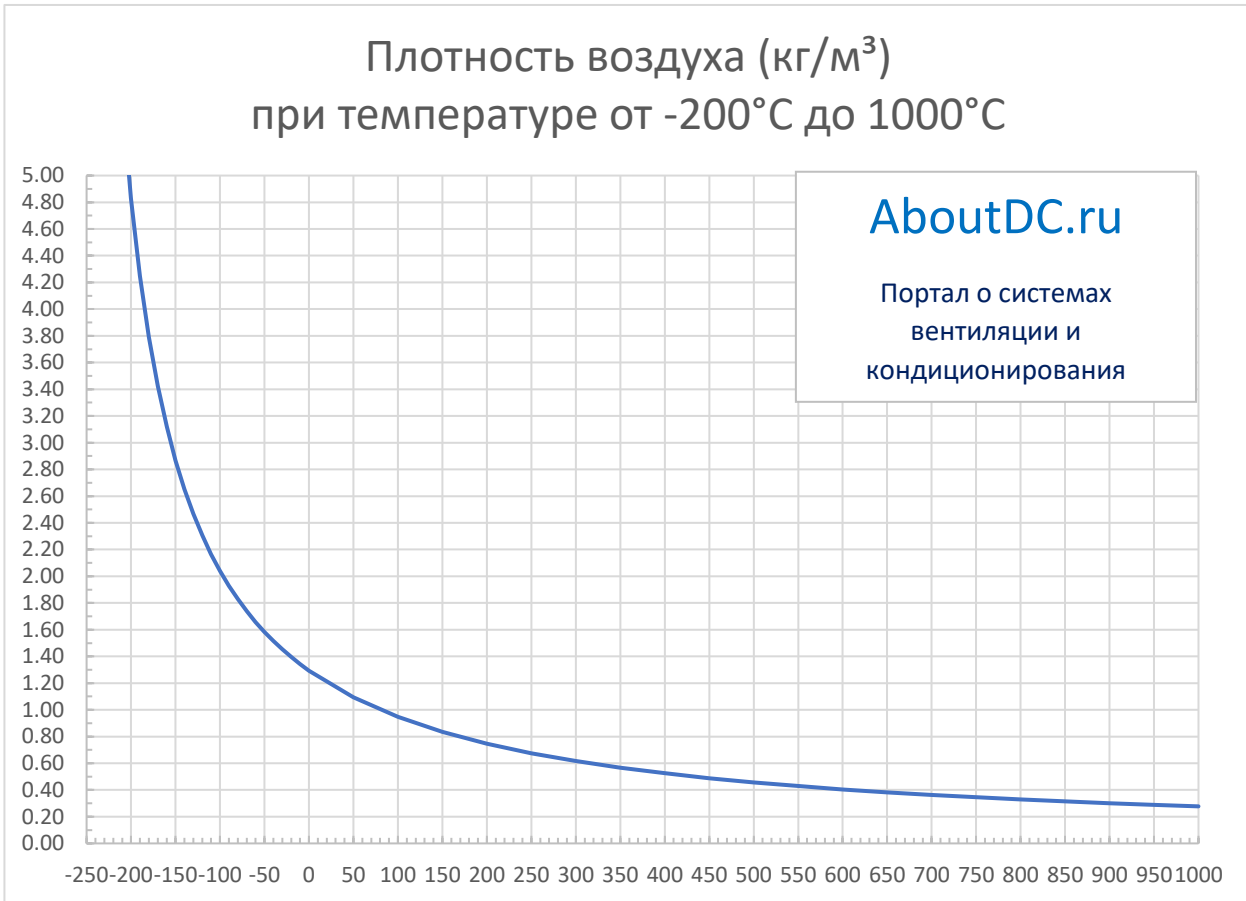
$$\rho = p \cdot M / (R \cdot T)$$

Плотность воздуха при температуре от -20°C до 100°C



t,°C	ρ,кг/м³	t,°C	ρ,кг/м³	t,°C	ρ,кг/м³	t,°C	ρ,кг/м³	t,°C	ρ,кг/м³	t,°C	ρ,кг/м³
-20	1.3951	0	1.2930	20	1.2048	40	1.1278	60	1.0601	80	1.0001
-19	1.3896	1	1.2883	21	1.2007	41	1.1242	61	1.0569	81	0.9973
-18	1.3842	2	1.2836	22	1.1966	42	1.1207	62	1.0538	82	0.9944
-17	1.3788	3	1.2789	23	1.1926	43	1.1171	63	1.0507	83	0.9917
-16	1.3734	4	1.2743	24	1.1885	44	1.1136	64	1.0475	84	0.9889
-15	1.3681	5	1.2697	25	1.1846	45	1.1101	65	1.0444	85	0.9861
-14	1.3628	6	1.2652	26	1.1806	46	1.1066	66	1.0414	86	0.9834
-13	1.3576	7	1.2607	27	1.1767	47	1.1032	67	1.0383	87	0.9806
-12	1.3524	8	1.2562	28	1.1728	48	1.0997	68	1.0353	88	0.9779
-11	1.3472	9	1.2517	29	1.1689	49	1.0963	69	1.0322	89	0.9752
-10	1.3421	10	1.2473	30	1.1650	50	1.0929	70	1.0292	90	0.9725
-9	1.3370	11	1.2429	31	1.1612	51	1.0895	71	1.0262	91	0.9699
-8	1.3320	12	1.2386	32	1.1574	52	1.0862	72	1.0233	92	0.9672
-7	1.3270	13	1.2342	33	1.1536	53	1.0829	73	1.0203	93	0.9646
-6	1.3220	14	1.2299	34	1.1498	54	1.0796	74	1.0174	94	0.9619
-5	1.3171	15	1.2257	35	1.1461	55	1.0763	75	1.0144	95	0.9593
-4	1.3122	16	1.2214	36	1.1424	56	1.0730	76	1.0115	96	0.9567
-3	1.3073	17	1.2172	37	1.1387	57	1.0697	77	1.0086	97	0.9541
-2	1.3025	18	1.2130	38	1.1351	58	1.0665	78	1.0058	98	0.9516
-1	1.2977	19	1.2089	39	1.1314	59	1.0633	79	1.0029	99	0.9490
										100	0.9465

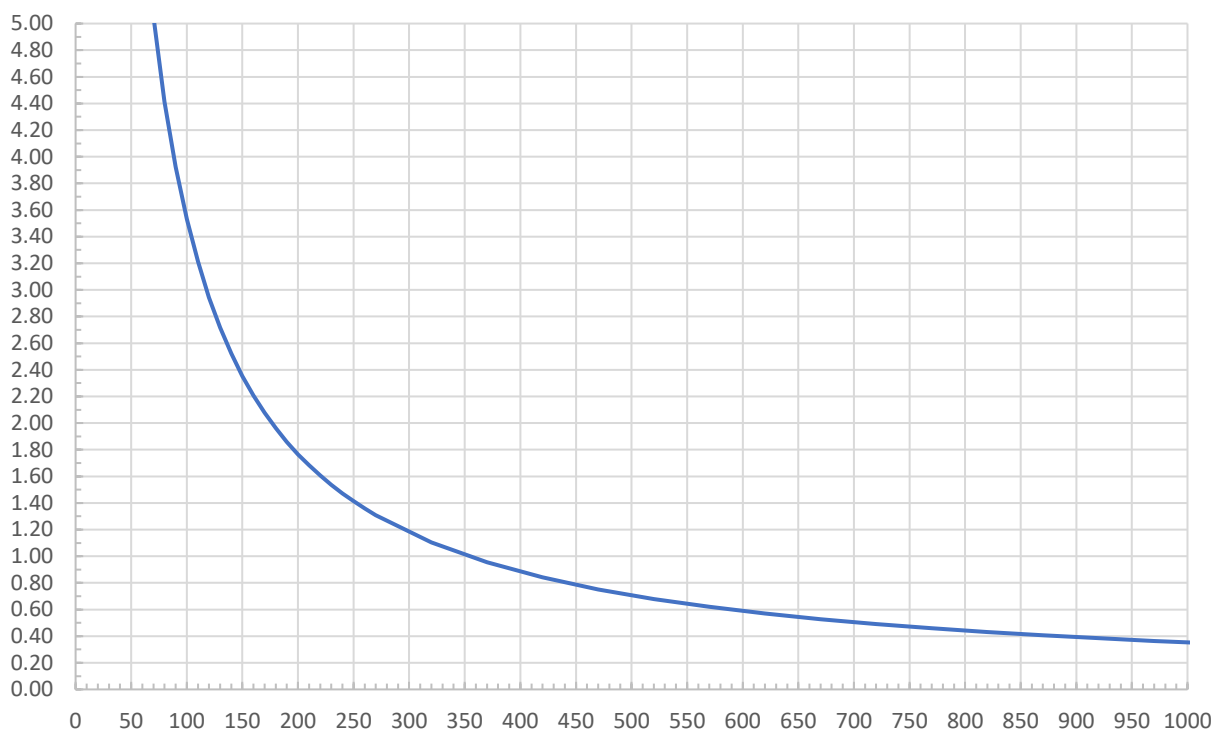
Плотность воздуха при температуре от -200°C до 1000°C



t, °C	ρ, кг/м ³	t, °C	ρ, кг/м ³	t, °C	ρ, кг/м ³	t, °C	ρ, кг/м ³	t, °C	ρ, кг/м ³	t, °C	ρ, кг/м ³	t, °C	ρ, кг/м ³
-270	111.77	-100	2.0397	100	0.9465	200	0.7464	400	0.5247	600	0.4045	800	0.3291
-260	26.838	-90	1.9283	110	0.9218	210	0.7310	410	0.5170	610	0.3999	810	0.3261
-250	15.25	-80	1.8285	120	0.8983	220	0.7162	420	0.5095	620	0.3954	820	0.3231
-240	10.651	-70	1.7385	130	0.8760	230	0.7019	430	0.5023	630	0.3911	830	0.3202
-230	8.1832	-60	1.6569	140	0.8548	240	0.6883	440	0.4952	640	0.3868	840	0.3173
-220	6.6439	-50	1.5827	150	0.8346	250	0.6751	450	0.4884	650	0.3826	850	0.3145
-210	5.5919	-40	1.5148	160	0.8154	260	0.6624	460	0.4817	660	0.3785	860	0.3117
-200	4.8276	-30	1.4525	170	0.7970	270	0.6502	470	0.4753	670	0.3745	870	0.3090
-190	4.2471	-20	1.3951	180	0.7794	280	0.6385	480	0.4689	680	0.3705	880	0.3063
-180	3.7912	-10	1.3421	190	0.7626	290	0.6272	490	0.4628	690	0.3667	890	0.3036
-170	3.4237	0	1.2930	200	0.7464	300	0.6162	500	0.4568	700	0.3629	900	0.3011
-160	3.1211	10	1.2473	210	0.7310	310	0.6056	510	0.4510	710	0.3592	910	0.2985
-150	2.8677	20	1.2048	220	0.7162	320	0.5954	520	0.4453	720	0.3556	920	0.2960
-140	2.6524	30	1.1650	230	0.7019	330	0.5856	530	0.4397	730	0.3521	930	0.2935
-130	2.4671	40	1.1278	240	0.6883	340	0.5760	540	0.4343	740	0.3486	940	0.2911
-120	2.3060	50	1.0929	250	0.6751	350	0.5668	550	0.4291	750	0.3452	950	0.2887
-110	2.1647	60	1.0601	260	0.6624	360	0.5578	560	0.4239	760	0.3419	960	0.2864
-100	2.0397	70	1.0292	270	0.6502	370	0.5491	570	0.4189	770	0.3386	970	0.2841
-90	1.9283	80	1.0001	280	0.6385	380	0.5407	580	0.4140	780	0.3354	980	0.2818
-80	1.8285	90	0.9725	290	0.6272	390	0.5326	590	0.4092	790	0.3322	990	0.2796
												1000	0.2774

Плотность воздуха при температуре от 50 до 1000 Кельвинов

Плотность воздуха (кг/м³) при температуре от 50 до 1000 К



T, K	ρ, кг/м ³	T, K	ρ, кг/м ³	T, K	ρ, кг/м ³	T, K	ρ, кг/м ³	T, K	ρ, кг/м ³
10	35.3187	210	1.6818	410	0.8614	610	0.5790	810	0.4360
20	17.6594	220	1.6054	420	0.8409	620	0.5697	820	0.4307
30	11.7729	230	1.5356	430	0.8214	630	0.5606	830	0.4255
40	8.8297	240	1.4716	440	0.8027	640	0.5519	840	0.4205
50	7.0637	250	1.4127	450	0.7849	650	0.5434	850	0.4155
60	5.8865	260	1.3584	460	0.7678	660	0.5351	860	0.4107
70	5.0455	270	1.3081	470	0.7515	670	0.5271	870	0.4060
80	4.4148	280	1.2614	480	0.7358	680	0.5194	880	0.4013
90	3.9243	290	1.2179	490	0.7208	690	0.5119	890	0.3968
100	3.5319	300	1.1773	500	0.7064	700	0.5046	900	0.3924
110	3.2108	310	1.1393	510	0.6925	710	0.4974	910	0.3881
120	2.9432	320	1.1037	520	0.6792	720	0.4905	920	0.3839
130	2.7168	330	1.0703	530	0.6664	730	0.4838	930	0.3798
140	2.5228	340	1.0388	540	0.6541	740	0.4773	940	0.3757
150	2.3546	350	1.0091	550	0.6422	750	0.4709	950	0.3718
160	2.2074	360	0.9811	560	0.6307	760	0.4647	960	0.3679
170	2.0776	370	0.9546	570	0.6196	770	0.4587	970	0.3641
180	1.9622	380	0.9294	580	0.6089	780	0.4528	980	0.3604
190	1.8589	390	0.9056	590	0.5986	790	0.4471	990	0.3568
200	1.7659	400	0.8830	600	0.5886	800	0.4415	1000	0.3532