

Vergleichstabelle Kilowatt (kW) - Pferdestärke (PS)

Watt und PS sind Einheiten der **Leistung**. Die Einheit PS ist offiziell seit dem 31.12.1977 nicht mehr zulässig, wird umgangssprachlich jedoch noch häufig verwendet.

1 PS = 736 W = 0,736 kW

1 kW = 1000 W = 1,36 PS

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PS	kW
1	= 0,736
2	= 1,472
3	= 2,208
4	= 2,944
5	= 3,68
6	= 4,416
7	= 5,152
8	= 5,888
9	= 6,624
10	= 7,36
11	= 8,096
12	= 8,832
13	= 9,568
14	= 10,304
15	= 11,04
16	= 11,776
17	= 12,512
18	= 13,248
19	= 13,984
20	= 14,72
21	= 15,456
22	= 16,192
23	= 16,928
24	= 17,664
25	= 18,4
26	= 19,136
27	= 19,872
28	= 20,608
29	= 21,344
30	= 22,08
31	= 22,816
32	= 23,552
33	= 24,288
34	= 25,024
35	= 25,76
36	= 26,496
37	= 27,232
38	= 27,968
39	= 28,704
40	= 29,44
41	= 30,176
42	= 30,912
43	= 31,648
44	= 32,384
45	= 33,12
46	= 33,856
47	= 34,592
48	= 35,328
49	= 36,064
50	= 36,8

PS	kW
51	= 37,536
52	= 38,272
53	= 39,008
54	= 39,744
55	= 40,48
56	= 41,216
57	= 41,952
58	= 42,688
59	= 43,424
60	= 44,16
61	= 44,896
62	= 45,632
63	= 46,368
64	= 47,104
65	= 47,84
66	= 48,576
67	= 49,312
68	= 50,048
69	= 50,784
70	= 51,52
71	= 52,256
72	= 52,992
73	= 53,728
74	= 54,464
75	= 55,2
76	= 55,936
77	= 56,672
78	= 57,408
79	= 58,144
80	= 58,88
81	= 59,616
82	= 60,352
83	= 61,088
84	= 61,824
85	= 62,56
86	= 63,296
87	= 64,032
88	= 64,768
89	= 65,504
90	= 66,24
91	= 66,976
92	= 67,712
93	= 68,448
94	= 69,184
95	= 69,92
96	= 70,656
97	= 71,392
98	= 72,128
99	= 72,864
100	= 73,6

kW	PS
1	= 1,36
2	= 2,72
3	= 4,08
4	= 5,44
5	= 6,8
6	= 8,16
7	= 9,52
8	= 10,88
9	= 12,24
10	= 13,6
11	= 14,96
12	= 16,32
13	= 17,68
14	= 19,04
15	= 20,4
16	= 21,76
17	= 23,12
18	= 24,48
19	= 25,84
20	= 27,2
21	= 28,56
22	= 29,92
23	= 31,28
24	= 32,64
25	= 34
26	= 35,36
27	= 36,72
28	= 38,08
29	= 39,44
30	= 40,8
31	= 42,16
32	= 43,52
33	= 44,88
34	= 46,24
35	= 47,6
36	= 48,96
37	= 50,32
38	= 51,68
39	= 53,04
40	= 54,4
41	= 55,76
42	= 57,12
43	= 58,48
44	= 59,84
45	= 61,2
46	= 62,56
47	= 63,92
48	= 65,28
49	= 66,64
50	= 68

kW	PS
51	= 69,36
52	= 70,72
53	= 72,08
54	= 73,44
55	= 74,8
56	= 76,16
57	= 77,52
58	= 78,88
59	= 80,24
60	= 81,6
61	= 82,96
62	= 84,32
63	= 85,68
64	= 87,04
65	= 88,4
66	= 89,76
67	= 91,12
68	= 92,48
69	= 93,84
70	= 95,2
71	= 96,56
72	= 97,92
73	= 99,28
74	= 100,64
75	= 102
76	= 103,36
77	= 104,72
78	= 106,08
79	= 107,44
80	= 108,8
81	= 110,16
82	= 111,52
83	= 112,88
84	= 114,24
85	= 115,6
86	= 116,96
87	= 118,32
88	= 119,68
89	= 121,04
90	= 122,4
91	= 123,76
92	= 125,12
93	= 126,48
94	= 127,84
95	= 129,2
96	= 130,56
97	= 131,92
98	= 133,28
99	= 134,64
100	= 136

Beispielrechnung:

Ein Fahrzeug hat eine Leistung von 85 kW. Berechnen Sie die Leistung in PS !

Lösung:

$$1,36 \text{ PS} / 1 \text{ kW} = X \text{ PS} / 85 \text{ kW}$$

Verhältnisgleichung aufstellen, anschließend nach X auflösen

$$(1,36 \text{ PS} / 1 \text{ kW}) * 85 \text{ kW} = X \text{ PS}$$

$$1,36 \text{ PS} * 85 = \mathbf{115,6 \text{ PS}}$$