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2.5 hp to kw

>>> More information from the unit converter How many hp in 1 kW? The answer is 1.3404825737265. We assume you are converting between horsepower [electric] and kilowatt. You can view more details on each measurement unit: hp or kW The SI derived unit for power is the watt. 1 watt is equal to 0.0013404825737265 hp, or 0.001 kW. Note that rounding errors may occur, so always check the results. Use this page to learn how to convert the units! >> Quick converts the units hp to kW = 29.84 kW 50 hp to kW = 37.3 kW 75 hp to kW = 37.8 kW 75 hp to kW femtowatt hp to dyne centimeter/hour >> Definition: Horsepower The electrical industry for electrical industry for electrical machines and is defined to be exactly 746 W (at 100% efficiency). >> Definition: Kilowatt The SI prefix "kilo" represents a factor of 103, or in exponential notation, 1E3. So 1 kilowatt = 103 watts. The definition of a watt is as follows: The watt (symbol: W) is the SI derived unit for power. It is equivalent to one joule per second (1 J/s), or in electrical units, one volt ampere (1 V·A). >> Metric conversions and more Conversion tables for SI units, as well as English units, currency, and other data. Type in unit symbols, abbreviations, or full names for units of length, area, mass, pressure, and other types. Examples include mm, inch, 100 kg, US fluid ounce, 6'3", 10 stone 4, cubic cm, metres squared, grams, moles, feet per second, and many more! Please provide values below to convert horsepower (metric) to kilowatt [kW], or vice versa. Horsepower (metric)Definition: The unit horsepower (symbol: hp) is a unit of measurement of power (the rate at which work is done). Mechanical horsepower (symbol: hp) is a unit of measurement of power (the rate at which work is done). kgf·m/s). Boiler horsepower, albeit a less common measurement than either imperial or metric horsepower, is used for rating steam boilers, and is equivalent to 34.5 pounds of water evaporated per hour at 212 degrees Fahrenheit, or 9809.5 watts. In addition, when rating electric motors, one horsepower is equal to 746 watts. History/origin: The term horsepower was adopted in the late 18th century by James Watt to compare the output of steam engines with the power of draft horses. Watt was not the first person to compare the output of an engine. It is believed that Watt built on this idea and introduced the term horsepower, largely in an effort to market his steam engine. The term was later expanded to include other types of output power such as the imperial and metric horsepower measurements commonly used today. Kilowatt (symbol: kw) is a unit of power in the International System of Units (SI). The base unit of the kilowatt is the watt, which was named after Scottish inventor James Watt. As is consistent with SI units, the prefix kilo- means that a kilowatt is the watt, which was named after a Scottish inventor named James Watt. This was first proposed in 1882 by Sir Charles William Siemens, an engineer and entrepreneur, who suggested the use of Watt's name as a unit of power. He defined the unit within the system of units being used at the time, and his definition was adopted in 1908. Current use: Kilowatts are used worldwide, typically to express the output power of engines and the power of electric motors, tools, machines, and heaters. Electricity used by a home is typically measured in kilowatt hours, or kWh, meaning 1000 watts being applied over a period of one hour. Megawatt or gigawatt hours may be used in larger buildings or for industrial applications. Horsepower (metric) Kilowatt [kW]0.01 horsepower (metric)0.0073549875 kW0.1 horsepower (metric)2.20649625 kW3 horsepower (metric)3.67749375 kW10 horsepower (metric)3.6774 (metric) 73.549875 kW1000 horsepower (metric) = 0.73549875 kW1 horsepower (metric) = 0.73549875 kW1 horsepower (metric) = 1.3596216173 horsepower (metri like power to use other than animal traction. This "something" was a steam engine and James Watt pioneered the construction of these steam engines. His target audience was precisely the people who used horses to do the heavy work, which would then be done by machines. Sales did not go well at first, so to help sell the machine it was necessary to equate the work developed by the machine with the work done by a horse. That is why the horsepower measurement unit was created. To be more precise in assessing this unit of measure, James Watt has carried out various experiments in order to measure the work performed by a horse for a certain period of time. From there he just needed to see how long it took his steam engine to do the same job. The Kilowatt is a power unit, equivalent to 1000 watts. If we express watt in units used in electric current of 1 amp. This may seem too technical, but it is especially important not to confuse kilowatt (kW) with kilowatt-hour (kWh). This is because, the first is a unit of power, while the second is a unit of energy measurement. Power of an air conditioner could be 1200 watts, or 1.2 kilowatts. As for consumption, this same air conditioner, if it was on for 10 hours would consume a total of 12 kWh. To know the value of this, just look at your electricity bill, to see how much your energy provider charges you for kWh. Precision: Auto 2 3 4 5 6 7 8 9 10 12 14 16 18 20 decimal digitsConvert from Horsepower to Kilowatts. Type in the amount you want to convert and press the Convert button. Belongs in category Power To other units Conversion table For your website 1 Horsepower = 0.7457 Kilowatts 20 Horsepower = 1.4914 Kilowatts 20 Horsepower = 1.4914 Kilowatts 20 Horsepower = 1.4914 Kilowatts 20 Horsepower = 2.2371 Kilowatts 30 Horsepower = 1.4914 Kilowatts 20 Horsepower = 1.4914 Kilowatts 22.371 Kilowatts 10000 Horsepower = 37284.99 Kilowatts 4 Horsepower = 2.9828 Kilowatts 40 Horsepower = 37.285 Kilowatts 50000 Horsepower = 37284.99 Kilowatts 6 Horsepower = 4.4742 Kilowatts 100 Horsepower = 74.57 Kilowatts 100000 Horsepower = 74569.99 Kilowatts 74569.1000000 Horsepower = 745699.87 Kilowatts Embed this unit converter in your page or blog, by copying the following HTML code: Your browser does not support iframes. convertlive.convertli ounces) [weight to volume | volume to weight | price | density]1359 foods that contain Fatty acids, total trans-polyenoic. List of these foods starting with the highest contents of Fatty acids, total trans-polyenoic. List of these foods starting with the highest contents of Fatty acids, total trans-polyenoic. List of these foods starting with the highest contents of Fatty acids, total trans-polyenoic. River weighs 1 521.75 kg/m³ (94.99975 lb/ft³) with specific gravity of 1.52175 relative to pure water. Calculate how much of this gravel is required to attain a specific depth in a cylindrical or in a rectangular shaped aguarium or pond [weight to volume | volume to weight | price | Silver(I) oxide [Aq2O] weighs 7 140 kg/m³ (445.73564 lb/ft³) [weight to volume to weight | price | mole to volume and weight | mass and molar concentration | density]Volume to weight to volume and cost conversions for Refrigerant R-124, liquid (R124) with temperature in the range of -40°C (-40°F) to 82.23°C (180.014°F) Horsepower (hp) is a unit of measuring unit of a power. A horsepower (metric) symbol is "hp". There are two kinds of standard horsepower in 735.5 watts, and metric horsepower in SI unit. kilowatt symbol is "kW". A kilowatt is 1000 watts of electric current. A watt of electric current is measured in power. One kilowatt (hp to kW) power converter. Horsepower (metric). Horsepower (metric) a free online horsepower to kilowatt is equal to 1.3596216173 horsepower (metric). symbol is "hp". There are two kinds of standard horsepower imperial horsepower imperial horsepower is 745.7 watts, and metric horsepower imperial horsepower is 745.7 watts, and metric horsepower is 745.7 watts, and metric horsepower is 745.7 watts, and metric horsepower is 745.7 watts. electric current. A watt of electric current is measured in power. One kilowatt is equal to 1.3596216173 horsepower (metric). For converting horsepower (metric) = 0.73549875 kW; 1 kw = 1.3596216173 horsepower (metric). 51 hp = 2.8 km by the 1.3596216173 horsepower (metric) is 1.3596216173 horsepower (metric). 1.3596216173 horsepower (metric) is 1.3596216173 horsepower (metric) is 1.3596216173 horsepower (metric). 1.3596216173 horsepower (metric) is 1know 1 hp = 0.73549 kW) Answer: 51 hp = 37.51043625 kW. >> More information from the unit converter How many horsepower [electric] and kilowatt. You can view more details on each measurement unit: horsepower [electric] or kW The SI derived unit for power is the watt. 1 watt is equal to 0.0013404825737265 horsepower [electric], or 0.001 kW. Note that rounding errors may occur, so always check the results. Use this page to learn how to convert between horsepower and kilowatts. Type in your own numbers in the form to convert the units! >> Quick conversion chart of horsepower [electric] to kW 1 horsepower [electric] to kW = 0.746 kW 5 horsepower [electric] to kW = 3.73 kW 10 horsepower [electric] to kW = 3.73 kW 75 horsepower [electr 55.95 kW 100 horsepower [electric] to kW = 74.6 kW You can do the reverse unit conversion from kW to horsepower [electric] to kilocalorie/second horsepowe horsepower [electric] to attowatt horsepower [electric] to gram-force centimeter/hour horsepower [electric] to gram-force machines and is defined to be exactly 746 W (at 100% efficiency). >> Definition: Kilowatt The SI prefix "kilo" represents a factor of 103, or in exponential notation, 1E3. So 1 kilowatt = 103 watts. The definition of a watt is as follows: The watt (symbol: W) is the SI derived unit for power. It is equivalent to one joule per second (1 J/s), or in electrical units, one volt ampere (1 V·A). >> Metric conversions and more ConvertUnits.com provides an online conversion tables for SI units, as well as English units, currency, and other data. Type in unit symbols, abbreviations, or full names for units of length, area, mass, pressure, and other types. Examples include mm, inch, 100 kg, US fluid ounce, 6'3", 10 stone 4, cubic cm, metres squared, grams, moles, feet per second, and many more! Convert button below. You can enter an integer or a decimal hp value. After the horsepower conversion completed, the kW and the kilograms meter per second values displayed below. The = 0.745699872 kW 1hp = 76.04022591264 kg m/sec Welcome to our new easy to use he to kW converter. It was created for those users and our friends who are in need of very fast and easy he to kW conversions. For those who need to know the power of their automobile, engine, electric motor or turbine in kilowatts, this online tool can turn into a great, fast and effective solution. In contrast to other complicated and bulky general convertors, our tool is easy to use and very fast. Historically, horsepower was the first power unit emerged and widely used around the world. In the middle ages, a horse was one of the most important elements of almost every household, that is why starting from the 18th century, with the development of first steam engines, a horsepower was chosen as a great comparative unit of power. 1 hp = 33,000 ft·lbf / minutes 1 hp = 33,000 ft·lbf / 60 seconds 1 hp = 550 x 0.3048 x 0.453592376 m·kgf/s 1 hp = 76.04022591264 kgf·m/s applying gravity constant 1 hp = 745.699872 N·m/s by definition 1 ft = 0.3048 m 1 lb = 0.453592376 kg we need kilowatts 1 kW = 1000 W 1 hp = 745.699872 N·m/s by definition 1 ft = 0.3048 m 1 lb = 0.453592376 kg we need kilowatts 1 kW = 1000 W 1 hp = 745.699872 N·m/s by definition 1 ft = 0.3048 m 1 lb = 0.453592376 kg we need kilowatts 1 kW = 1000 W 1 hp = 1mechanical or imperial horsepower is used, which is approximately equal to 745.7 watts. Electrical horsepower is a unit that is equivalent to 746 watts. It is usually used for rating electric motors and engines. There is also metric horsepower which has been used in Europe since the beginning of the 19th century. It is equivalent to roughly 735.5 watts. In contrast to other similar scientific calculators, our horsepower to kilowatts convertor is a very simple tool available online at any moment when one may need to make this converts to enter the value of horsepower you're operating with, and press the Convert button. Please, leave your comments and let us know if you were satisfied with this convertor. You can also share this page with your friends by using your Twitter or Facebook accounts. Hp to kW Conversion Table Horsepower Kilowatts Rounded Kilowatts 1 hp 0.745699872 kW 1 kW 5 hp3.72849936 kW4 kW10 hp7.45699872 kW7 kW15 hp11.18549808 kW11 kW20 hp14.91399744 kW15 kW25 hp18.6424968 kW19 kW30 hp22.37099616 kW37 kW55 hp41.01349296 kW41 kW60 hp44.74199232 kW45 kW65 hp48.47049168 kW48 kW70 hp52.19899104 kW52 kW75 hp55.9274904 kW56 kW80 hp59.65598976 kW60 kW85 hp63.38448912 kW63 kW90 hp67.11298848 kW67 kW95 hp70.84148784 kW71 kW Horsepower Kilowatts Rounded Kilowatts hp96.94098336 kW97 kW135 hp100.66948272 kW101 kW140 hp104.39798208 kW104 kW145 hp108.12648144 kW108 kW155 hp113.58348016 kW112 kW155 hp115.58348016 kW112 kW155 hp115.58348016 kW110 hp104.39798208 kW104 kW165 hp123.04047888 kW123 kW170 hp126.76897824 kW127 kW175 hp130.4974776 kW130 kW180 hp134.22597696 kW134 kW134 hp108.31197952 kW119 kW165 hp123.04047888 kW123 kW170 hp126.76897824 kW175 hp130.4974776 kW130 kW180 hp134.22597696 kW134 kW134 kW165 hp123.04047888 kW170 hp126.76897824 kW175 hp130.4974776 kW130 kW180 hp134.22597696 kW134 kW134 kW180 hp134.22597696 kW180 hp134.225976 kW180 hp134 kW185 hp137.95447632 kW138 kW190 hp141.68297568 kW142 kW195 hp145.41147504 kW145 kW200 hp149.1399744 kW149 kW

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