

# Kilowatts to Horsepower Conversion Chart

This chart provides a convenient reference for converting between kilowatts (kW) and horsepower (hp). The standardized conversion is 1 kW = 1.34102 hp.

## Conversion Formulas:

To convert Kilowatts to Horsepower: **Horsepower = Kilowatts × 1.34102**

To convert Horsepower to Kilowatts: **Kilowatts = Horsepower × 0.7457**

## How to Convert Kilowatts to Horsepower:

1. Take your measurement in kilowatts.
2. Multiply this number by 1.34102 (the conversion factor).
3. The result is your measurement in horsepower.

### Example:

To convert 75 kilowatts to horsepower:

$$75 \text{ kW} \times 1.34102 = 100.58 \text{ hp}$$

## How to Convert Horsepower to Kilowatts:

1. Take your measurement in horsepower.
2. Multiply this number by 0.7457 (the conversion factor).
3. The result is your measurement in kilowatts.

### Example:

To convert 100 horsepower to kilowatts:

$$100 \text{ hp} \times 0.7457 = 74.57 \text{ kW}$$

## Common Conversions (1-120 kilowatts)

| Kilowatts (kW) | Horsepower (hp) | Kilowatts (kW) | Horsepower (hp) |
|----------------|-----------------|----------------|-----------------|
| 1 kW           | 1.34 hp         | 25 kW          | 33.53 hp        |
| 2 kW           | 2.68 hp         | 30 kW          | 40.23 hp        |
| 3 kW           | 4.02 hp         | 35 kW          | 46.94 hp        |
| 4 kW           | 5.36 hp         | 40 kW          | 53.64 hp        |
| 5 kW           | 6.71 hp         | 45 kW          | 60.35 hp        |
| 6 kW           | 8.05 hp         | 50 kW          | 67.05 hp        |
| 7 kW           | 9.39 hp         | 55 kW          | 73.76 hp        |
| 8 kW           | 10.73 hp        | 60 kW          | 80.46 hp        |
| 9 kW           | 12.07 hp        | 65 kW          | 87.17 hp        |
| 10 kW          | 13.41 hp        | 70 kW          | 93.87 hp        |
| 11 kW          | 14.75 hp        | 75 kW          | 100.58 hp       |
| 12 kW          | 16.09 hp        | 80 kW          | 107.28 hp       |
| 13 kW          | 17.43 hp        | 85 kW          | 113.99 hp       |
| 14 kW          | 18.77 hp        | 90 kW          | 120.69 hp       |
| 15 kW          | 20.12 hp        | 95 kW          | 127.40 hp       |
| 16 kW          | 21.46 hp        | 100 kW         | 134.10 hp       |
| 17 kW          | 22.80 hp        | 105 kW         | 140.81 hp       |

|       |          |        |           |
|-------|----------|--------|-----------|
| 18 kW | 24.14 hp | 110 kW | 147.51 hp |
| 19 kW | 25.48 hp | 115 kW | 154.22 hp |
| 20 kW | 26.82 hp | 120 kW | 160.92 hp |

### Practical Equivalents:

- 1 kW = 1.34 hp (small electric motor)
- 10 kW = 13.41 hp (small outboard motor)
- 50 kW = 67.05 hp (vintage motorcycle engine)
- 75 kW = 100.58 hp (small car engine)
- 100 kW = 134.10 hp (standard car engine)
- 200 kW = 268.20 hp (sports car engine)

© 2025 AllUnitConversions.com • For accurate measurements, please use a calibrated measuring device.