Imperial Conversion to Watts

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| --- | --- |
| 550 (ft-lb)/sec | 1hp |
| 1 hp | .0018182 (ft-lb)/sec |
| 1 hp | 746 watts |
| 1hp | .746 kW |
| 1hp | .000746 MW |
| 1 watt | .0013 hp |
| 1 kW | .0000013 hp |
| 1 MW | .0000000013 hp |

Equation 1: Calculating based on Imperial units

Equation 2: Converting Equation 1 to watts

Equation 3

\*Can add efficiency to the equation