Eau

$$P = \dot{m} \times cp \times \Delta T$$

P : kW	$\dot{m}$: kg/s	cp : $4,185 \frac{kJ}{K.kg}$	ΔT : K

$$\underbrace{P}_{kW} = \underbrace{Qv}_{m^3/s} \times \underbrace{\rho}_{kg/m^3} \times \underbrace{cp}_{4,185 \frac{kJ}{K.kg}} \times \underbrace{\Delta T}_{K}$$

$$\rho cp = \frac{1000 \times 4,185}{3600} \quad \frac{kWh}{kg.K}$$

$$= 1,16 \frac{kWh}{kg.K}$$

$$\underbrace{P}_{kW} = \underbrace{Qv}_{m^3/s} \times 1,16 \times \underbrace{\Delta T}_{K}$$

$$= 3600 \underbrace{Qv}_{m^3/h} \times 1,16 \times \underbrace{\Delta T}_{K}$$