

General Information

Basic hand dryer running costs can be approximated using the following calculations, provided that you know the **Power Rating** (KW) and **Dry Time** of the hand dryer and the **Energy Rate** being charged by your electricity supplier (found on your electricity bill). An example of how to calculate the running cost using ASI JD MacDonald's Autobeam is below (NB - the Power Rating for this model is 2.4KW and the Dry Time is 25 seconds. For the purpose of this exercise we will assume the Energy Rate is \$0.33 per kWh):

Firstly, calculate the running cost for one hour:

- **(Power Rating KW x Energy Rate) x One Hour**
- $(2.4 \times \$0.33) \times 1 = \0.792

To calculate how many cycles in an hour:

- $(60 \text{ {seconds}} \div \text{by the Dry Time}) \times 60 \text{ {minutes}}$
- $(60 \div 25) \times 60 = 144 \text{ Cycles Per Hour}$

To calculate the cost per cycle:

- $\text{Running Cost Per Hour} \div \text{by Cycles Per Hour}$
- $\$0.792 \div 144 = \0.0055

Running Costs By Model

Hand Dryer Model	Power Rating (KW)	Usage Per Day	Energy Rate (Tariff)	Daily Running Cost	Dry Time (Seconds)	Cycles per hour	Cost Per Cycle
Turbo-Slim	1	1 hour	\$0.33	\$0.33	15	240	\$0.0014
Tri-Umph	1.6	1 hour	\$0.33	\$0.53	12	300	\$0.0018
Turbo-Dri	1.6	1 hour	\$0.33	\$0.53	15	240	\$0.0022
Applause	1	1 hour	\$0.33	\$0.33	30	120	\$0.0028
Applause Plus	1.8	1 hour	\$0.33	\$0.59	30	120	\$0.0050
Autobeam	2.4	1 hour	\$0.33	\$0.79	25	144	\$0.0055
Touchdry	2.4	1 hour	\$0.33	\$0.79	25	144	\$0.0055