

DAYTON HAND DRYER COST SAVINGS ANALYSIS WORKSHEET

(3BU95, 1GVL8)

Enter values below to calculate the annual cost savings in switching from paper towels to an electric air dryer.

1 Your annual paper towel costs

How many cases of paper towel usage per year? **A** _____

What's the price of paper towel per case (including shipping cost)? **B** _____

YOUR TOTAL COST OF USING PAPER TOWELS: **C** \$ _____

$$C = (\$15 + B) \times A$$

average \$15.00/case of maintenance services fee

2 The annual hand dryer electricity costs

How many sheets or feet per case of paper towels? **D** _____

The paper towel consumption presents how many hand-dries.

Ex: Multi/C-fold towels (2,400/case or 4,000/case)

Center-pull towels (3,600/case) . Roll towels (4,200 ft/case)

What is your electricity rate? **E** _____

Ex: Commercial- average rate \$0.10 KWH . Industrial- average rate \$0.065 KWH

YOUR TOTAL ANNUAL HAND DRYER ELECTRICITY COST: **F** \$ _____

$$F = A \times D \div 2.5 \times E \times 30 \div 3600 \times 1.0$$

average 2.5 sheets/ft per hand-dry 30 second dry time Electrical Rating of heat on and mid speed = 1.0 kw

3 Your total annual savings if you switch from paper towels to hand dryers:

G \$ _____

$$G = C - F$$