

Dryer Design is not complete, but the current progress and output by the script is given as follows:

A 4 stage dryer using the following conditions:

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Stage 1: Air at 1.80 C and 6.06% RH for 0.34 hrs

Stage 2: Air at 42.00 C and 0.33% RH for 0.58 hrs

Stage 3: Air at 82.22 C and 0.03% RH for 0.75 hrs

Stage 4: Air at 123.55 C and 0.00% RH for 0.75 hrs

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Stage 1: Belt length is 2.73 meters

Stage 2: Belt length is 4.60 meters

Stage 3: Belt length is 6.03 meters

Stage 4: Belt length is 6.03 meters

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The cost of the conveyor belt is: \$28142.01

The cost of the steam is: \$783.51 per hour

The cost of the fan is: \$14553.44