Designing energy efficient AHU systems by using selection software
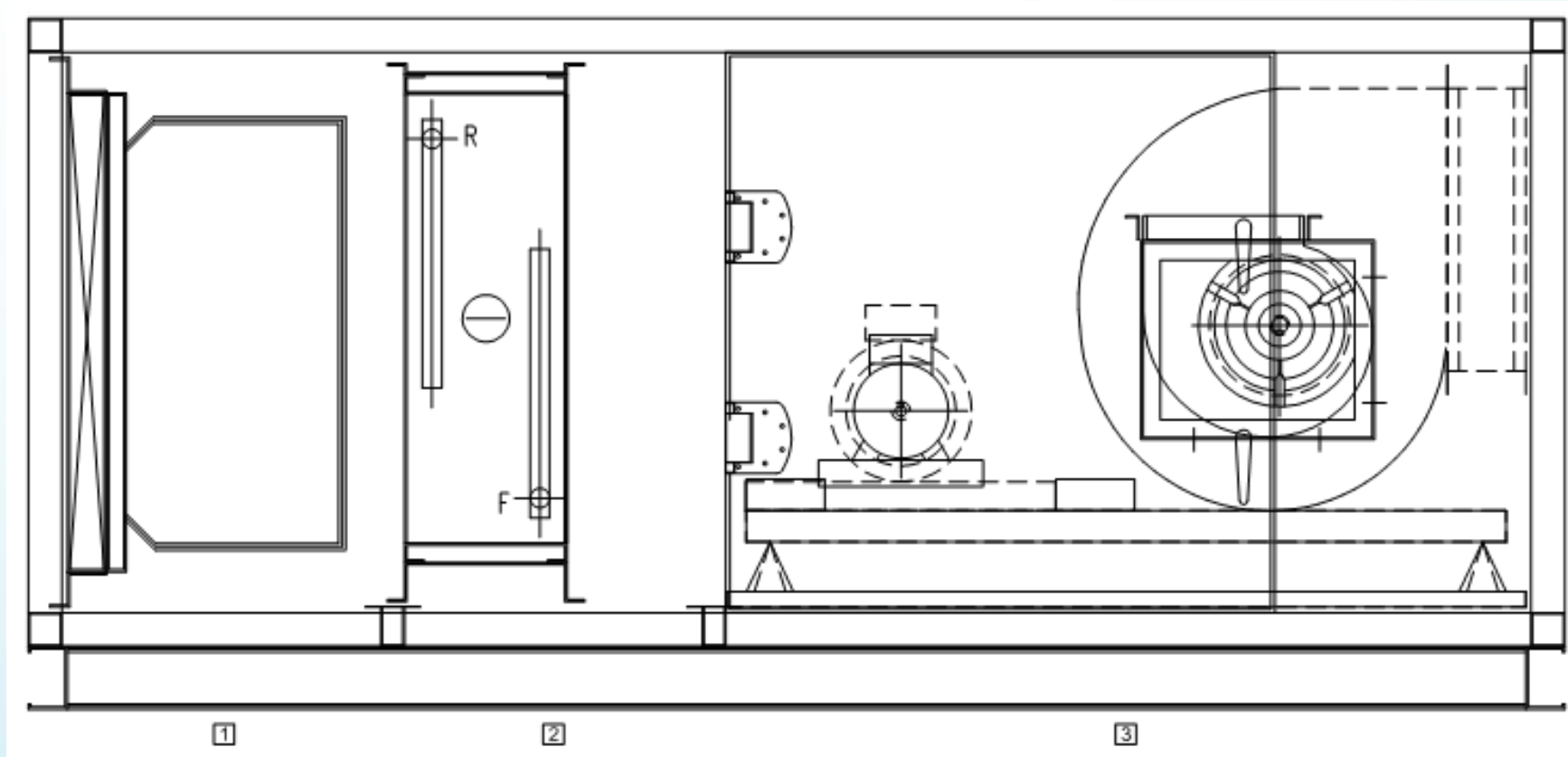
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Advantages of Software Selection

1. Required Energy Efficiency Class (A+, A, B, C, D & E)

2. No manual Error of the data entry

3. Accurate Dimensions of the GAD Drawings

4. Exact Static Pressure Calculation

5. All the Sections / Components can be selected at a time with the accuracy and efficiency

6. Coil Selection can be optimized by the software selection by controlling the FPI, Circuits, Rows, Area to achieve the exact capacity.

7. The Fan absorbed power will be automatically calculated based on the input sections.

8. The Efficiency can be monitored and tailor-made to optimize the energy efficiency.

Online selection

Online selection

Selection Parameters:

- Air Flow – 0.943 m3/s (2000 CFM)

- ESP – 200 Pa

- Inner / Outer – 0.6 mm / 0.6 mm

- Insulation – PUF 40 Kg/m3

- On Coil Conditions - DB 43.3ºC / WB 23.9ºC

- Capacity – 35.13 kW (10 Tr)

7. Water Inlet / Outlet Temperature – 7ºC / 12ºC

8. Backward Curved DIDW Fan