

## DATA NEEDED FOR CFD LITE

## DATA CENTER LAYOUT

1A – (Required) Provide floor plan of data center (any format such as AutoCAD, PDF, or Visio) showing location of CRACs, racks, etc.

1B – If available, show location of perforated tiles on floor plan, otherwise these will be modeled based on “best practices”.

1C – If perforated locations are shown on floor plan, specify if they are 25% standard tiles, high flow tiles, etc.

## CRAC (OR IN-ROW COOLING) INFORMATION

2A – (Required) Provide CRAC make and model. \_\_\_\_\_

2B – (Required) Provide CRAC SATSP (Supply Air Temperature Set point) OR RATSP (Return Air Temperature Set Point), and specify which is being used to control the CRACs. \_\_\_\_\_

2C – Are any of the CRACs turned OFF? ☐ Yes ☐ No

If yes, which ones? \_\_\_\_\_

2D – Are CRACs equipped with VFDs (Variable Frequency Drives)? ☐ Yes ☐ No

If yes, what speed are the drives running at? \_\_\_\_\_

2E – If CRACs equipped with EC fans, are the fans inside the units or lowered beneath the raised floor? \_\_\_\_\_

2F – If VFDs are used to maintain the static pressure under the raised floor, what is the current or designed static pressure (inch of wc or Pa)? \_\_\_\_\_

## ROOM DIMENSIONS

3A – Height of raised floor. \_\_\_\_\_

3B – Height of raised floor to drop ceiling (or real ceiling if drop ceiling is not used). \_\_\_\_\_

3C – Height from drop ceiling (if used) to real ceiling. \_\_\_\_\_

3D – If drop ceiling is available, is it presently being used as a hot return plenum back to CRAC units? ☐ Yes ☐ No

## HEAT LOAD

4A – (Required) What is the total estimated heat load (in kW) of the room? \_\_\_\_\_

4B – What is the estimated average heat load (in kW) or individual heat load of the racks in the room? \_\_\_\_\_

## LOCATION

5A – What is the location of CFD (State and City)? \_\_\_\_\_

5B – For CFD Report title page, what company is this data center for? (or data center name if available) \_\_\_\_\_

## OPERATIONAL COSTS

6A – If available, what is the current cost of electricity (kWh) to operate the data center? \_\_\_\_\_ ☐ NA

6B – If available, what is the current PUE of the data center? \_\_\_\_\_ ☐ NA

6C – If available, what is the annual cost to operate the data center? \_\_\_\_\_ ☐ NA

