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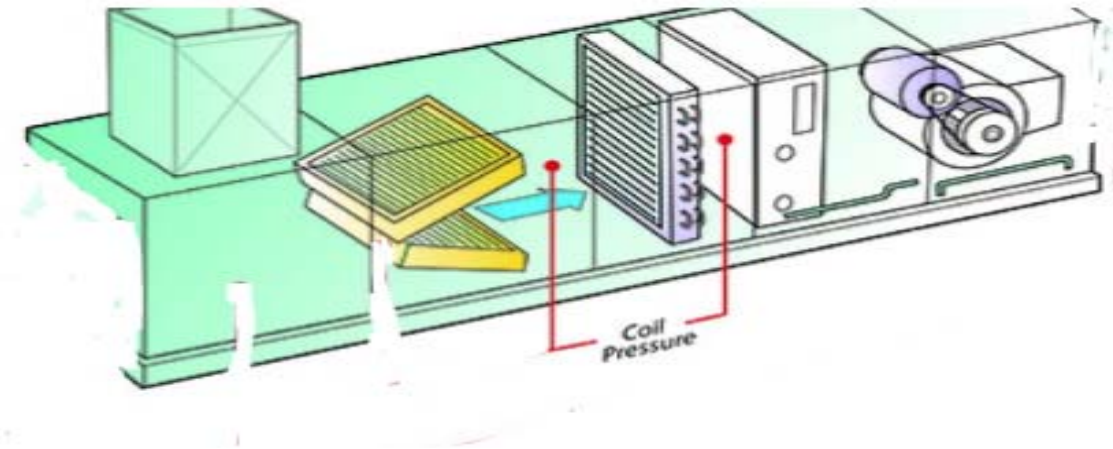
How to Measure
Dry Coil Pressure Drop Reading

This is a generic drawing showing what is being done when taking a dry coil pressure drop reading. You take the static pressure of the air as it enters the dry cooling coil and as it leaves the dry cooling coil and subtract the lower number from the higher and this is your pressure drop. There are charts in the IOM that you use to calculate your airflow



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SOURCE 1
HVAC Supply Center

Example of taking dry coil pressure drop

Use ¼” straight tubes inserted at least 8” perpendicular to the air stream to take dry coil readings

Take RA static pressure here

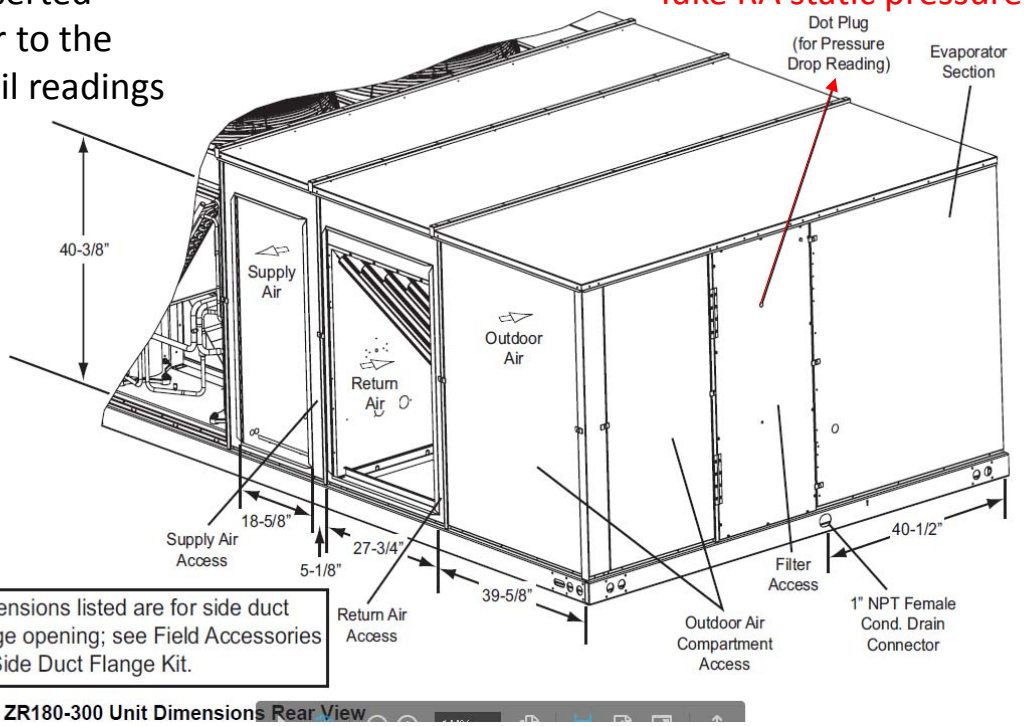

Figure 6: ZR180-300 Unit Dimensions Rear View

DOT Plug locations vary by unit model, see IOM for proper locations

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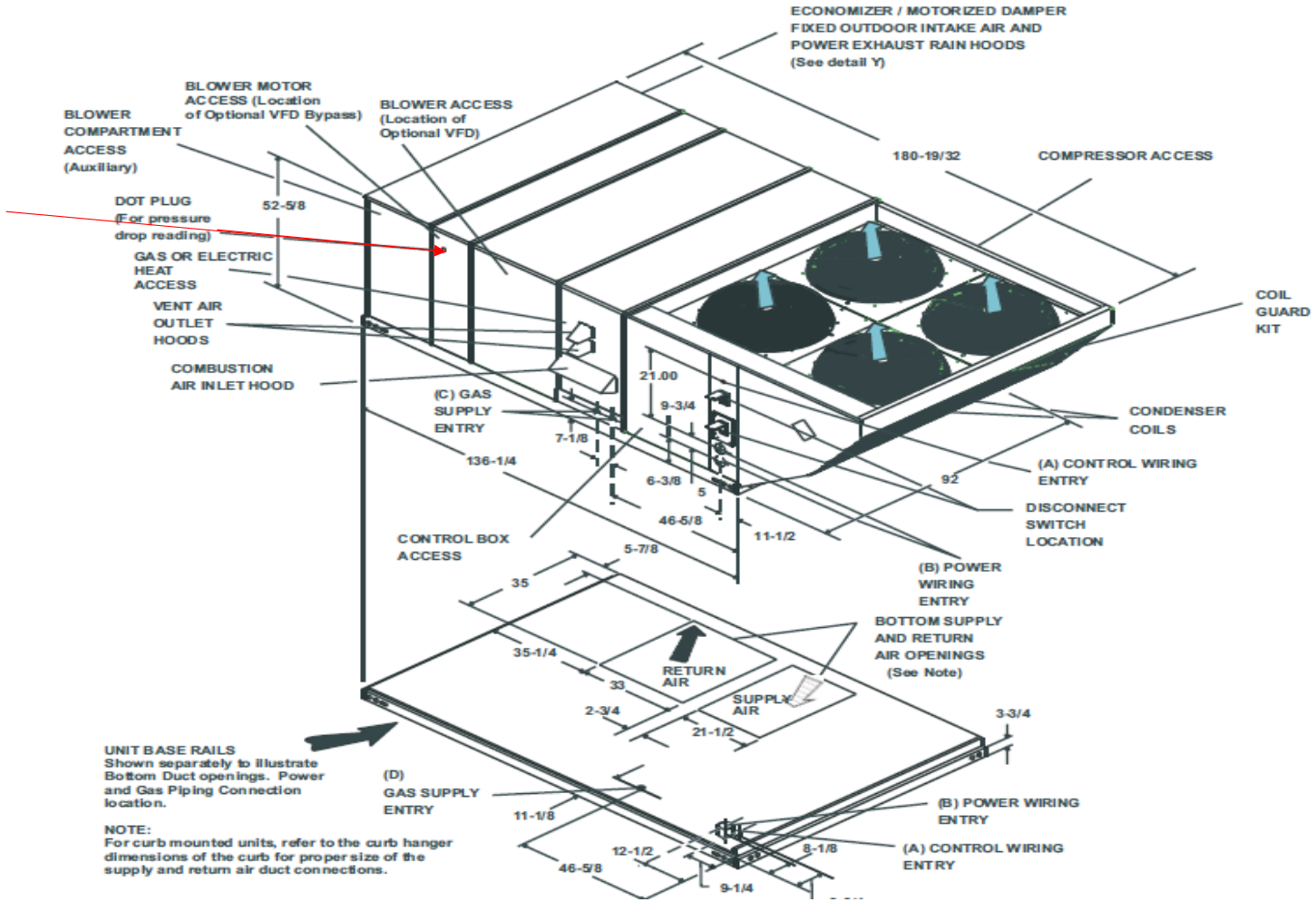
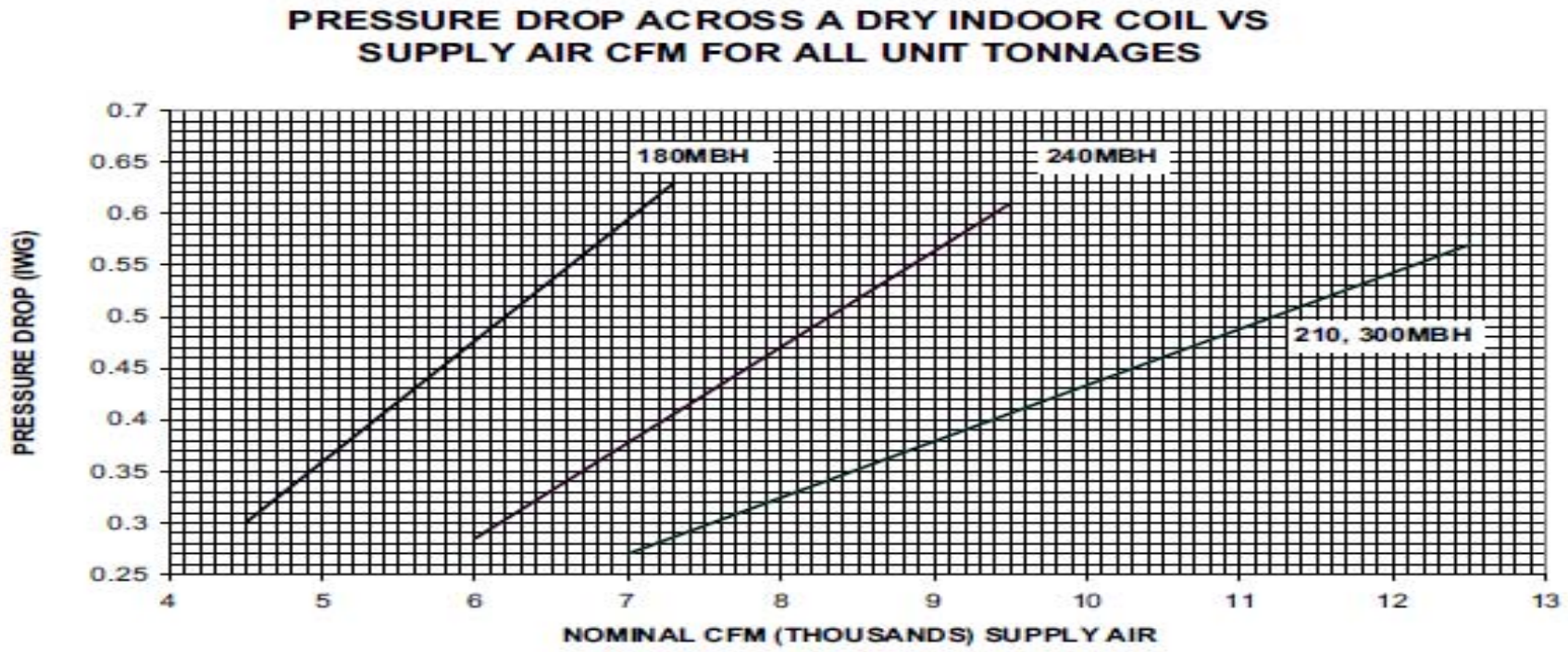
Take after coil pressure here



Sample of dry coil pressure drop airflow



Dry coil airflow charts vary by model number see IOM for proper chart

Example of airflow readings

Readings across coil were .55 and .10, .55-.10=.45 pressure drop. Draw a line across the .45 line and where it intersects the curve read the airflow. It would be 7600
CFM