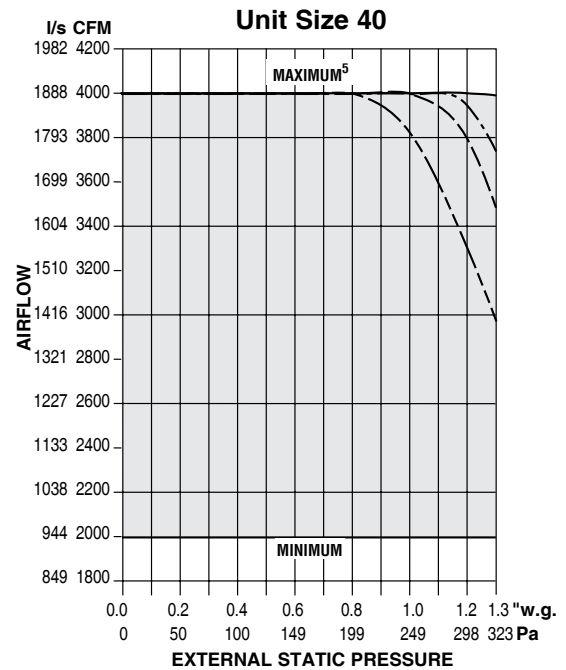
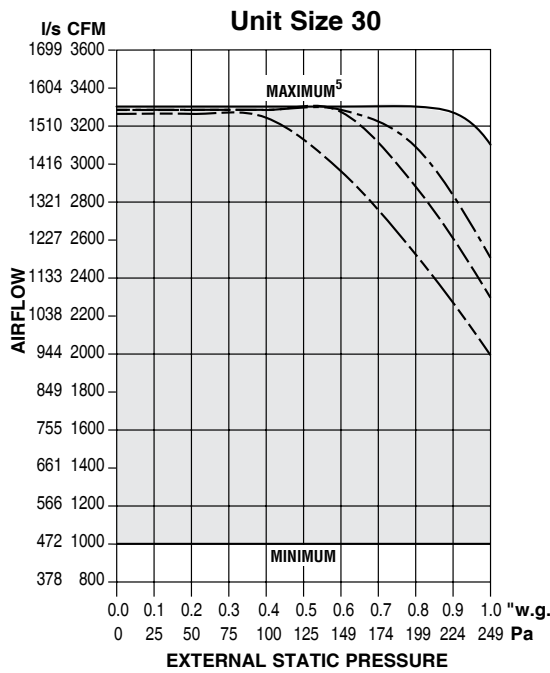


Model Series 35FH • EPIC ECM Motor • Fan Performance Curves

Airflow vs. External Static Pressure



EPIC ECM Notes:

1. The EPIC ECM is a pressure independent constant volume device at set point and airflow does not vary with changing static pressure condition. The motor compensates for any changes in static pressure such as filter loading. Variations in airflow are generated by the controls which reset the fan airflow based on room demand. (See control sequence).
2. Airflow can be set to operate at any point within shaded area under the selected water coil curve using the EPIC volume controller provided.
3. Engineered Comfort Fan Coil units featuring the optional EPIC ECM have considerably wider turn-down ratios than conventional PSC motors. Hence, a reduced number of unit sizes will provide the same fan airflow range when compared

with fan coils equipped with PSC motors. A reduction in the number of different fan coil sizes, required on a typical project, simplifies design lay-out, installation and reduces inventory of field service parts.

4. Fan curves shown are applicable to 120/208/240 and 277 volt, single phase EPIC ECM (motors).
5. The maximum curve represents unit performance with a 3-row coil. For one (1) or two (2) row hot water coils (35FHW heating unit) performance will be slightly better. Model 35FHE (electric heat only) performance data will be comparable to a one (1) row unit. See SelectWorks for performance data Characteristics.
6. Filter pressure drops table shown on page B28.