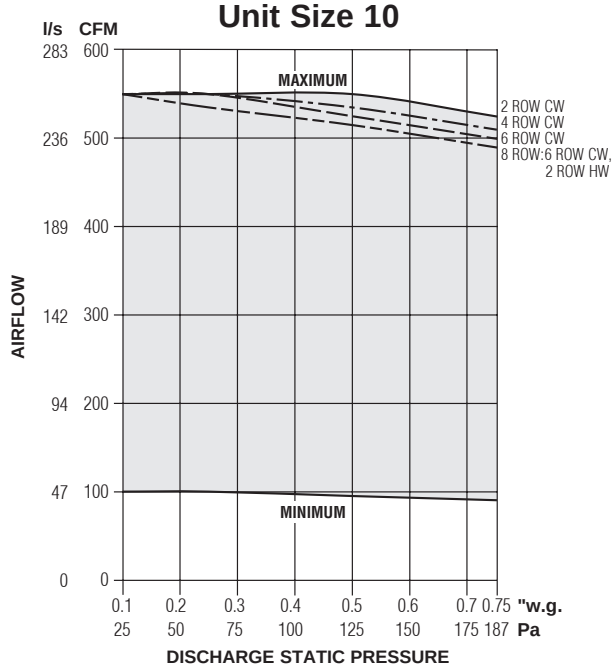
Performance Data

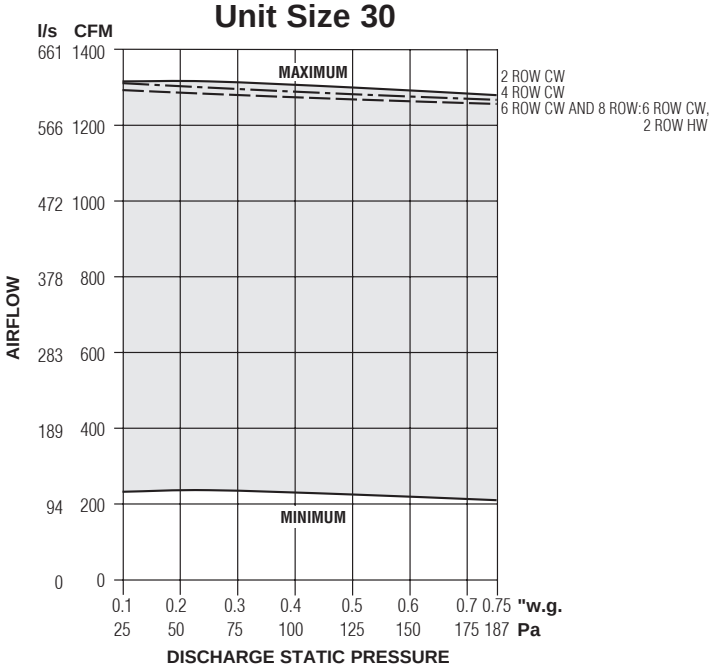
ECM Motor Fan Curves – Airflow vs. Downstream Static Pressure

33SZ Series • FPCWTU (DOAS)

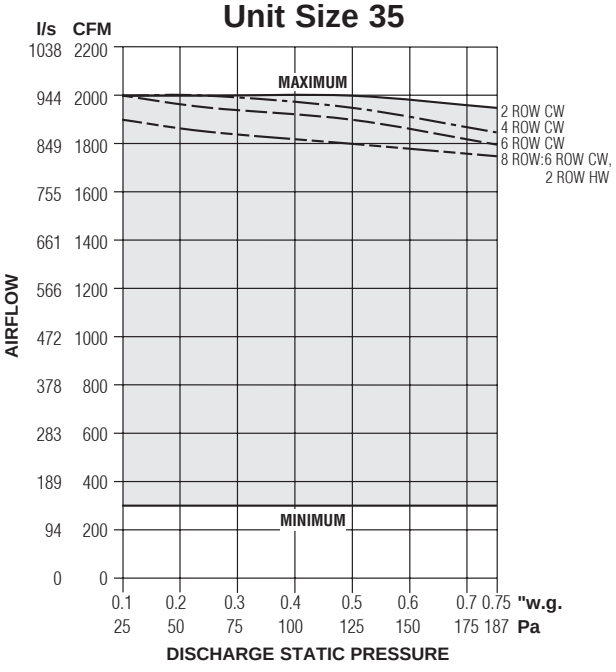
Unit Size 10



Unit Size 30



Unit Size 35



Electrical Data

Unit Size	EPIC ECM Motor FLA				
	Motor HP	120V	208V	240V	277V
10	*	2.2	1.6	1.5	1.5
30	*	7.5	5.0	5.0	4.9
35	*	8.2	5.5	5.3	5.3

* The ECM is a variable horsepower motor.
Refer to Selectworks schedule for actual power consumption.
FLA = Full load amperage.
All motors are single phase/60 Hz.

NOTES:

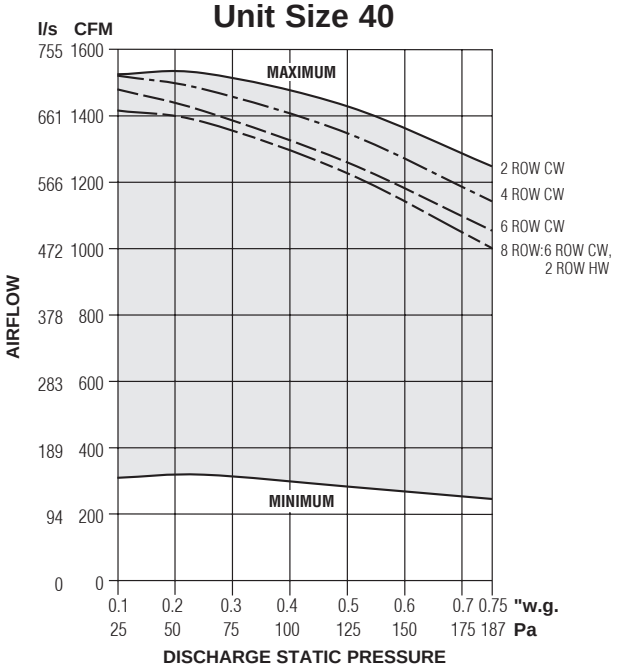
- The ECM is pressure independent and constant volume in operation at factory or field set point within the shaded area. When the setpoint is on or below the respective maximum curve, airflow does not vary with changing static pressure conditions. The motor compensates for any changes in external static pressure or induced air conditions such as filter loading.
- Fan curves shown are applicable to 120, 208, 240 and 277 volt, single phase ECM's. ECM's, although DC in operation, include a built-in AC/DC converter.
- Minimum operation within the dark shaded area is not predictable.

Performance Data

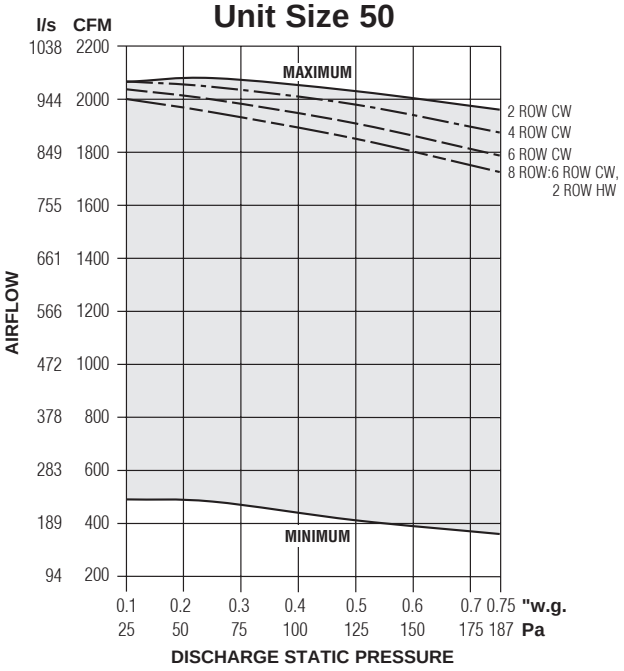
ECM Motor Fan Curves – Airflow vs. Downstream Static Pressure

33SZ Series • FPCWTU (DOAS)

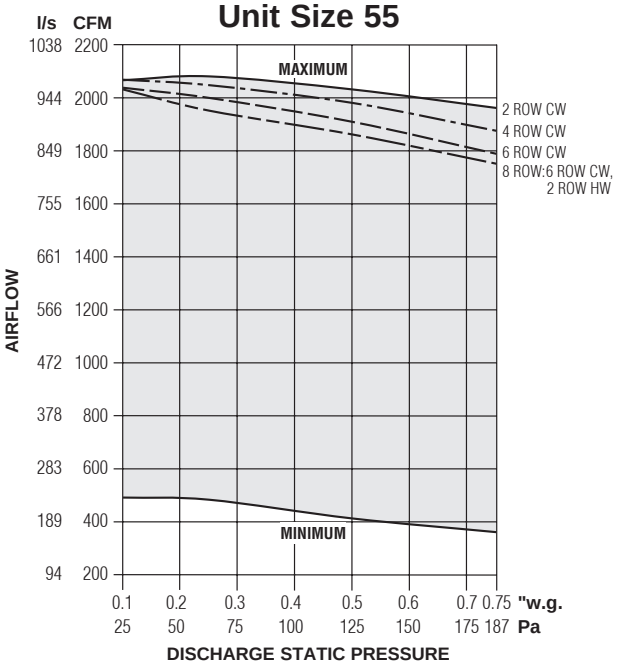
Unit Size 40



Unit Size 50



Unit Size 55



Electrical Data

Unit Size	EPIC ECM Motor FLA				
	Motor HP	120V	208V	240V	277V
40	*	6.5	4.3	4.2	4.2
50	*	10.5	6.8	6.2	6.0
55	*	9.5	6.4	6.2	6.0

* The ECM is a variable horsepower motor.
Refer to Selectworks schedule for actual power consumption.
FLA = Full load amperage.
All motors are single phase/60 Hz.

NOTES:

- The ECM is pressure independent and constant volume in operation at factory or field set point within the shaded area. When the setpoint is on or below the respective maximum curve, airflow does not vary with changing static pressure conditions. The motor compensates for any changes in external static pressure or induced air conditions such as filter loading.
- Fan curves shown are applicable to 120, 208, 240 and 277 volt, single phase ECM's. ECM's, although DC in operation, include a built-in AC/DC converter.
- Minimum operation within the dark shaded area is not predictable.