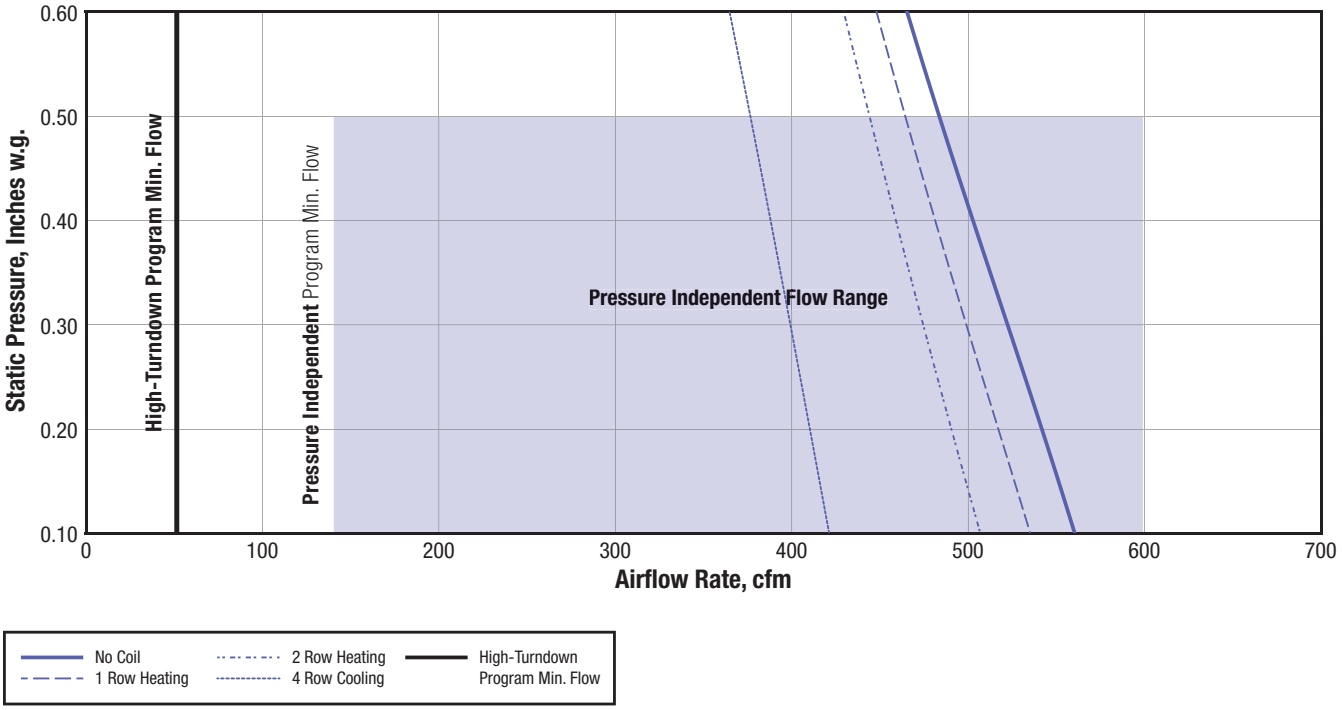
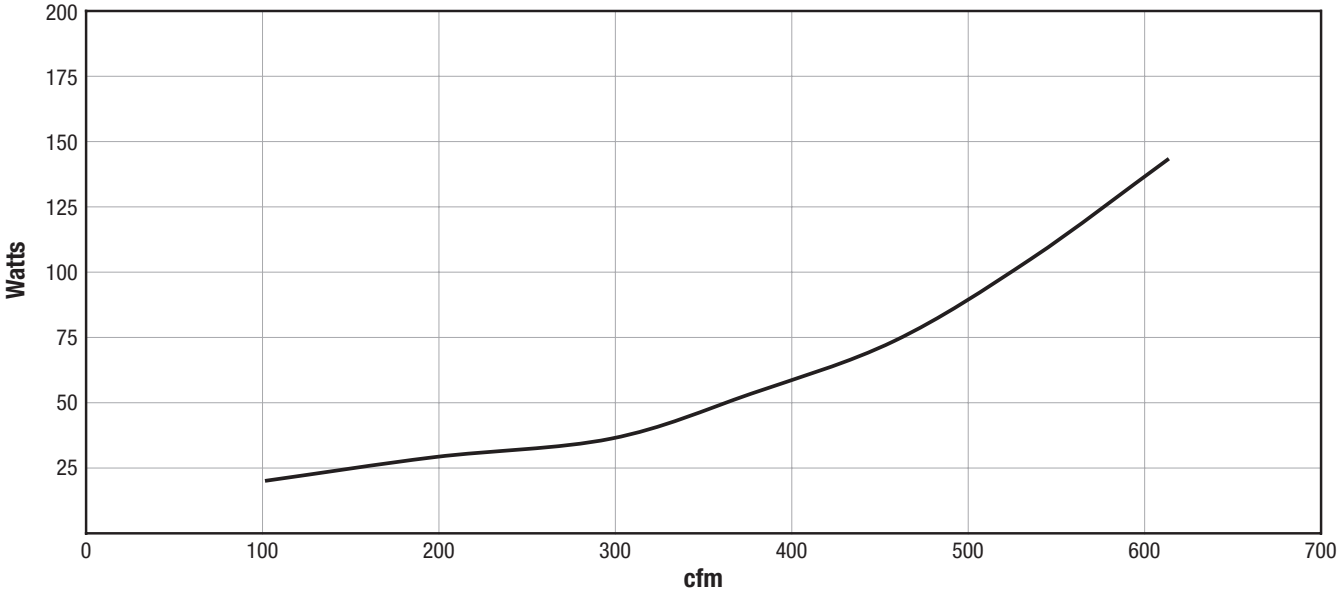
# PERFORMANCE DATA

### FDU Booster Size 10 ECM



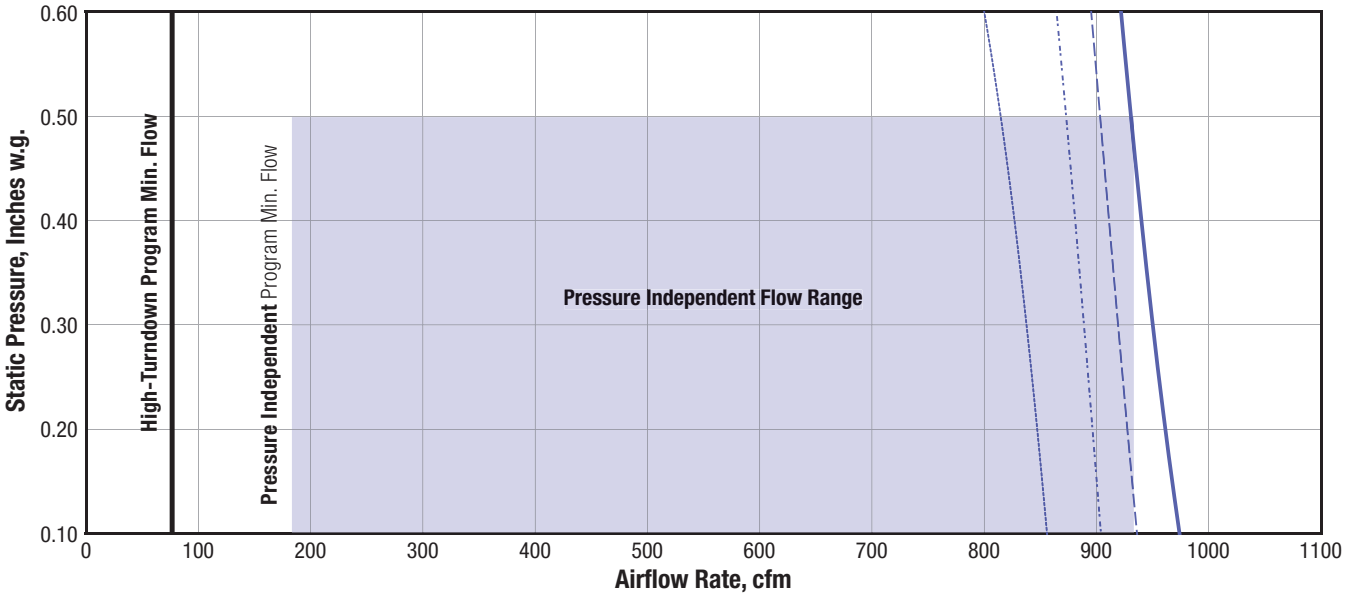

### FDU Booster Size 10 ECM – Power Consumption[1]

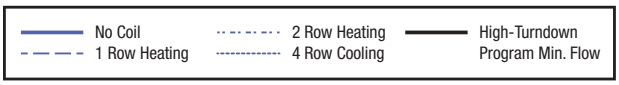



**Note:**
1. Power consumption curves tested at 0.25 in.w.g. and 277V input voltage.

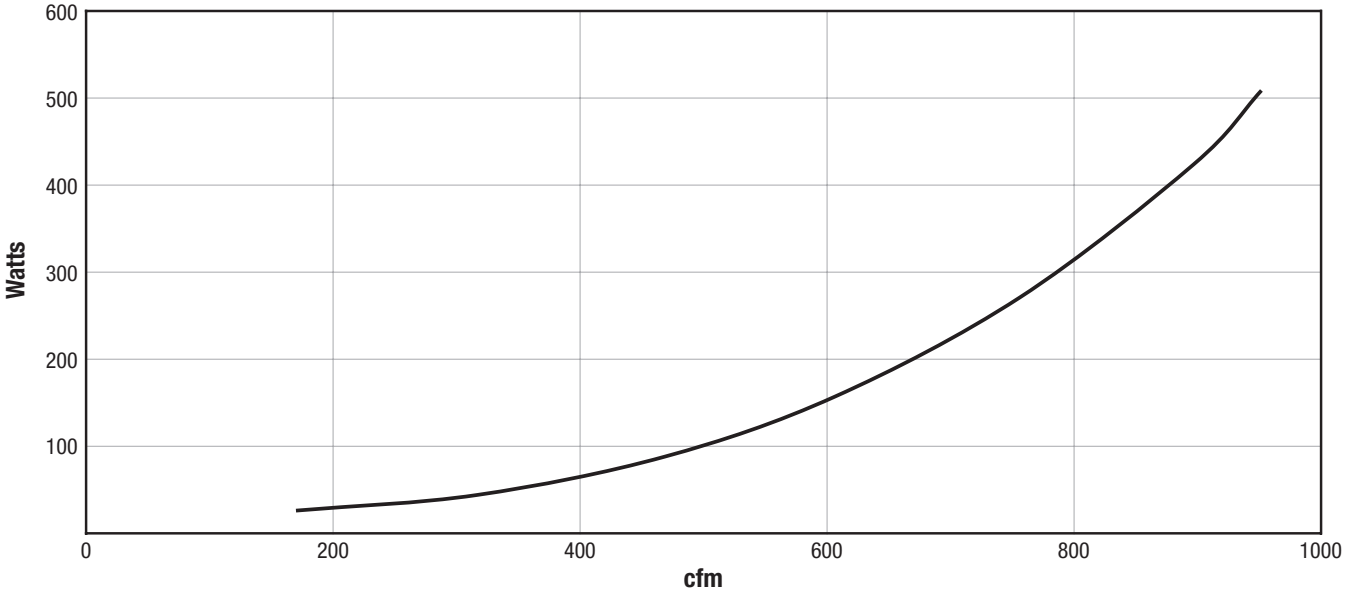
# PERFORMANCE DATA

### FDU Booster Size 20 ECM



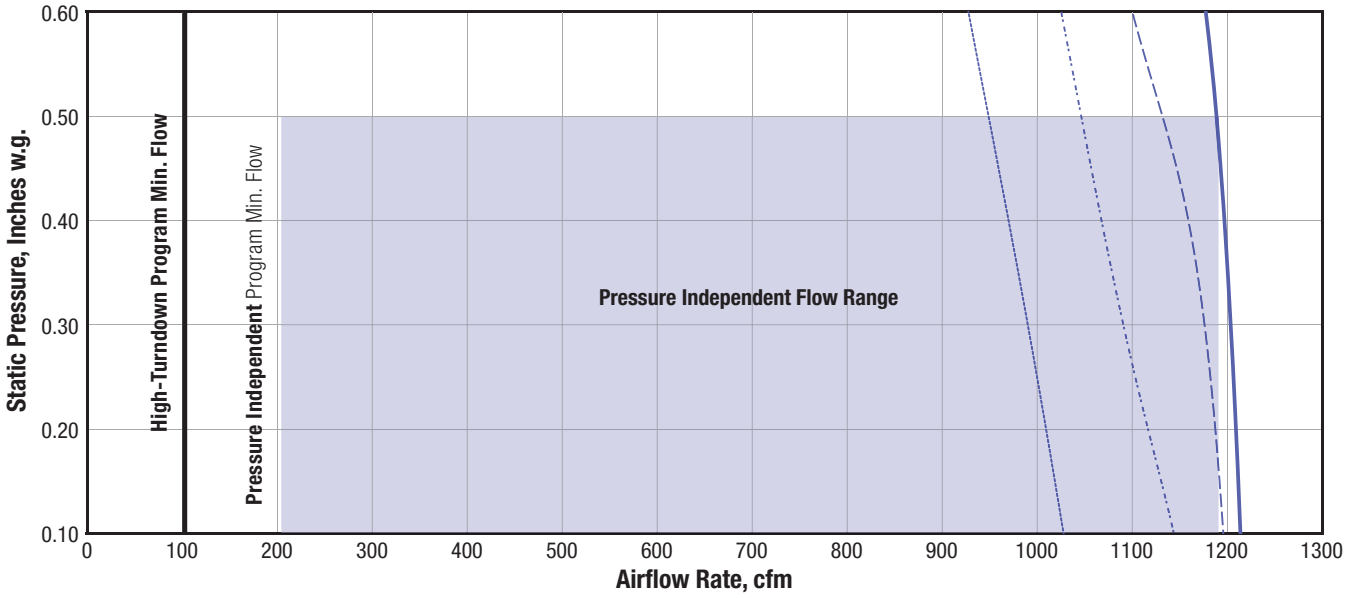

### FDU Booster Size 20 ECM – Power Consumption[1]



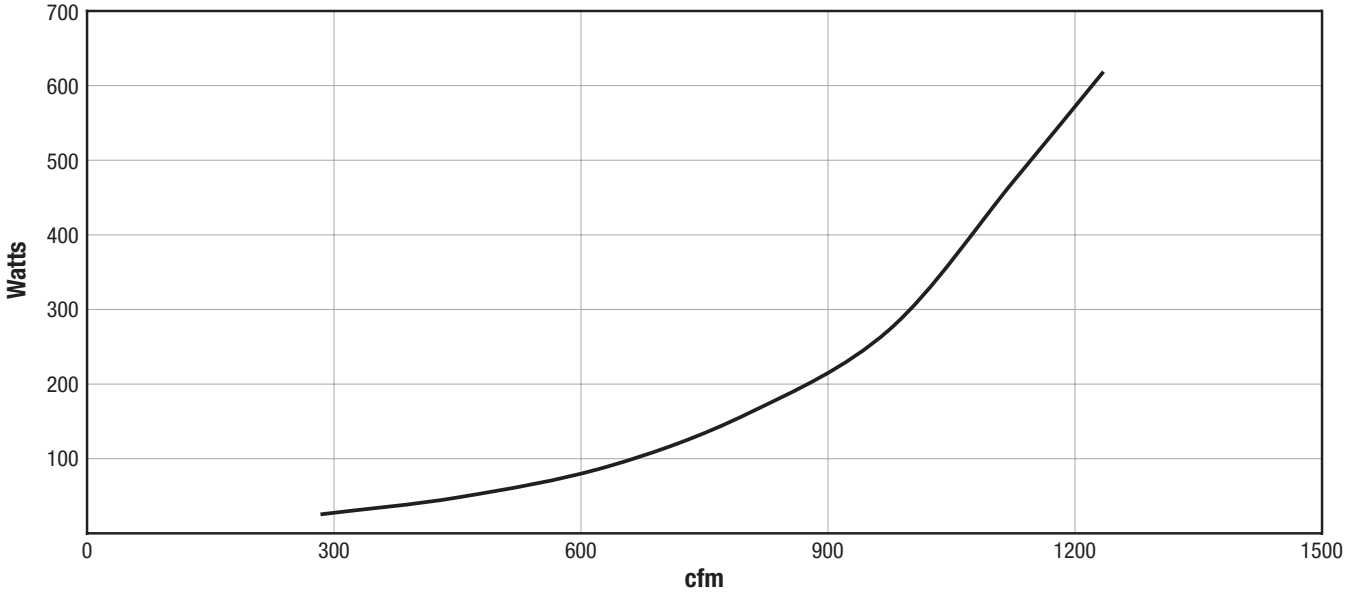

**Note:**
1. Power consumption curves tested at 0.25 in.w.g. and 277V input voltage.

# PERFORMANCE DATA

### FDU Booster Size 30 ECM



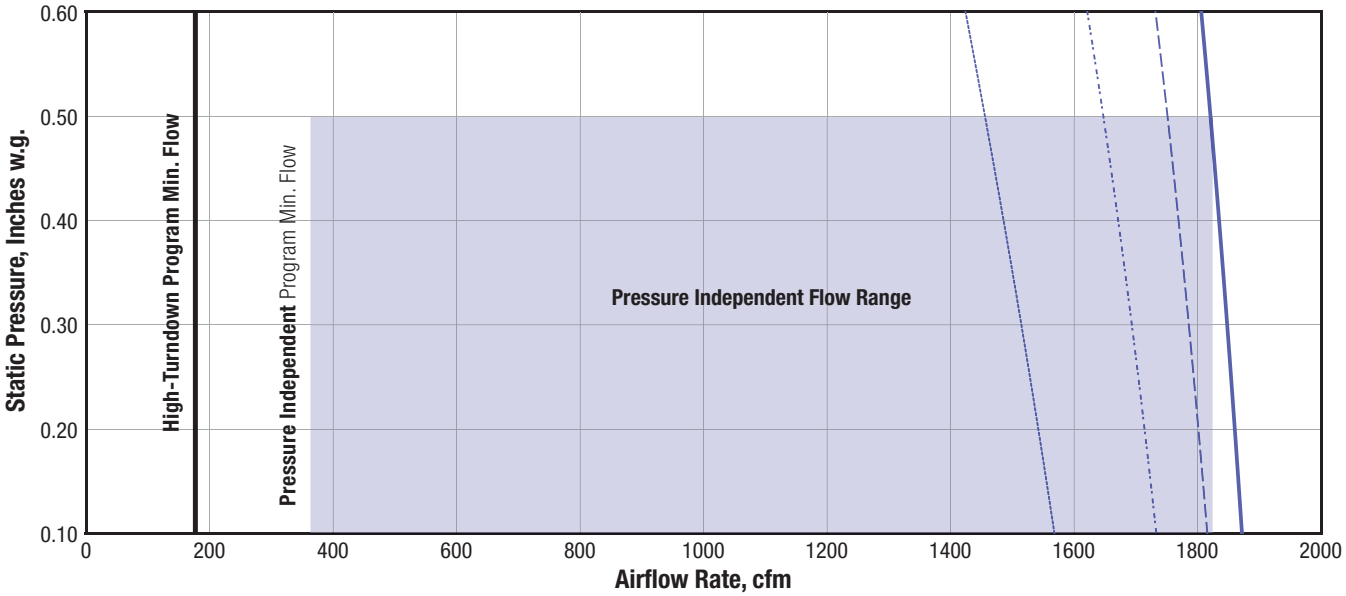

### FDU Booster Size 30 ECM – Power Consumption[1]

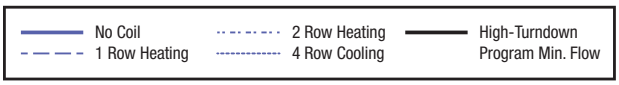



**Note:**
1. Power consumption curves tested at 0.25 in.w.g. and 277V input voltage.

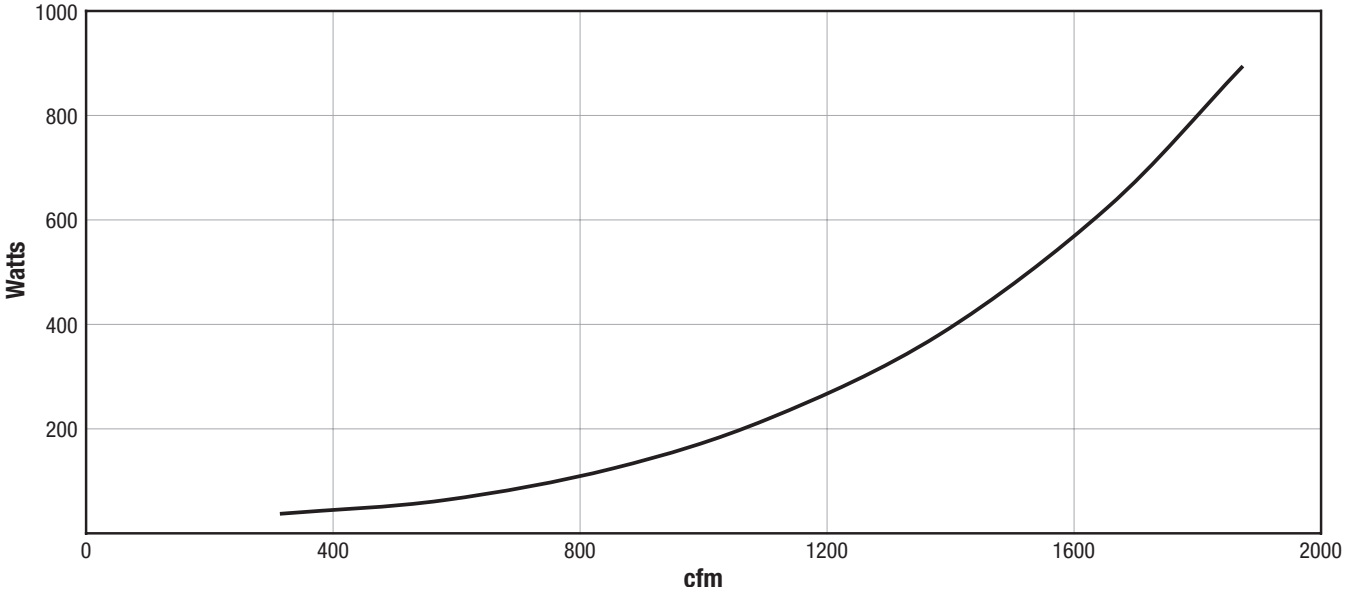
# PERFORMANCE DATA

### FDU Booster Size 40 ECM



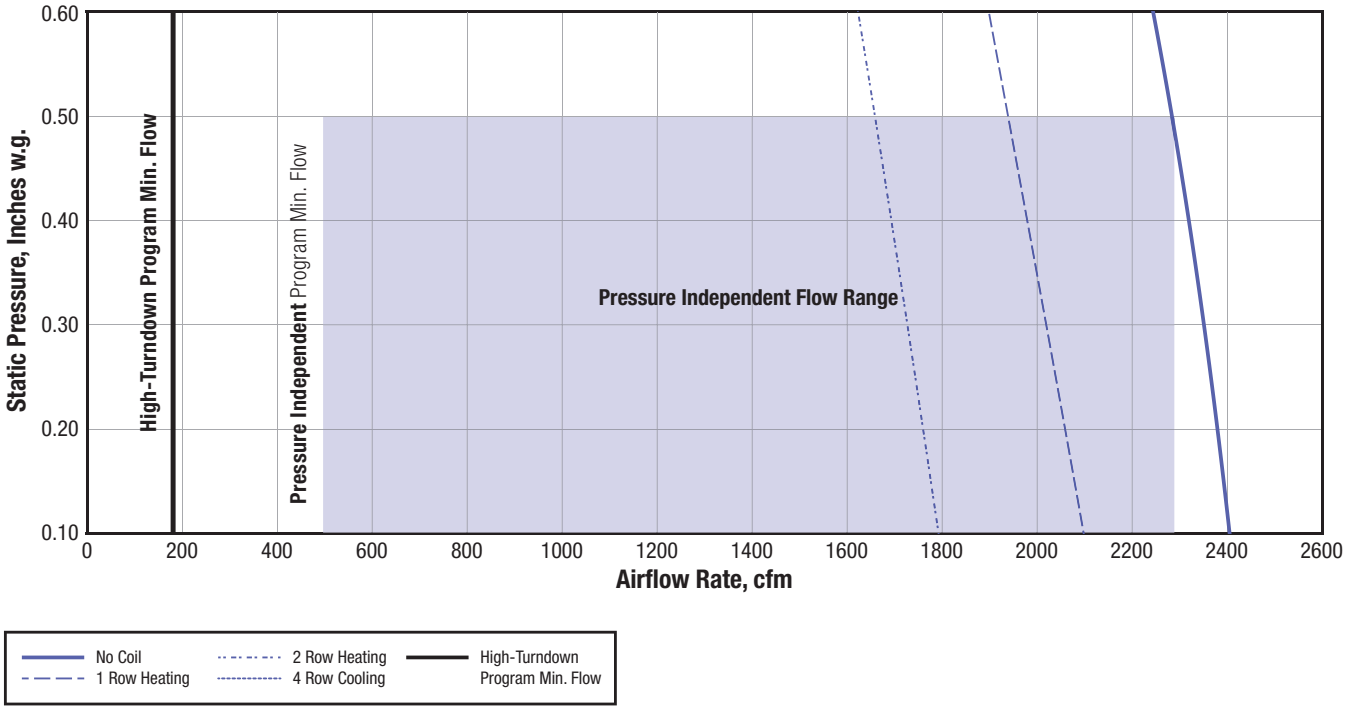

### FDU Booster Size 40 ECM – Power Consumption[1]



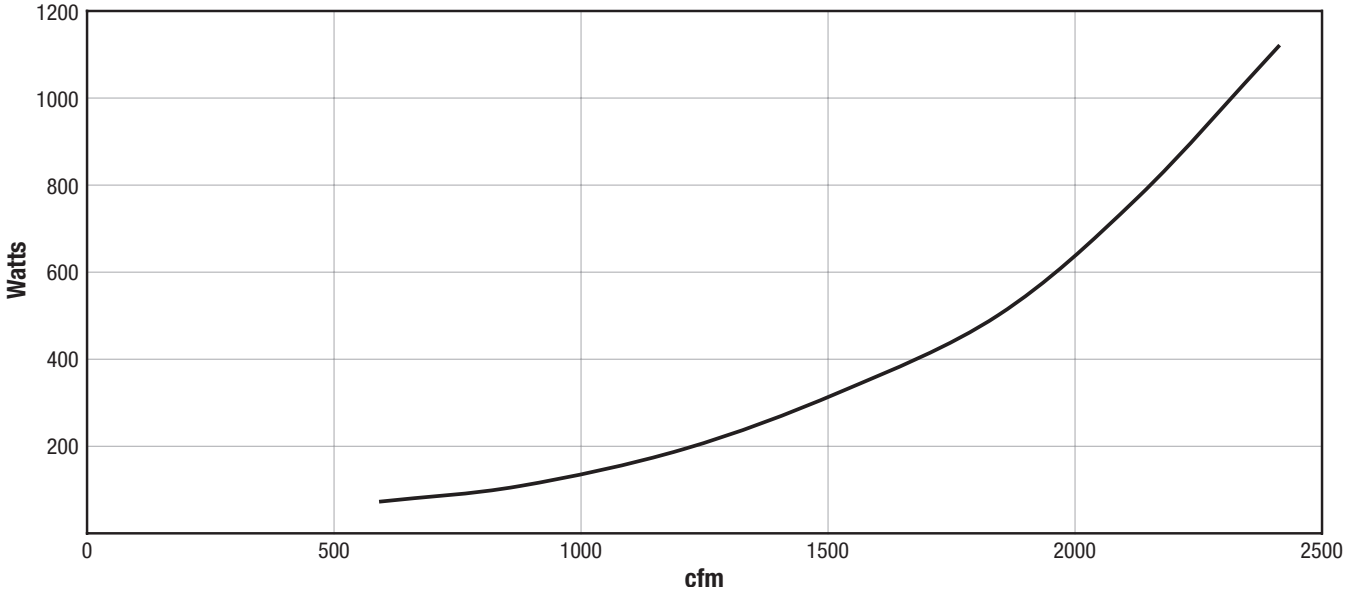

**Note:**
1. Power consumption curves tested at 0.25 in.w.g. and 277V input voltage.

# PERFORMANCE DATA

### FDU Booster Size 50 ECM



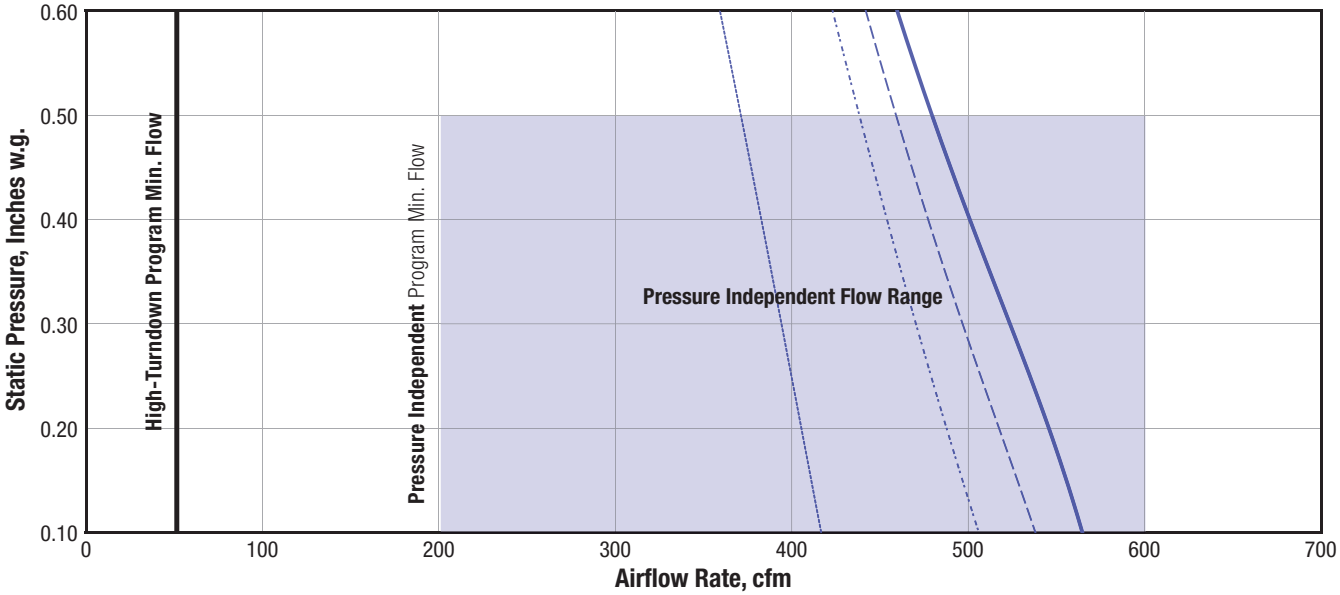

### FDU Booster Size 50 ECM – Power Consumption[1]

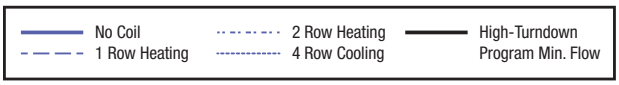



**Note:**
1. Power consumption curves tested at 0.25 in.w.g. and 277V input voltage.

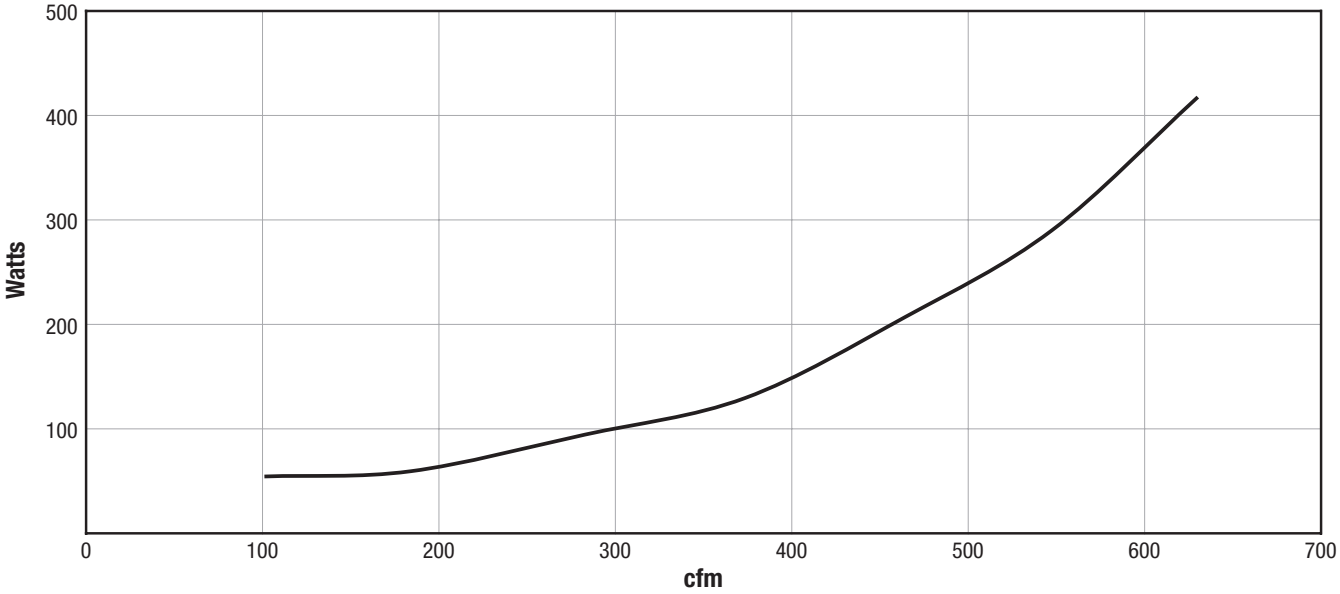
# PERFORMANCE DATA

### FDU Terminal Size 10 ECM



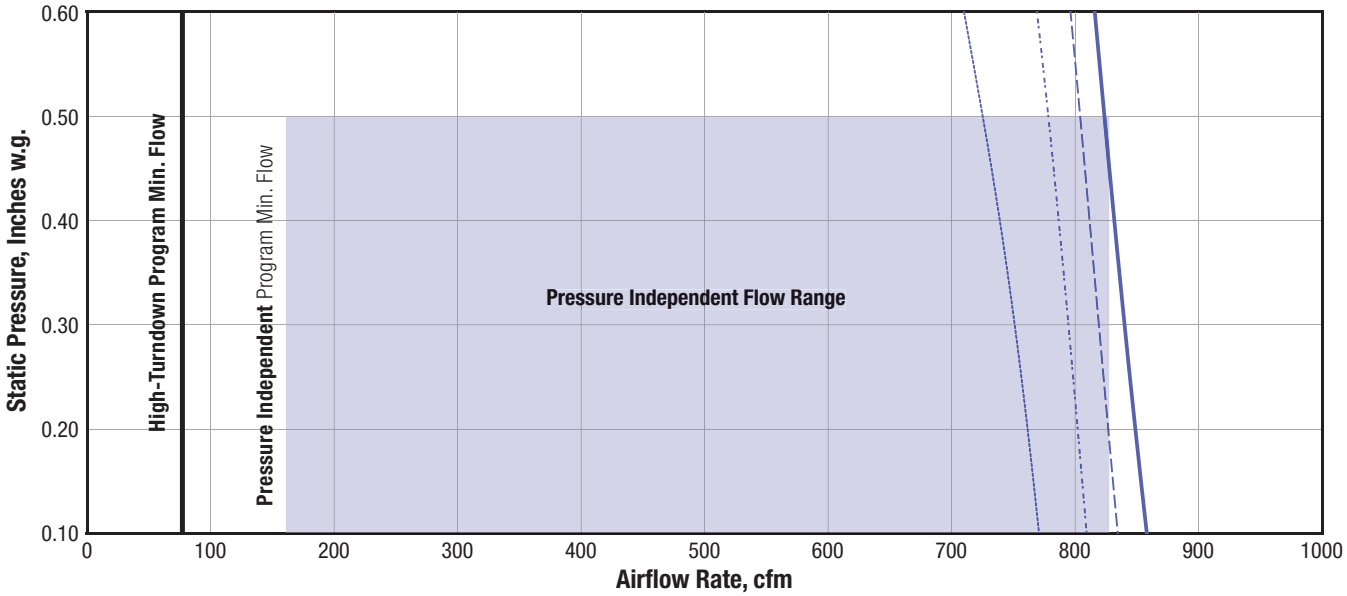

### FDU Terminal Size 10 ECM – Power Consumption[1]

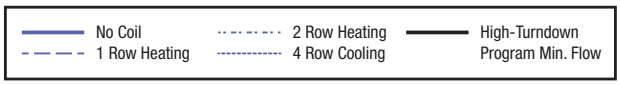



**Note:**
1. Power consumption curves tested at 0.25 in.w.g. and 277V input voltage.

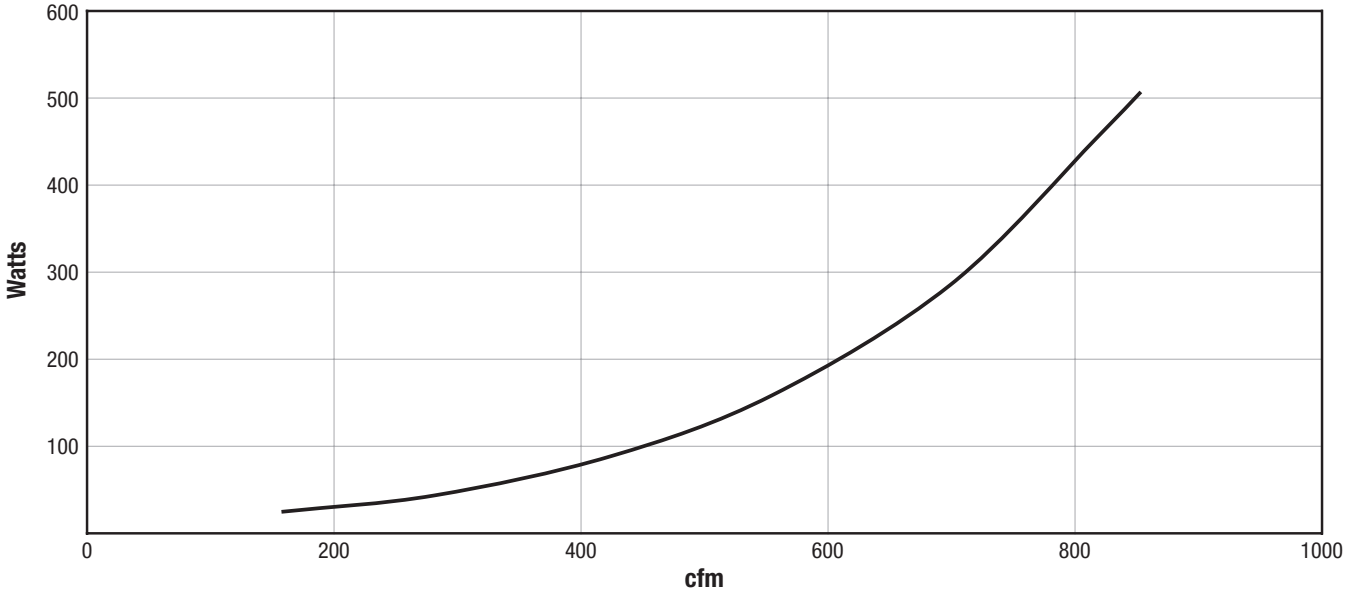
# PERFORMANCE DATA

### FDU Terminal Size 20 ECM



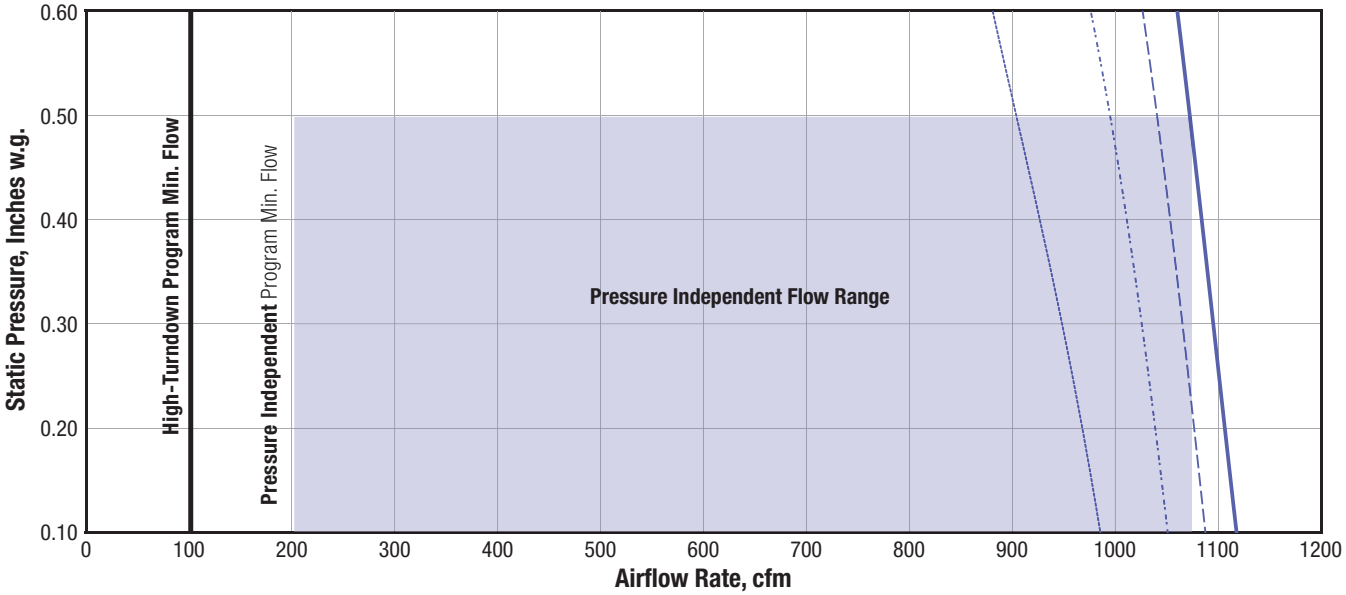

### FDU Terminal Size 20 ECM – Power Consumption[1]

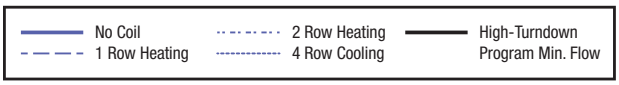



**Note:**
1. Power consumption curves tested at 0.25 in.w.g. and 277V input voltage.

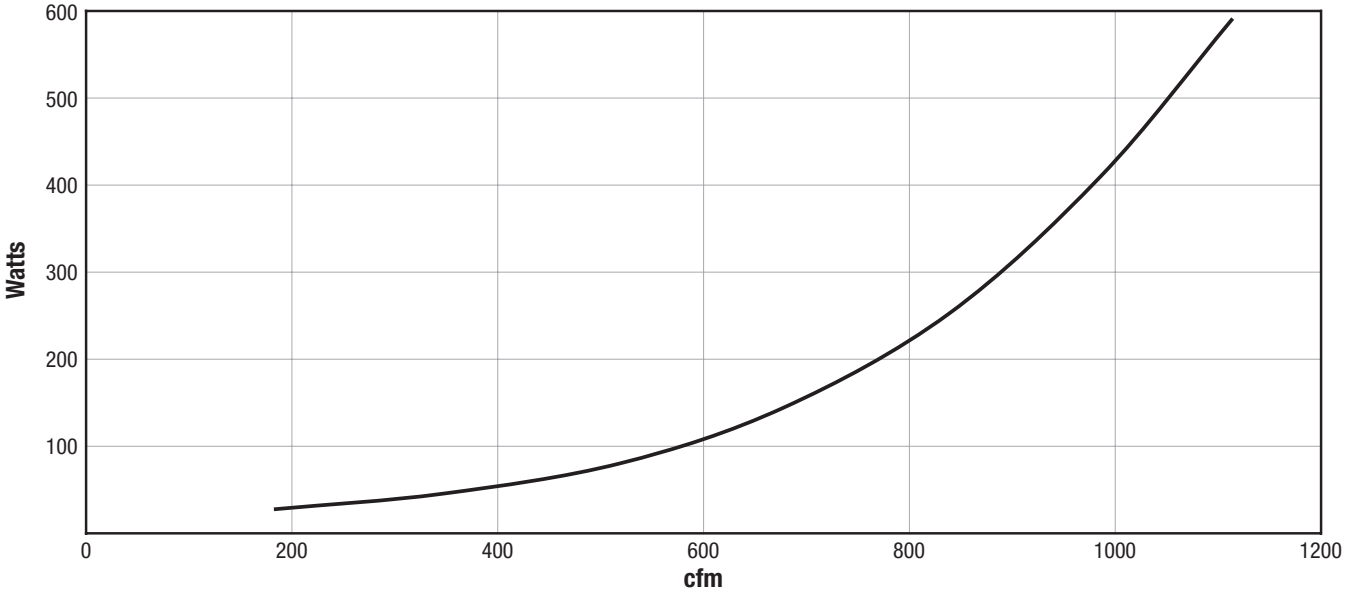
# PERFORMANCE DATA

### FDU Terminal Size 30 ECM



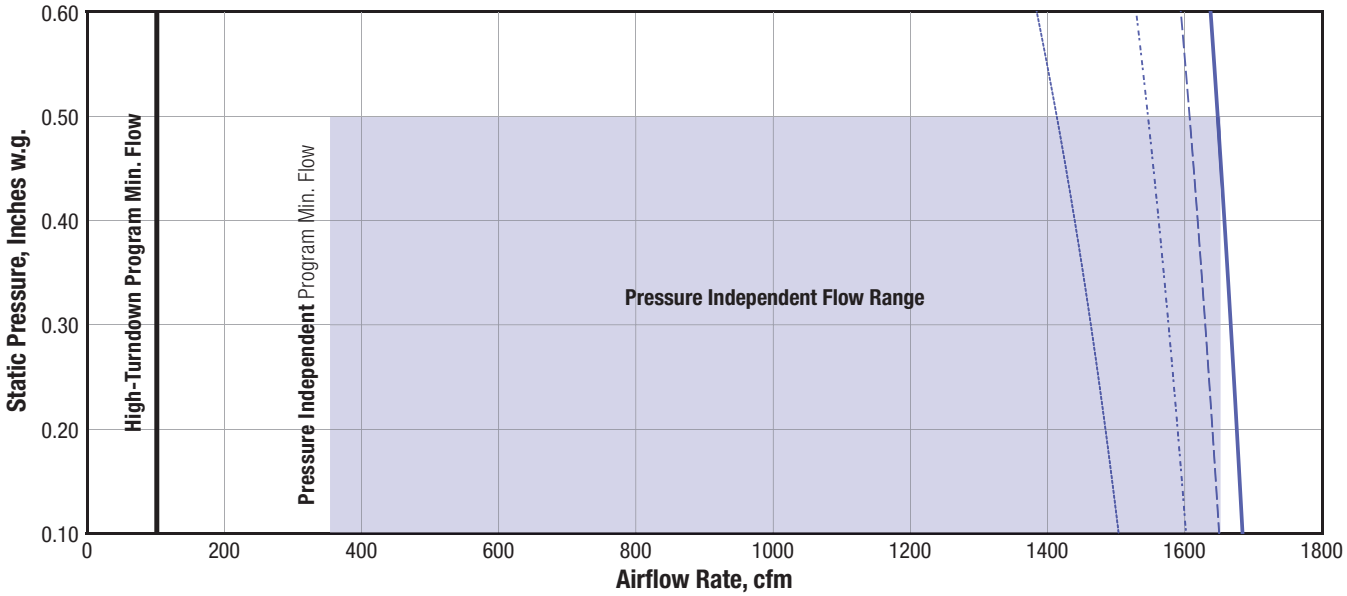

### FDU Terminal Size 30 ECM – Power Consumption[1]

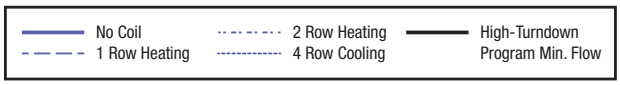



**Note:**
1. Power consumption curves tested at 0.25 in.w.g. and 277V input voltage.

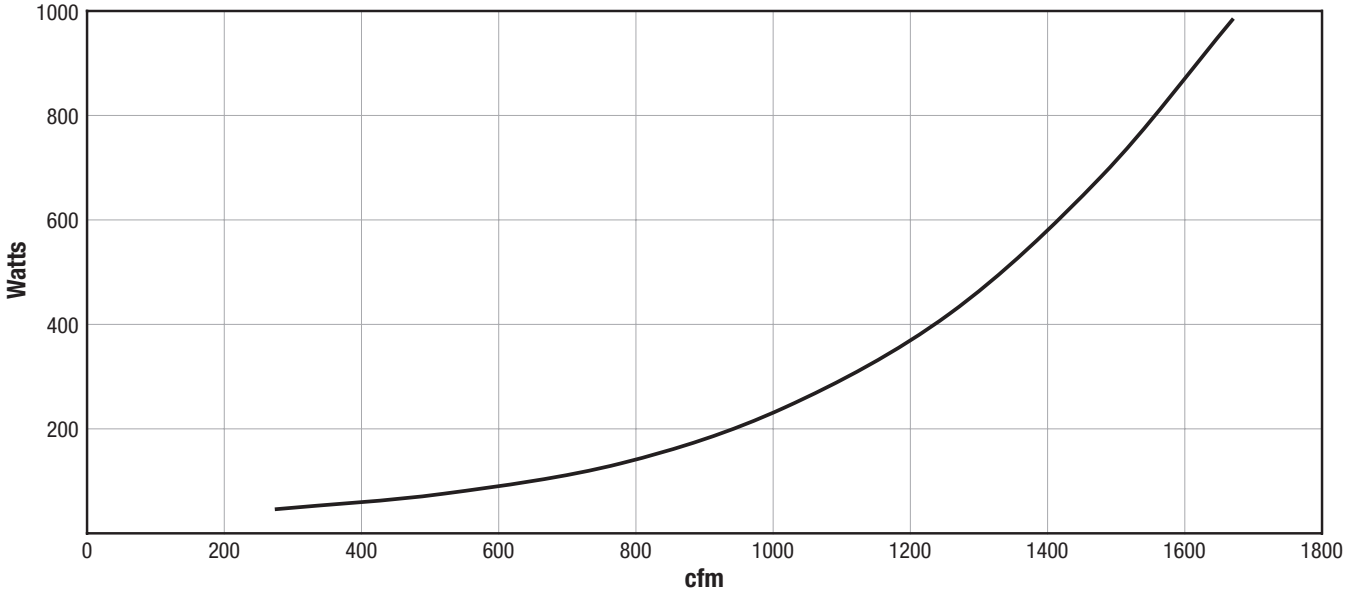
# PERFORMANCE DATA

### FDU Terminal Size 40 ECM




### FDU Terminal Size 40 ECM – Power Consumption[1]




**Note:**
1. Power consumption curves tested at 0.25 in.w.g. and 277V input voltage.

# PERFORMANCE DATA

## FDU Booster Configuration

### ECM Capacities

| Unit Size | Fan Airflow (CFM) | | Motor HP | Full Load Amps (FLA) | | | |
|---|---|---|---|---|---|---|---|
| | Minimum[2] | Maximum[3] | | 115V | 208V | 240V | 277V |
| 10 | 50 | 600 | 1/3 | 2.85 | 1.87 | 1.65 | 1.47 |
| 20 | 75 | 995 | 1/3 | 6.7 | 4.23 | 3.73 | 3.52 |
| 30 | 100 | 1230 | 1/2 | 7.55 | 5.2 | 4.59 | 4.2 |
| 40 | 175 | 1880 | 3/4 | 10.97 | 7 | 6.18 | 5.85 |
| 50 | 175 | 2400 | 2 X 1/2 | 13.33 | 9.2 | 8.12 | 7.49 |

### EC Max KW[4] – Single Point Power

| Unit Size | 1 Phase Voltage | | | | | 3 Phase Voltage | | |
|---|---|---|---|---|---|---|---|---|
| | 120 | 208 | 240 | 277 | 480 | 208 | 480 | 600[5] |
| 10 | 5.4 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | DP |
| 20 | 4.9 | 9.1 | 10.6 | 12 | 12.5 | 13.2 | 13.2 | DP |
| 30 | 4.8 | 8.9 | 10.4 | 12.1 | 17.1 | 15.4 | 17.1 | DP |
| 40 | 4.4 | 8.5 | 10 | 11.7 | 20.2 | 14.7 | 23.7 | DP |
| 50 | 4.1 | 8 | 9.5 | 11.2 | 19.4 | 13.9 | 32.9 | DP |

### EC Max KW[4] – Dual Point Power

| Unit Size | 1 Phase Voltage | | | | | 3 Phase Voltage | | |
|---|---|---|---|---|---|---|---|---|
| | 120 | 208 | 240 | 277 | 480 | 208 | 480 | 600[5] |
| 10 | 5.7 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 20 | 5.7 | 9.9 | 11.5 | 12 | 12.5 | 13.2 | 13.2 | 13.2 |
| 30 | 5.7 | 9.9 | 11.5 | 13.2 | 17.1 | 17.1 | 17.1 | 17.1 |
| 40 | 5.7 | 9.9 | 11.5 | 13.2 | 23 | 17.2 | 25.9 | 25.9 |
| 50 | 5.7 | 9.9 | 11.5 | 13.2 | 23 | 17.2 | 32.9 | 32.9 |

## FDU Terminal Configuration

### ECM Capacities

| Unit Size | Inlet Size | Primary Airflow (CFM) | | Fan Airflow (CFM) | | Motor HP | Full Load Amps (FLA) | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Minimum | Maximum | Minimum[2] | Maximum[3] | | 115V | 208V | 240V | 277V |
| 10 | 4" | 50 | 400 | 50 | 600 | 1/3 | 2.92 | 1.88 | 1.66 | 1.59 |
| | 5" | 63 | 500 | | | | | | | |
| | 6" | 66 | 550 | | | | | | | |
| 20 | 4" | 50 | 400 | 75 | 880 | 1/3 | 6.74 | 4.26 | 3.76 | 3.57 |
| | 5" | 63 | 500 | | | | | | | |
| | 6" | 66 | 550 | | | | | | | |
| 30 | 5" | 63 | 500 | 100 | 1150 | 1/2 | 7.39 | 4.72 | 4.17 | 4.04 |
| | 6" | 66 | 550 | | | | | | | |
| | 8" | 132 | 1100 | | | | | | | |
| 40 | 6" | 66 | 550 | 100 | 1700 | 3/4 | 11.08 | 7.06 | 6.23 | 5.74 |
| | 8" | 132 | 1100 | | | | | | | |
| | 10" | 221 | 1700[1] | | | | | | | |

### EC Max KW[4] – Single Point Power

| Unit Size | 1 Phase Voltage | | | | | 3 Phase Voltage | | |
|---|---|---|---|---|---|---|---|---|
| | 120 | 208 | 240 | 277 | 480 | 208 | 480 | 600 |
| 10 | 5.4 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | DP |
| 20 | 4.9 | 9 | 10.6 | 11.8 | 11.8 | 11.8 | 11.8 | DP |
| 30 | 4.8 | 9 | 10.5 | 12.1 | 15 | 15 | 15 | DP |
| 40 | 4.4 | 8.5 | 10 | 11.7 | 20.2 | 14.7 | 23.7 | DP |

### EC Max KW[4] – Dual Point Power

| Unit Size | 1 Phase Voltage | | | | | 3 Phase Voltage | | |
|---|---|---|---|---|---|---|---|---|
| | 120 | 208 | 240 | 277 | 480 | 208 | 480 | 600[5] |
| 10 | 5.7 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 20 | 5.7 | 9.9 | 11.5 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 30 | 5.7 | 9.9 | 11.5 | 13.2 | 15 | 15 | 15 | 15 |
| 40 | 5.7 | 9.9 | 11.5 | 13.2 | 23 | 17.2 | 23.7 | 23.7 |

**Performance Notes:**

1. Maximum primary airflow is limited by maximum fan airflow.
2. Minimum fan airflow is with High Turndown Flow (HTF) motor program
3. Maximum fan airflow values is with base assembly (no coil, no filter) and downstream static pressure of 0.1 in. w.g
4. EC max kW shown is for 1 stage. Up to 3 stage EC is also available.
5. DP means that voltage only offered with dual point power.