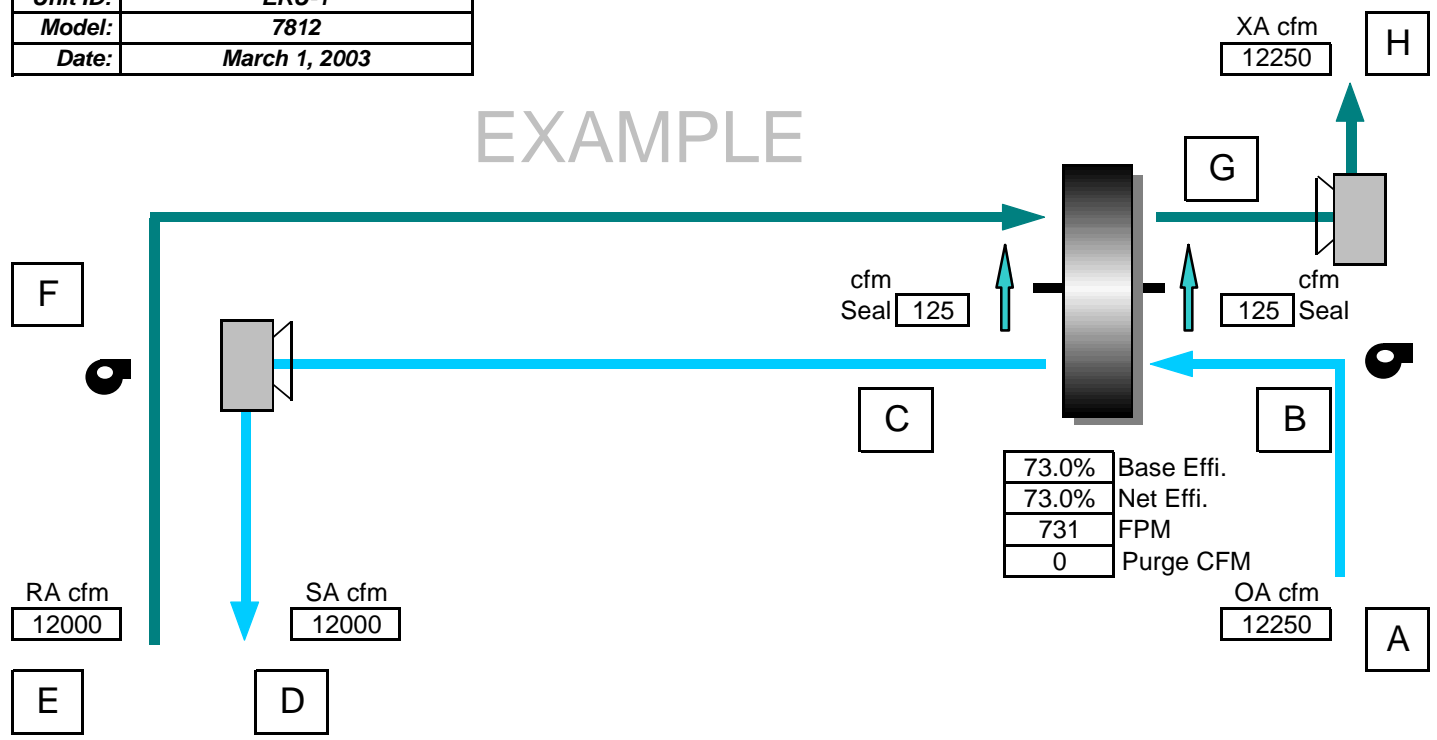


Flow Diagram-ERV EXAMPLE

| | |
|----------|---------------|
| Unit ID: | ERU-1 |
| Model: | 7812 |
| Date: | March 1, 2003 |

EXAMPLE



Cooling

| | A | B | C | D | E | F | G | H |
|----------|-----------|--------------|--------------|-----------|-----------|--------------|--------------|-----------|
| db | 98.0 | 99.0 | 82.2 | 83.2 | 75.0 | 76.0 | 92.8 | 93.8 |
| wb | 78.7 | 78.9 | 67.7 | 68.0 | 62.4 | 62.8 | 75.1 | 75.4 |
| RH% | 43.0 | 41.7 | 47.8 | 46.2 | 49.7 | 48.1 | 44.5 | 43.1 |
| Btu/Lbs. | 42.1 | 42.4 | 32.1 | 32.4 | 28.1 | 28.4 | 38.6 | 38.8 |
| gr./lbs. | 118.0 | 118.0 | 79.2 | 79.2 | 64.8 | 64.8 | 103.6 | 103.6 |
| | OA EAT | Motor LAT | Rotor LAT | SA LAT | RA EAT | Motor LAT | Rotor LAT | XA LAT |

45.0 TONS OF FREE COOLING (BERI Unit)

0.0 indicates not calculated

Heating

| | A | B | C | D | E | F | G | H |
|----------|-----------|--------------|--------------|-----------|-----------|--------------|--------------|-----------|
| db | 0.0 | 1.0 | 52.1 | 53.1 | 70.0 | 71.0 | 19.9 | 20.9 |
| wb | -1.2 | -0.4 | 44.9 | 45.4 | 55.7 | 56.1 | 19.5 | 20.2 |
| RH% | 59.7 | 56.6 | 56.6 | 54.6 | 39.9 | 38.6 | 94.4 | 90.0 |
| Btu/Lbs. | 0.5 | 0.7 | 17.6 | 17.8 | 23.6 | 23.9 | 6.9 | 7.2 |
| gr./lbs. | 3.3 | 3.3 | 32.8 | 32.8 | 43.7 | 43.7 | 14.2 | 14.2 |
| | OA EAT | Motor LAT | Rotor LAT | SA LAT | RA EAT | Motor LAT | Rotor LAT | XA LAT |

922456 BTUH OF FREE LATENT HEATING (BERI Unit)

678342 BTUH OF FREE SENSIBLE HEATING (BERI Unit)

0.0 indicates not calculated

Yes Defrost Heater required