

## Data for Models 2530-2A-24 and 2530-2B-24 Two-Station Branched Combiners

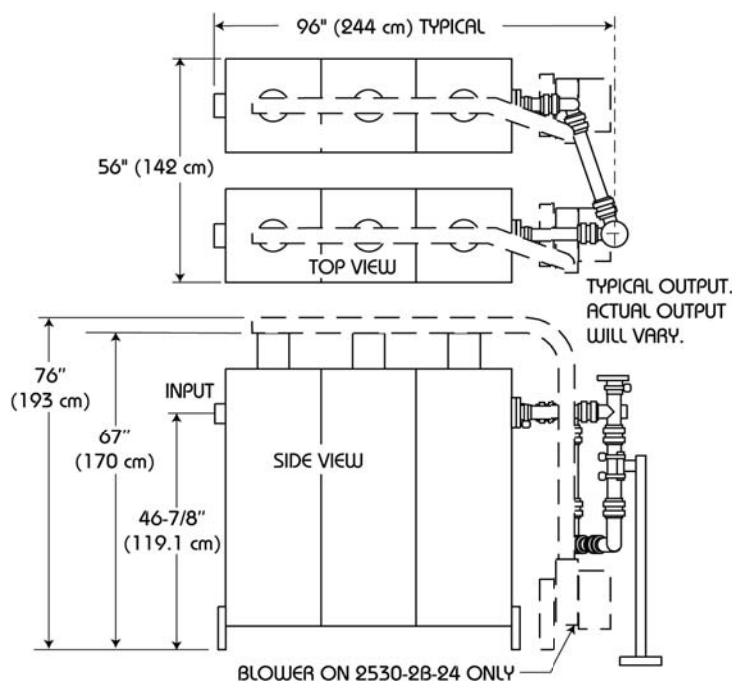
### Performance Specifications

|  |                    |          |
|--|--------------------|----------|
| Type:  | Resonant Cavity    |          |
| Size:  | 24"                |          |
| No. of Cavities per Station:                                 | 3                  |          |
| Typical VSWR   | at $\pm 100$ kHz:  | 1.04:1   |
|  | at $\pm 150$ kHz:  | 1.06:1   |
|  | at $\pm 200$ kHz:  | 1.10:1   |
| Typical Insertion Loss:                                      | -0.25 dB           |          |
| Typical Frequency Response (deviation from center frequency) | at $\pm 100$ kHz:  | -0.04 dB |
|  | at $\pm 150$ kHz:  | -0.08 dB |
|  | at $\pm 200$ kHz:  | -0.10 dB |
| Typical Group Delay (deviation from center frequency)        | at $\pm 100$ kHz:  | 25 nsec  |
|  | at $\pm 150$ kHz:  | 50 nsec  |
|  | at $\pm 200$ kHz:  | 200 nsec |
| Typical Bandwidth:   | $\pm 200$ kHz      |          |
| Spur Rejection, 800 kHz or greater:                          | Greater than 80 dB |          |

### Inputs, Outputs, and Weight:

|                      | Model 2530-2A-24 | Model 2530-2B-24 |
|----------------------|------------------|------------------|
| Maximum Input Power: | 30 kW            | 50 kW            |
| Cooling:             | Convection       | Forced Air       |
| Inputs:              | 3-1/8" EIA       | 4-1/16"          |
| Outputs:             | 3-1/8" EIA       | 6-1/8" EIA       |
| Shipping Weight:     | 1060 lb (482 kg) | 1160 lb (527 kg) |

### Dimensions:



Document No. ds-2530-2-24 (110601)

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