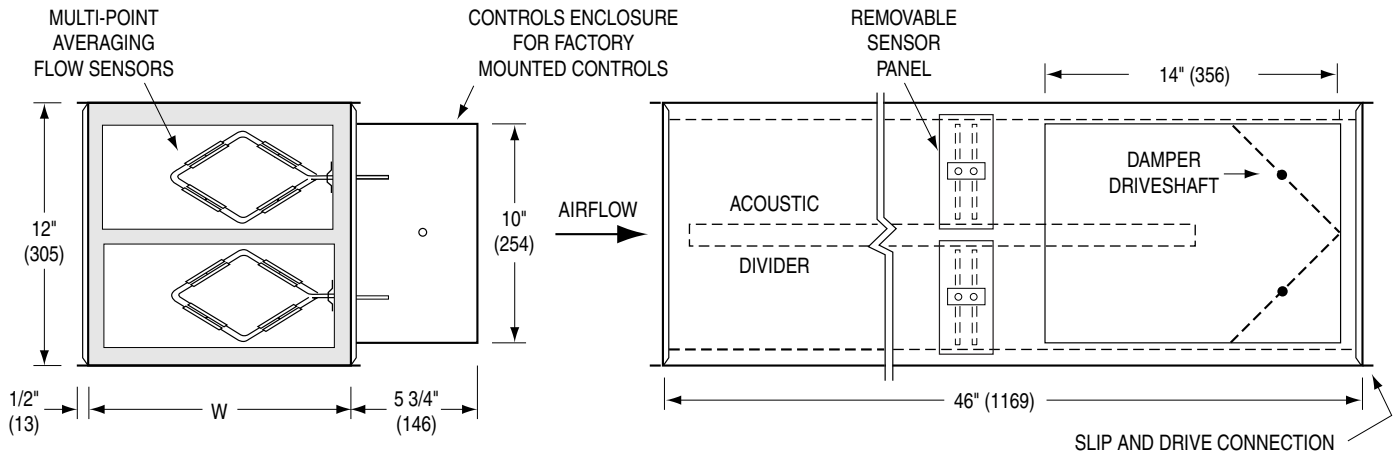




**SINGLE DUCT TERMINAL UNIT
FOR EXHAUST APPLICATIONS**
DIGITAL CONTROL • VARIABLE OR CONSTANT VOLUME
MODEL: D30SR



Unit Size	Recommended Min. - Max. Airflow Range*		W Width	
	cfm	l/s	inches	mm
1	270 - 1500	127 - 708	12	305
2	320 - 1750	151 - 826	14	356
3	375 - 2000	177 - 944	16	406
4	425 - 2250	201 - 1062	18	457
5	580 - 3000	274 - 1416	24	610
6	890 - 4500	420 - 2124	36	914
7	995 - 5000	470 - 2360	40	1016
8	1200 - 6000	566 - 2832	48	1219

* Minimum flows are based upon 0.02" w.g. differential pressure from flow sensor(s). Maximum recommended flow rates are based upon 1500 fpm nominal duct velocity for acoustical consideration. Higher velocities may be used, but sound levels will escalate and are dependent on ductwork design and attenuation. Keep static pressure below 1" w.g. wherever possible.

Suitable for use at velocities up to 3000 fpm and 6" w.g.

Standard Features:

- 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction.
- Central acoustic divider provides increased attenuation and flow straightening.
- 16 ga. (1.63) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" wg (750 Pa).
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position.
- Dual Multi-point averaging Diamond Flow Sensors for high accuracy. Aluminum construction. Supplied with balancing tees. Removable slide-in design.

- Rectangular inlet and discharge with slip and drive cleat duct connection.
- Full NEMA 1 type controls enclosure for factory mounted controls.
- 3/4" (19), dual density insulation, exposed edges coated to prevent air erosion. Meets the requirements of NFPA 90A and UL 181.
- Right-hand controls location is standard (shown) when looking in direction of airflow. Optional left hand controls mounting is available, when damper is CCW to close.

Digital Control (by others):

- Factory mount. (See separate submittal)
- Field mount.

Options and Accessories:

- Steri-liner.
 - 13/16" (21) thick, 4lb./sq.ft. (64 kg/m³) density rigid fiberglass with a fire resistant reinforced aluminum foil-scrim-kraft (FSK) facing.
 - Meets the requirements of NFPA 90A and UL 181 for smoke and flame spread and the bacteriological requirements of ASTM C665. Will not support the growth of fungi or bacteria.
 - "Notch and tuck" fabrication and full seam length Z-strip construction encapsulates raw edges.
- Fiber-Free liner.
- 24 VAC control transformer.
- Toggle disconnect switch.
- Hanger brackets.
- Controls enclosure for field mounted controls.
- Dust tight enclosure seal.
- Special Features:

Dimensions are in inches (mm).

SCHEDULE TYPE				
PROJECT				
ENGINEER	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR	4 - 30 - 02	3000	4-4-02	D30SR