

## Performance Data • AHRI Certification and Performance Notes

### 30X Series • Basic Unit

#### Fiberglass Liner

Inlet Size	Airflow		Min. Inlet $\Delta$ Ps		Discharge Sound Power Levels @ 1.5" w.g. (375 Pa) $\Delta$ Ps							Radiated Sound Power Levels @ 1.5" w.g. (375 Pa) $\Delta$ Ps						
					Octave Band							Octave Band						
	cfm	l/s	"w.g.	Pa	2	3	4	5	6	7	2	3	4	5	6	7		
<b>4</b>	150	71	0.37	92	60	57	50	50	44	41	54	45	37	31	23	19		
<b>5</b>	250	118	0.35	87	67	62	55	52	47	43	58	49	39	34	27	21		
<b>6</b>	400	189	0.30	75	71	64	56	51	48	45	62	52	41	34	28	22		
<b>7</b>	550	260	0.35	87	72	62	54	54	50	49	64	52	44	40	32	27		
<b>8</b>	700	330	0.27	67	74	63	55	52	51	50	65	53	43	36	32	27		
<b>9</b>	900	425	0.27	67	74	64	57	55	52	49	64	54	48	40	32	36		
<b>10</b>	1100	519	0.25	62	76	65	58	54	53	51	66	55	44	37	32	26		
<b>12</b>	1600	755	0.24	60	75	66	60	58	56	54	67	57	48	41	40	35		
<b>14</b>	2100	991	0.33	82	80	69	61	59	57	54	67	57	48	40	34	29		
<b>16</b>	2800	1321	0.31	77	76	67	64	60	59	56	68	57	49	41	36	31		
<b>24 x 16</b>	5350	2525	0.45	112	83	74	69	67	66	64	72	64	57	47	44	44		

#### Performance Notes for Sound Power Levels:

- Discharge sound power is the noise emitted from the unit discharge into the downstream duct. The effect of including the energy correction to the discharge SWL, is higher sound power levels when compared to previous AHRI certified data. For more information on duct end reflection calculations see AHRI Standard 880.
- Radiated sound power is the breakout noise transmitted through the unit casing walls.
- Sound power levels are in decibels, dB re  $10^{-12}$  watts.
- All sound data listed by octave bands is raw data without any corrections for room absorption or duct attenuation. Dash (-) in space indicates sound power level is less than 20 dB or equal to background.
- Minimum inlet  $\Delta$ Ps is the minimum operating pressure requirement of the unit (damper full open) and the difference in static pressure from inlet to discharge of the unit.
- Asterisk (\*) in space indicates that the minimum inlet static pressure requirement is greater than 0.5" w.g. (125 Pa) at rated airflow.
- Data derived from independent tests conducted in accordance with ANSI/ASHRAE Standard 130.