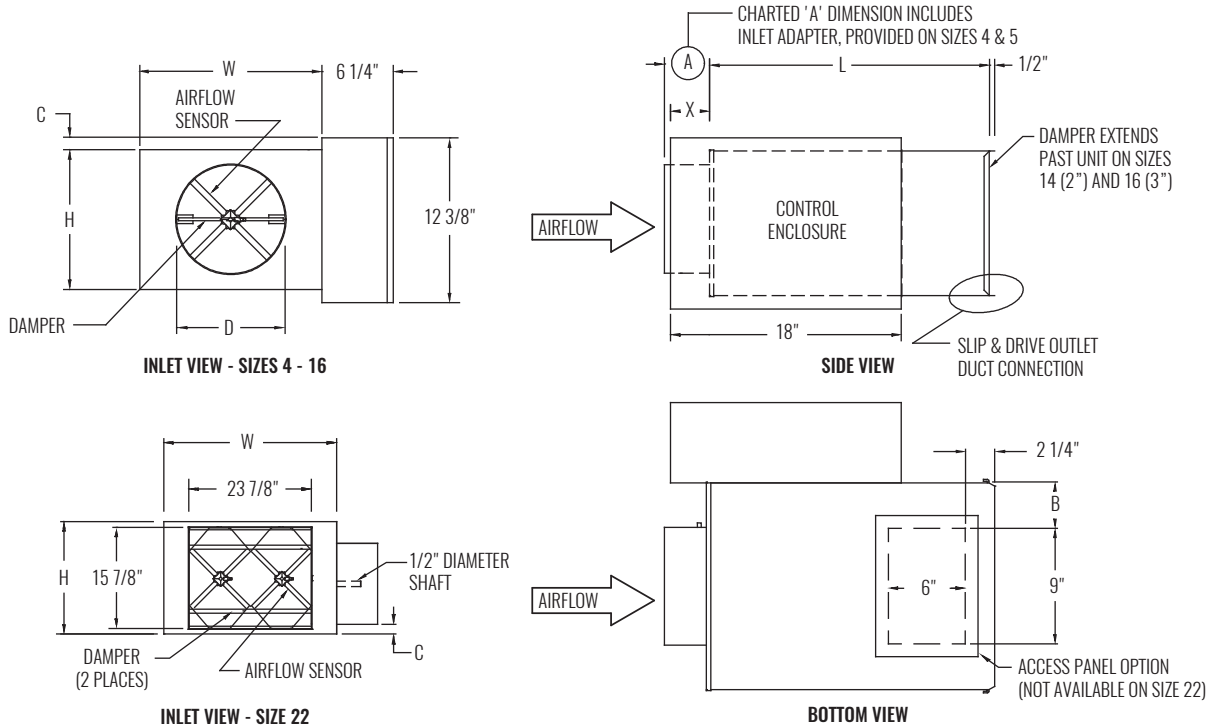


BASE UNIT | DIMENSIONAL DATA



INLET SIZE	MAX CFM [L/s]	L	W	H	A	B	C	D	X
4	230 [109]	15 1/2"	12"	8"	5 3/8"	1 1/2"	2 1/8"	3 7/8"	7 1/4"
5	360 [170]	15 1/2"	12"	8"	5 3/8"	1 1/2"	2 1/8"	4 7/8"	7 1/4"
6	515 [243]	15 1/2"	12"	8"	3 3/8"	1 1/2"	2 1/8"	5 7/8"	7 1/4"
7	700 [330]	15 1/2"	12"	10"	3 3/8"	1 1/2"	1 1/8"	6 7/8"	7 1/4"
8	920 [434]	15 1/2"	12"	10"	3 3/8"	1 1/2"	1 1/8"	7 7/8"	7 1/4"
9	1160 [547]	15 1/2"	14"	12 1/2"	3 3/8"	2 1/2"	-	8 7/8"	5 1/4"
10	1430 [675]	15 1/2"	14"	12 1/2"	3 3/8"	2 1/2"	-	9 7/8"	5 1/4"
12	2060 [972]	15 1/2"	16"	15"	3 3/8"	3 1/2"	-	11 7/8"	5 1/4"
14	2800 [1321]	15 1/2"	20"	17 1/2"	3 3/8"	5 1/2"	-	13 7/8"	3 1/4"
16	3660 [1727]	15 1/2"	24"	18"	3 3/8"	7 1/2"	-	15 7/8"	3 1/4"
22	7000 [3304]	15"	38"	18"	4 1/4"	14 1/2"	1 1/8"	SEE ABOVE	5 1/4"

NOTES: Right-hand base unit with electronic control enclosure shown; left-hand is available.

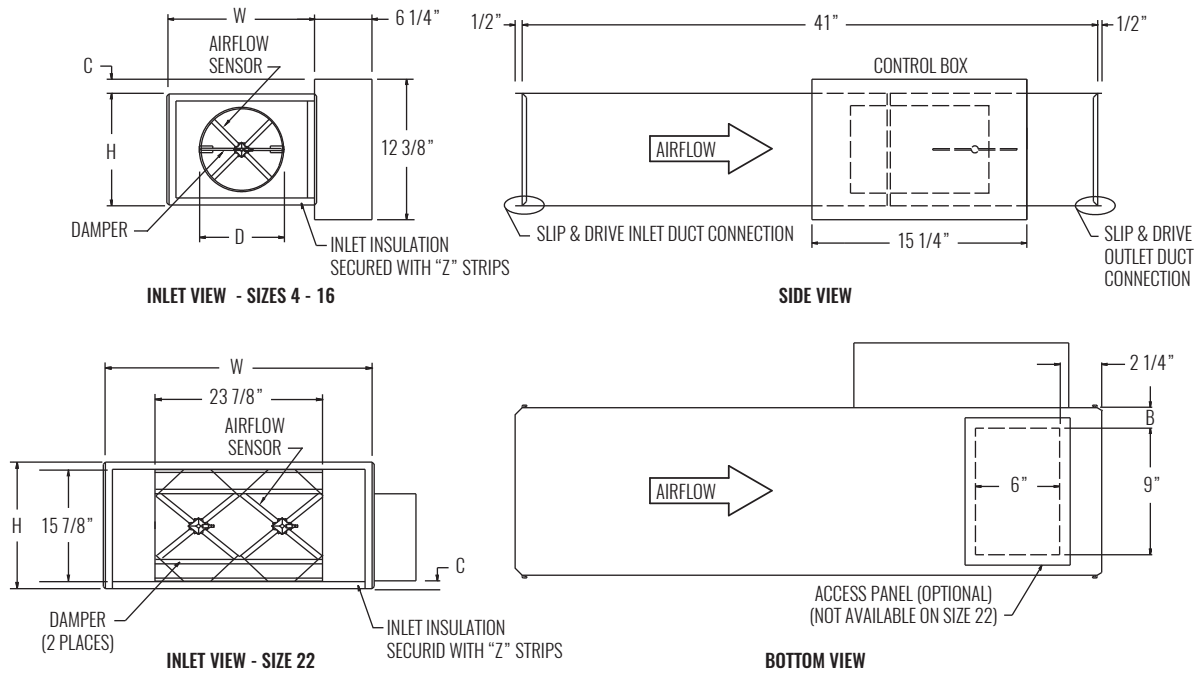
STANDARD FEATURES

- 22 Gauge galvanized steel casing construction.
- NEMA 1 steel control enclosure for electric or electronic components.
- 1/2" Thick dual density fiberglass insulation that meets NFPA 90A and UL 181 safety requirements.
- Four quadrant center averaging airflow sensor.
- Variety of pneumatic, analog, and factory mounted direct digital control packages for pressure dependent and pressure independent systems.
- ETL Listed - Adherence to UL 429 for electrically operated valves.
- AHRI certified sound ratings.

OPTIONAL FEATURES

- 20 Gauge galvanized steel casing construction.
- Liners: 1/2" or 1" Cellular Insulation, 1" Dual Density Fiberglass Insulation, Sterilwall, Steriliner, Perforated Doublewall, or no liner.
- Linear averaging airflow sensor.
- 24-volt transformer.
- Disconnect switch for electronic controls.
- Dust tight control enclosure.
- Left-hand or right-hand control enclosure.
- Bottom access panel.
- Cam locks (bottom access panel).
- Hanger brackets.

EXHAUST UNIT | DIMENSIONAL DATA



INLET SIZE	MAX CFM [L/s]	W	H	B	C	D
4	230 [109]	12"	8"	1 1/2"	2 1/8"	3 7/8"
5	360 [170]	12"	8"	1 1/2"	2 1/8"	4 7/8"
6	520 [245]	12"	8"	1 1/2"	2 1/8"	5 7/8"
7	710 [335]	12"	10"	1 1/2"	1 1/8"	6 7/8"
8	925 [437]	12"	10"	1 1/2"	1 1/8"	7 7/8"
9	1200 [566]	14"	12 1/2"	2 1/2"	-	8 7/8"
10	1450 [685]	14"	12 1/2"	2 1/2"	-	9 7/8"
12	2100 [991]	16"	15"	3 1/2"	-	11 7/8"
14	2900 [1369]	20"	17 1/2"	5 1/2"	-	13 7/8"
16	3700 [1746]	24"	18"	7 1/2"	-	15 7/8"
22	7100 [3351]	38"	18"	14 1/2"	1 1/8"	23 7/8" x 15 7/8"

NOTES: Right-hand base unit with electronic control enclosure shown; left-hand is available.

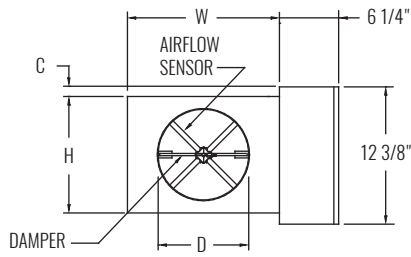
STANDARD FEATURES

- 22 Gauge galvanized steel casing construction.
- NEMA 1 steel control enclosure for electric or electronic components.
- 1/2" Thick dual density fiberglass insulation that meets NFPA 90A And UL 181 safety requirements.
- Four quadrant center averaging airflow sensor.
- Variety of pneumatic, analog, and factory mounted direct digital control packages for pressure dependent and pressure independent systems.
- ETL Listed - Adherence to UL 429 for electrically operated valves.

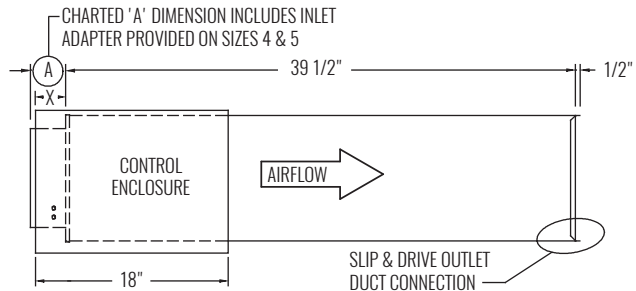
OPTIONAL FEATURES

- 20 Gauge galvanized steel casing construction.
- Liners: 1/2" Cellular Insulation, 1" Dual Density Fiberglass Insulation, Sterilwall, Steriliner, Perforated Doublewall, or no liner.
- Linear averaging airflow sensor.
- 24-volt transformer.
- Disconnect switch for electronic controls.
- Dust tight control enclosure.
- Left-hand or right-hand control enclosure.
- Bottom access panel.
- Cam locks (bottom access panel).
- Hanger brackets.

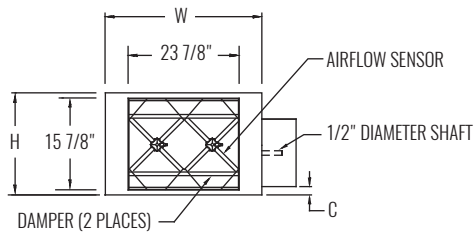
BASE UNIT WITH ATTENUATOR | DIMENSIONAL DATA



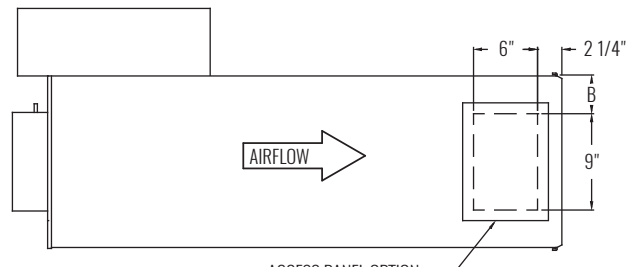
INLET VIEW - SIZES 4 - 16



SIDE VIEW



INLET VIEW - SIZE 22



BOTTOM VIEW

INLET SIZE	MAX CFM [L/s]	W	H	A	B	C	D	X
4	230 [109]	12"	8"	5 3/8"	1 1/2"	2 1/8"	3 7/8"	7 1/4"
5	360 [170]	12"	8"	5 3/8"	1 1/2"	2 1/8"	4 7/8"	7 1/4"
6	515 [243]	12"	8"	3 3/8"	1 1/2"	2 1/8"	5 7/8"	7 1/4"
7	700 [330]	12"	10"	3 3/8"	1 1/2"	1 1/8"	6 7/8"	7 1/4"
8	920 [434]	12"	10"	3 3/8"	1 1/2"	1 1/8"	7 7/8"	7 1/4"
9	1160 [547]	14"	12 1/2"	3 3/8"	2 1/2"	-	8 7/8"	5 1/4"
10	1430 [675]	14"	12 1/2"	3 3/8"	2 1/2"	-	9 7/8"	5 1/4"
12	2060 [972]	16"	15"	3 3/8"	3 1/2"	-	11 7/8"	5 1/4"
14	2800 [1321]	20"	17 1/2"	3 3/8"	5 1/2"	-	13 7/8"	3 1/4"
16	3660 [1727]	24"	18"	3 3/8"	7 1/2"	-	15 7/8"	3 1/4"
22	7000 [3304]	38"	18"	4 1/4"	14 1/2"	1 1/8"	23 7/8" x 15 7/8"	5 1/4"

NOTES: Right-hand base unit with electronic control enclosure shown; left-hand is available.

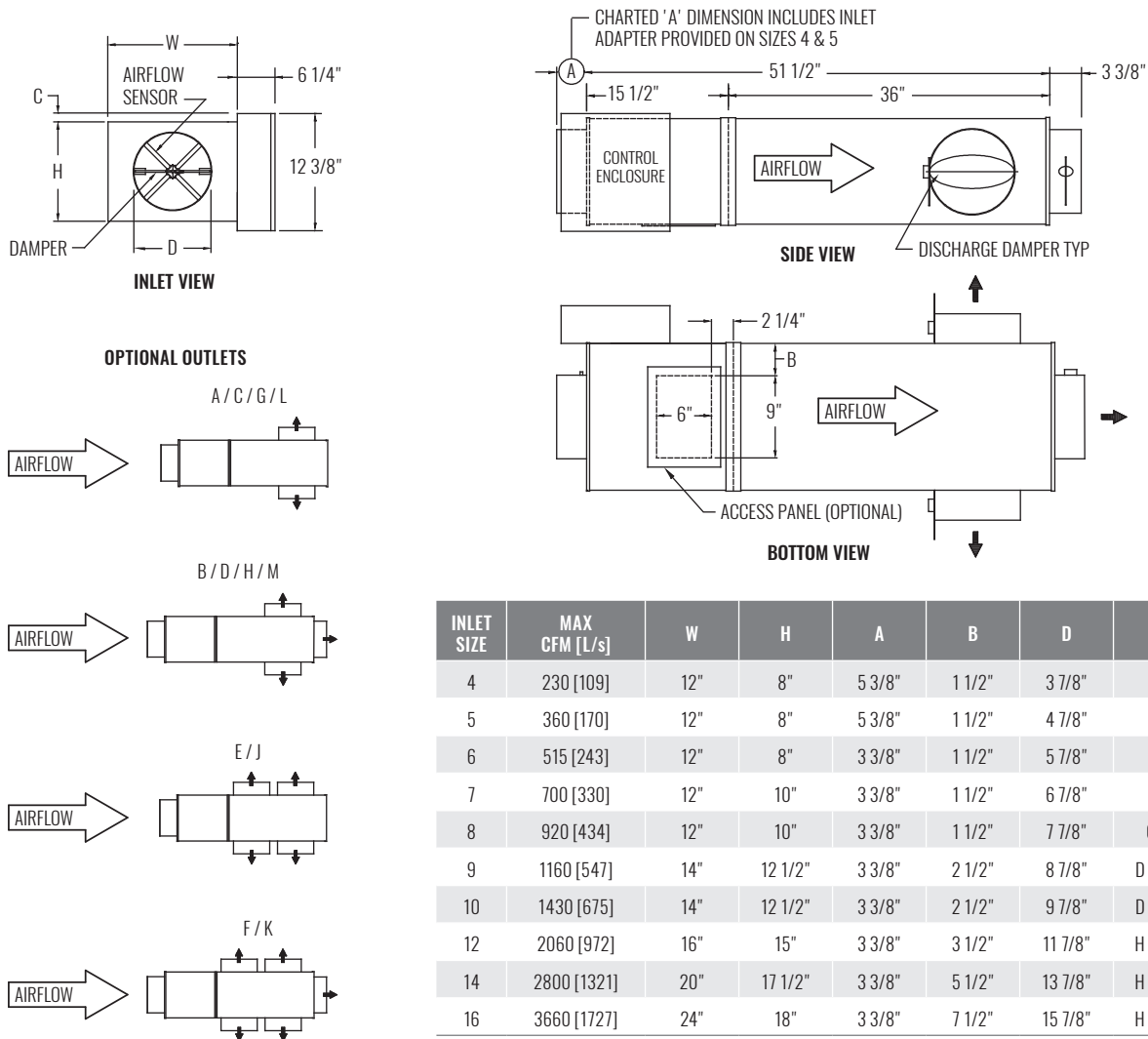
STANDARD FEATURES

- 22 Gauge galvanized steel casing construction.
- NEMA 1 steel control enclosure for electric or electronic components.
- 1/2" Thick dual density fiberglass insulation that meets NFPA 90A and UL 181 safety requirements.
- Four quadrant center averaging airflow sensor.
- Variety of pneumatic, analog, and factory mounted direct digital control packages for pressure dependent and pressure independent systems.
- ETL Listed - Adherence to UL 429 for electrically operated valves.

OPTIONAL FEATURES

- 20 Gauge galvanized steel casing construction.
- Liners: 1/2" or 1" Cellular Insulation, 1" Dual Density Fiberglass Insulation, Sterilwall, Steriliner, Perforated Doublewall, or no liner.
- Linear averaging airflow sensor.
- 24-volt transformer.
- Disconnect switch for electronic controls.
- Dust tight control enclosure.
- Left-hand or right-hand control enclosure.
- Bottom access panel.
- Cam locks (bottom access panel).
- Hanger brackets.

BASE UNIT WITH MULTIPLE OUTLET ATTENUATOR | DIMENSIONAL DATA



INLET SIZE	MAX CFM [L/s]	W	H	A	B	D	OUTLET TYPES
4	230 [109]	12"	8"	5 3/8"	1 1/2"	3 7/8"	A / B
5	360 [170]	12"	8"	5 3/8"	1 1/2"	4 7/8"	A / B
6	515 [243]	12"	8"	3 3/8"	1 1/2"	5 7/8"	A / B
7	700 [330]	12"	10"	3 3/8"	1 1/2"	6 7/8"	C / D / E
8	920 [434]	12"	10"	3 3/8"	1 1/2"	7 7/8"	C / D / E / F
9	1160 [547]	14"	12 1/2"	3 3/8"	2 1/2"	8 7/8"	D / E / G / H / J
10	1430 [675]	14"	12 1/2"	3 3/8"	2 1/2"	9 7/8"	D / E / G / H / J
12	2060 [972]	16"	15"	3 3/8"	3 1/2"	11 7/8"	H / J / K / L / M
14	2800 [1321]	20"	17 1/2"	3 3/8"	5 1/2"	13 7/8"	H / J / K / L / M
16	3660 [1727]	24"	18"	3 3/8"	7 1/2"	15 7/8"	H / J / K / L / M

NOTES: Right-hand base unit with electronic control enclosure shown; left-hand is available. Multiple outlets are not available in size 22. See page A2-11 for additional outlet information.

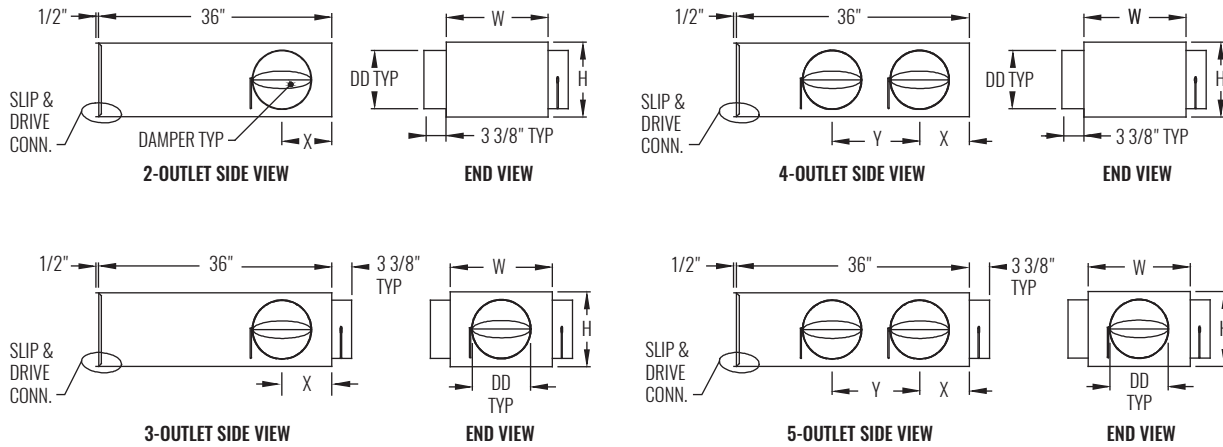
STANDARD FEATURES

- 22 Gauge galvanized steel casing construction.
- NEMA 1 steel control enclosure for electric or electronic components.
- 1/2" Thick dual density fiberglass insulation that meets NFPA 90A and UL 181 safety requirements.
- Four quadrant center averaging airflow sensor.
- Manual balancing valves/dampers.
- Variety of pneumatic, electric, analog, and factory mounted direct digital control packages for pressure dependent and pressure independent systems.
- ETL Listed - Adherence to UL 429 for electrically operated valves.

OPTIONAL FEATURES

- 20 Gauge galvanized steel casing construction.
- Liners: 1/2" or 1" Cellular Insulation, 1" Dual Density Fiberglass Insulation, Steriliner, or no liner.
- Linear averaging airflow sensor.
- 24-volt transformer.
- Disconnect switch for electronic controls.
- Left-hand or right-hand control enclosure.
- Dust tight control enclosure.
- Bottom access panel.
- Cam locks (bottom access panel).
- Hanger brackets.

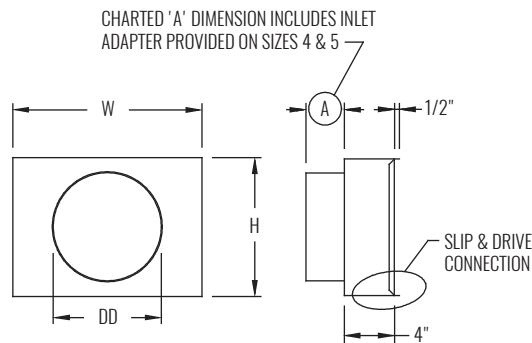
BASE UNIT WITH MULTIPLE OUTLET ATTENUATOR AND SINGLE ROUND OUTLET | DIMENSIONAL DATA



OUTLET TYPE	OUTLET QUANTITY				DD OUTLET SIZE	UNIT SIZES	X	Y
A	2	-	-	-	5 7/8"	4 / 5 / 6	4 3/8" (111)	-
B	-	3	-	-		4 / 5 / 6		-
C	2	-	-	-	7 7/8"	7 / 8	5 3/8" (137)	-
D	-	3	-	-		7 / 8 / 9 / 10		-
E	-	-	4	-		7 / 8 / 9 / 10		12"
F	-	-	-	5	9 7/8"	8	6 3/8" (162)	12"
G	2	-	-	-		9 / 10		-
H	-	3	-	-	11 7/8"	9 / 10 / 12 / 14 / 16	6 3/8" (162)	-
J	-	-	4	-		9 / 10 / 12 / 14 / 16		14"
K	-	-	-	5		12 / 14 / 16		14"
L	2	-	-	-	11 7/8"	12 / 14 / 16	6 3/8" (162)	14"
M	-	3	-	-		12 / 14 / 16		14"

NOTES: Dash indicates not applicable.

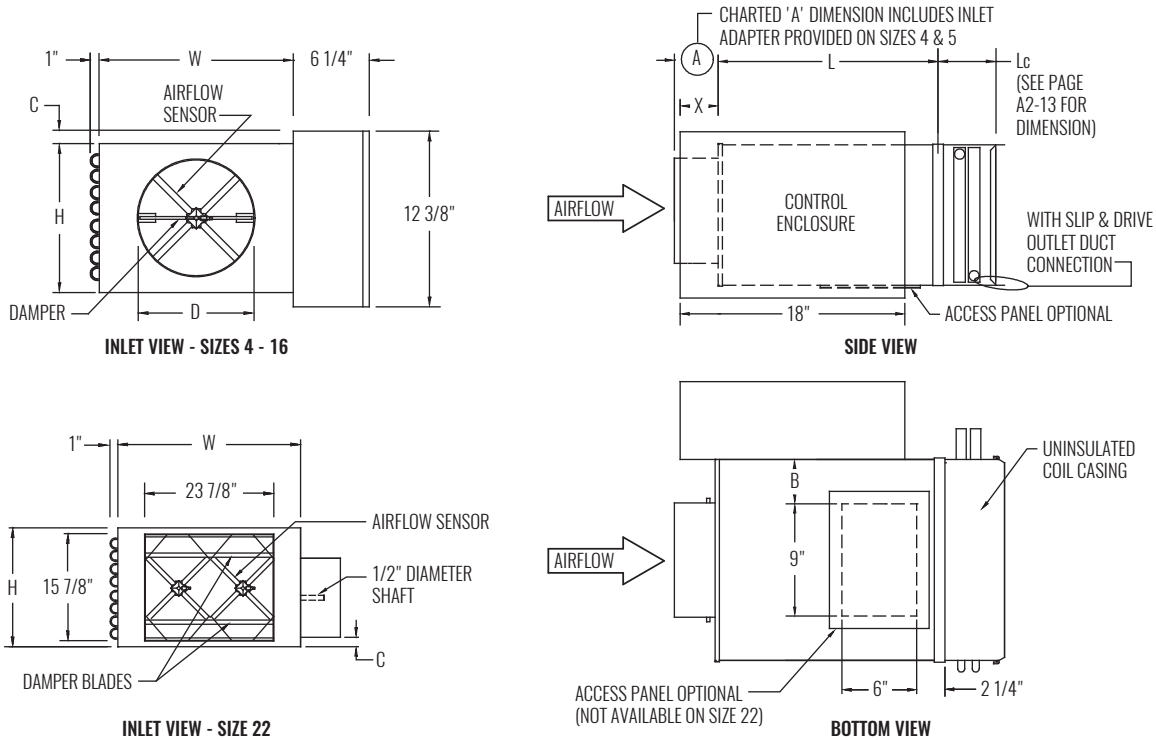
ROUND OUTLET ADAPTER | DIMENSIONAL DATA



UNIT SIZE	W	H	A	DD
4	12"	8"	5 3/8"	3 7/8"
5	12"	8"	5 3/8"	4 7/8"
6	12"	8"	3 3/8"	5 7/8"
7	12"	10"	3 3/8"	6 7/8"
8	12"	10"	3 3/8"	7 7/8"
9	14"	12 1/2"	3 3/8"	8 7/8"
10	14"	12 1/2"	3 3/8"	9 7/8"
12	16"	15"	3 3/8"	11 7/8"
14	20"	17 1/2"	3 3/8"	13 7/8"
16	24"	18"	3 3/8"	15 3/8"

NOTES: Multiple outlet plenums are for use with basic LMHS unit and hot water heat, factory assembled into one unit.

BASE UNIT WITH HOT WATER HEAT | DIMENSIONAL DATA



INLET SIZE	MAX CFM [L/s]	L	W	H	A	B	C	D	X
4	230 [109]	15 1/2"	12"	8"	5 3/8"	1 1/2"	2 1/8"	3 7/8"	7 1/4"
5	360 [170]	15 1/2"	12"	8"	5 3/8"	1 1/2"	2 1/8"	4 7/8"	7 1/4"
6	515 [243]	15 1/2"	12"	8"	3 3/8"	1 1/2"	2 1/8"	5 7/8"	7 1/4"
7	700 [330]	15 1/2"	12"	10"	3 3/8"	1 1/2"	1 1/8"	6 7/8"	7 1/4"
8	920 [434]	15 1/2"	12"	10"	3 3/8"	1 1/2"	1 1/8"	7 7/8"	7 1/4"
9	1160 [547]	15 1/2"	14"	12 1/2"	3 3/8"	2 1/2"	-	8 7/8"	5 1/4"
10	1430 [675]	15 1/2"	14"	12 1/2"	3 3/8"	2 1/2"	-	9 7/8"	5 1/4"
12	2060 [972]	15 1/2"	16"	15"	3 3/8"	3 1/2"	-	11 7/8"	5 1/4"
14	2800 [1321]	15 1/2"	20"	17 1/2"	3 3/8"	5 1/2"	-	13 7/8"	3 1/4"
16	3660 [1727]	15 1/2"	24"	18"	3 3/8"	7 1/2"	-	15 7/8"	3 1/4"
22	7000 [3304]	15"	38"	18"	4 1/4"	14 1/2"	1 1/8"	23 7/8" x 15 7/8"	5 1/4"

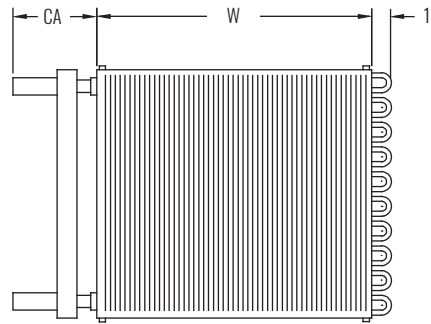
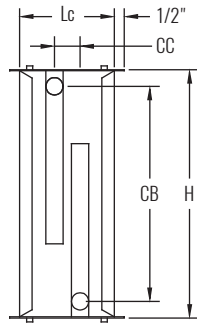
NOTES: Right-hand base unit with electronic control enclosure shown; left-hand is available.

STANDARD FEATURES

- 22 Gauge galvanized steel casing construction.
- NEMA 1 steel control enclosure for electric or electronic components.
- 1/2" Thick dual density fiberglass insulation that meets NFPA 90A and UL 181 safety requirements.
- Four quadrant center averaging airflow sensor.
- Hot water coils.
- Variety of pneumatic, analog, and factory mounted direct digital control packages for pressure dependent and pressure independent systems.
- ETL Listed - Adherence to UL 429 for electrically operated valves.

OPTIONAL FEATURES

- 20 Gauge galvanized steel casing construction.
- Liners: 1/2" or 1" Cellular Insulation, 1" Dual Density Fiberglass Insulation, Sterilwall, Steriliner, Perforated Doublewall, or no liner.
- Linear averaging airflow sensor.
- 24-volt transformer.
- Disconnect switch for electronic controls.
- Dust tight control enclosure.
- Left-hand or right-hand control enclosure.
- Left-hand or right-hand water coil connection.
- Bottom access panel.
 - Cam locks.
- Hanger brackets.
 - Vent and drain water coils.

HOT WATER COIL | DIMENSIONAL DATA


UNIT SIZE	NUMBER OF COILS	H	W	Lc	CA	CB	CC	WATER CONNECTION*
4, 5, 6	1 ROW	7 7/8" (200)	12" (305)	5" (127)	3" (76)	6 1/4" (159)	--	1/2" (13)
	2 ROW	7 7/8" (200)	12" (305)	5" (127)	3" (76)	6 1/4" (159)	--	5/8" (16)
	3 ROW	7 7/8" (200)	12" (305)	7 1/4" (184)	4 1/4" (108)	5 7/8" (149)	2 3/16" (56)	7/8" (22)
	4 ROW	7 7/8" (200)	12" (305)	7 1/4" (184)	4 1/4" (108)	6 1/4" (159)	3 1/4" (83)	7/8" (22)
7, 8	1 ROW	10 1/4" (260)	12" (305)	5" (127)	3" (76)	8 3/4" (222)	--	1/2" (13)
	2 ROW	10 1/4" (260)	12" (305)	5" (127)	2 4/7" (65)	8 3/4" (222)	--	5/8" (16)
	3 ROW	10 1/4" (260)	12" (305)	7 1/4" (184)	4 1/4" (108)	8 3/8" (213)	2 3/16" (56)	7/8" (22)
	4 ROW	10 1/4" (260)	12" (305)	7 1/4" (184)	4 1/4" (108)	9" (229)	3 1/4" (83)	7/8" (22)
9, 10	1 ROW	12 3/4" (324)	14" (356)	5" (127)	4 1/4" (108)	10 7/8" (276)	1 1/8" (29)	7/8" (22)
	2 ROW	12 3/4" (324)	14" (356)	5" (127)	4 1/4" (108)	11 1/2" (292)	1 1/16" (27)	7/8" (22)
	3 ROW	12 3/4" (324)	14" (356)	7 1/4" (184)	4 1/4" (108)	10 7/8" (276)	2 3/16" (56)	7/8" (22)
	4 ROW	12 3/4" (324)	14" (356)	7 1/4" (184)	4 1/4" (108)	11 1/2" (292)	3 1/4" (83)	7/8" (22)
12	1 ROW	15 1/4" (387)	16" (406)	5" (127)	4 1/4" (108)	13 3/8" (340)	1 1/8" (29)	7/8" (22)
	2 ROW	15 1/4" (387)	16" (406)	5" (127)	4 1/4" (108)	14" (356)	1 1/16" (27)	7/8" (22)
	3 ROW	15 1/4" (387)	16" (406)	7 1/4" (184)	4 1/4" (108)	13 3/8" (340)	2 3/16" (56)	7/8" (22)
	4 ROW	15 1/4" (387)	16" (406)	7 1/4" (184)	4 1/4" (108)	14" (356)	3 1/4" (83)	7/8" (22)
14	1 ROW	17 3/4" (451)	20" (508)	7 1/2" (191)	4 1/4" (108)	15 7/8" (403)	1 1/8" (29)	7/8" (22)
	2 ROW	17 3/4" (451)	20" (508)	7 1/2" (191)	4 1/4" (108)	16 1/2" (419)	1 1/16" (27)	7/8" (22)
	3 ROW	17 3/4" (451)	20" (508)	9 3/4" (248)	4 1/4" (108)	15 7/8" (403)	2 3/16" (56)	7/8" (22)
	4 ROW	17 3/4" (451)	20" (508)	9 3/4" (248)	4 1/4" (108)	16 1/2" (419)	3 1/4" (83)	7/8" (22)
16	1 ROW	17 3/4" (451)	24" (610)	7 1/2" (191)	4 1/4" (108)	15 7/8" (403)	1 1/8" (29)	7/8" (22)
	2 ROW	17 3/4" (451)	24" (610)	7 1/2" (191)	4 1/4" (108)	16 1/2" (419)	1 1/16" (27)	7/8" (22)
	3 ROW	17 3/4" (451)	24" (610)	9 3/4" (248)	4 1/4" (108)	15 7/8" (403)	2 3/16" (56)	7/8" (22)
	4 ROW	17 3/4" (451)	24" (610)	9 3/4" (248)	4 1/4" (108)	16 1/2" (419)	3 1/4" (83)	7/8" (22)
20	1 ROW	10 1/4" (260)	16" (406)	5" (127)	3" (76)	8 3/4" (222)	--	1/2" (13)
	2 ROW	10 1/4" (260)	16" (406)	5" (127)	2 9/16" (65)	8 3/4" (222)	--	5/8" (16)
	3 ROW	10 1/4" (260)	16" (406)	7 1/4" (184)	4 1/4" (108)	8 3/8" (213)	2 3/16" (56)	7/8" (22)
	4 ROW	10 1/4" (260)	16" (406)	7 1/4" (184)	4 1/4" (108)	9" (229)	3 1/4" (83)	7/8" (22)
22	1 ROW	17 3/4" (451)	38" (965)	5" (127)	4 1/4" (108)	15 7/8" (403)	1 1/8" (29)	7/8" (22)
	2 ROW	17 3/4" (451)	38" (965)	5" (127)	4 1/4" (108)	16 1/2" (419)	1 1/16" (27)	7/8" (22)
	3 ROW	17 3/4" (451)	38" (965)	7 1/4" (184)	4 1/4" (108)	15 7/8" (403)	2 3/16" (56)	7/8" (22)
	4 ROW	17 3/4" (451)	38" (965)	7 1/4" (184)	4 1/4" (108)	16 1/2" (419)	3 1/4" (83)	7/8" (22)

*NOTES: Water connection dimension is O.D.

STANDARD FEATURES

- Shipped from factory attached to the unit discharge
- Slip and drive field duct work installation
- Coil section is uninsulated
- Coil Casing - 20 gauge galvanized steel
- Connection Tubing - 0.032" thick copper (see O.D. connection diameter in table)
- Coil Tubing - 1/2" diameter x 0.016" thick copper
- Coil Fins - 0.0045" thick aluminum, 10 FPI, mechanically bonded to tubing

OPTIONAL FEATURES

- 12 FPI, 0.0045" thick aluminum fins, 0.016" thick copper tube
- 10 FPI, 0.0045" thick aluminum fins, 0.035" thick copper tube
- Coil Accessories - Air vent and drain ports

HOT WATER COIL | PERFORMANCE DATA

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				50	125	200	275	350	425	500
4 - 5 - 6	1	1.0	0.47	3.7	6.2	7.8	9.0	9.8	10.6	11.2
		2.0	1.82	3.8	6.6	8.5	9.9	11.0	11.9	12.7
		3.0	3.98	3.9	6.8	8.7	10.2	11.4	12.4	13.3
		4.0	6.96	3.9	6.9	8.9	10.4	11.7	12.7	13.6
		AIR PRESSURE DROP		0.00	0.02	0.04	0.06	0.10	0.13	0.18
	2	1.0	0.12	5.0	9.3	12.0	14.0	15.5	16.7	17.6
		2.0	0.47	5.3	10.2	10.2	16.1	18.2	19.9	21.3
		4.0	1.81	5.4	10.7	14.5	17.5	20.0	22.1	24.0
		6.0	3.98	5.4	10.9	14.9	18.1	20.7	23.0	25.0
		AIR PRESSURE DROP		0.01	0.04	0.08	0.14	0.21	0.29	0.38
	3	1.5	0.40	6.0	12.4	16.8	20.2	22.8	24.9	26.7
		2.0	0.70	6.1	12.7	17.5	21.1	24.1	26.6	28.7
		4.0	2.68	6.2	13.2	18.5	22.8	26.4	29.5	32.2
		6.0	5.88	6.2	13.3	18.9	23.5	27.3	30.7	33.6
		AIR PRESSURE DROP		0.01	0.06	0.12	0.21	0.31	0.43	0.57
	4	2.0	0.50	6.4	14.0	19.6	24.0	27.5	30.4	32.8
3.0		1.11	6.5	14.3	20.4	25.4	29.4	32.9	35.8	
4.0		1.95	6.5	14.5	20.9	26.1	30.5	34.3	37.5	
6.0		4.32	6.5	14.7	21.3	26.9	31.6	35.8	39.4	
AIR PRESSURE DROP		0.02	0.08	0.16	0.28	0.42	0.58	0.76		
CFM RANGE			SIZE 4							
			SIZE 5							
			SIZE 6							

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				160	285	410	535	660	785	900
7 - 8	1	1.0	0.64	8.0	10.5	12.1	13.4	14.4	15.2	15.8
		2.0	2.45	8.6	11.5	13.6	15.2	16.5	17.6	18.5
		3.0	5.37	8.8	11.9	14.2	16.0	17.4	18.6	19.6
		4.0	9.37	8.9	12.2	14.5	16.4	17.9	19.2	20.3
		AIR PRESSURE DROP		0.02	0.04	0.08	0.12	0.18	0.24	0.30
	2	1.0	0.17	11.8	15.9	18.7	20.6	22.2	23.4	24.3
		2.0	0.64	13.0	18.4	22.2	25.1	27.4	29.4	30.9
		4.0	2.44	13.7	19.9	24.5	28.2	31.2	33.8	35.9
		6.0	5.36	14.0	20.5	25.5	29.5	32.8	35.7	38.0
		AIR PRESSURE DROP		0.04	0.09	0.17	0.26	0.37	0.50	0.63
	3	1.5	0.28	15.4	21.9	26.3	29.5	32.0	33.9	35.4
		2.0	0.50	15.9	23.1	28.2	32.0	35.0	37.4	39.3
		4.0	1.95	16.7	25.1	31.5	36.5	40.7	44.2	47.0
		6.0	4.32	17.0	25.9	32.8	38.3	43.0	47.0	50.2
		AIR PRESSURE DROP		0.05	0.14	0.25	0.39	0.56	0.75	0.94
	4	2.0	0.36	17.6	26.2	32.2	36.7	40.2	43.0	45.2
3.0		0.79	18.2	27.7	34.8	40.4	44.8	48.5	51.4	
4.0		1.40	18.5	28.6	36.3	42.5	47.5	51.8	55.2	
6.0		3.12	18.8	29.4	37.9	44.8	50.6	55.6	59.6	
AIR PRESSURE DROP		0.07	0.18	0.34	0.53	0.75	1.00	1.26		
CFM RANGE			SIZE 7							
			SIZE 8							

NOTES: Hot water capacities are in MBH. Data is based upon 180°F entering water with 0% Glycol and 55°F entering air. Head loss is in feet of water. Air Temperature Rise = 927xMBH/CFM. Water Temperature Drop = 2.04xMBH/GPM. Coils are not for steam application. Contact your local Krueger representative for steam coil information. Tables are based upon a temperature difference of 125°F between entering air and entering water. For other temperature differences, multiply MBH values by correction factors provided on page 16. MBH correction factors are averaged across all LMHS unit sizes and may differ slightly than actual results. See selection software for specific hot water coil data. Airside ΔPs is defined as the minimum static pressure at the maximum CFM with the damper full open.

HOT WATER COIL | PERFORMANCE DATA (CONTINUED)

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				250	445	640	835	1030	1225	1400
9 - 10	1	1.0	0.13	10.2	13.0	14.8	16.0	17.0	17.8	18.3
		2.0	0.41	11.3	14.8	17.2	19.0	20.4	21.6	22.4
		3.0	0.87	11.7	15.6	18.2	20.2	21.8	23.2	24.2
		4.0	1.51	11.9	16.0	18.8	20.9	22.6	24.1	25.2
		AIR PRESSURE DROP		0.02	0.04	0.07	0.11	0.15	0.20	0.25
	2	1.5	0.19	17.4	23.5	27.4	30.1	32.1	33.8	35.0
		2.0	0.27	18.2	25.2	29.9	33.3	35.9	38.0	39.6
		4.0	0.99	19.5	27.9	33.9	38.5	42.2	45.3	47.6
		6.0	2.13	20.0	29.0	35.5	40.7	44.8	48.3	51.0
		AIR PRESSURE DROP		0.03	0.08	0.14	0.22	0.31	0.40	0.50
	3	2.0	0.22	25.8	34.7	39.8	43.2	45.7	47.6	49.0
		3.0	0.38	27.1	37.9	44.6	49.2	52.7	55.5	57.5
		4.0	0.66	27.8	39.5	47.1	52.4	56.5	59.8	62.2
		6.0	1.41	28.5	41.2	49.8	56.0	60.8	64.7	67.6
		AIR PRESSURE DROP		0.04	0.12	0.22	0.34	0.48	0.64	0.80
	4	2.5	0.46	26.9	41.2	48.5	53.6	57.2	60.0	62.0
		3.0	0.66	27.4	42.8	51.3	57.1	61.5	64.9	67.3
		4.0	1.16	28.0	44.7	54.4	61.3	66.5	70.6	73.7
		6.0	2.58	28.7	46.7	57.7	65.8	72.1	77.2	81.0
		AIR PRESSURE DROP		0.08	0.16	0.29	0.45	0.64	0.86	1.07
CFM RANGE			SIZE 9							
			SIZE 10							

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				400	660	920	1180	1440	1700	1950
12	1	1.0	0.17	14.5	17.5	19.3	20.7	21.8	22.6	23.3
		2.0	0.51	16.5	20.6	23.4	25.6	27.3	28.7	29.8
		3.0	1.10	17.2	21.8	25.0	27.5	29.5	31.1	32.5
		4.0	1.90	17.6	22.4	25.9	28.6	30.7	32.6	34.1
		AIR PRESSURE DROP		0.02	0.05	0.08	0.11	0.16	0.20	0.25
	2	1.5	0.23	25.1	31.6	35.8	38.8	41.0	42.8	44.2
		2.0	0.32	26.7	34.5	39.8	43.7	46.7	49.1	51.0
		4.0	1.17	29.3	39.3	46.5	52.0	56.5	60.2	63.2
		6.0	2.51	30.2	41.1	49.1	55.5	60.6	65.0	68.5
		AIR PRESSURE DROP		0.04	0.09	0.15	0.23	0.31	0.41	0.51
	3	2.0	0.26	37.3	46.5	51.9	55.5	58.2	60.2	61.7
		3.0	0.45	40.2	52.2	59.7	64.9	68.3	72.0	74.4
		4.0	0.77	41.7	55.1	63.8	70.1	74.8	79.5	81.7
		6.0	1.66	43.1	58.2	68.4	75.9	81.7	86.4	90.2
		AIR PRESSURE DROP		0.06	0.13	0.23	0.35	0.50	0.65	0.82
	4	2.5	0.26	43.0	56.0	63.9	69.2	73.0	75.9	78.1
		3.0	0.31	44.3	59.1	68.3	74.7	79.5	83.1	86.0
		4.0	1.29	42.6	62.5	73.6	81.5	87.4	92.1	95.8
		6.0	2.88	44.0	66.2	79.3	89.0	96.6	102.6	107.5
		AIR PRESSURE DROP		0.08	0.18	0.31	0.47	0.66	0.87	1.10

NOTES: Hot water capacities are in MBH. Data is based upon 180°F entering water with 0% Glycol and 55°F entering air. Head loss is in feet of water. Air Temperature Rise = 927xMBH/CFM. Water Temperature Drop = 2.04xMBH/GPM. Coils are not for steam application. Contact your local Krueger representative for steam coil information. Tables are based upon a temperature difference of 125°F between entering air and entering water. For other temperature differences, multiply MBH values by correction factors provided on the next page. MBH correction factors are averaged across all LMHS unit sizes and may differ slightly than actual results. See selection software for specific hot water coil data. Airside ΔPs is defined as the minimum static pressure at the maximum CFM with the damper full open.

HOT WATER COIL | PERFORMANCE DATA (CONTINUED)

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				500	860	1220	1580	1940	2300	2650
14	1	1.0	0.08	17.3	20.7	22.7	24.1	25.1	25.9	26.5
		2.0	0.22	21.0	26.6	30.2	32.9	35.0	36.6	38.0
		3.0	0.46	22.3	28.7	33.1	36.3	38.9	41.0	42.8
		4.0	0.79	23.0	29.9	34.7	38.3	41.2	43.6	45.6
		AIR PRESSURE DROP		0.02	0.04	0.07	0.10	0.14	0.18	0.23
	2	2.0	0.23	33.2	43.1	49.4	53.8	57.0	59.5	61.5
		3.0	0.41	35.9	48.4	56.8	62.9	67.6	71.4	74.5
		4.0	0.70	37.3	51.2	60.8	68.0	73.7	78.4	82.1
		6.0	1.51	38.8	54.2	65.4	73.9	80.8	86.5	91.2
		AIR PRESSURE DROP		0.03	0.07	0.13	0.20	0.28	0.36	0.46
	3	2.5	0.25	49.1	63.0	70.8	75.8	79.4	82.1	84.2
		3.0	0.30	51.1	67.1	76.4	82.7	87.2	90.7	93.4
		4.0	0.52	53.3	71.9	83.3	91.2	97.1	101.6	105.2
		6.0	1.10	55.5	77.0	91.1	101.1	108.7	114.8	119.6
		AIR PRESSURE DROP		0.04	0.11	0.20	0.31	0.43	0.57	0.73
	4	3.5	0.28	56.7	77.2	89.4	97.5	103.3	107.7	111.0
		4.0	0.92	53.5	80.2	94.1	103.5	110.3	115.6	119.7
		5.0	1.43	54.8	83.9	99.8	111.0	119.3	125.7	130.8
		6.0	2.05	55.6	86.4	103.9	116.4	125.8	133.3	139.2
		AIR PRESSURE DROP		0.06	0.15	0.26	0.41	0.58	0.77	0.97

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				700	1135	1570	2005	2440	2875	3300
16	1	1.5	0.16	24.7	29.4	32.5	34.7	36.4	37.7	38.8
		2.0	0.24	26.5	32.2	36.0	38.8	41.0	42.8	44.3
		3.0	0.52	28.5	35.2	39.9	43.4	46.2	48.5	50.4
		4.0	0.89	29.5	36.9	42.1	46.0	49.2	51.9	54.1
		AIR PRESSURE DROP		0.02	0.04	0.07	0.11	0.15	0.19	0.24
	2	2.0	0.09	38.9	47.0	52.0	55.5	58.0	59.9	61.5
		3.0	0.18	44.7	56.1	63.7	69.2	73.3	76.6	82.8
		4.0	0.27	47.3	62.4	72.0	79.2	82.7	87.1	90.7
		6.0	0.58	50.1	65.9	77.3	86.0	93.0	98.7	103.5
		AIR PRESSURE DROP		0.04	0.09	0.15	0.22	0.30	0.39	0.48
	3	2.5	0.11	56.7	67.0	72.7	76.4	79.1	81.0	82.6
		3.0	0.15	60.9	73.6	80.9	85.7	89.2	91.9	93.9
		4.0	0.23	66.5	82.9	92.9	99.7	104.7	108.6	111.7
		6.0	0.44	71.2	92.1	105.7	115.3	122.5	128.3	132.9
		AIR PRESSURE DROP		0.06	0.13	0.22	0.34	0.47	0.62	0.78
	4	3.0	0.10	65.7	80.0	88.0	93.2	96.8	99.4	101.5
		4.0	0.16	72.1	91.4	102.9	110.6	116.2	120.4	123.7
		5.0	0.24	76.0	98.8	113.2	123.1	129.8	136.0	140.5
		6.0	0.31	78.0	103.7	120.4	132.2	141.1	148.0	153.5
		AIR PRESSURE DROP		0.08	0.17	0.30	0.45	0.62	0.82	1.03

MBH CORRECTION FACTORS FOR OTHER ENTERING CONDITIONS								
DELTA-T	50	60	70	80	90	100	115	125
FACTOR	0.38	0.46	0.54	0.62	0.70	0.78	0.89	1.00

NOTES: Hot water capacities are in MBH. Data is based upon 180°F entering water with 0% Glycol and 55°F entering air. Head loss is in feet of water. Air Temperature Rise = 927xMBH/CFM. Water Temperature Drop = 2.04xMBH/GPM. Coils are not for steam application. Contact your local Krueger representative for steam coil information. Tables are based upon a temperature difference of 125°F between entering air and entering water. For other temperature differences, multiply MBH values by correction factors provided. MBH correction factors are averaged across all LMHS unit sizes and may differ slightly than actual results. See selection software for specific hot water coil data. Airside ΔPs is defined as the minimum static pressure at the maximum CFM with the damper full open.

HOT WATER COIL | PERFORMANCE DATA (CONTINUED)

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				450	675	900	1125	1350	1575	1800
20	1	1.0	0.09	13.3	15.2	16.6	17.6	18.4	19.1	19.6
		2.0	0.35	15.4	18.1	20.1	21.6	22.9	24.0	24.9
		3.0	0.76	16.3	19.4	21.7	23.5	25.0	26.3	27.4
		4.0	1.32	16.9	20.2	22.6	24.6	26.3	27.7	28.9
		AIR PRESSURE DROP		0.05	0.11	0.19	0.27	0.37	0.49	0.62
	2	1.0	0.20	21.6	25.2	27.5	29.3	30.6	31.7	32.6
		2.0	0.75	25.9	31.3	35.2	38.2	40.6	42.6	44.3
		4.0	2.86	28.8	35.7	40.9	45.1	48.6	51.6	54.1
		6.0	6.25	29.9	37.5	43.3	48.1	52.1	55.5	58.5
		AIR PRESSURE DROP		0.12	0.24	0.40	0.57	0.78	1.01	1.26
	3	1.0	0.30	28.2	32.7	35.6	37.6	39.2	40.3	41.3
		2.0	1.14	33.9	41.4	46.8	50.8	54.0	56.6	58.8
		4.0	4.30	37.4	47.3	54.9	60.9	65.8	70.0	73.6
		6.0	9.38	38.7	49.6	58.1	65.1	70.9	75.9	80.2
		AIR PRESSURE DROP		0.19	0.37	0.59	0.86	1.17	1.14	1.89
	4	1.0	0.41	32.5	37.8	41.0	43.2	44.8	46.0	47.0
		2.0	1.54	39.3	48.7	55.2	60.1	63.9	66.9	69.4
		4.0	5.81	43.3	55.9	65.4	73.1	79.3	84.6	89.1
		6.0	12.65	44.7	58.6	69.5	73.4	85.8	92.2	97.8
		AIR PRESSURE DROP		0.25	0.49	0.79	1.15	1.56	2.02	2.53

UNIT SIZE	ROWS	GPM	HEAD LOSS	AIRFLOW, CFM & RESULTING MBH						
				1250	2045	2840	3635	4430	5225	6000
22	1	1.5	0.21	37.5	43.5	47.1	49.6	51.4	52.9	54.0
		2.0	0.33	41.4	49.1	53.9	57.4	60.0	62.1	63.8
		3.0	0.71	45.5	55.3	61.7	66.4	70.1	73.1	75.5
		4.0	1.21	47.9	58.9	66.4	71.9	76.3	79.9	82.9
		AIR PRESSURE DROP		0.02	0.05	0.09	0.13	0.18	0.24	0.30
	2	2.0	0.11	58.4	67.7	73.0	76.4	78.7	80.5	81.9
		3.0	0.23	69.6	84.7	93.8	99.9	104.4	107.8	110.5
		4.0	0.37	75.8	94.7	107.0	115.6	122.1	127.1	131.1
		6.0	0.78	82.1	105.7	121.7	133.5	142.7	150.0	156.0
		AIR PRESSURE DROP		0.05	0.11	0.18	0.27	0.37	0.48	0.60
	3	2.5	0.13	83.6	93.9	99.2	102.5	104.7	106.4	107.7
		3.0	0.18	92.0	105.7	112.9	117.4	120.6	122.9	124.7
		4.0	0.30	103.7	123.6	134.5	141.5	146.5	150.3	153.2
		6.0	0.57	115.5	143.7	160.6	172.1	180.5	187.0	192.1
		AIR PRESSURE DROP		0.07	0.16	0.28	0.42	0.59	0.77	0.98
	4	3.0	0.12	98.9	113.5	120.8	125.3	128.3	130.6	132.2
		4.0	0.20	113.0	135.3	147.1	154.5	159.6	163.4	166.2
		5.0	0.30	121.9	150.9	166.9	177.3	184.6	190.0	194.2
		6.0	0.40	127.7	162.1	182.3	195.6	205.1	212.4	218.0
		AIR PRESSURE DROP		0.09	0.21	0.37	0.56	0.78	1.03	1.30

MBH CORRECTION FACTORS FOR OTHER ENTERING CONDITIONS

DELTA-T	50	60	70	80	90	100	115	125
FACTOR	0.38	0.46	0.54	0.62	0.70	0.78	0.89	1.00

NOTES: Hot water capacities are in MBH. Data is based upon 180°F entering water with 0% Glycol and 55°F entering air. Head loss is in feet of water. Air Temperature Rise = 927xMBH/CFM. Water Temperature Drop = 2.04xMBH/GPM. Coils are not for steam application. Contact your local Krueger representative for steam coil information. Tables are based upon a temperature difference of 125°F between entering air and entering water. For other temperature differences, multiply MBH values by correction factors provided. MBH correction factors are averaged across all LMHS unit sizes and may differ slightly than actual results. See selection software for specific hot water coil data. Airside ΔPs is defined as the minimum static pressure at the maximum CFM with the damper full open.

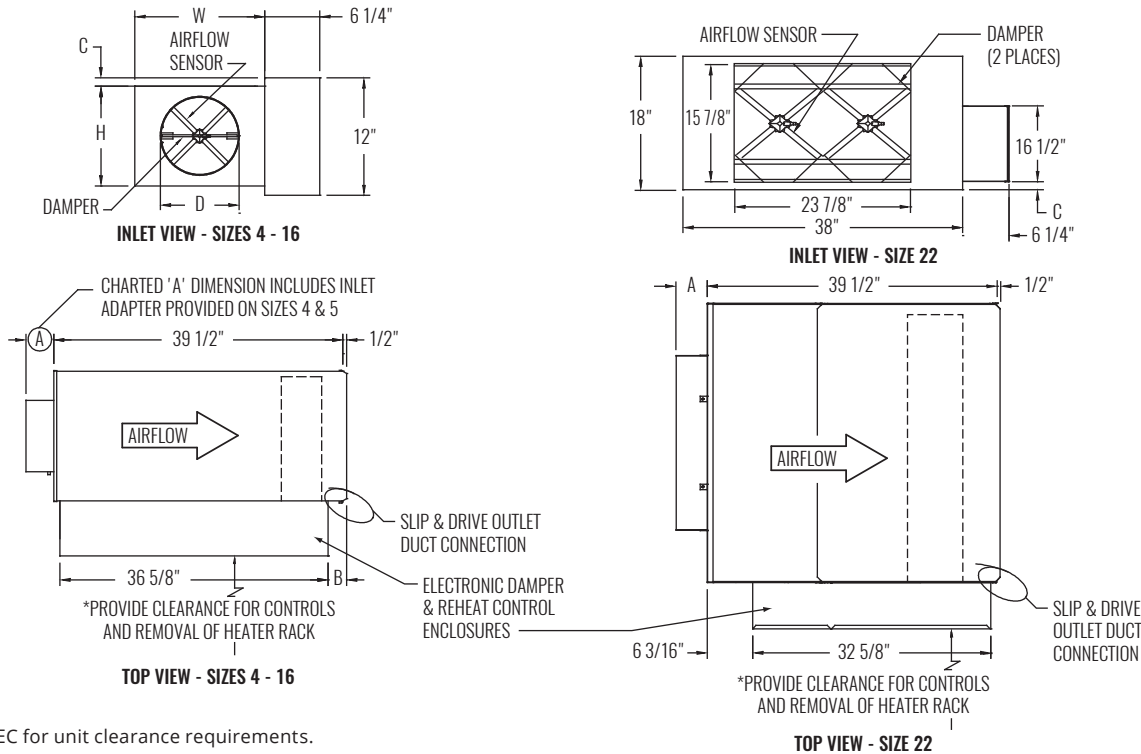
NOTE:

For hot water performance data tables, visit the Krueger website at www.krueger-hvac.com or download the Krueger selection software to run customized selections. The selection program can provide performance data with different entering air and water conditions as well as show effects of altitude and glycol on the heating performance of the water coil. The selection software also allows selections to be saved in a schedule format that can be imported onto a set of project drawings.

GLOSSARY OF ABBREVIATIONS

- EAT - Entering Air Temperature (°F)
- EWT - Entering Water Temperature (°F)
- CFM - Cubic Feet/Minute (Air Volume)
- Btuh - Heating Capacity (British Thermal Units/hr)
- MBH - 1,000 Btuh
- WTD - Water Temperature Drop (°F)
- ATR - Air Temperature Rise (°F)
- LAT - Leaving Air Temperature (°F)
- kW - Heating Capacity (kilowatts)
- Ps - Static Pressure Drop ("WG)
- GPM - Gallon Per Minute
- WPD - Water Pressure Drop or Head Loss (ft WG)

DIMENSIONAL DATA | BASE UNIT WITH ELECTRIC HEAT



* Check NEC for unit clearance requirements.

INLET SIZE	MAX CFM [L/s]	W	H	A	B	C	D
4	230 [109]	12"	8"	5 3/8"	5 1/2"	2"	3 7/8"
5	360 [170]	12"	8"	5 3/8"	5 1/2"	2"	4 7/8"
6	515 [243]	12"	8"	3 3/8"	5 1/2"	2"	5 7/8"
7	700 [330]	12"	10"	3 3/8"	5 1/2"	1"	6 7/8"
8	920 [434]	12"	10"	3 3/8"	5 1/2"	1"	7 7/8"
9	1160 [547]	14"	12 1/2"	3 3/8"	3 1/2"	-	8 7/8"
10	1430 [675]	14"	12 1/2"	3 3/8"	3 1/2"	-	9 7/8"
12	2060 [972]	16"	15"	3 3/8"	3 1/2"	-	11 7/8"
14	2800 [1321]	20"	17 1/2"	3 3/8"	1 1/2"	-	13 7/8"
16	3660 [1727]	24"	18"	3 3/8"	1 1/2"	-	15 7/8"
22	7000 [3304]	38"	18"	4 1/4"	-	1 1/8"	23 7/8" x 15 7/8"

NOTES: *Right-hand base unit with electronic control enclosure shown; left-hand is available. See page A2-4 for minimum CFM values. Horizontal installation only.

STANDARD FEATURES

- 22 Gauge galvanized steel casing construction.
- Integral sound attenuator.
- NEMA 1 steel control enclosure for electric or electronic components.
- 1/2" Thick dual density fiberglass insulation that meets NFPA 90A and UL 181 safety requirements.
- Four quadrant center averaging airflow sensor.
- Variety of pneumatic, analog, and factory mounted direct digital control packages for pressure dependent and pressure independent systems.
- ETL Listed as an entire assembly under UL 1996.
- See Page A2-16 for electric heat standard features.

OPTIONAL FEATURES*

- LineaHeat solid state electronic proportional control of electric heat.
- 20 Gauge galvanized steel casing construction.
- Liners: 1/2" Cellular Insulation, 1" Dual Density Fiberglass Insulation, Sterilwall, Steriliner, Perforated Doublewall, or no liner.
- Linear averaging airflow sensor.
- Left or right-hand control & electric heat enclosure.
- Fused or non-fused door interlocking heater disconnect switch.
- Fuse block with fuses for primary overload protection.
- AC solid state relays.
- Dust tight construction.
- Hanger brackets.

ELECTRIC HEAT STANDARD FEATURES

- ETL Listed, Meeting NEC Requirements
- 20 Gauge Galvanized Steel Construction
- Line Voltage Combinations:
[120, 208/240, 277 Volt, Single-Phase]
[208 Volt, Three-Phase, Three-Wire]
[480 Volt, Three-Phase, Four-Wire]
- Control Transformer for Analog and Direct Digital Controls
- NEMA 1 Electric Heat Control Enclosure
- Slip and Drive Discharge for Field Duct Connection
- 80/20 Ni-Cr Heating Elements
- Automatic Reset Thermal Cutout Secondary Manual Reset Thermal Cutouts
- De-energizing Magnetic Contactors (Electronic Controls)
- Positive Pressure Airflow Switch
- PE Switch Step Controllers (Pneumatic Controls)

OPTIONAL FEATURES

- AC Solid State Relays offer silent operation for staged electric heat.
- Fuse Block with fuses for primary overload protection.
- Door interlocking disconnect switches (fused or non-fused).
- Dust-tight construction.

OPTIONAL HEATER CONTROL

- LineaHeat Solid State Electronic Heater Control available with or without Leaving Air Temperature Control. See the Engineering section for more information.

MINIMUM / MAXIMUM kW

UNIT SIZE	STAGES	1 PHASE								3 PHASE			
		120 Volt		208 Volt		240 Volt		277 Volt		208 Volt (3 wire)		480 Volt (4 wire)	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
4	1	0.5		0.5		1.0		1.0		1.5	3.0	2.5	3.0
	2	1.0	3.0	1.0	3.0	1.5	3.0	1.5	3.0				
	3	1.5		1.5		2.0		2.5					
5	1	0.5		0.5		1.0		1.0		1.5	5.0	2.5	5.0
	2	1.0	5.0	1.0	5.0	1.5	5.0	1.5	5.0				
	3	1.5		1.5		2.0		2.5					
6	1	0.5		0.5		1.0		1.0		1.5	7.5	2.5	7.5
	2	1.0	5.0	1.0	7.5	1.5	7.5	1.5	7.5				
	3	1.5		1.5		2.0		2.5					
7	1	0.5		0.5		1.0		1.0		1.5	9.5	2.5	9.5
	2	1.0	5.0	1.0	9.5	1.5	9.5	1.5	9.5				
	3	1.5		1.5		2.0		2.5					
8	1	0.5		0.5		1.0		1.0		1.5	13.0	2.5	13.0
	2	1.0	5.0	1.0	9.5	1.5	11.0	1.5	13.0				
	3	1.5		1.5		2.0		2.5					
9	1	0.5		0.5		1.0		1.0		1.5	16.0	2.5	16.0
	2	1.0	5.0	1.0	9.5	1.5	11.0	1.5	13.0				
	3	1.5		1.5		2.0		2.5					
10	1	0.5		0.5		1.0		1.0		1.5	16.0	2.5	21.0
	2	1.0	5.0	1.0	9.5	1.5	11.0	1.5	13.0				
	3	1.5		1.5		2.0		2.5					
12	1	0.5		0.5		1.0		1.0		1.5	16.0	2.5	30.0
	2	1.0	5.0	1.0	9.5	1.5	11.0	1.5	13.0				
	3	1.5		1.5		2.0		2.5					
14	1	1.0		1.0		1.0		1.0		3.0	16.0	3.0	36.0
	2	2.0	5.0	2.0	9.5	2.0	11.0	2.0	13.0				
	3	3.0		3.0		3.0		3.0					
16	1	1.0		1.0		1.0		1.0		3.0	16.0	3.0	36.0
	2	2.0	5.0	2.0	9.5	2.0	11.0	2.0	13.0				
	3	3.0		3.0		3.0		3.0					
20	1	1.0	0.5	1.0	9.5	1.0	1.0	1.0	1.5	3.0	16.0	2.5	30.0
	2	2.0	5.0	1.0	9.5	1.5	11.0	1.5	13.0				
	3	3.0		1.5		2.0		2.5		3.0		3.0	
22	1	1.0		1.0		1.0		1.5		3.0	16.0	4.0	36.0
	2	2.0	5.0	2.0	9.5	2.0	11.0	3.0	13.0				
	3	3.0		3.0		3.0		4.5					

FORMULAS

Specify electric duct heaters using voltage, kW, and number of steps.

Required kW is calculated using the following relationship:

$$kW = \text{Btuh} / 3413$$

$$kW = (\text{CFM} \times \Delta T) / 3160$$

Where:

Btuh = Required Heating Capacity

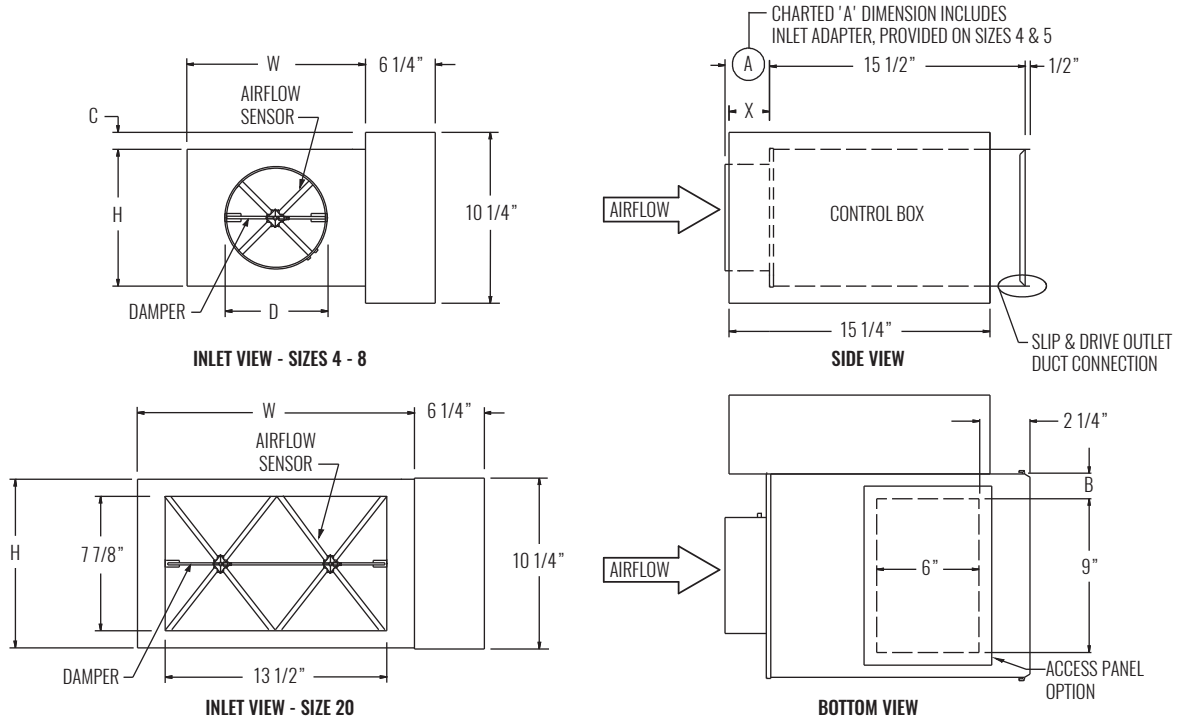
CFM = Volume of Air Controlled During Heating (Typically 30%-100% of Maximum Cooling Volume)

ΔT = Leaving Air Temperature minus the entering air temperature or the desired air temperature rise across the electric heater.*

NOTES: The ASHRAE handbook of fundamentals states that discharge temperatures in excess of 90°F are likely to result in objectionable air temperature stratification in the space. Also, ventilation short circuiting may occur. ASHRAE Standard 62.1 limits discharge temperatures to 90°F or increasing the ventilation rate when heating from the ceiling.

NOTES: Minimum and maximum values apply to staged heaters only. Contact your local Krueger representative for LineaHeat limits. Electric heaters are provided as slip-in type integrally mounted to the terminal unit. Where possible, select heater so that power (kW) is a whole number. Often rounding to the nearest whole number has negligible impact on discharge temperature and power consumption.

LOW PROFILE UNIT | DIMENSIONAL DATA



INLET SIZE	MAX CFM [L/s]	W	H	A	B	C	D	X
4	230 [109]	12"	8"	5 3/8"	1 1/2"	1 1/8"	3 7/8"	2 5/8"
5	360 [170]	12"	8"	5 3/8"	1 1/2"	1 1/8"	4 7/8"	2 5/8"
6	515 [243]	12"	8"	3 3/8"	1 1/2"	1 1/8"	5 7/8"	2 5/8"
7	710 [335]	12"	10"	3 3/8"	1 1/2"	1/8"	6 7/8"	2 5/8"
8	920 [434]	12"	10"	3 3/8"	1 1/2"	1/8"	7 7/8"	2 5/8"
20	2100 [991]	16 1/4"	10"	2 7/8"	3 5/8"	1/8"	N/A	2 5/8"

NOTES: Right-hand base unit with electronic control enclosure shown; left-hand is available.

STANDARD FEATURES

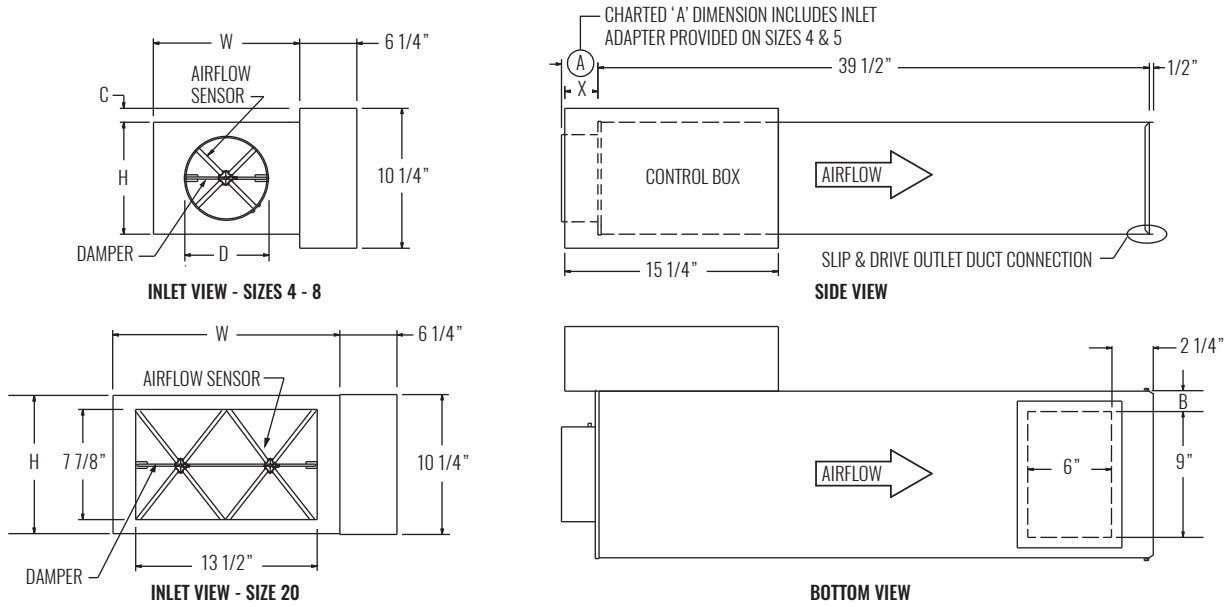
- 22 Gauge galvanized steel casing construction.
- NEMA 1 steel control enclosure for electric or electronic components.
- 1/2" Thick dual density fiberglass insulation that meets NFPA 90A and UL 181 safety requirements.
- Four quadrant center averaging airflow sensor.
- Variety of pneumatic, analog, and factory mounted direct digital control packages for pressure dependent and pressure independent systems.
- ETL Listed - Adherence to UL 429 for electrically operated valves.

OPTIONAL FEATURES

- 20 Gauge galvanized steel casing construction.
- Liners: 1/2" or 1" Cellular Insulation, 1" Dual Density Fiberglass Insulation, Sterilwall, Steriliner, Perforated Doublewall, or no liner.
- Linear averaging airflow sensor.
- 24-volt transformer.
- Disconnect switch for electronic controls.
- Dust tight control enclosure.
- Left-hand or right-hand control enclosure.
- Hanger brackets.
- Bottom access panel.*
- Cam locks (bottom access panel).*

NOTE: *Not available on size 20 with Sterilwall or Perforated Doublewall.

LOW PROFILE UNIT WITH ATTENUATOR | DIMENSIONAL DATA



INLET SIZE	MAX CFM [L/s]	W	H	A	B	C	D	X
4	230 [109]	12"	8"	5 3/8"	1 1/2"	1 1/8"	3 7/8"	2 5/8"
5	360 [170]	12"	8"	5 3/8"	1 1/2"	1 1/8"	4 7/8"	2 5/8"
6	515 [243]	12"	8"	3 3/8"	1 1/2"	1 1/8"	5 7/8"	2 5/8"
7	710 [335]	12"	10"	3 3/8"	1 1/2"	1/8"	6 7/8"	2 5/8"
8	920 [434]	12"	10"	3 3/8"	1 1/2"	1/8"	7 7/8"	2 5/8"
20	2100 [991]	16 1/4"	10"	2 7/8"	3 5/8"	1/8"	N/A	2 5/8"

NOTES: Right-hand base unit with electronic control enclosure shown; left-hand is available.

STANDARD FEATURES

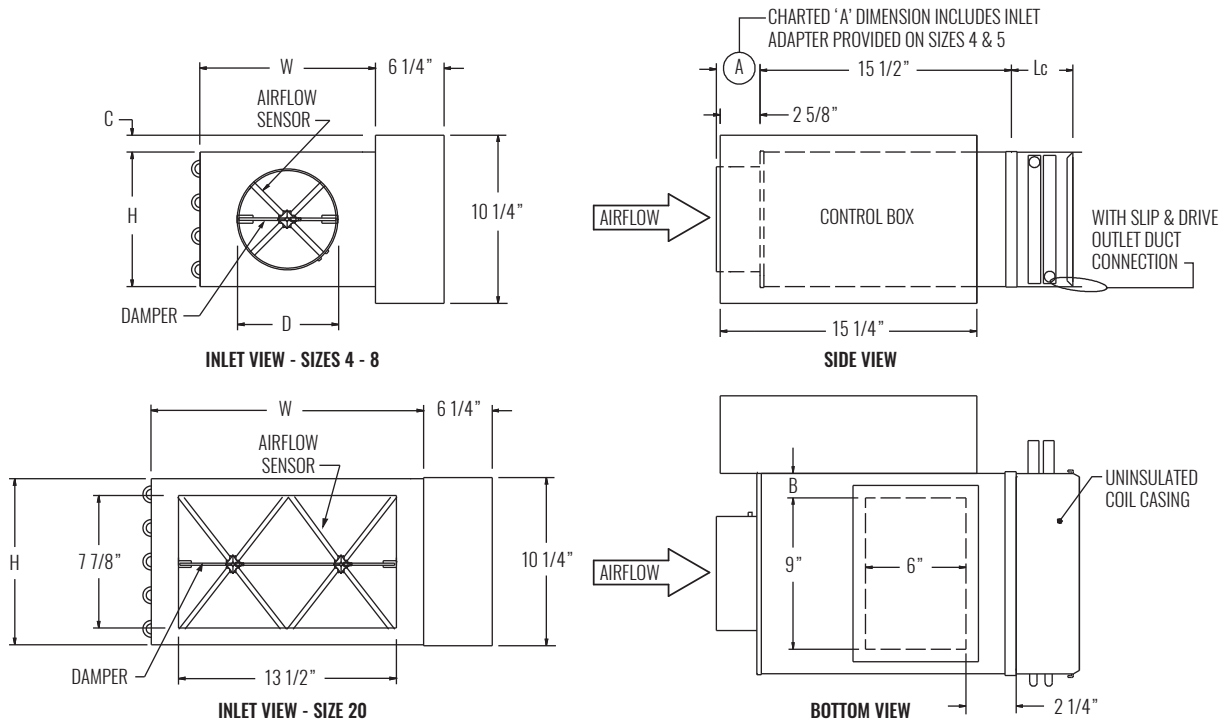
- 22 Gauge galvanized steel casing construction.
- NEMA 1 steel control enclosure for electric or electronic components.
- 1/2" Thick dual density fiberglass insulation that meets NFPA 90A and UL 181 safety requirements.
- Four quadrant center averaging airflow sensor.
- Variety of pneumatic, analog, and factory mounted direct digital control packages for pressure dependent and pressure independent systems.
- ETL Listed - Adherence to UL 429 for electrically operated valves.

OPTIONAL FEATURES

- 20 Gauge galvanized steel casing construction.
- Liners: 1/2" or 1" Cellular Insulation, 1" Dual Density Fiberglass Insulation, Sterilwall, Steriliner, Perforated Doublewall, or no liner.
- Linear averaging airflow sensor.
- 24-volt transformer.
- Disconnect switch for electronic controls.
- Dust tight control enclosure.
- Left-hand or right-hand control enclosure.
- Hanger brackets.
- Bottom access panel. *
- Cam locks (bottom access panel). *

NOTE: *Not available on size 20 with Sterilwall or Perforated Doublewall.

LOW PROFILE UNIT WITH HOT WATER HEAT | DIMENSIONAL DATA



INLET SIZE	MAX CFM [L/s]	W	H	A	B	C	D	Lc	
								1-ROW	2-ROW
4	230 [109]	12"	8"	5 3/8"	1 1/2"	1 1/8"	3 7/8"	5"	7 1/4"
5	360 [170]	12"	8"	5 3/8"	1 1/2"	1 1/8"	4 7/8"	5"	7 1/4"
6	515 [243]	12"	8"	3 3/8"	1 1/2"	1 1/8"	5 7/8"	5"	7 1/4"
7	710 [335]	12"	10"	3 3/8"	1 1/2"	1/8"	6 7/8"	5"	7 1/4"
8	920 [434]	12"	10"	3 3/8"	1 1/2"	1/8"	7 7/8"	5"	7 1/4"
20	2100 [991]	16 1/4"	10"	2 7/8"	3 5/8"	1/8"	N/A	5"	7 1/4"

NOTES: Right-hand base unit with electronic control enclosure shown; left-hand is available.

STANDARD FEATURES

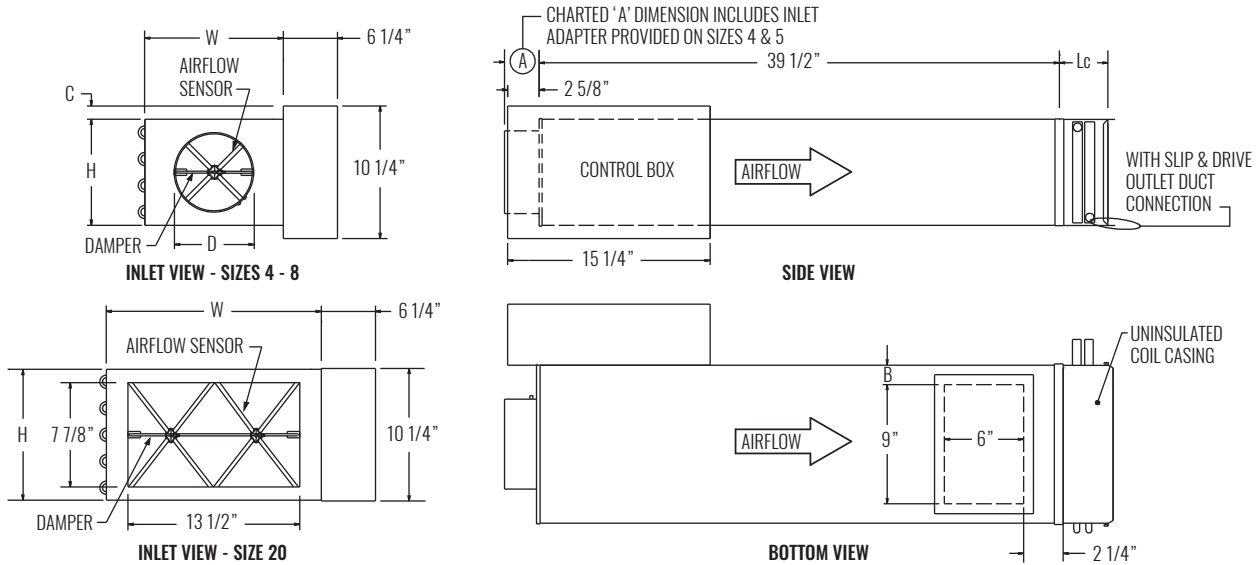
- 22 Gauge galvanized steel casing construction.
- NEMA 1 Steel control enclosure for electric or electronic components.
- 1/2" Thick dual density fiberglass insulation that meets NFPA 90A and UL 181 safety requirements.
- Four quadrant center averaging airflow sensor.
- Hot water coils.
- Variety of pneumatic, analog, and factory mounted direct digital control packages for pressure dependent and pressure independent systems.
- See pages A2-13 and A2-14 for hot water coil dimensional and engineering information.

OPTIONAL FEATURES

- 20 Gauge galvanized steel casing construction.
- Liners: 1/2" or 1" Cellular Insulation, 1" Dual Density Fiberglass Insulation, Sterilwall, Steriliner, Perforated Doublewall, or no liner.
- Linear averaging airflow sensor.
- 24-volt transformer.
- Disconnect switch for electronic controls.
- Dust tight control enclosure.
- Left-hand or right-hand control enclosure.
- Left-hand or right-hand water coil connection.
- Hanger brackets.
- Bottom access panel.*
- Cam locks (bottom access panel).*

NOTE: *Not available on size 20 with Sterilwall or Perforated Doublewall.

LOW PROFILE UNIT WITH HOT WATER HEAT AND ATTENUATOR | DIMENSIONAL DATA



INLET SIZE	MAX CFM [L/s]	W	H	A	B	C	D	Lc	
								1-ROW	2-ROW
4	230 [109]	12"	8"	5 3/8"	1 1/2"	1 1/8"	3 7/8"	5"	7 1/4"
5	360 [170]	12"	8"	5 3/8"	1 1/2"	1 1/8"	4 7/8"	5"	7 1/4"
6	515 [243]	12"	8"	3 3/8"	1 1/2"	1 1/8"	5 7/8"	5"	7 1/4"
7	710 [335]	12"	10"	3 3/8"	1 1/2"	1/8"	6 7/8"	5"	7 1/4"
8	920 [434]	12"	10"	3 3/8"	1 1/2"	1/8"	7 7/8"	5"	7 1/4"
20	2100 [991]	16 1/4"	10"	2 7/8"	3 5/8"	1/8"	N/A	5"	7 1/4"

NOTES: Right-hand base unit with electronic control enclosure shown; left-hand is available.

STANDARD FEATURES

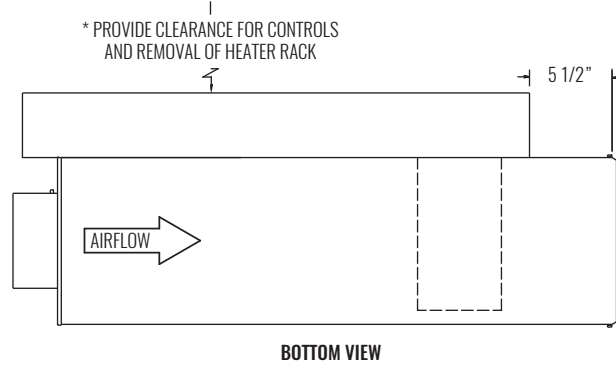
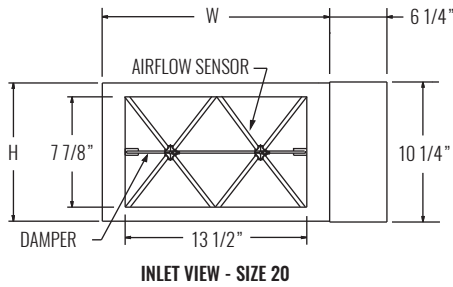
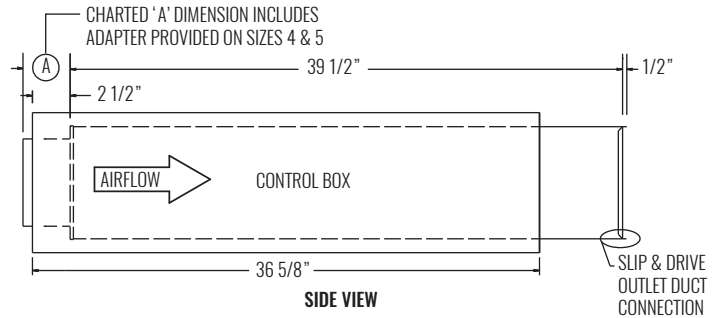
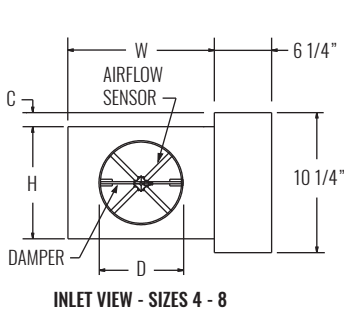
- 22 Gauge galvanized steel casing construction.
- NEMA 1 steel control enclosure for electric or electronic components.
- 1/2" Thick dual density fiberglass insulation that meets NFPA 90A and UL 181 safety requirements.
- Four quadrant center averaging airflow sensor.
- Hot water coils.
- Variety of pneumatic, analog, and factory mounted direct digital control packages for pressure dependent and pressure independent systems.
- See pages A2-13 and A2-14 for hot water coil dimensional and engineering information.

OPTIONAL FEATURES

- 20 Gauge galvanized steel casing construction.
- Liners: 1/2" or 1" Cellular Insulation, 1" Dual Density Fiberglass Insulation, Sterilwall, Steriliner, Perforated Doublewall, or no liner.
- Linear averaging airflow sensor.
- 24-volt transformer.
- Disconnect switch for electronic controls.
- Dust tight control enclosure.
- Left-hand or right-hand control enclosure.
- Left-hand or right-hand water coil connection.
- Hanger brackets.
- Bottom access panel. *
- Cam locks (bottom access panel). *

NOTE: *Not available on size 20 with Sterilwall or Perforated Doublewall.

DIMENSIONAL DATA | LOW PROFILE UNIT WITH ELECTRIC HEAT



* Check NEC for unit clearance requirements.

INLET SIZE	MAX CFM [L/s]	W	H	A	C	D
4	230 [109]	12"	8"	5 3/8"	1 1/8"	3 7/8"
5	360 [170]	12"	8"	5 3/8"	1 1/8"	4 7/8"
6	515 [243]	12"	8"	3 3/8"	1 1/8"	5 7/8"
7	710 [335]	12"	10"	3 3/8"	1/8"	6 7/8"
8	920 [434]	12"	10"	3 3/8"	1/8"	7 7/8"
20	2100 [991]	16 1/4"	10"	3 3/4"	1/8"	N/A

NOTES: *Right-hand base unit with electronic control enclosure shown; left-hand is available.

STANDARD FEATURES

- 22 Gauge galvanized steel casing construction.
- Integral sound attenuator.
- NEMA 1 steel control enclosure for electric or electronic components.
- 1/2" Thick dual density fiberglass insulation that meets NFPA 90A and UL 181 safety requirements.
- Four quadrant center averaging airflow sensor.
- Variety of pneumatic, analog, and factory mounted direct digital control packages for pressure dependent and pressure independent systems.
- ETL Listed as an entire assembly under UL 1996.
- See Page A2-16 for electric heat standard features.

OPTIONAL FEATURES*

- LineaHeat solid state electronic proportional control of electric heat.
- 20 Gauge galvanized steel casing construction.
- Liners: 1/2" Cellular Insulation, 1" Dual Density Fiberglass Insulation, Sterilwall, Steriliner, Perforated Doublewall, or no liner.
- Linear averaging airflow sensor.
- Left or right-hand control & electric heat enclosure.
- Fused or non-fused door interlocking heater disconnect switch.
- Fuse block with fuses for primary overload protection.
- AC solid state relays.
- Dust tight construction.
- Hanger brackets.