

PHYSICAL DIMENSIONS				
DIM	AV-12A	AV-16A	AV-20A	AV-24A
A	15-13/16	19-13/16	23-13/16	27-7/8
mm	401	503	605	707
B	19-7/16	23-1/2	27-1/2	31-1/2
mm	494	596	698	800
C	4-3/16	4-3/16	4-3/16	4-3/16
mm	107	107	107	107
D	7-15/16	7-9/16	7-3/16	6-7/8
mm	201	192	183	174
E	23-5/8	23-5/8	23-5/8	23-5/8
mm	600	600	600	600
F	18-3/16	22-3/16	26-3/16	30-3/16
mm	462	564	665	766
G	9/16	9/16	9/16	9/16
mm	14.3	14.3	14.3	14.3
H	23-7/8	27-7/8	31-7/8	35-7/8
mm	606.5	708.5	809.5	911.5
I	1-9/16	1-9/16	1-9/16	1-9/16
mm	39	39	39	39
J	5/8	5/8	5/8	5/8
mm	16	16	16	16
K	11-13/16	11-13/16	15-11/16	15-11/16
mm	300	300	398	398

VERTICAL THROW MODEL SPECS.

BASE MODEL	AIR DELIVERY CFM (Ft ³ /Min.)	APPROX. AIR VELOCITY (Ft/Min.)	MAX. MOUNTING HEIGHT (Ft)	SPREAD (Ft)	NET WEIGHT (Lbs)	SHIPPING WEIGHT (Lbs)
AV-12A-A	1150	1441	12	10	121	165
AV-12A-B	1160	1454	12	10	128	172
AV-12A-C1	1030	1291	12	10	133	177
AV-16A-A	1840	1301	16	14	151	195
AV-16A-B	1780	1259	16	14	158	202
AV-16A-C1	1840	1301	16	14	170	214
AV-20A-A	2930	1499	18	16	180	224
AV-20A-B	2700	1382	18	16	190	234
AV-20A-C1	3000	1535	18	16	215	259
AV-24A-A	3890	1288	20	18	209	269
AV-24A-B	3640	1205	20	18	232	292
AV-24A-C1	3490	1115	20	18	278	338

AV MODEL CODING

AV - 12 A - A 1 A 1 - A 1 - 1 A

FAN	
12"	12A
16"	16A
20"	20A
24"	24A

FINNED TUBING					
TUBING	WALL THICKNESS	ROWS	FIN/INCH	MAT'L	TYPE
5/8"	0.065"	3	10	AL	TW A
1"	0.083"	2	9	AL	EX B
1"	0.135"	2	5	AL	EX C

TUBE SIDE PASSES	
1-PASS	1
3-PASS	3
5-PASS	5
7-PASS	7

CONNECTIONS	
1 1/2" NPT MALE SCH. 40	A
1 1/2" 300# RF FLANGE	B
2" NPT MALE SCH. 80	C
2" 300# RF FLANGE	D

EXCHANGER COATINGS	
HEAT RESISTANT ALUMINUM PAINT	1
HERESITE® PHENOLIC COATING	2

MOTOR ELECTRICAL SPECS.			
	VOLTS	PHASE	HERTZ
A	115	1	60
B	208	1	60
C	208	3	60
D	230	1	60
E	230	3	60
F	460	1	60
G	460	3	60
H	575	3	60
I	220	1	50
J	380	3	50
K	440	3	50

MOTOR ENCLOSURE	
1	TOTALLY ENCLOSED
2	X-PROOF, GROUPS C,D, E,F&G

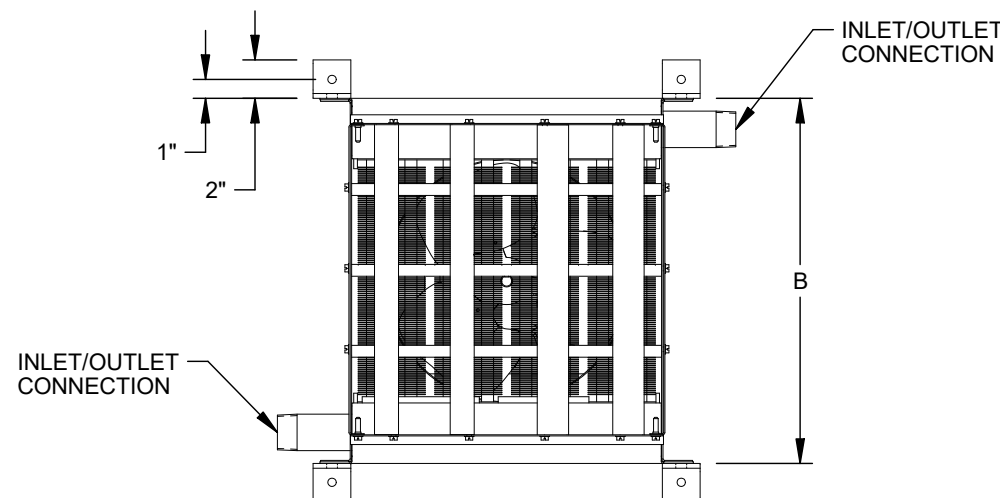
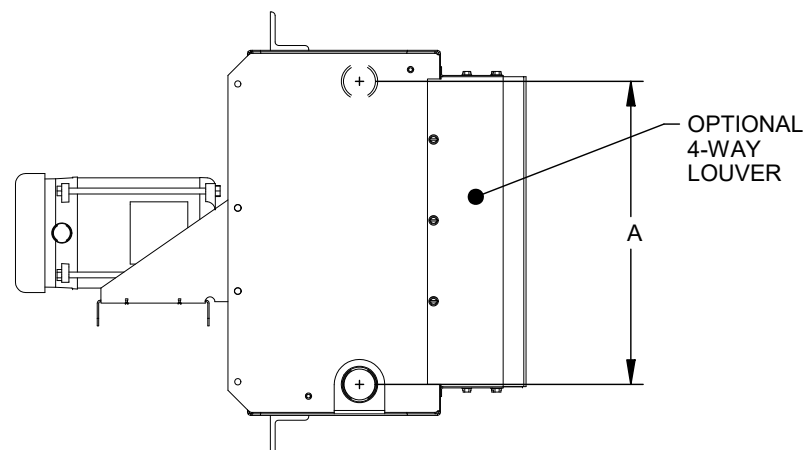
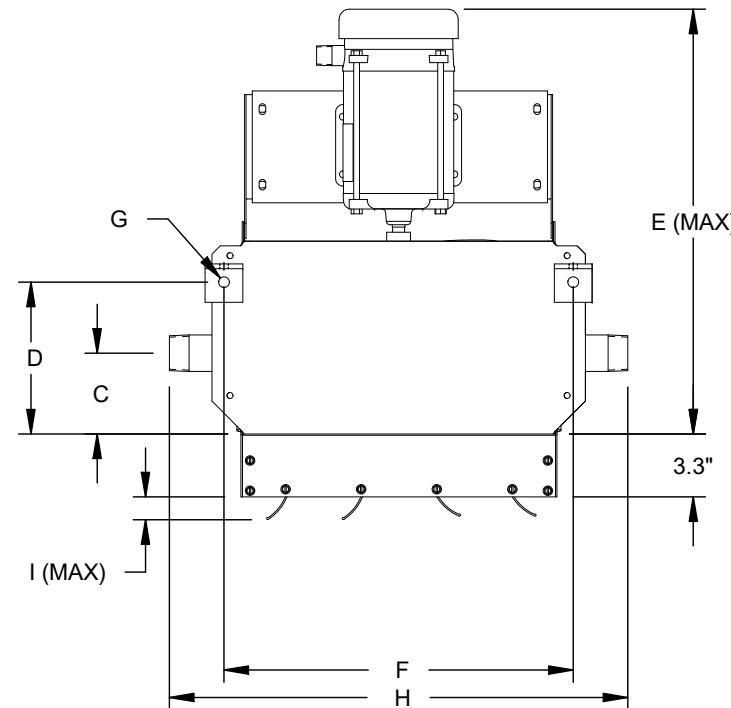
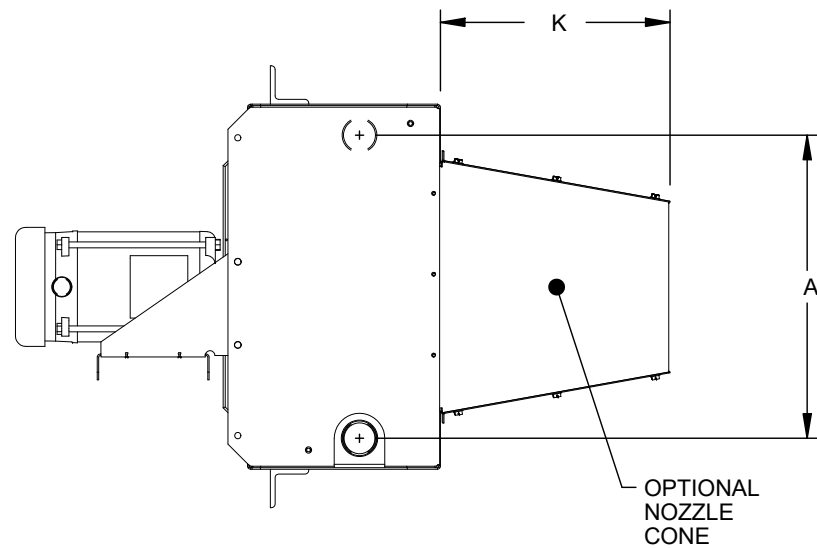
DISCHARGE TYPE	
1	2-WAY LOUVERS
2	NOZZLE
3	4-WAY LOUVERS

CABINET MATERIAL	
A	EPOXY POWDER COATED CARBON STEEL
B	HERESITE® PHENOLIC COATED CARBON STEEL

- NOTES:
- HERESITE® COATED EXCHANGERS & CABINETS REQUIRE 6 TO 10 WEEKS TO SHIP.
 - LOUVERS AND FAN BLADES ARE ALSO HERESITE® COATED.
 - CONTACT FACTORY FOR LEAD TIMES
 - MOTOR DESIGNED TO BE USED AT RATED VOLTAGE WITH TOLERANCES OF ±5%
 - MOTOR MAY BE MARKED 230 VOLTS, BUT IS SUITABLE FOR 208V OPERATION.
 - ONLY AVAILABLE IN SINGLE PASS.
 - SUITABLE FOR CLASS I & II, DIVISIONS 1 & 2

NOTES:

- MAX. OPERATING PRESS.: 450 PSI
- MAX. OPERATING TEMP.: 650°F
- FLUID CONNECTIONS: 1 1/2" NPT MALE SCH. 40, 1 1/2" 300# RF FLANGES, 2" NPT MALE SCH. 80, OR 2" 300# RF FLANGES
- MATERIALS:
 - CABINET: 14 GA EPOXY POWDER COATED RUFFNECK GREEN
 - CORE:
 - Ø5/8" O.D. x 0.065" W.T. STEEL TUBE w/ TENSION WOUND ALUMINUM FINNS @ 10 FINNS PER INCH.
 - Ø1" O.D. x 0.083" W.T. STEEL TUBE w/ EXTRUDED ALUMINUM FINNS @ 9 FINNS PER INCH.
 - Ø1" O.D. x 0.135" W.T. STEEL TUBE w/ EXTRUDED ALUMINUM FINNS @ 5 FINNS PER INCH.
- MOUNTING: USE 3/8" THREADED ROD FOR MOUNTING. (THREADED ROD NOT SUPPLIED) LEAVE AT LEAST 20" CLEARANCE BETWEEN THE REAR OF THE MOTOR TO THE NEAREST OBSTRUCTION.



1	REVISED WEIGHTS, ADDED 2" CONNECTIONS	20 DEC 2010	JH
REV.	REVISION DESCRIPTION	DATE	BY
TITLE: APPROVAL DATA SHEET ADVANCED VERTICAL HEATER			
DWG NO.: 50963	SHEET:	TOLERANCE UNLESS NOTED OTHERWISE	
SYTLINE NO.: N/A		± 1/2° ANGULAR	± 0.005" DECIMAL
SCALE: NTS		± 1/16" FRACTIONAL	± 1 mm METRIC
DRN BY: nsanchez	11 Jan 2007		
CHK'D BY:			
APPD. BY:			

