

1. SPECIFICATIONS

MODEL NO.	CAPACITY @ 45°F SST ENT 80°F DB/67°F WB		ROWS / TUBE	REFRIGERANT CONNECTIONS		AIR FILTER SIZE	APPROX. WEIGHT	
	TONS	KCal/HR		LIQUID LINE	SUCTION LINE		LBS	KG
<input type="checkbox"/> AHX10-H-DX-01.5-0600	1.5	4530	3 / 3/8"	3/8" O.D.	3/4" O.D.	16" x 25" x 1"	200	91
<input type="checkbox"/> AHX10-H-DX-02.0-0800	2	6,040	3 / 3/8"	3/8" O.D.	3/4" O.D.	16" x 25" x 2"	200	91
<input type="checkbox"/> AHX10-H-DX-03.0-1200	3	9,060	3 / 3/8"	3/8" O.D.	3/4" O.D.	(2) 16" x 16" x 1"	230	154
<input type="checkbox"/> AHX10-H-DX-04.0-1600	4	12,080	3 / 3/8"	1/2" O.D.	7/8" O.D.	(2) 16" x 20" x 1"	260	118
<input type="checkbox"/> AHX10-H-DX-05.0-2000	5	15,100	3 / 3/8"	1/2" O.D.	1-1/8" O.D.	(2) 20" x 20" x 2"	300	136
<input type="checkbox"/> AHX10-H-DX-07.5-3000	7.5	22,650	3 / 1/2"	5/8" O.D.	1-1/8" O.D.	(3) 16" x 32" x 2"	440	200
<input type="checkbox"/> AHX10-H-DX-10.0-4000	10	30,200	3 / 1/2"	5/8" O.D.	1-3/8" O.D.	(3) 16" x 32" x 1"	550	250

2. DIMENSIONS

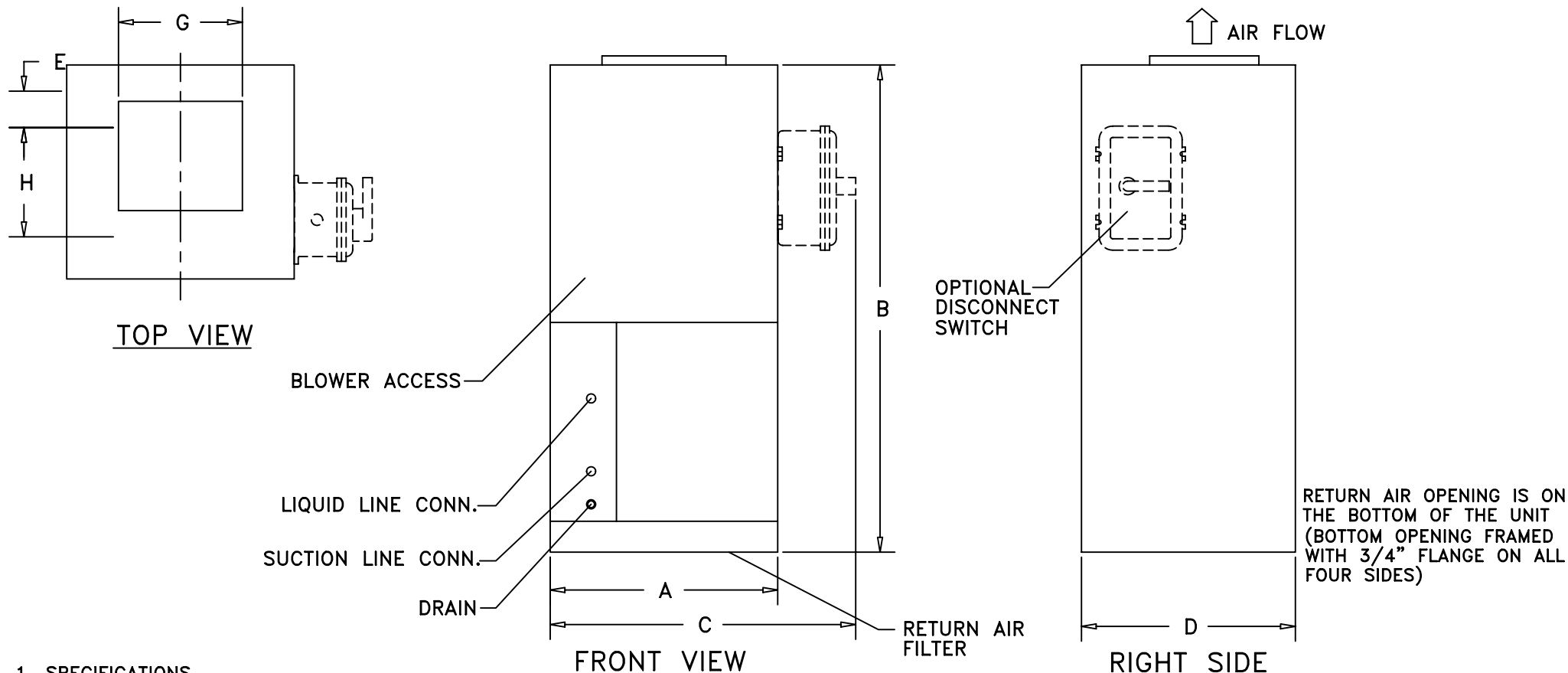
MODEL NO.	A		B		C		D		E		F		AIR DISCHARGE OPENING ( GxH )	
	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
	<input type="checkbox"/> AHX10-H-DX-01.5-0600	27	686	18	457	37	940	37	940	18	457	16	406	8-3/4x10-7/8
<input type="checkbox"/> AHX10-H-DX-02.0-0800	27	686	18	457	37	940	37	940	18	457	16	406	8-3/4x10-7/8	313x276
<input type="checkbox"/> AHX10-H-DX-03.0-1200	36-1/2	927	18	457	46-1/2	1,181	37	940	27-1/2	699	16	406	12-5/16x10-7/8	313x276
<input type="checkbox"/> AHX10-H-DX-04.0-1600	38	965	22	559	48	1,219	39	991	29	737	20	508	9-1/2x14	346x302
<input type="checkbox"/> AHX10-H-DX-05.0-2000	45	1,143	22	559	55	1,397	42	1,067	36	914	20-1/4	508	13x14	324x359
<input type="checkbox"/> AHX10-H-DX-07.5-3000	54	1,448	27	864	67	1,702	52-1/2	1,334	48	1,219	32	813	13-1/4x16-3/4	337x416
<input type="checkbox"/> AHX10-H-DX-10.0-4000	57	1,448	34	864	67	1,702	52-1/2	1,334	48	1,219	32	813	13-1/4x16-3/4	486x416

3. NOTES

- (STANDARD) CARBON STEEL HOUSING WITH BAKED ENAMEL FINISH
- (OPTIONAL) CARBON STEEL HOUSING WITH EPOXY FINISH
- (OPTIONAL) TYPE 316 STAINLESS STEEL HOUSING EPOXY FINISHED INTERNAL METAL PARTS
- (STANDARD) COILS: COPPER TUBES WITH ALUMINUM FINS
- (OPTIONAL) COILS: COPPER TUBES WITH COPPER FINS
- (OPTIONAL) SaveCoil 101 COATED COILS
- (OPTIONAL) BLYGOLD POLUAL COATED COILS
- (OPTIONAL) ALL EXPOSED COPPER TUBING EPOXY PAINTED
- (OPTIONAL) REMOTE CONTROLS (THERMOSTAT & SELECTOR SWITCH)
- (OPTIONAL) ELECTRICAL CLASSIFICATION N.E.C. CLASS I GROUP D DIVISION 1

- (OPTIONAL) ELECTRICAL CLASSIFICATION N.E.C. CLASS I GROUP C&D DIVISION 1
- (OPTIONAL) ELECTRICAL CLASSIFICATION N.E.C. CLASS II GROUP E,F,G DIVISION 1
- (OPTIONAL) ELECTRICAL CLASSIFICATION N.E.C. CLASS I GROUP C&D DIVISION 2
- (OPTIONAL) ELECTRICAL CLASSIFICATION N.E.C. CLASS I GROUP B DIVISION 2
- (OPTIONAL) ELECTRICAL CLASSIFICATION N.E.C. CLASS I,II GROUP D,E DIVISION 1
- WIRE 115V/1Ø  -WIRE 208-230V/1Ø  -WIRE 208-230V/3Ø
- WIRE 440-460/3Ø
- TO BE FEILD WIRED

.X= ± 0.1" .XX= ± 0.05" .XXX= ± 0.01" FRACTIONS= ± 1/8" ANGLES= ± 1.0°		<p><b>SCIENTIFIC SYSTEMS CORPORATION</b> A Member of Marduk Holding Corp.</p>
MATRL	DRWN ML/LDT	
FINISH	CHKD	EXPLOSION PROOF AIR HANDLING UNIT ENGINEERING DATA SHEET
ACAD# 50270021	APVD	JOB# REV D DATE 09/95 DWG.# 027-50-0021 SCALE SHT OF



1. SPECIFICATIONS

MODEL NO.	FACE AREA		NOM. RATING		ROWS / TUBE	REFRIGERANT CONNECTIONS		AIR FILTER SIZE (PERMANENT TYPE)	APPROX. WEIGHT	
	ft <sup>2</sup>	M <sup>2</sup>	TONS	KCal/HR		LIQUID LINE	SUCTION LINE		LBS	KG
AHX10-V-DX-01.5-600	3.00	0.28	1.5	4,530	3 / 3/8"	3/8" O.D.	3/4" O.D.	20"X20"X1"	190	86
AHX10-V-DX-02.0-0800	3.00	0.28	2	6,040	3 / 3/8"	3/8" O.D.	3/4" O.D.	20"X20"X1"	190	86
AHX10-V-DX-03.0-1200	3.00	0.28	3	9,060	4 / 3/8"	3/8" O.D.	3/4" O.D.	20"X20"X1"	200	91
AHX10-V-DX-04.0-1600	4.00	0.37	4	12,080	4 / 3/8"	1/2" O.D.	7/8" O.D.	22-1/2"X22-1/2"X1"	250	113
AHX10-V-DX-05.0-2000	5.11	0.47	5	15,100	4 / 3/8"	1/2" O.D.	1-1/8" O.D.	(2) 16"X25"X1"	280	127

2. DIMENSIONS

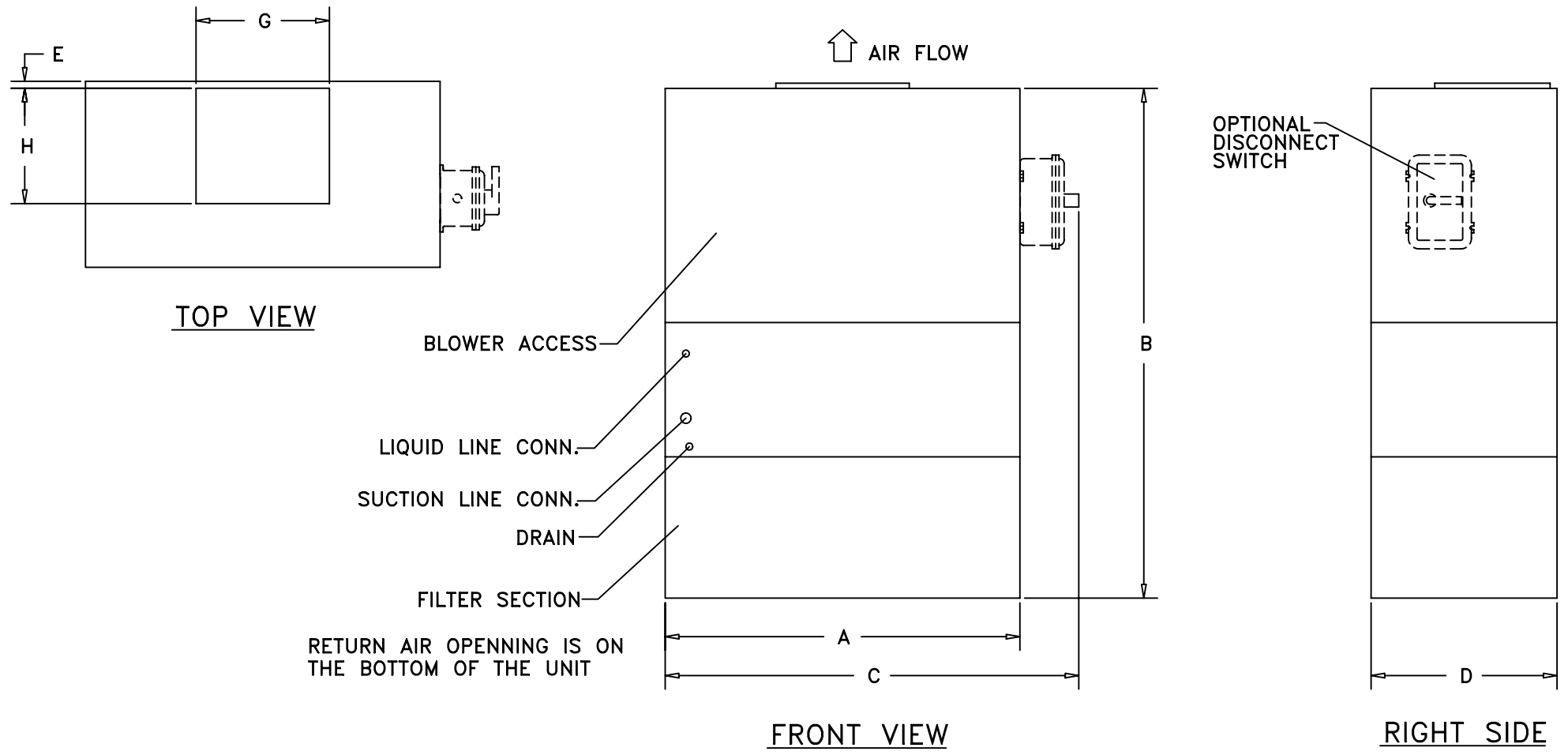
MODEL NO.	A		B		C		D		E		AIR DISCHARGE OPENNING ( GXH )	
	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
AHX10-V-DX-01.5-600	22	559	48	1,219	32	813	23-1/2	597	4	102	12-1/2X10-3/4	318X273
AHX10-V-DX-02.0-0800	22	559	48	1,219	32	813	23-1/2	597	4	102	12-1/2X10-3/4	318X273
AHX10-V-DX-03.0-1200	22	559	48	1,219	32	813	23-1/2	597	4	102	12-1/2X10-3/4	318X273
AHX10-V-DX-04.0-1600	25	635	53-1/2	1,359	35	889	23-1/2	597	4	102	13-5/8X12	346X305
AHX10-V-DX-05.0-2000	29-1/4	743	59-5/8	1,514	39-1/4	997	25-1/2	648	1	25	16-3/8X14	416X356

3. NOTES

- COOLING CAPACITY BASED ON 80°F DB / 67°F WB ENTERING AIR
- (STANDARD) BLOWER EXTERNAL STATIC PRESSURE 0.50" W.C.
- (HI-PRESSURE) BLOWER EXTERNAL STATIC PRESSURE 1.50" W.C.
- (STANDARD) CARBON STEEL HOUSING WITH BAKED ENAMEL FINISH
- (OPTIONAL) HOUSING AND ALL INTERNAL PARTS EPOXY COATED
- (STANDARD) COIL: COPPER TUBES WITH ALUMINUM FINES
- (OPTIONAL) COIL: COPPER TUBES WITH COPPER FINES
- (OPTIONAL) SaveCoil 101 COATED COIL
- (OPTIONAL) FACTORY INSTALLED DISCONNECT SWITCH
- (STANDARD) ELECTRICAL CLASSIFICATION N.E.C. CLASS I GROUP C&D DIVISION 2
- (OPTIONAL) ELECTRICAL CLASSIFICATION N.E.C. CLASS I GROUP C&D DIVISION 1
- (OPTIONAL) ELECTRICAL CLASSIFICATION N.E.C. CLASS II GROUP E,F,G DIVISION 1
- (OPTIONAL) ELECTRICAL CLASSIFICATION N.E.C. CLASS I GROUP B DIVISION 2
- (OPTIONAL) ELECTRICAL CLASSIFICATION N.E.C. CLASS I GROUP D DIVISION 1

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FRACTIONS= ± 1/8" ANGLES= ± 1.0°

SCIENTIFIC SYSTEMS CORP		ENGINEERING DATA SHEET		JOB#	
1.5-5 TON VERTICAL AIR HANDLING UNIT		REV C		DATE 11/97	
MATRL	DRWN L.M./M.L.	ACAD#	50270022	APVD	DWG.# 027-50-0022
FINISH	CHKD	SCALE		SHT	OF



BLOWER ACCESS

LIQUID LINE CONN.

SUCTION LINE CONN.

DRAIN

FILTER SECTION

RETURN AIR OPENNING IS ON THE BOTTOM OF THE UNIT

OPTIONAL DISCONNECT SWITCH

**1. SPECIFICATIONS**

MODEL NO.	FACE AREA		NOM. RATING		ROWS / TUBE	REFRIGERANT CONNECTIONS		AIR FILTER SIZE (PERMANENT TYPE)	APPROX. WEIGHT	
	ft <sup>2</sup>	M <sup>2</sup>	TONS	KCal/HR		LIQUID LINE	SUCTION LINE		LBS	KG
AHX10-V-3000-DX-***	7.34	0.68	7-1/2	22,650	4 / 3/8"	5/8" O.D.	1-1/8" O.D.	(3) 16" X 25" X 1"	450	204
AHX10-V-4000-DX-***	9.40	0.87	10	30,200	4 / 1/2"	5/8" O.D.	1-3/8" O.D.	(4) 20" X 25" X 1"	530	240

**2. DIMENSIONS**

MODEL NO.	A		B		C		D		E		AIR DISCHARGE OPENNING ( GXH )	
	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
AHX10-V-3000-DX-***	39	991	69	1,753	49	1,245	27	686	1	25	19-3/8 X 16-3/4	492 X 425
AHX10-V-4000-DX-***	51-1/2	1,308	74	1,880	61-1/2	1,562	27	686	1	25	19-3/8 X 16-3/4	492 X 425

.X= ± 0.1" .XX= ± 0.05" .XXX= ± 0.01"  
 FRACTIONS= ± 1/8" ANGLES= ± 1.0°

SCIENTIFIC SYSTEMS CORP

MATRL	DRWN	L.M.	7.5 AND 10 TON VERTICAL AIR HANDLING UNIT	JOB#
FINISH	CHKD		ENGINEERING DATA SHEET	REV DATE 07/92
ACAD#	50270023	APVD	DWG.# 027-50-0023	SCALE SHT OF