

VI. Terminal Units

Price Ind model SDV single duct terminal unit with field mounted controls (controls provided by others) per attached.

PROJECT: Honda ki Expansion	
LOCATION: Tallapoosa, Ga	January 17, 2014
ARCHITECT:	TBCo CONTACT: Daniel Maloy
ENGINEER:	PHONE NUMBER: (404) 351-1010
CONTRACTOR: Addison Smith Mechanical Contractor, Inc.	JOB NUMBER: 53902AD

TOM BARROW COMPANY

Atlanta * Albany * Ft. Myers * Jacksonville * Memphis * Nashville * Orlando * Pensacola * Savannah * Tampa



Terminals Submittals

Job Name: HONDA TERMINAL UNITS

Date Printed: 1/17/2014

Spec Section: 15 - HVAC

Contact: 2800 PLANT ATKINSON ROAD
SMYRNA, GA 30080



All-In-One Detailed Submittal Schedule Terminals

Date Printed: 1/17/2014
Job Name: HONDA TERMINAL UNITS

#	Qty	Model	Tag	Size 1	Inlet Dia	Max Prima (CFM)	Min Prima (CFM)	Heat Min (CFM)	Heat Max (CFM)	Inlet SP (in wg)	Down stre m (in wg)	Oper PD (in wg)	Min Dis. H (in)	Dis. W (in)	* Max Rad NC 2008	T Liner	Rehe at (CFM)	EAT (°F)	LAT (°F)	Rows	Coil	Sequ ence	Acc. 2	Static Submittal
2	1	SDV5	VAV-37-3	16	16	3000	750	0	0	1.00	0.25	0.01	18.00	24.00	28 (4)	FG50	1500	55.0	76.1	EC	Electri c	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) EC - Electric Coil 2000 - VAV - Field Installed Controls Supplied by Others PS - Protective Shroud																								
6	1	SDV5	VAV-37-4	7	7	500	125	0	0	1.00	0.25	0.06	10.00	12.00	20 (2)	FG50	375	55.0	80.3	EC	Electri c	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) EC - Electric Coil 2000 - VAV - Field Installed Controls Supplied by Others PS - Protective Shroud																								
7	1	SDV5	VAV-37-5	8	8	800	200	0	0	1.00	0.25	0.01	10.00	12.00	25 (2)	FG50	600	55.0	78.7	EC	Electri c	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) EC - Electric Coil 2000 - VAV - Field Installed Controls Supplied by Others PS - Protective Shroud																								
8	1	SDV5	VAV-37-6	12	12	1600	400	0	0	1.00	0.25	0.01	15.00	16.00		FG50	1200	55.0	76.1	EC	Electri c	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) EC - Electric Coil 2000 - VAV - Field Installed Controls Supplied by Others PS - Protective Shroud																								
9	1	SDV5	VAV-37-1	16	16	3000	750	0	0	1.00	0.25	0.01	18.00	24.00	28 (4)	FG50	1500	55.0	76.1	EC	Electri c	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) EC - Electric Coil 2000 - VAV - Field Installed Controls Supplied by Others PS - Protective Shroud																								
10	1	SDV5	VAV-37-2	16	16	3125	800	0	0	1.00	0.25	0.01	18.00	24.00	29 (4)	FG50	1800	55.0	86.6	EC	Electri c	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) EC - Electric Coil 2000 - VAV - Field Installed Controls Supplied by Others PS - Protective Shroud																								
11	1	SDV5	VAV-37-7	6	6	350	100	0	0	1.00	0.25	0.11	8.00	12.00		FG50	260	55.0	79.3	EC	Electri c	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) EC - Electric Coil 2000 - VAV - Field Installed Controls Supplied by Others PS - Protective Shroud																								
12	1	SDV5	VAV-37-8	6	6	350	100	0	0	1.00	0.25	0.11	8.00	12.00		FG50	260	55.0	79.3	EC	Electri c	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) EC - Electric Coil 2000 - VAV - Field Installed Controls Supplied by Others PS - Protective Shroud																								
13	1	SDV5	VAV-37-9	7	7	500	125	0	0	1.00	0.25	0.06	10.00	12.00	20 (2)	FG50	450	55.0	79.6	EC	Electri c	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) EC - Electric Coil 2000 - VAV - Field Installed Controls Supplied by Others PS - Protective Shroud																								
14	1	SDV5	FUTURE	7	7	500	125	0	0	1.00	0.25	0.06	10.00	12.00	20 (2)	FG50	450	55.0	79.6	EC	Electri c	2000	PS	237030, 253117
Desc.: FG50 - 1/2" Thick Fiberglass Liner (Standard) EC - Electric Coil 2000 - VAV - Field Installed Controls Supplied by Others PS - Protective Shroud																								

The order and sale are made pursuant to the terms of the Sales Agreement and the Sales Policies set out in the latest Customer Service Handbook.

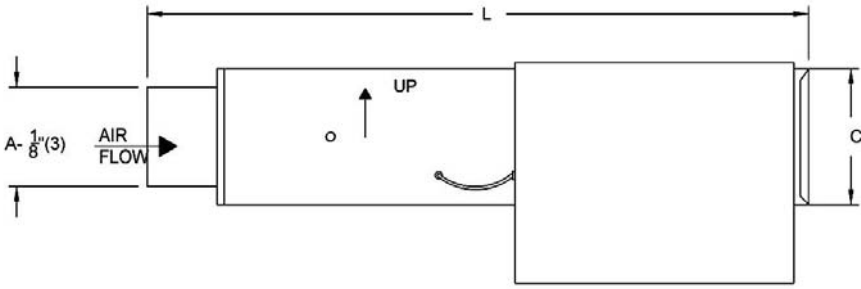


Performance Notes

Date Printed: 1/17/2014

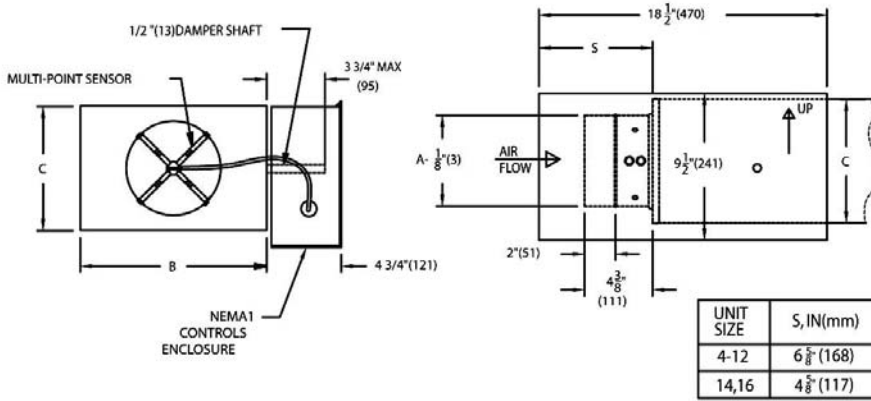
1. Dashes (--) indicate NC values less than 20.
2. NC values are calculated based on procedures outlined in AHRI Standard 885-2008, "A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets."
3. Sound power levels are given in decibels (dB).
4. Dashes (--) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.
5. Minimum operating pressure is the minimum static pressure required to operate the terminal unit assembly at maximum primary flow with a wide open damper.
6. Airflow is given in cubic feet per minute (cfm).
7. Air pressure drop is given in inches water gauge (in. w.g.), and water pressure drop is given in feet of water gauge (ft. w.g.).
8. NC values are derived from sound power levels obtained in accordance with ASHRAE Standard 130-2008 and AHRI Standard 880-2011, which include duct end reflection corrections.
9. * NC values are derived from sound power levels obtained in accordance with ASHRAE Standard 130-2008 and AHRI Standard 880-2008. This is NOT the current estimation methodology for NC values and does not include duct end reflection corrections.
10. Terminal unit assembly is ETL certified in accordance with UL1995 and CSA 22.2.236.

SDV5 Single Duct w/ Electric Coil



Unit Size	Max CFM	Outlet		Inlet	Length
		B	C	A	L
6	450	12	8	6	40 1/4
7	650	12	10	7	40 1/4
16	4000	24	18	16	40 1/4

Digital Controls



UNIT SIZE	S, IN(mm)
4-12	6 3/8" (168)
14,16	4 3/8" (117)

- Controls are supplied by controls contractor and field installed
- Controls Enclosure will be supplied as illustrated on right hand side unless specified otherwise
- Multi-point Primary Airflow Sensor supplied by Price

PROJECT: HONDA TERMINAL UNITS

ENGINEER:

DESCRIPTION: Single Duct - DDC By Others

SDV5//I/2000/16,6,7/FLD/CFM//EC/10.0,18.0,2.0,3.5/480-3/1/IDSW/FUS////////FG50//PS//////////

SUBMITTAL NO: 258148-A

CUSTOMER:

SUBMITTAL DATE: 1/17/2014

Notes

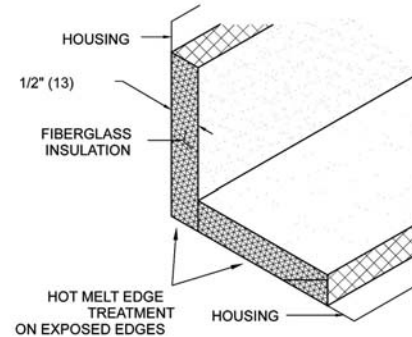
- 22 Ga. zinc coated terminal and 20 Ga. heater, mechanically sealed, leak resistant construction
- Rectangular discharge opening with slip and drive cleat duct connection

Liner FG50

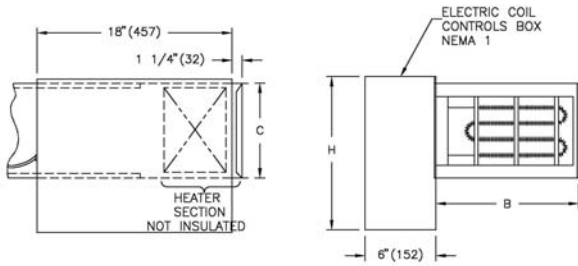
Internal Insulation – Fiberglass 1/2” (13mm) thick, min. 1.5# density, meets requirements of NFPA90A and UL 181. R-Value = 1.9



Assembly UL1995 & CSA236 certified



Electric Coil



Standard Coil Notes

- Automatic reset thermal cutout
- Manual reset thermal cutout
- Hinged access door
- Refer to submitted control diagrams for standard control components to be supplied
- 24 VAC / 50 VAC Class 2 Transformer
- Low watt density elements, high grade nickel-chrome alloy
- Air flow switch
- Single point electrical connection
- Magnetic Contactors

Electrical Configuration

Supply Voltage:
 • 480/3Ø (3 Wire)
 Stages/Control: 1

Selected Coil Features

- FUS - Main line fusing
- IDSW - Door Interlock Disconnect

Unit Size	B	C	H
6	12	8	12
7	12	10	12
16	24	18	17

PROJECT: HONDA TERMINAL UNITS

ENGINEER:

DESCRIPTION: Single Duct - DDC By Others

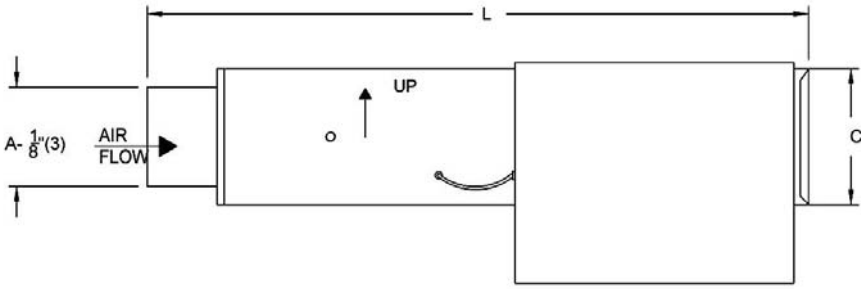
SDV5//I/2000/16,6,7/FLD/CFM//EC/10.0,18.0,2.0,3.5/480-3/1/IDSW/FUS////////FG50//PS//////////

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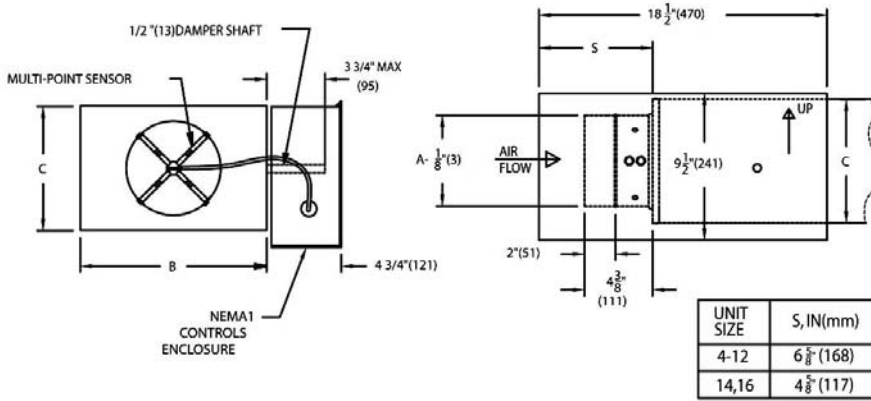
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SDV5 Single Duct w/ Electric Coil



Unit Size	Max CFM	Outlet		Inlet	Length
		B	C	A	L
7	650	12	10	7	40 1/4
8	800	12	10	8	40 1/4
12	2100	16	15	12	40 1/4

Digital Controls



- Controls are supplied by controls contractor and field installed
- Controls Enclosure will be supplied as illustrated on right hand side unless specified otherwise
- Multi-point Primary Airflow Sensor supplied by Price

PROJECT: HONDA TERMINAL UNITS

ENGINEER:

DESCRIPTION: Single Duct - DDC By Others

SDV5///2000/7,8,12/FLD/CFM//EC/3.0,4.5,8.0/480-3/SCRV//IDSW/FUS////////FG50//PS//////////SCR-112/

SUBMITTAL NO: 258148-A

CUSTOMER:

SUBMITTAL DATE: 1/17/2014

Notes

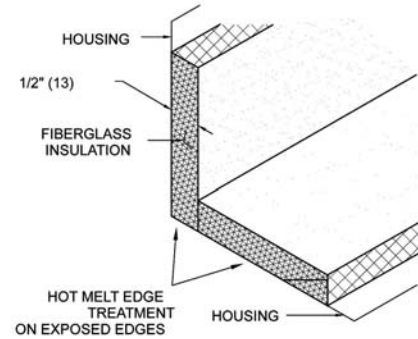
- 22 Ga. zinc coated terminal and 20 Ga. heater, mechanically sealed, leak resistant construction
- Rectangular discharge opening with slip and drive cleat duct connection

Liner FG50

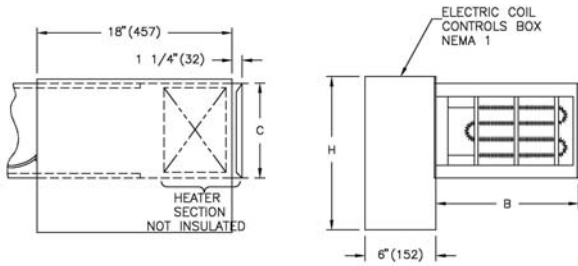
Internal Insulation – Fiberglass 1/2” (13mm) thick, min. 1.5# density, meets requirements of NFPA90A and UL 181. R-Value = 1.9



Assembly UL1995 & CSA236 certified



Electric Coil



Standard Coil Notes

- Automatic reset thermal cutout
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- Hinged access door
- Refer to submitted control diagrams for standard control components to be supplied
- 24 VAC / 50 VAC Class 2 Transformer
- Low watt density elements, high grade nickel-chrome alloy
- Air flow switch
- Single point electrical connection
- Magnetic Contactors

Electrical Configuration

Supply Voltage:
 • 480/3Ø (3 Wire)

Stages/Control: SCR/V

- SCR voltage control with 0-10 VDC control signal
- SCR-112 (3 Phase SCR, 10 Amps Max / 480 Volts Max)

Selected Coil Features

- FUS - Main line fusing
- IDSW - Door Interlock Disconnect

Unit Size	B	C	H
7	12	10	12
8	12	10	12
12	16	15	17

PROJECT: HONDA TERMINAL UNITS

ENGINEER:

DESCRIPTION: Single Duct - DDC By Others

SDV5///2000/7,8,12/FLD/CFM//EC/3.0,4.5,8.0/480-3/SCRV//IDSW/FUS////////FG50//PS//////////SCR-112/

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