

MECHANICAL LEGEND

SYMBOLS	DESCRIPTION
	RECTANGULAR DUCT SIZE FIRST DIMENSION IS SIDE DRAIN
	RECTANGULAR DUCT WITH DUCT LINER
	RIGID ROUND DUCTWORK
	RECTANGULAR TO ROUND DUCT TRANSITION
	FLEXIBLE DUCT CONNECTION
	ROUND DUCTWORK WITH DUCT LINER
	SQUARE DUCT ELBOW WITH TURNING VANES
	ADJUSTABLE DEFLECTOR VANES AT BRANCH DUCT-SEE DETAIL
	MANUAL VOLUME DAMPER
	SPLITTER DUCT WITH SPLIT DIMENSIONS SHOWN
	FIRE DAMPER - SEE DETAIL
	90-DEGREE DAMPER - SEE DETAIL
	BLEED-OFF SECURITY OPENING - SEE DETAIL
	COMBUSTION SECURITY OPENING FIRE DAMPER - SEE DETAIL
	DUCT OUTLET - ARROW INDICATES FLOW
	CONSIGNATE DRAIN PIPING
	DROOPING OR RISING PIPE
	PIPE TO OR FROM ABOVE
	WALL MOUNTED THERMOSTAT
	WALL MOUNTED FAN SWITCH
	WALL MOUNTED CARBON MONOXIDE DETECTOR
	FLOOR DRAIN
	CUBIC FEET PER MINUTE EQUIPMENT ON ROOF ABOVE

APPROX	APPROXIMATE
AUX	AUXILIARY
AUTO	AUTOMATIC
CFM	CUBIC FEET PER MINUTE
COND	CONDENSER
DA	DIAMETER
db	DRY BULB
ESP	EXTERNAL STATIC PRESSURE
EFF	EFFICIENCY
ELC	ELECTRIC
EVAP	EVAPORATION
FJA	FULL LOAD AMPERAGE
FPM	FEET PER MINUTE
FT	FEET
GA	GAUGE
HP	HORSE POWER
HEX	HEXAGON
H	HEIGHT
IN. WG	INCHES WATER GAUGE
KW	KILOWATTS
MAX	MAXIMUM
MSH	MINUTE X 1000
MIN	MINIMUM
NO	NUMBER
OA	OUTDOOR AIR
O.C.	ON CENTER
PD	PRESSURE DROP
RPM	REVOLUTIONS PER MINUTE
S.P.	STATIC PRESSURE
U.C.	UNDERCUT DOOR 3/4"
UL	UNDERLIES LABORATORIES
Z1	TEMPERATURE DIFFERENCE
wt	WEIGHT
Y	YOUNG'S MODULUS
Y	CUBIC FEET PER MINUTE

VARIABLE AIR VOLUME UNIT SCHEDULE

MARK	CARRIER MODEL NO.	SYSTEM	INLET SIZE INCHES	MAX PRIMARY CFT	MIN CFT	ELECTRIC		HEAT KW	NOTES
						PHASE	INS		
VAN-A1	3SEC/3	RTU-A1	5	210	0.75	17	43	12,24,45,6,1,8	
VAN-A2	3SEC/3		5	950	360	0.75	43	12,24,45,6,1,8	
VAN-A3	3SEC/3		6	450	200	0.75	21	12,24,45,6,1,8	
VAN-A4	3SEC/3		6	450	200	0.75	21	12,24,45,6,1,8	
VAN-B1	3SEC/3		8	1,050	450	0.75	43	12,24,45,6,1,8	
VAN-B2	3SEC/3		8	1,050	450	0.75	43	12,24,45,6,1,8	
VAN-B3	3SEC/3		1	1,050	210	0.75	21	12,24,45,6,1,8	
VAN-B4	3SEC/3		1	1,050	210	0.75	21	12,24,45,6,1,8	
VAN-A5	3SEC/3		10	1,500	560	0.75	62	12,24,45,6,1,8	
VAN-A6	3SEC/3		6	360	145	0.75	21	12,24,45,6,1,8	
VAN-A7	3SEC/3		14	25,0	10,0	0.75	19	12,24,45,6,1,8	
VAN-A8	3SEC/3		5	300	10	0.75	17	12,24,45,6,1,8	
VAN-A9	3SEC/3		5	300	10	0.75	17	12,24,45,6,1,8	
VAN-A10	3SEC/3		1	635	255	0.75	23	12,24,45,6,1,8	
VAN-A11	3SEC/3		5	240	100	0.75	17	12,24,45,6,1,8	
VAN-A12	3SEC/3		1	845	270	0.75	23	12,24,45,6,1,8	
VAN-A13	3SEC/3		5	280	115	0.75	17	12,24,45,6,1,8	
VAN-A14	3SEC/3		12	1460	595	0.75	81	12,24,45,6,1,8	
VAN-A15	3SEC/3		1	560	210	0.75	23	12,24,45,6,1,8	
VAN-C1	3SEC/3	RTU-C1	12	1500	595	0.75	81	12,24,45,6,1,8	
VAN-C2	3SEC/3		5	815	240	0.75	23	12,24,45,6,1,8	
VAN-C3	3SEC/3		1	550	210	0.75	23	12,24,45,6,1,8	
VAN-C4	3SEC/3		6	450	185	0.75	21	12,24,45,6,1,8	
VAN-C5	3SEC/3		6	450	185	0.75	21	12,24,45,6,1,8	
VAN-C6	UNITED								
VAN-C7	3SEC/3		6	410	390	0.75	21	12,24,45,6,1,8	
VAN-C8	3SEC/3		12	1500	600	0.75	81	12,24,45,6,1,8	
VAN-C9	UNITED								
VAN-C10	3SEC/3		1	510	210	0.75	23	12,24,45,6,1,8	
VAN-C11	3SEC/3		8	850	340	0.75	33	12,24,45,6,1,8	
VAN-C12	3SEC/3		10	1150	450	0.75	62	12,24,45,6,1,8	
VAN-C13	3SEC/3		10	1150	450	0.75	62	12,24,45,6,1,8	
VAN-C14	3SEC/3		5	340	140	0.75	17	12,24,45,6,1,8	
VAN-C15	3SEC/3		8	1,095	255	0.75	33	12,24,45,6,1,8	
VAN-C16	3SEC/3		9	1,095	440	0.75	43	12,24,45,6,1,8	
VAN-C17	3SEC/3		5	360	195	0.75	17	12,24,45,6,1,8	
VAN-C18	3SEC/3		5	955	380	0.75	43	12,24,45,6,1,8	
VAN-C19	3SEC/3		5	955	440	0.75	43	12,24,45,6,1,8	
VAN-C20	3SEC/3		10	1160	460	0.75	62	12,24,45,6,1,8	
VAN-C21	3SEC/3								

1. SINGLE DUCT VARIABLE AIR VOLUME TERMINAL UNIT
2. PRESSURE INDEPENDENT OPERATION
3. PROVIDE ELECTRIC REHEAT COIL AT DISCHARGE
4. PROVIDE DDC INTERFACE MODULE TO BE COMPATIBLE WITH BAS
5. DOUBLE WALL CONSTRUCTION WITH 1" THICK SANDWICHED INSULATION
6. PROVIDE 24V ELECTRIC DAMPER ACTUATOR
7. INSTALL UNIT 90 AS TO MAINTAIN ACCESS TO CONTROL PANEL AND A
8. SEE DETAIL

EXHAUST FAN SCHEDULE

MARK	CARVER MODEL No.	CRM	APPROX. NUS	ESP	FAN RPM	MOTOR HP	MAX SONES	NOTES
EF-A1	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-A2	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-A3	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-A4	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-A5	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-A6	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-A7	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-A8	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-B1	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-B2	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-B3	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-B4	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-C1	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-C2	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-C3	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-C4	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-C5	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-C6	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-C7	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-C8	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-C9	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-D1	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-D2	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-D3	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-D4	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-D5	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-D6	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-D7	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-D8	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-D9	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-E1	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-E2	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-E3	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-E4	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-E5	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-E6	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-E7	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-E8	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6
EF-E9	VERK06 WJPCF	T5	0003	0.25	900	1/6	3.0	13.45±6

1. ROOF MOUNTED CENTRIFUGAL EXHAUST FAN

2. 1/2" DIA. 1/2" THICK FLAT FLANGE

3. 1/2" DIA. 1/2" THICK FLAT FLANGE

4. 1/2" DIA. 1/2" THICK FLAT FLANGE

5. 1/2" DIA. 1/2" THICK FLAT FLANGE

6. 1/2" DIA. 1/2" THICK FLAT FLANGE

7. 1/2" DIA. 1/2" THICK FLAT FLANGE

8. 1/2" DIA. 1/2" THICK FLAT FLANGE

9. 1/2" DIA. 1/2" THICK FLAT FLANGE

10. 1/2" DIA. 1/2" THICK FLAT FLANGE

11. 1/2" DIA. 1/2" THICK FLAT FLANGE

12. 1/2" DIA. 1/2" THICK FLAT FLANGE

13. 1/2" DIA. 1/2" THICK FLAT FLANGE

14. 1/2" DIA. 1/2" THICK FLAT FLANGE

15. 1/2" DIA. 1/2" THICK FLAT FLANGE

16. 1/2" DIA. 1/2" THICK FLAT FLANGE

17. 1/2" DIA. 1/2" THICK FLAT FLANGE

18. 1/2" DIA. 1/2" THICK FLAT FLANGE

19. 1/2" DIA. 1/2" THICK FLAT FLANGE

20. 1/2" DIA. 1/2" THICK FLAT FLANGE

21. 1/2" DIA. 1/2" THICK FLAT FLANGE

22. 1/2" DIA. 1/2" THICK FLAT FLANGE

23. 1/2" DIA. 1/2" TH

5. PROVIDE ROOF CHIBB SLOPED TO MATCH ROOF SLOPE
6. PROVIDE BRICKS AND GRAVITY BACKSIGHT DRAINER
7. ALL SHEET PAN OR LISTED AS FULL SLOPE PAN SHALL OPERATE AT MIN 50% CAPACITY AND GO TO 100% FULL CAPACITY DURING A SMOKE / FIRE EVENT. EVEN WITH 24" TALL ROOF CHIBB SEE DETAIL
8. MAIN EXHAUSTER IS CAPABLE FOR KITCHEN VENTILATION SYSTEMS EQUIPMENT.
9. SEE SCHEDULES ON SHEET M41 AND 42 FOR ADDITIONAL INFORMATION.

DUCTLESS SPLIT SYSTEM SCHEDULE

MARK	CARRIER MODEL	AIR FLOW COOLING CAPACITY BTU/H	CONDENSING CAPACITY BTU/H	EFFICIENCY SEER / EER	NOTES
D56-AI	INDOOR (44U)	840	34.0	12.0/10.5	12.4/5h
	OUTDOOR (22U)	384C0206			
	400A0206-3				
	384C0206				
D56-BI	INDOOR (44U)	840	34.0	12.0/10.5	12.4/5h
	OUTDOOR (22U)	384C0206			
	400A0206-3				
	384C0206				
D56-CI	INDOOR (44U)	840	34.0	12.0/10.5	12.4/5h
	OUTDOOR (22U)	384C0206			
	400A0206-3				
	384C0206				
D56-C2	INDOOR (44U)	752	31.0	10.0 / 9.2	12.3/5h
	OUTDOOR (22U)	38 BK 0009			
	400A0206-3				
	384C0206				
D56-C3	INDOOR (44U)	752	31.0	10.0 / 9.2	12.3/5h
	OUTDOOR (22U)	38 BK 0009			
	400A0206-3				
	384C0206				
D56-C4	INDOOR (44U)	752	31.0	10.0 / 9.2	12.3/5h
	OUTDOOR (22U)	38 BK 0009			
	400A0206-3				
	384C0206				
D56-D	INDOOR (44U)	840	34.0	12.0/10.5	12.4/5h
	OUTDOOR (22U)	384C0206			
	400A0206-3				
	384C0206				
D56-EI	INDOOR (44U)	752	31.0	10.0 / 9.2	12.3/5h
	OUTDOOR (22U)	38 BK 0009			
	400A0206-3				
	384C0206				
D56-E2	INDOOR (44U)	752	31.0	12.0/10.5	12.4/5h
	OUTDOOR (22U)	384C0206			
	400A0206-3				
	384C0206				

1. THE STANDARD COOLING CAPACITIES ARE RATED AT 95°F AMBIENT AND 60°F DB/67°F WB AIR ENTERING EVAPORATOR.
2. THE 9FL1T SYSTEM IS DESIGNED FOR THE MAIN POWER SUPPLY TO BE CONNECTED TO THE OUT DOOR UNIT. THE AIR COOL COILS ARE LOCATED IN THE OUT DOOR UNIT. THE REFRIGERANT LINE SETS ARE LOCATED IN THE OUT DOOR UNIT. BE SURE COILS ARE CONCENTRATED IN THE REFRIGERANT LINE SETS. THE ELECTRICAL CONNECTIONS AND CONDENSING, IE: DISCONNECTS, BREAKERS, ETC. AS MAY BE REQUIRED DUE TO PROVIDING ALTERNATE EQUIPMENT SYSTEM.
3. HIGH WALL HEAT PUMP SYSTEM.
4. UNDER CEILING COOLING ONLY SYSTEM.

OUTSIDE AIR INTAKE HOOD SCHEDULE

MARK	CARRIER MODEL NUMBER	AREALOW OPT	THROAT AREA (SQ. FT.)	THROAT SIZE (INCHES)	MAX. VELOCITY (FPM)	NOTES
04AH-B1	G16S070678	25000	5.4	28 x 28	5000	12,3.
04AH-C1	G16S070678	25000	5.4	28 x 28	5000	12.
04AH-C2	G16S070678	25000	5.4	28 x 28	5000	12,3.
04AH-C3	G16S070678	25000	5.4	28 x 28	5000	12,3.

1. MAXIMUM PRESSURE DROP THROUGH HOOD IS 0.10 INCHES WATER COLUMN H₂O
2. PROVIDE SECURITY BARS IN ROOF CURBS.
3. PROVIDE AUTOMATIC GRAVITY INLET DAMPERS.
4. NOT USED.
5. NOT USED.

GRILLE SCHEDULE

[illegible]

- [illegible]

ROOFTOP AIR CONDITIONING UNIT SCHEDULE

MARK	MODEL NO.	TOTAL COOLING CAP	SEMI-REFRIG. TON	SUPPLY COOLING TON	TOTAL SUPPLY CAP	MIN. OA FAN	APPROX. SUPPLY		GAS HEATING		DESCRIPTION	NOTES
							ESP. NUS	FAN HP	INLET 50T. BTU/H	OUTLET 50T. BTU/H		
RTU-A1	48AC00400	415.0	331.0	1400.0	1400.0	1400	7.5	507	531.5	400.0	338.0	12.4, 5.6, 1.9, 3.0
RTU-A2	48T000005	483.0	395	450	450	2000	0.8	0.83	512	75.0	60.0	12.3, 5.6, 1.9, 3.0
RTU-B1	48T000001	76.2	54.9	2400	2400	360	0.8	2.0	15.0	-	51.0	12.4, 5.6, 1.9, 3.0
RTU-B2	48T000006	60.5	45.3	2000	3000	0.8	1-1/2	15.0	-	51.0	0.0	12.4, 5.6, 1.9, 3.0
RTU-C1	48T000008	345	35.5	1500	3000	0.8	0.83	515	75.0	60.0	60.0	12.3, 5.6, 1.9, 3.0
RTU-C2	48T000009	916	64.8	3000	3000	0.8	2.0	120.0	90.0	144.0	10.0	12.4, 5.6, 1.9, 3.0
RTU-C3	48T000020	245.0	198.0	8000	1000	1000	1.6	10.0	200.0	235.0	273.0	12.4, 5.6, 1.9, 3.0
RTU-C4	48Z000010	833.0	607.0	24000	367.5	3.0	4.0	263.5	263.5	512.0	51.0	12.4, 5.6, 1.9, 3.0
RTU-D1	48T000012	0.0	9.4	4000	6000	0.8	3.0	100.0	27.0	179.2	179.2	12.4, 5.6, 1.9, 3.0
RTU-D2	48T000008	9.6	68.8	3000	450	0.8	2.0	120.0	90.0	144.0	10.0	12.4, 5.6, 1.9, 3.0
RTU-D3	48T000009	916	64.8	3000	3000	0.8	2.0	120.0	90.0	144.0	10.0	12.4, 5.6, 1.9, 3.0
RTU-D4	48T000012	0.0	9.4	4000	6000	0.8	3.0	100.0	27.0	179.2	179.2	12.4, 5.6, 1.9, 3.0
RTU-D5	48T000008	48.8	39.5	450	450	2000	0.8	0.83	512	75.0	60.0	12.3, 5.6, 1.9, 3.0
RTU-D6	48T000004	36.6	26.0	1200	180	180	0.6	3/4	14.0	-	51.0	12.3, 5.6, 1.9, 3.0
RTU-D7	48T000008	916	68.8	3000	450	0.8	2.0	120.0	90.0	144.0	10.0	12.4, 5.6, 1.9, 3.0
RTU-D8	48T000008	916	68.8	3000	450	0.8	2.0	120.0	90.0	144.0	10.0	12.4, 5.6, 1.9, 3.0
RTU-D9	48T000008	916	68.8	3000	450	0.8	2.0	120.0	90.0	144.0	10.0	12.4, 5.6, 1.9, 3.0
RTU-D10	48T000004	36.6	26.0	1200	180	180	0.6	3/4	14.0	-	51.0	12.3, 5.6, 1.9, 3.0
RTU-E1	48T000004	36.6	26.0	1200	180	180	0.6	3/4	14.0	-	51.0	12.3, 5.6, 1.9, 3.0
RTU-E2	48T000004	36.6	26.0	1200	180	180	0.6	3/4	14.0	-	51.0	12.3, 5.6, 1.9, 3.0
RTU-E3	48T000004	36.6	26.0	1200	180	180	0.6	3/4	14.0	-	51.0	12.3, 5.6, 1.9, 3.0
RTU-F1	48T000010	0.0	9.4	4000	6000	0.8	3.0	100.0	27.0	179.2	179.2	12.4, 5.6, 1.9, 3.0
RTU-F2	48T000008	916	68.8	3000	450	0.8	2.0	120.0	90.0	144.0	10.0	12.4, 5.6, 1.9, 3.0
RTU-F3	48T000008	916	68.8	3000	450	0.8	2.0	120.0	90.0	144.0	10.0	12.4, 5.6, 1.9, 3.0
RTU-F4	48T000012	0.0	9.4	4000	6000	0.8	3.0	100.0	27.0	179.2	179.2	12.4, 5.6, 1.9, 3.0
RTU-F5	48T000008	48.8	39.5	450	450	2000	0.8	0.83	512	75.0	60.0	12.3, 5.6, 1.9, 3.0
RTU-F6	48T000004	36.6	26.0	1200	180	180	0.6	3/4	14.0	-	51.0	12.3, 5.6, 1.9, 3.0
RTU-F7	48T000004	36.6	26.0	1200	180	180	0.6	3/4	14.0	-	51.0	12.3, 5.6, 1.9, 3.0
RTU-F8	48T000008	916	68.8	3000	450	0.8	2.0	120.0	90.0	144.0	10.0	12.4, 5.6, 1.9, 3.0
RTU-F9	48T000008	916	68.8	3000	450	0.8	2.0	120.0	90.0	144.0	10.0	12.4, 5.6, 1.9, 3.0
RTU-F10	48T000008	916	68.8	3000	450	0.8	2.0	120.0	90.0	144.0	10.0	12.4, 5.6, 1.9, 3.0

1. COOLING CAPACITIES BASED ON AIR ENTERING EVAPORATOR AT 60°Fdb, 50°Fwb AND 90°F AMBIENT AIR TEMPERATURE
2. MAX FLOW UNIT CAPACITY BASED ON 100% LOAD
3. MAX FLOW UNIT CAPACITY BASED ON 100% LOAD
4. MAX FLOW UNIT CAPACITY BASED ON 100% LOAD
5. MAX FLOW UNIT CAPACITY BASED ON 100% LOAD
6. MAX FLOW UNIT CAPACITY BASED ON 100% LOAD
7. MAX FLOW UNIT CAPACITY BASED ON 100% LOAD
8. MAX FLOW UNIT CAPACITY BASED ON 100% LOAD
9. MAX FLOW UNIT CAPACITY BASED ON 100% LOAD
10. MAX FLOW UNIT CAPACITY BASED ON 100% LOAD

GAS FIRED UNIT HEATER SCHEDULE

*MARK	REZONOR	MODEL	CTR1	CTR FLOW	HEATING CAP.	VENT	COMB	EFFIC.	NOTES	
				MTS/FW	FL A	OUTLET	APUE			
		UDAS - 100	3.9	95.0	871.5	4	4	83%	1.2.	
G4H-B2		UDAS - 100	3.9	95.0	871.5	4	4	83%	1.2.	
G4H-D1		UDAS - 30	456	6.66	15	36.0	24.6	4	62%	1.2.
G4H-E1		UDAS - 30	456	6.66	15	36.0	24.6	4	62%	1.2.

1. THE NATURAL GAS FIRED UNIT HEATER SHALL HAVE A SEALED COMBUSTION CHAMBER
2. PROVIDE A CONCENTRIC THRU ROOF COMBUSTION VENT AND AIR INTAKE FOR THIS UNIT.

ELECTRIC WALL HEATER SCHEDULE

MARK	SEED-1 MODEL NUMBER	HEATING OUTPUT MBH	W	CFM	AIR Δ T °F	NOTES
EH-B1	AH-36T	621	3.6	250	41°	12.3;
EHM-C1	AH-36T	621	3.6	250	41°	12.3;
EHM-C2	AH-36T	621	3.6	250	41°	12.3;
EHM-C3	AH-36T	621	3.6	250	41°	12.3;

1. SURFACE MOUNTED HEATER WITH INTEGRAL TAMPER-PROOF THERMOSTAT.
2. PROVIDE HEAVY DUTY FRONT GRILLE, THERMAL CUTOFF AND CONTACTOR
3. PROVIDE CIRCUIT BREAKER

MECHANICAL LEGEND

SYMBOLS	DESCRIPTION
	RECTANGULAR DUCT SIZE FIRST DIMENSION IS SIDE DRAWN
	RECTANGULAR DUCT WITH DUCT LINER
	RIGID ROUND DUCTWORK
	RECTANGULAR TO ROUND DUCT TRANSITION
	FLEXIBLE DUCT CONNECTION
	ROUND DUCTWORK WITH TEE
	SQUARE DUCT ELBOW WITH TURNING VANES
	ADJUSTABLE DEFLECTOR VANES AT BRANCH DUCT-SEE DETAIL
	MANUAL VOLUME DAMPER
	SPLITTER DUCT WITH SPLIT DIMENSIONS SHOWN
	FIRE DAMPER - SEE DETAIL
	90-DEGREE DAMPER - SEE DETAIL
	BLEED-OFF SECURITY OPENING - SEE DETAIL
	COMBUSTION SECURITY OPENING FIRE DAMPER - SEE DETAIL
	DUCT OFFSET - ARROW INDICATES RISE
	CONDENSATE DRAIN PIPING
	DROOPING OR RISING PIPE
	PIPE TO OR FROM ABOVE
	WALL MOUNTED THERMOSTAT
	WALL MOUNTED FAN SWITCH
	WALL MOUNTED CARBON MONOXIDE DETECTOR
	FLOOR DRAIN
	CUBIC FEET PER MINUTE EQUIPMENT ON ROOF ABOVE

APPROX	APPROXIMATE
AUX	AUXILIARY
AUTO	AUTOMATIC
CFM	CUBIC FEET PER MINUTE
COND	CONDENSER
DA	DIAMETER
db	DRY BULB
ESP	EXTERNAL STATIC PRESSURE
EFF	EFFICIENCY
ELC	ELECTRIC
EVAP	EVAPORATION
FJA	FULL LOAD AMPERAGE
FPM	FEET PER MINUTE
FT	FEET
GA	GAUGE
HP	HORSE POWER
HEX	HEXAGON
H	HEIGHT
IN. WG	INCHES WATER GAUGE
KW	KILOWATTS
MAX	MAXIMUM
MSH	MINUTE X 1000
MIN	MINIMUM
NO	NUMBER
OA	OUTDOOR AIR
O.C.	ON CENTER
PD	PRESSURE DROP
RPM	REVOLUTIONS PER MINUTE
S.P.	STATIC PRESSURE
U.C.	UNDERCUT DOOR 3/4"
UL	UNDERLIES LABORATORIES
Z1	TEMPERATURE DIFFERENCE
wt	WEIGHT
Y	YOUNG'S MODULUS
Y	CUBIC FEET PER MINUTE

VARIABLE AIR VOLUME UNIT SCHEDULE

MARK	CARRIER MODEL NO.	SYSTEM	INLET SIZE INCHES	MAX PRIMARY CFT	MIN CFT	PD INS	ELECTRIC KW	HEAT BTU	NOTES
VAN-A1	3SEC/3	RTU-A1	5	210	0.75	17	12.24x5.6x1.8		
VAN-A2	3SEC/3		5	950	360	0.75	43	12.24x5.6x1.8	
VAN-A3	3SEC/3		6	450	200	0.75	21	12.24x5.6x1.8	
VAN-A4	3SEC/3		6	450	200	0.75	21	12.24x5.6x1.8	
VAN-B1	3SEC/3		8	650	275	0.75	23	12.24x5.6x1.8	
VAN-B2	3SEC/3		8	650	275	0.75	23	12.24x5.6x1.8	
VAN-B3	3SEC/3		8	650	275	0.75	23	12.24x5.6x1.8	
VAN-B4	3SEC/3		1	165	218	0.75	6.2	12.24x5.6x1.8	
VAN-A5	3SEC/3		10	1350	550	0.75	6.2	12.24x5.6x1.8	
VAN-A6	3SEC/3		6	360	145	0.75	21	12.24x5.6x1.8	
VAN-A7	3SEC/3		14	2510	1010	0.75	119	12.24x5.6x1.8	
VAN-A8	3SEC/3		5	300	100	0.75	17	12.24x5.6x1.8	
VAN-A9	3SEC/3		5	300	100	0.75	17	12.24x5.6x1.8	
VAN-A10	3SEC/3		1	635	255	0.75	23	12.24x5.6x1.8	
VAN-A11	3SEC/3		5	240	100	0.75	17	12.24x5.6x1.8	
VAN-A12	3SEC/3		1	845	270	0.75	23	12.24x5.6x1.8	
VAN-A13	3SEC/3		5	280	115	0.75	17	12.24x5.6x1.8	
VAN-A14	3SEC/3		12	1460	595	0.75	81	12.24x5.6x1.8	
VAN-A15	3SEC/3		1	560	210	0.75	23	12.24x5.6x1.8	
VAN-C1	3SEC/3	RTU-C1	12	1500	595	0.75	81	12.24x5.6x1.8	
VAN-C2	3SEC/3		5	815	240	0.75	23	12.24x5.6x1.8	
VAN-C3	3SEC/3		1	550	210	0.75	23	12.24x5.6x1.8	
VAN-C4	3SEC/3		6	460	185	0.75	21	12.24x5.6x1.8	
VAN-C5	3SEC/3		6	460	185	0.75	21	12.24x5.6x1.8	
VAN-C6	UNITED								
VAN-C7	3SEC/3		6	410	190	0.75	21	12.24x5.6x1.8	
VAN-C8	3SEC/3		12	1500	600	0.75	81	12.24x5.6x1.8	
VAN-C9	UNITED								
VAN-C10	3SEC/3		1	510	210	0.75	23	12.24x5.6x1.8	
VAN-C11	3SEC/3		8	850	340	0.75	33	12.24x5.6x1.8	
VAN-C12	3SEC/3		10	1150	450	0.75	6.2	12.24x5.6x1.8	
VAN-C13	3SEC/3		10	1150	450	0.75	6.2	12.24x5.6x1.8	
VAN-C14	3SEC/3		5	340	140	0.75	17	12.24x5.6x1.8	
VAN-C15	3SEC/3		8	1390	255	0.75	33	12.24x5.6x1.8	
VAN-C16	3SEC/3		9	1095	440	0.75	43	12.24x5.6x1.8	
VAN-C17	3SEC/3		5	360	195	0.75	17	12.24x5.6x1.8	
VAN-C18	3SEC/3		5	955	380	0.75	43	12.24x5.6x1.8	
VAN-C19	3SEC/3		5	955	380	0.75	43	12.24x5.6x1.8	
VAN-C20	3SEC/3		10	1160	460	0.75	6.2	12.24x5.6x1.8	
VAN-C21	3SEC/3								

1. SINGLE DUCT VARIABLE AIR VOLUME TERMINAL UNIT
2. PRESSURE INDEPENDENT OPERATION
3. PROVIDE ELECTRIC REHEAT COIL AT DISCHARGE
4. PROVIDE DDC INTERFACE MODULE TO BE COMPATIBLE WITH BAS
5. DOUBLE WALL CONSTRUCTION WITH 1" THICK SANDWICHED INSULATION
6. PROVIDE 24V ELECTRIC DAMPER ACTUATOR
7. INSTALL UNIT 90 AS TO MAINTAIN ACCESS TO CONTROL PANEL AND A
8. SEE DETAIL