

PRIMARY AIR VALVE

FAN

UNIT SIZE	CFM	MIN. ϵ Ps (IN. W.G.)	ROOM NOISE CRITERIA (NC)					
			0.5" W.G. ϵ Ps		1.0" W.G. ϵ Ps		3.0" W.G. ϵ Ps	
			Dis.	Rad.	Dis.	Rad.	Dis.	Rad.
0404	100	.01	--	--	--	--	--	--
	150	.01	--	--	--	--	20	23
	200	.02	--	--	--	23	25	29
	250	.02	--	23	23	27	30	34
0504	100	.01	--	--	--	--	--	--
	200	.01	--	--	--	--	--	22
	300	.02	--	--	--	22	20	28
	350	.02	--	20	--	24	23	30
0604 0606	200	.03	--	--	--	--	--	22
	250	.04	--	--	--	--	--	24
	300	.06	--	--	--	--	--	25
	350	.08	--	--	--	20	--	28
	450	.14	--	22	--	25	24	32
550	.21	--	29	23	29	28	34	
0804 0806 0811	300	.01	--	--	--	--	--	29
	400	.03	--	--	--	20	--	32
	500	.04	--	--	--	23	22	33
	600	.06	--	22	--	25	25	35
	800	.10	--	27	20	30	29	38
1000	.15	20	32	24	35	32	40	
1006 1011 1018	600	.01	--	--	--	24	24	32
	800	.01	--	23	--	27	25	35
	1000	.01	--	25	--	29	28	37
	1200	.02	--	29	20	32	30	40
	1400	.02	--	33	23	33	33	42
	1600	.03	22	34	25	35	34	44
1211 1218 1221	800	.01	--	20	--	24	24	34
	1100	.02	--	24	--	28	28	37
	1400	.04	--	28	22	32	32	40
	1700	.06	--	32	24	34	35	45
	2000	.08	--	35	25	38	38	48
2300	.10	22	37	28	40	40	50	
1411 1418 1421 1424	1100	.02	--	--	--	23	25	33
	1500	.04	--	22	20	28	32	40
	1900	.06	--	24	24	33	35	44
	2300	.08	--	28	27	37	38	47
	2700	.12	22	30	28	38	43	50
3100	.15	25	33	30	42	47	52	
1621 1624	1600	.01	--	24	--	33	29	42
	2100	.02	--	28	23	37	33	47
	2600	.03	22	30	28	39	36	49
	3100	.04	24	35	33	42	40	50
	3600	.05	25	37	37	43	44	54
4100	.07	27	38	38	45	50	57	

UNIT SIZE	CFM	ROOM NOISE CRITERIA (NC)	
		Discharge	Radiated
0404	200	--	26
0504	300	--	32
0604	400	--	35
0804	450	--	36
0606	300	--	27
0806	400	--	34
1006	500	--	37
0811	400	--	29
1011	700	--	33
1211	1000	20	39
1018	800	--	33
1218	1100	--	35
1418	1400	20	37
1418	1800	28	43
1221	1200	--	34
1421	1600	20	38
1621	2000	28	43
1424	1500	--	35
1624	1900	23	39
1624	2400	30	44

DISCHARGE ATTENUATION VALUES	OCTAVE BAND					
	2	3	4	5	6	7
Small Box (< 300 CFM)	24	28	39	53	59	40
Medium Box (300-700 CFM)	27	29	40	51	53	39
Large Box (> 700 CFM)	29	30	41	51	52	39

RADIATED ATTENUATION VALUES	OCTAVE BAND					
	2	3	4	5	6	7
Type 2 - Mineral Fiber Ceiling	18	19	20	26	31	36

NOTES:

1. Min. Δ Ps is the static pressure difference between the terminal inlet and discharge with the damper wide open. Terminals equipped with electric heat (Model VFR-EH) require the addition of the heater pressure drop to determine the cumulative minimum Δ Ps for the unit.
2. Performance data obtained from tests conducted in accordance with ARI Standard 880.
3. Dash (-) indicates NC level less than 20.
4. NC values calculated based upon the 2002 Addendum to ARI Standard 885 Appendix E Typical Sound Attenuation Values (shown above), using Ceiling Type 2 for calculating Radiated NC.
5. NC (sound pressure) levels predicted by subtracting appropriate values above from published sound power levels.



THIS DRAWING CONTAINS PROPRIETARY DATA. UNAUTHORIZED DISCLOSURE, REPRODUCTION, OR USE IS STRICTLY PROHIBITED WITHOUT WRITTEN PERMISSION.

SUBMITTAL DRAWING
ALL DRAWINGS ARE SUBJECT TO CHANGE
WITHOUT PRIOR NOTICE

DO NOT SCALE DRAWING
DIMENSIONS ARE IN INCHES UNLESS
OTHERWISE NOTED

TITLE: GENERAL SELECTION DATA
MODEL VFR SERIES C

DATE
9/8/08

SHEET
PAGE 1 OF 1

DRAWING NO
07-80010

REV
01