



**CONNECTING TECHNOLOGY  
WITH EXPERTISE**

# QUICK REFERENCE GUIDE

MODEL	VWMB***S4 (WALL MOUNT)							V22A***S4 (2X2 CEILING CASSETTE)				V33B***H4 (3X3 CEILING CASSETTE)							MODEL	
	007	009	012	015	018	024	030	007	009	012	015	009	012	015	018	024	030	036		048
Cooling (Btu/h)	7,500	9,500	12,000	15,000	19,000	24,000	30,000	7,000	9,000	12,000	15,000	8,500	12,000	15,000	18,000	24,000	30,000	36,000	48,000	Cooling (Btu/h)
Heating (Btu/h)	8,500	11,000	13,600	17,100	21,500	27,300	34,100	8,200	10,900	13,600	17,100	10,900	13,600	17,000	21,000	27,000	34,000	42,000	54,000	Heating (Btu/h)
Max. CFM	310	310	350	400	450	620	700	234	240	292	292	460	560	680	800	800	950	1,100	1,200	Max. CFM
Static (in. w.g.)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Static (in. w.g.)
V/Ph	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	V/Ph
MCA	0.23	0.24	0.27	0.34	0.42	0.52	0.65	0.3	0.3	0.3	0.3	0.46	0.62	0.83	0.83	1.3	1.3	1.8	2.2	MCA
MOCP	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	MOCP
Condensate Lift	-	-	-	-	-	-	-	28	28	28	28	28	28	28	28	28	28	28	28	Condensate Lift
Width (in.)	38-31/32	38-31/32	38-31/32	38-31/32	38-31/32	47	47	25-1/2	25-1/2	25-1/2	25-1/2	33-1/8	33-1/8	33-1/8	33-1/8	33-1/8	33-1/8	33-1/8	33-1/8	Width (in.)
Height (in.)	12-13/32	12-13/32	12-13/32	12-13/32	12-13/32	13-1/2	13-1/2	10-3/8	10-3/8	10-3/8	10-3/8	9	9	11-3/4	11-3/4	11-3/4	11-3/4	11-3/4	11-3/4	Height (in.)
Depth (in.)	8-25/32	8-25/32	8-25/32	8-25/32	8-25/32	10-5/16	10-5/16	25-1/2	25-1/2	25-1/2	25-1/2	33-1/8	33-1/8	33-1/8	33-1/8	33-1/8	33-1/8	33-1/8	33-1/8	Depth (in.)
Sound (dBA)	34/32/31	35/33/32	36/35/33	42/40/38	42/40/39	44/42/37	48/44/40	36/33/23	36/33/23	42/36/29	42/36/29	37.9/36.9/35.7	42/37.9/36.1	46.2/43/42	46.1/44/41.1	50.3/46.3/43.6	50.2/46.5/43.4	54/50.3/46.8	55.5/53.7/50	Sound (dBA)
Net Weight (lb.)	27.1	27.1	27.1	30.2	30.2	38	38	37	37	40	40	54	54	69	69	69	69	69	69	Net Weight (lb.)

MODEL	VCFA***S4 (CEILING/FLOOR)								VMDB***H4 (MEDIUM-STATIC DUCTED)										MODEL
	012	015	018	024	030	036	048	054	007	009	012	015	018	024	030	036	048		
Cooling (MBH)	12,000	16,000	18,000	24,000	30,000	38,000	48,000	54,000	7,000	8,500	12,000	15,000	18,000	24,000	30,000	36,000	48,000	Cooling (MBH)	
Heating (MBH)	13,600	17,100	21,500	27,300	34,100	42,700	52,900	61,400	8,000	10,900	13,600	17,000	21,000	27,000	34,000	42,000	54,000	Heating (MBH)	
Max. CFM	353	441	441	441	706	1,165	1,165	1,354	260	330	450	560	670	800	1,100	1,200	1,370	Max. CFM	
Static (in. w.g.)	-	-	-	-	-	-	-	-	0.32	0.32	0.6	0.6	0.6	0.6	0.6	0.6	0.6	Static (in. w.g.)	
V/Ph	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	V/Ph	
MCA	0.3	0.9	0.9	0.9	1.1	1.4	1.4	2.4	1.25	1.25	3.13	3.13	3.13	3.13	5	5	5	MCA	
MOCP	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	MOCP	
Condensate Lift	-	-	-	-	-	-	-	-	28	28	28	28	28	28	28	28	28	Condensate Lift	
Width (in.)	39	39	39	39	50-3/8	65-3/4	65-3/4	65-3/4	36-1/4	36-1/4	36-3/4	44-7/8	44-7/8	44-7/8	47-1/4	47-1/4	47-1/4	Width (in.)	
Height (in.)	8-1/8	8-1/8	8-1/8	8-1/8	8-1/8	9-5/8	9-5/8	11-1/4	8-1/4	8-1/4	10-5/8	10-5/8	10-5/8	10-5/8	11-13/16	11-13/16	11-13/16	Height (in.)	
Depth (in.)	26	26	26	26	26	26-3/4	26-3/4	26-3/4	17-3/4	17-3/4	22-7/16	27-15/16	27-15/16	27-15/16	31-1/2	31-1/2	31-1/2	Depth (in.)	
Sound (dBA)	40/38/36	43/41/38	43/41/38	43/41/38	45/43/40	47/45/42	47/45/42	52/50/48	33.2/32.1/31.8	32.7/32.4/31.8	36.8/33.7/32.7	35.9/32.7/32.7	38.6/33.6/31.9	42/36.3/34.2	46.7/42.3/39.4	47.8/43.8/40.8	48/43.8/41.2	Sound (dBA)	
Net Weight (lb.)	59	62	62	62	76	110	110	127	50.7	50.7	76	99.2	99.2	99.2	124	124	124	Net Weight (lb.)	

MODEL	VHIA***S4 (HIGH-STATIC DUCTED)							VVCA***H4 (VERTICAL AIR HANDLER)						MODEL
	024	030	036	048	054	072	096	018	024	030	036	048	054	
Cooling (MBH)	24,000	30,000	38,000	48,000	54,000	72,000	96,000	18,000	24,000	30,000	36,000	48,000	54,000	Cooling (MBH)
Heating (MBH)	27,300	34,100	42,700	54,600	56,400	80,000	105,000	21,000	27,000	34,000	40,000	54,000	60,000	Heating (MBH)
Max. CFM	942	1,248	1,248	1,656	1,656	2,814	2,814	650	800	1,000	1,200	1,600	1,800	Max. CFM
Static (in. w.g.)	0.10 - 0.80	0.15 - 0.80	0.20 - 0.80	0.20 - 0.80	0.20 - 0.80	0.20 - 1.13	0.20 - 1.13	0.0 - 0.8	0.0 - 0.8	0.0 - 0.8	0.0 - 0.8	0.0 - 0.8	0.0 - 0.8	Static (in. w.g.)
V/Ph	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	208/230/1	V/Ph
MCA	2.4	2.5	2.5	3.0	3.0	7.5	7.5	3.8	3.8	3.8	5.3	5.3	5.3	MCA
MOCP	15	15	15	15	15	15	15	15	15	15	15	15	15	MOCP
Condensate Lift	-	-	-	-	-	-	-	-	-	-	-	-	-	Condensate Lift
Width (in.)	37-1/2	37-1/2	37-1/2	51-1/4	51-1/4	56-5/8	56-5/8	19-3/4	19-3/4	19-3/4	22	22	22	Width (in.)
Height (in.)	16-5/8	16-5/8	16-5/8	16-1/2	16-1/2	18-1/2	18-1/2	46-1/2	46-1/2	46-1/2	54-1/2	54-1/2	54-1/2	Height (in.)
Depth (in.)	27-1/8	27-1/8	27-1/8	27-1/8	27-1/8	33-1/8	33-1/8	21-5/8	21-5/8	21-5/8	24	24	24	Depth (in.)
Sound (dBA)	48/46/45	52/49/47	52/49/47	53/50/48	54/52/50	59/55/52	59/55/52	48/45/43	49/47/43	52/49/47	53/50/47	57/54/52	58/57/55	Sound (dBA)
Net Weight (lb.)	102	110	111	153	153	218	218	123	123	123	163	163	163	Net Weight (lb.)



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VRF CONDENSING UNITS																
Model No. (HR)	VRA072H4M	VRA096H4M	VRA120H4M	VRA144H4M	VRA168H4M	VRA192H4M	VRA216H4M	VRA240H4M	VRA264H4M	VRA288H4M	VRA312H4M	VRA336H4M	VRA360H4M	VRA384H4M	VRA408H4M	VRA432H4M
Model No. (HP)	VPA072H4M	VPA096H4M	VPA120H4M	VPA144H4M	VPA168H4M	VPA192H4M	VPA216H4M	VPA240H4M	VPA264H4M	VPA288H4M	VPA312H4M	VPA336H4M	VPA360H4M	-	VPA408H4M	VPA432H4M
Cooling Capacity	69,000	92,000	115,000	138,000	160,000	184,000	206,000	230,000	252,000	276,000	298,000	320,000	344,000	366,000	384,000	400,000
Heating Capacity (47°F)	77,000	103,000	120,000	150,000	180,000	206,000	224,000	240,000	270,000	300,000	320,000	338,000	354,000	380,000	415,000	442,000
No. of Modules	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3
Module Dim.	← 63-1/2 H x 49-1/2 W x 30-1/8 D →															
VAC/Ø	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3	208-230/3
MCA	33.6	36.1	38.6	53.8	33.6 + 36.1	33.6 + 36.1	36.1 + 38.6	38.6 + 38.6	38.6 + 53.8	53.8 + 53.8	36.1 + 36.1 + 38.6	36.1 + 38.6 + 38.6	38.6 + 38.6 + 53.8	38.6 + 38.6 + 53.8	38.6 + 53.8	53.8 + 53.8 + 53.8
MOCP	50	60	60	70	50 + 50	50 + 50	50 + 50	50 + 50	60 + 70	70 + 70	50 + 50 + 50	50 + 50 + 50	50 + 50 + 50	60 + 60 + 70	60 + 70 + 70	70 + 70 + 70
VAC/Ø	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3
MCA	18.7	20	21.5	26	18.7 + 20	20 + 20	20 + 21.5	21.5 + 21.5	21.2 + 26	26 + 26	20 + 20 + 21.5	20 + 21.5 + 21.5	21.5 + 21.5 + 21.5	21.2 + 21.2 + 26	21.2 + 26 + 26	26 + 26 + 26
MOCP	30	30	30	35	30 + 30	30 + 30	30 + 30	30 + 30	30 + 35	35 + 35	30 + 30 + 30	30 + 30 + 30	30 + 30 + 30	30 + 30 + 35	30 + 35 + 35	35 + 35 + 35
Max # IDU	13	16	20	26	29	33	36	39	46	50	53	56	60	63	63	63

LOW AMBIENT VRF CONDENSING UNITS													
Tonnage	6	8	10	12	14	16	18	20	22	24	26	28	
Model No. (HR)	VRA072L4M	VRA096L4M	VRA120L4M	VRA144L4M	VRA168L4M	VRA192L4M	VRA216L4M	VRA240L4M	VRA264L4M	VRA288L4M	VRA312L4M	VRA336L4M	
Model No. (HP)	VPA072L4M	VPA096L4M	VPA120L4M	VPA144L4M	VPA168L4M	VRPA192L4M	VPA216L4M	VPA240L4M	VPA264L4M	VPA288L4M	VPA312L4M	--	
Cooling Capacity	69000	92000	115000	138000	160000	184000	206000	230000	252000	276000	298000	320000	
"Heating Capacity (47°F)"	77000	103000	120000	154000	180000	206000	224000	240000	282000	298000	320000	338000	
No. of Modules	1	1	1	2	2	2	2	2	3	3	3	3	
Model Dim.	← 63-1/2 H x 43-1/2 W x 30-1/9 D →												
VAC/Ø	208/230/3	208/230/3	208/230/3	208/230/3	208/230/3	208/230/3	208/230/3	208/230/3	208/230/3	208/230/3	208/230/3	208/230/3	
MCA	54.7	67	68.2	54.7 + 54.7	54.7 + 67	67 + 67	67 + 68.2	68.2 + 68.2	54.7 + 67 + 67	54.7 + 67 + 68.2	67 + 67 + 68.2	67 + 68.2 + 68.2	
MOCP	70	90	90	70 + 70	70 + 90	90 + 90	90 + 90	90 + 90	70 + 90 + 90	70 + 90 + 90	90 + 90 + 90	90 + 90 + 90	
VAC/Ø	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	460/3	
MCA	27.6	32.1	34.4	27.6 + 27.6	27.6 + 32.1	32.1 + 32.1	32.1 + 34.4	34.4 + 34.4	27.6 + 32.1 + 32.1	27.6 + 32.1 + 34.4	32.1 + 32.1 + 34.4	32.1 + 34.4 + 34.4	
MOCP	35	40	45	35 + 35	35 + 40	40 + 40	40 + 45	45 + 45	35 + 40 + 40	35 + 40 + 45	40 + 40 + 45	40 + 45 + 45	
Max # of IDU	13	16	20	26	29	33	36	39	46	50	53	56	

MODE SELECTION BOX - REQUIRED FOR HEAT RECOVERY				
	V8MSBB01	V8MSBB02	V8MSBB03	V8MSBB04
# of Ports	1 (Twinned)	2	4	6
# IDU per Port	1	4	4	4
Btu/h per Port	96,000	54,000	54,000	54,000
Total Btu/hr	96,000	96,000	154,000	154,000
H x W x D	9 x 23-5/8 x 24-3/4	9 x 23-5/8 x 24-3/4	9 x 23-5/8 x 37-3/4	9 x 23-5/8 x 37-3/4

