

VRD S6M - Mini

Heat Recovery Outdoor Units | 208/230V | **R-32** | 60Hz

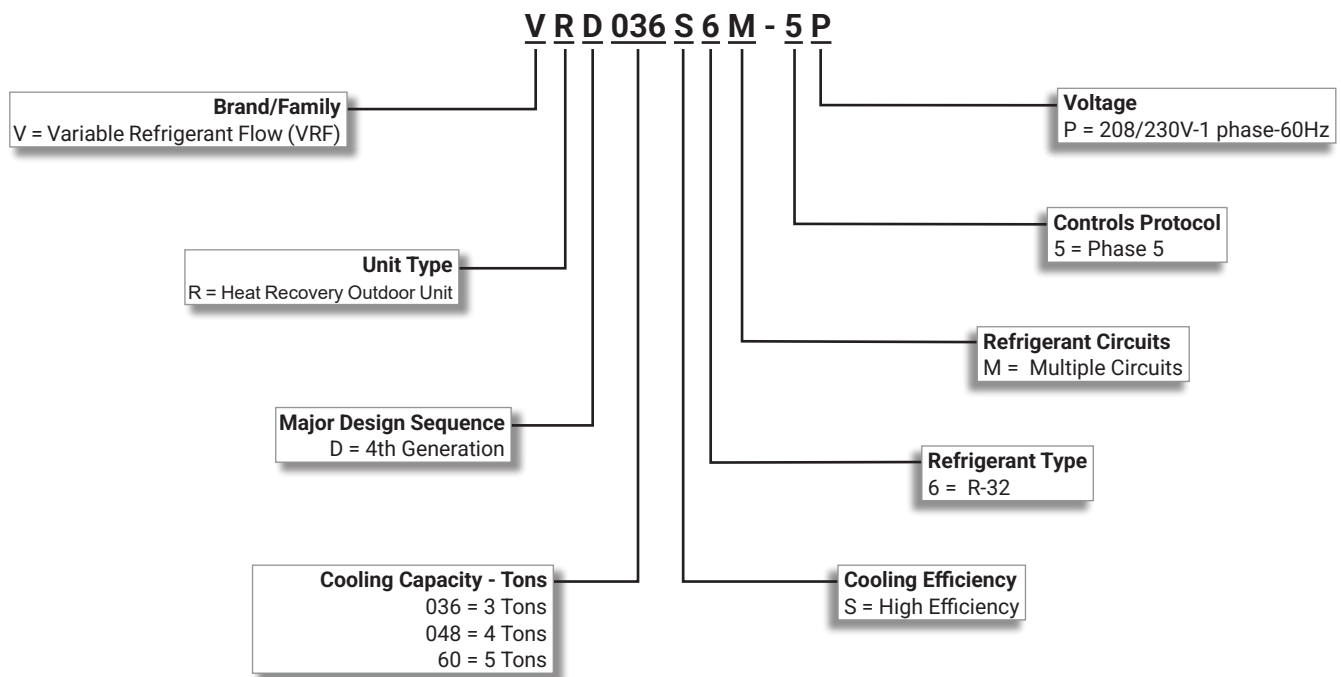
3 to 5 Tons

COMMERCIAL PRODUCT SPECIFICATIONS (EHB)



ASHRAE
Standard
90.1

MODEL NUMBER IDENTIFICATION



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Specification

Outdoor Unit

Model Code	Outdoor Unit				-	VRD036S6M-5P	VRD048S6M-5P	VRD060S6M-5P
Communication					-	Nasa	Nasa	Nasa
Power Supply					⓪ # V Hz	1 2 208-230 60	1 2 208-230 60	1 2 208-230 60
Mode					-	Heat Recovery	Heat Recovery	Heat Recovery
Performance	Ton					3.0	4.0	5.0
	kW					10.6	14.1	17.6
	Capacity	Cooling	Nominal	Btu/h		38,000	48,000	60,000
		Heating	Nominal	Btu/h		42,000	54,000	66,000
Connectable indoor units	Maximum number of connectable indoor units				EA	8	9	10
	Total capacity of the connected Indoor Units		Min.	Btu/h		19,000	24,000	30,000
				MBH		19.00	24.00	30.00
			Max.	Btu/h		49,000	62,000	78,000
				MBH		49.00	62.00	78.00
Power	Power Input	Cooling	Nominal	kW		3.00	3.90	5.80
		Heating	Nominal	kW		3.30	4.30	5.60
	Current Input	Cooling	Nominal	A		13.70	17.80	26.50
		Heating	Nominal	A		15.10	19.70	25.60
	Current	MCA		A		22.00	24.00	32.00
		MOP		A		30	30	40
		FLA		A		2.40	2.40	2.40
Efficiency	Cooling	EER2		Btu/h-W		12.00	11.70	10.00
		SEER2	Ducted	-		19	19	16.5
			Non-Ducted	-		22	21.3	20
	Heating	HSPF2	Ducted	-		10	10	9.5
			Non-Ducted	-		11	10.5	10.2
Casing	Material	Body		-		EGI Steel Plate	EGI Steel Plate	EGI Steel Plate
		Base		-		SGMCC Steel Plate	SGMCC Steel Plate	SGMCC Steel Plate
Heat Exchanger	Type				-	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-		Al	Al	Al
		Tube		-		Cu	Cu	Cu
	Fin Treatment				-	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Model Name				-	DS2BD7046FVA (R32)	DS2BD7046FVA (R32)	DS2BD7046FVA (R32)
	Quantity				EA	1	1	1
	Type				-	SCROLL_INVERTER	SCROLL_INVERTER	SCROLL_INVERTER
	Output				kW	4.95	4.95	4.95
	Oil	Type		-		POE	POE	POE
		Initial Charge		fl oz		30.4	30.4	30.4
Fan	Type				-	Propeller	Propeller	Propeller
	Discharge direction				-	Horizontal	Horizontal	Horizontal
	Quantity				EA	2	2	2
	Air Flow Rate			CMM		125.0	125.0	125.0
				CFM		4,414	4,414	4,414
			l/s		2,083	2,083	2,083	
Fan Motor	Type				-	BLDC	BLDC	BLDC
	Quantity				EA	2	2	2
	Output				W	125	125	125
Piping Connections	Liquid Pipe	Type		-		Welding	Welding	Welding
		Diameter		mm		9.52	9.52	9.52
				in		3/8	3/8	3/8
	Gas Pipe	Type		-		Welding	Welding	Welding
		Diameter		mm		15.88	15.88	19.05
				in		5/8	5/8	3/4

Specification

Outdoor Unit

Model Code	Outdoor Unit			-	VRD036S6M-5P	VRD048S6M-5P	VRD060S6M-5P
Piping Connections	High Pressure Gas Pipe	Type	-	-	Welding	Welding	Welding
		Diameter	mm	15.88	15.88	15.88	
			in	5/8	5/8	5/8	
	Heat Insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Total piping length (System)		Max.	ft	984	984	984
	Piping length (1st Branch-IDU)		Max.	ft	131	131	131
	Piping length (ODU-IDU)		Max.	ft	492	492	492
	Piping length (ODU-IDU)	Equivalent	Max.	ft	574	574	574
	Level difference (IDU-IDU)		Max.	ft	49	49	49
	Level difference (ODU in highest position)		Max.	ft	164	164	164
	Level difference (IDU in highest position)		Max.	ft	131	131	131
Wiring Connection	Transmissi on Cable	Min.	AWG	18	18	18	
		Remark	-	F1, F2	F1, F2	F1, F2	
Refrigerant	Type			-	R32	R32	R32
	Factory Charge			lbs	6.6	6.6	6.6
				tCO2e	2.03	2.03	2.03
Sound Level	Sound Pressure Level	Cooling	dB(A)	50.0	51.0	55.0	
		Heating	dB(A)	52.0	53.0	57.0	
	Sound Power Level	Cooling	dB(A)	66.0	67.0	73.0	
External Dimension	Net Weight			lbs	246.90	246.90	246.90
	Shipping Weight			lbs	269.00	269.00	269.00
	Net Dimensions	W x H x D	mm	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330	
			in	37 x 55-7/8 x 13	37 x 55-7/8 x 13	37 x 55-7/8 x 13	
	Shipping Dimensions	W x H x D	mm	995 x 1,598 x 426	995 x 1,598 x 426	995 x 1,598 x 426	
			in	39-3/16 x 62-15/16 x 16-13/16	39-3/16 x 62-15/16 x 16-13/16	39-3/16 x 62-15/16 x 16-13/16	
Operating Temp. Range	Cooling	Min. ~ Max.	°F	23 ~ 118	23 ~ 118	23 ~ 118	
	Heating	Min. ~ Max.	°F	-22 ~ 75	-22 ~ 75	-22 ~ 75	

NOTE

- Specifications may be subject to change without prior notice.
- These products contain R410A which is fluorinated greenhouse gas.
- 1)* Nominal cooling capacities are based on;
 - Indoor temperature : 80°F DB, 67°F WB
 - Outdoor temperature : 95°F DB, 75°F WB, Equivalent refrigerant piping : 25ft, Level differences : 0ft
- 2)* Nominal heating capacities are based on;
 - Indoor temperature : 70°F DB, 60°F WB
 - Outdoor temperature : 47°F DB, 43°F WB, Equivalent refrigerant piping : 25ft, Level differences : 0ft
- 3)* Certified performance under Unitary Small HP AHRI Standard 210/240.
 - Combination Indoor Units :Ducted indoor units.
- 4)* Select wire size based on the value of MCA
- 5)* Sound power level is an absolute value that a sound source generates.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound values are obtained in an anechoic room.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
- 6) These products contain R32(GWP=675) which is fluorinated greenhouse gas.

Summary Table

Outdoor Unit

Electric Characteristics

Capacity		Model Code	Power Supply				Voltage Range		Current Input(A)		Current(A)		Fan Motor	
Ton	Btu/h		Φ	#	Hz	V	Min.	Max.	Cooling	Heating	MCA	MOP	kW	FLA[A]
3	36000	VRD036S6M-5P	1	2	60	208-230	187	253	13.70	15.10	22.00	30	0.25	2.40
4	48000	VRD048S6M-5P	1	2	60	208-230	187	253	17.80	19.70	24.00	30	0.25	2.40
5	60000	VRD060S6M-5P	1	2	60	208-230	187	253	26.50	25.60	32.00	40	0.25	2.40

NOTE

- MCA : Minimum circuit amperes (A)
- MOP : Maximum Overcurrent Protective Device (A)
- FLA : Full load amperes
- Select wire size based on the value of MCA

Capacity Table

Outdoor Unit

VRD036S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
130	23.0	30,400	0.87	38,000	1.07	44,600	1.23	49,400	1.37	54,400	1.53	57,700	1.63	62,700	1.81
	27.0	30,400	0.89	38,000	1.09	44,600	1.28	49,400	1.41	54,400	1.58	57,700	1.69	62,700	1.88
	32.0	30,400	0.92	38,000	1.14	44,600	1.34	49,400	1.49	54,400	1.67	57,700	1.79	62,700	2.00
	37.0	30,400	0.96	38,000	1.20	44,600	1.41	49,400	1.58	54,400	1.78	57,700	1.91	62,700	2.14
	41.0	30,400	1.00	38,000	1.25	44,600	1.47	49,400	1.64	54,400	1.86	57,700	2.00	62,700	2.25
	46.0	30,400	1.05	38,000	1.32	44,600	1.57	49,400	1.76	54,400	2.00	57,700	2.17	62,700	2.45
	50.0	30,400	1.09	38,000	1.38	44,600	1.65	49,400	1.85	54,400	2.11	57,700	2.29	62,700	2.60
	54.0	30,400	1.14	38,000	1.44	44,600	1.73	49,400	1.96	54,400	2.24	57,700	2.44	62,700	2.77
	57.0	30,400	1.19	38,000	1.52	44,600	1.83	49,400	2.08	54,400	2.38	57,700	2.60	62,700	2.96
	61.0	30,400	1.25	38,000	1.60	44,600	1.94	49,400	2.21	54,400	2.54	57,700	2.78	62,700	3.18
	64.0	30,400	1.32	38,000	1.70	44,600	2.07	49,400	2.36	54,400	2.72	57,700	2.97	62,700	3.41
	68.0	30,400	1.40	38,000	1.81	44,600	2.21	49,400	2.53	54,400	2.92	57,700	3.20	61,900	3.49
	70.0	30,400	1.44	38,000	1.87	44,600	2.28	49,400	2.62	54,400	3.03	57,700	3.31	60,800	3.45
	73.0	30,400	1.53	38,000	2.00	44,600	2.45	49,400	2.81	54,400	3.26	57,700	3.57	58,500	3.36
	77.0	30,400	1.63	38,000	2.14	44,600	2.63	49,400	3.03	54,400	3.51	56,200	3.48	56,200	3.27
	81.0	30,400	1.75	38,000	2.30	44,600	2.83	49,400	3.26	54,000	3.60	54,000	3.39	54,000	3.18
	84.0	30,400	1.87	38,000	2.47	44,600	3.05	49,400	3.52	51,700	3.51	51,700	3.30	51,700	3.09
	88.0	30,400	2.02	38,000	2.66	44,600	3.29	49,400	3.61	49,400	3.42	49,400	3.21	49,400	3.00
	91.0	30,400	2.17	38,000	2.87	44,600	3.56	47,100	3.52	47,100	3.33	47,100	3.12	47,100	2.91
	95.0	30,400	2.34	38,000	3.10	44,600	3.84	44,800	3.43	44,800	3.24	44,800	3.03	44,800	2.82
120	99.0	30,400	2.53	38,000	3.35	42,600	3.75	42,600	3.34	42,600	3.15	42,600	2.94	42,600	2.73
	102.0	30,400	2.73	38,000	3.62	40,300	3.66	40,300	3.25	40,300	3.06	40,300	2.85	40,300	2.64
	108.0	30,400	3.06	36,900	3.86	36,900	3.53	36,900	3.11	36,900	2.93	36,900	2.71	36,900	2.50
	111.0	30,400	3.31	34,600	3.77	34,600	3.44	34,600	3.02	34,600	2.84	34,600	2.62	34,600	2.41
	115.0	29,900	3.43	32,300	3.68	32,300	3.35	32,300	2.93	32,300	2.75	32,300	2.53	32,300	2.32
	118.0	29,100	3.55	30,000	3.59	30,000	3.26	30,000	2.84	30,000	2.66	30,000	2.44	30,000	2.23
	23.0	28,000	0.78	35,100	0.97	41,100	1.13	45,600	1.25	50,300	1.39	53,300	1.49	57,900	1.66
	27.0	28,000	0.80	35,100	0.99	41,100	1.16	45,600	1.29	50,300	1.44	53,300	1.55	57,900	1.72
	32.0	28,000	0.83	35,100	1.03	41,100	1.22	45,600	1.35	50,300	1.52	53,300	1.63	57,900	1.82
	37.0	28,000	0.87	35,100	1.08	41,100	1.28	45,600	1.43	50,300	1.61	53,300	1.73	57,900	1.94
	41.0	28,000	0.90	35,100	1.12	41,100	1.33	45,600	1.49	50,300	1.68	53,300	1.81	57,900	2.04
	46.0	28,000	0.94	35,100	1.19	41,100	1.41	45,600	1.59	50,300	1.80	53,300	1.95	57,900	2.20
	50.0	28,000	0.98	35,100	1.24	41,100	1.48	45,600	1.67	50,300	1.89	53,300	2.06	57,900	2.33
	54.0	28,000	1.02	35,100	1.30	41,100	1.55	45,600	1.76	50,300	2.00	53,300	2.18	57,900	2.48
	57.0	28,000	1.07	35,100	1.36	41,100	1.64	45,600	1.86	50,300	2.12	53,300	2.32	57,900	2.64
	61.0	28,000	1.12	35,100	1.43	41,100	1.73	45,600	1.97	50,300	2.26	53,300	2.47	57,900	2.82
	64.0	28,000	1.18	35,100	1.52	41,100	1.84	45,600	2.10	50,300	2.42	53,300	2.64	57,900	3.03
	68.0	28,000	1.24	35,100	1.61	41,100	1.96	45,600	2.24	50,300	2.59	53,300	2.83	57,900	3.25
	70.0	28,000	1.28	35,100	1.66	41,100	2.03	45,600	2.32	50,300	2.68	53,300	2.94	57,900	3.37
	73.0	28,000	1.36	35,100	1.77	41,100	2.17	45,600	2.49	50,300	2.88	53,300	3.16	57,900	3.63
110	77.0	28,000	1.45	35,100	1.90	41,100	2.33	45,600	2.68	50,300	3.10	53,300	3.40	56,200	3.54
	81.0	28,000	1.55	35,100	2.03	41,100	2.51	45,600	2.88	50,300	3.34	53,300	3.67	54,000	3.45
	84.0	28,000	1.66	35,100	2.19	41,100	2.70	45,600	3.11	50,300	3.60	51,700	3.58	51,700	3.36
	88.0	28,000	1.78	35,100	2.35	41,100	2.91	45,600	3.35	49,400	3.70	49,400	3.49	49,400	3.27
	91.0	28,000	1.92	35,100	2.54	41,100	3.14	45,600	3.62	47,100	3.61	47,100	3.40	47,100	3.18
	95.0	28,000	2.07	35,100	2.74	41,100	3.39	44,800	3.72	44,800	3.52	44,800	3.31	44,800	3.09
	99.0	28,000	2.23	35,100	2.96	41,100	3.66	42,600	3.63	42,600	3.43	42,600	3.22	42,600	3.00
	102.0	28,000	2.41	35,100	3.20	40,300	3.76	40,300	3.54	40,300	3.34	40,300	3.13	40,300	2.91
	108.0	28,000	2.71	35,100	3.59	36,900	3.63	36,900	3.40	36,900	3.21	36,900	2.99	36,900	2.78
	111.0	28,000	2.92	34,600	3.68	34,600	3.54	34,600	3.31	34,600	3.12	34,600	2.90	34,600	2.69
	115.0	27,800	3.10	32,300	3.59	32,300	3.45	32,300	3.22	32,300	3.03	32,300	2.81	32,300	2.60
	118.0	27,000	3.22	30,000	3.50	30,000	3.36	30,000	3.13	30,000	2.94	30,000	2.72	30,000	2.51

Capacity Table

Outdoor Unit

VRD036S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
110	23.0	25,700	0.70	32,100	0.88	37,700	1.03	41,800	1.13	46,100	1.27	48,800	1.36	53,100	1.52
	27.0	25,700	0.72	32,100	0.90	37,700	1.05	41,800	1.17	46,100	1.31	48,800	1.41	53,100	1.57
	32.0	25,700	0.74	32,100	0.93	37,700	1.10	41,800	1.23	46,100	1.38	48,800	1.48	53,100	1.65
	37.0	25,700	0.77	32,100	0.98	37,700	1.16	41,800	1.29	46,100	1.46	48,800	1.57	53,100	1.76
	41.0	25,700	0.80	32,100	1.01	37,700	1.20	41,800	1.34	46,100	1.51	48,800	1.63	53,100	1.84
	46.0	25,700	0.84	32,100	1.07	37,700	1.27	41,800	1.43	46,100	1.62	48,800	1.75	53,100	1.97
	50.0	25,700	0.87	32,100	1.11	37,700	1.33	41,800	1.50	46,100	1.70	48,800	1.84	53,100	2.08
	54.0	25,700	0.91	32,100	1.16	37,700	1.39	41,800	1.57	46,100	1.79	48,800	1.94	53,100	2.21
	57.0	25,700	0.94	32,100	1.21	37,700	1.46	41,800	1.66	46,100	1.89	48,800	2.06	53,100	2.35
	61.0	25,700	0.99	32,100	1.28	37,700	1.54	41,800	1.76	46,100	2.01	48,800	2.19	53,100	2.50
	64.0	25,700	1.04	32,100	1.35	37,700	1.64	41,800	1.87	46,100	2.14	48,800	2.34	53,100	2.67
	68.0	25,700	1.10	32,100	1.43	37,700	1.74	41,800	1.99	46,100	2.29	48,800	2.50	53,100	2.87
	70.0	25,700	1.13	32,100	1.47	37,700	1.80	41,800	2.06	46,100	2.37	48,800	2.59	53,100	2.97
	73.0	25,700	1.20	32,100	1.57	37,700	1.92	41,800	2.20	46,100	2.54	48,800	2.78	53,100	3.20
	77.0	25,700	1.27	32,100	1.68	37,700	2.06	41,800	2.36	46,100	2.73	48,800	2.99	53,100	3.44
	81.0	25,700	1.36	32,100	1.80	37,700	2.21	41,800	2.54	46,100	2.94	48,800	3.23	53,100	3.71
	84.0	25,700	1.46	32,100	1.93	37,700	2.38	41,800	2.74	46,100	3.17	48,800	3.48	51,700	3.62
	88.0	25,700	1.56	32,100	2.07	37,700	2.56	41,800	2.95	46,100	3.42	48,800	3.76	49,400	3.53
	91.0	25,700	1.68	32,100	2.23	37,700	2.76	41,800	3.19	46,100	3.69	47,100	3.67	47,100	3.44
	95.0	25,700	1.81	32,100	2.41	37,700	2.98	41,800	3.44	44,800	3.60	44,800	3.58	44,800	3.35
	99.0	25,700	1.95	32,100	2.60	37,700	3.22	41,800	3.72	42,600	3.51	42,600	3.49	42,600	3.26
100	102.0	25,700	2.11	32,100	2.81	37,700	3.48	40,300	3.63	40,300	3.42	40,300	3.40	40,300	3.17
	108.0	25,700	2.37	32,100	3.15	36,900	3.71	36,900	3.49	36,900	3.29	36,900	3.26	36,900	3.04
	111.0	25,700	2.56	32,100	3.41	34,600	3.62	34,600	3.40	34,600	3.20	34,600	3.17	34,600	2.95
	115.0	25,700	2.72	31,500	3.53	32,300	3.53	32,300	3.31	32,300	3.11	32,300	3.08	32,300	2.86
	118.0	24,900	2.84	30,000	3.54	30,000	3.44	30,000	3.22	30,000	3.02	30,000	2.99	30,000	2.77
	23.0	23,400	0.62	29,200	0.79	34,300	0.93	38,000	1.03	41,900	1.15	44,400	1.23	48,300	1.37
	27.0	23,400	0.64	29,200	0.80	34,300	0.95	38,000	1.05	41,900	1.18	44,400	1.27	48,300	1.42
	32.0	23,400	0.66	29,200	0.83	34,300	0.99	38,000	1.10	41,900	1.24	44,400	1.34	48,300	1.49
	37.0	23,400	0.69	29,200	0.87	34,300	1.04	38,000	1.16	41,900	1.31	44,400	1.41	48,300	1.58
	41.0	23,400	0.71	29,200	0.90	34,300	1.07	38,000	1.20	41,900	1.36	44,400	1.47	48,300	1.65
	46.0	23,400	0.74	29,200	0.95	34,300	1.13	38,000	1.28	41,900	1.44	44,400	1.57	48,300	1.76
	50.0	23,400	0.77	29,200	0.99	34,300	1.18	38,000	1.33	41,900	1.51	44,400	1.64	48,300	1.85
	54.0	23,400	0.80	29,200	1.03	34,300	1.23	38,000	1.40	41,900	1.59	44,400	1.73	48,300	1.96
	57.0	23,400	0.83	29,200	1.07	34,300	1.30	38,000	1.47	41,900	1.68	44,400	1.83	48,300	2.07
	61.0	23,400	0.87	29,200	1.13	34,300	1.36	38,000	1.55	41,900	1.78	44,400	1.94	48,300	2.20
	64.0	23,400	0.92	29,200	1.19	34,300	1.44	38,000	1.64	41,900	1.89	44,400	2.06	48,300	2.35
	68.0	23,400	0.96	29,200	1.26	34,300	1.53	38,000	1.75	41,900	2.01	44,400	2.20	48,300	2.51
	70.0	23,400	0.99	29,200	1.29	34,300	1.58	38,000	1.81	41,900	2.08	44,400	2.28	48,300	2.60
	73.0	23,400	1.05	29,200	1.38	34,300	1.68	38,000	1.93	41,900	2.23	44,400	2.44	48,300	2.80
	77.0	23,400	1.12	29,200	1.47	34,300	1.80	38,000	2.07	41,900	2.39	44,400	2.62	48,300	3.01
	81.0	23,400	1.19	29,200	1.57	34,300	1.93	38,000	2.22	41,900	2.57	44,400	2.82	48,300	3.24
	84.0	23,400	1.27	29,200	1.68	34,300	2.08	38,000	2.39	41,900	2.77	44,400	3.04	48,300	3.49
	88.0	23,400	1.37	29,200	1.81	34,300	2.24	38,000	2.58	41,900	2.99	44,400	3.28	48,300	3.77
	91.0	23,400	1.47	29,200	1.95	34,300	2.41	38,000	2.78	41,900	3.22	44,400	3.55	47,100	3.68
	95.0	23,400	1.58	29,200	2.10	34,300	2.60	38,000	3.00	41,900	3.48	44,400	3.83	44,800	3.59
	99.0	23,400	1.70	29,200	2.27	34,300	2.81	38,000	3.24	41,900	3.76	42,600	3.74	42,600	3.50
	102.0	23,400	1.84	29,200	2.45	34,300	3.03	38,000	3.50	40,300	3.67	40,300	3.65	40,300	3.41
	108.0	23,400	2.06	29,200	2.75	34,300	3.40	36,900	3.73	36,900	3.53	36,900	3.52	36,900	3.28
	111.0	23,400	2.23	29,200	2.97	34,200	3.60	34,600	3.64	34,600	3.44	34,600	3.43	34,600	3.19
	115.0	23,400	2.41	28,800	3.14	32,300	3.51	32,300	3.55	32,300	3.35	32,300	3.34	32,300	3.10
	118.0	22,800	2.53	28,100	3.26	30,000	3.42	30,000	3.46	30,000	3.26	30,000	3.25	30,000	3.01

Capacity Table

Outdoor Unit

VRD036S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
90	23.0	21,000	0.54	26,300	0.69	30,900	0.81	34,200	0.91	37,700	1.02	40,000	1.09	43,400	1.21
	27.0	21,000	0.55	26,300	0.70	30,900	0.83	34,200	0.93	37,700	1.04	40,000	1.12	43,400	1.25
	32.0	21,000	0.57	26,300	0.73	30,900	0.86	34,200	0.97	37,700	1.09	40,000	1.18	43,400	1.32
	37.0	21,000	0.59	26,300	0.76	30,900	0.90	34,200	1.02	37,700	1.15	40,000	1.24	43,400	1.39
	41.0	21,000	0.61	26,300	0.78	30,900	0.93	34,200	1.05	37,700	1.19	40,000	1.29	43,400	1.44
	46.0	21,000	0.64	26,300	0.82	30,900	0.98	34,200	1.11	37,700	1.26	40,000	1.37	43,400	1.54
	50.0	21,000	0.67	26,300	0.85	30,900	1.02	34,200	1.16	37,700	1.32	40,000	1.43	43,400	1.61
	54.0	21,000	0.69	26,300	0.89	30,900	1.07	34,200	1.21	37,700	1.38	40,000	1.50	43,400	1.70
	57.0	21,000	0.72	26,300	0.93	30,900	1.12	34,200	1.27	37,700	1.45	40,000	1.58	43,400	1.79
	61.0	21,000	0.75	26,300	0.97	30,900	1.17	34,200	1.34	37,700	1.53	40,000	1.67	43,400	1.90
	64.0	21,000	0.79	26,300	1.02	30,900	1.24	34,200	1.42	37,700	1.63	40,000	1.77	43,400	2.02
	68.0	21,000	0.83	26,300	1.08	30,900	1.31	34,200	1.50	37,700	1.73	40,000	1.89	43,400	2.15
	70.0	21,000	0.85	26,300	1.11	30,900	1.35	34,200	1.55	37,700	1.78	40,000	1.95	43,400	2.23
	73.0	21,000	0.90	26,300	1.17	30,900	1.44	34,200	1.65	37,700	1.91	40,000	2.08	43,400	2.39
	77.0	21,000	0.95	26,300	1.25	30,900	1.53	34,200	1.77	37,700	2.04	40,000	2.24	43,400	2.56
	81.0	21,000	1.01	26,300	1.34	30,900	1.64	34,200	1.89	37,700	2.19	40,000	2.40	43,400	2.76
	84.0	21,000	1.08	26,300	1.43	30,900	1.76	34,200	2.04	37,700	2.36	40,000	2.59	43,400	2.97
	88.0	21,000	1.16	26,300	1.54	30,900	1.89	34,200	2.19	37,700	2.54	40,000	2.79	43,400	3.21
	91.0	21,000	1.25	26,300	1.65	30,900	2.04	34,200	2.36	37,700	2.74	40,000	3.01	43,400	3.46
	95.0	21,000	1.34	26,300	1.78	30,900	2.20	34,200	2.55	37,700	2.96	40,000	3.25	43,400	3.74
80	99.0	21,000	1.44	26,300	1.92	30,900	2.38	34,200	2.75	37,700	3.20	40,000	3.51	42,600	3.84
	102.0	21,000	1.56	26,300	2.07	30,900	2.57	34,200	2.97	37,700	3.45	40,000	3.79	40,300	3.75
	108.0	21,000	1.75	26,300	2.33	30,900	2.88	34,200	3.34	36,900	3.68	36,900	3.66	36,900	3.62
	111.0	21,000	1.89	26,300	2.51	30,900	3.11	34,100	3.53	34,600	3.59	34,600	3.57	34,600	3.53
	115.0	21,000	2.04	26,200	2.67	30,300	3.23	32,300	3.44	32,300	3.50	32,300	3.48	32,300	3.44
	118.0	20,700	2.18	25,400	2.79	29,600	3.35	30,000	3.35	30,000	3.41	30,000	3.39	30,000	3.35
	23.0	18,700	0.47	23,400	0.59	27,400	0.70	30,400	0.79	33,500	0.89	35,500	0.96	38,600	1.07
	27.0	18,700	0.48	23,400	0.61	27,400	0.72	30,400	0.81	33,500	0.91	35,500	0.98	38,600	1.10
	32.0	18,700	0.50	23,400	0.63	27,400	0.74	30,400	0.84	33,500	0.95	35,500	1.03	38,600	1.15
	37.0	18,700	0.51	23,400	0.65	27,400	0.78	30,400	0.88	33,500	1.00	35,500	1.08	38,600	1.21
	41.0	18,700	0.53	23,400	0.67	27,400	0.80	30,400	0.91	33,500	1.03	35,500	1.12	38,600	1.26
	46.0	18,700	0.55	23,400	0.71	27,400	0.85	30,400	0.96	33,500	1.09	35,500	1.18	38,600	1.33
	50.0	18,700	0.57	23,400	0.73	27,400	0.88	30,400	1.00	33,500	1.14	35,500	1.23	38,600	1.39
	54.0	18,700	0.59	23,400	0.76	27,400	0.91	30,400	1.04	33,500	1.19	35,500	1.29	38,600	1.46
	57.0	18,700	0.61	23,400	0.79	27,400	0.95	30,400	1.09	33,500	1.25	35,500	1.35	38,600	1.54
	61.0	18,700	0.64	23,400	0.83	27,400	1.00	30,400	1.14	33,500	1.31	35,500	1.43	38,600	1.63
	64.0	18,700	0.67	23,400	0.87	27,400	1.05	30,400	1.20	33,500	1.39	35,500	1.51	38,600	1.72
	68.0	18,700	0.70	23,400	0.92	27,400	1.11	30,400	1.27	33,500	1.47	35,500	1.60	38,600	1.83
	70.0	18,700	0.72	23,400	0.94	27,400	1.15	30,400	1.31	33,500	1.52	35,500	1.65	38,600	1.89
	73.0	18,700	0.76	23,400	1.00	27,400	1.22	30,400	1.40	33,500	1.62	35,500	1.76	38,600	2.03
	77.0	18,700	0.81	23,400	1.06	27,400	1.30	30,400	1.49	33,500	1.73	35,500	1.89	38,600	2.17
	81.0	18,700	0.86	23,400	1.13	27,400	1.39	30,400	1.60	33,500	1.85	35,500	2.03	38,600	2.33
	84.0	18,700	0.92	23,400	1.21	27,400	1.49	30,400	1.71	33,500	1.99	35,500	2.18	38,600	2.51
	88.0	18,700	0.98	23,400	1.30	27,400	1.60	30,400	1.84	33,500	2.14	35,500	2.35	38,600	2.70
	91.0	18,700	1.05	23,400	1.39	27,400	1.72	30,400	1.98	33,500	2.31	35,500	2.53	38,600	2.92
	95.0	18,700	1.13	23,400	1.50	27,400	1.85	30,400	2.14	33,500	2.49	35,500	2.73	38,600	3.15
	99.0	18,700	1.22	23,400	1.62	27,400	2.00	30,400	2.31	33,500	2.69	35,500	2.95	38,600	3.40
	102.0	18,700	1.31	23,400	1.75	27,400	2.16	30,400	2.50	33,500	2.90	35,500	3.18	38,600	3.67
	108.0	18,700	1.47	23,400	1.96	27,400	2.42	30,400	2.80	33,500	3.26	35,500	3.57	36,900	3.73
	111.0	18,700	1.59	23,400	2.12	27,400	2.61	30,400	3.02	33,500	3.45	34,600	3.67	34,600	3.64
	115.0	18,700	1.72	23,400	2.29	27,200	2.78	29,900	3.14	32,300	3.46	32,300	3.58	32,300	3.55
	118.0	18,600	1.85	22,800	2.41	26,500	2.90	29,100	3.26	30,000	3.37	30,000	3.49	30,000	3.46

Capacity Table

Outdoor Unit

VRD036S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
70	23.0	16,400	0.40	20,500	0.51	24,000	0.61	26,600	0.68	29,300	0.77	31,100	0.83	33,800	0.93
	27.0	16,400	0.41	20,500	0.52	24,000	0.62	26,600	0.70	29,300	0.79	31,100	0.85	33,800	0.96
	32.0	16,400	0.42	20,500	0.54	24,000	0.64	26,600	0.72	29,300	0.82	31,100	0.88	33,800	0.99
	37.0	16,400	0.43	20,500	0.56	24,000	0.67	26,600	0.75	29,300	0.86	31,100	0.93	33,800	1.04
	41.0	16,400	0.44	20,500	0.57	24,000	0.69	26,600	0.78	29,300	0.89	31,100	0.96	33,800	1.08
	46.0	16,400	0.47	20,500	0.60	24,000	0.72	26,600	0.82	29,300	0.94	31,100	1.01	33,800	1.14
	50.0	16,400	0.48	20,500	0.62	24,000	0.75	26,600	0.85	29,300	0.97	31,100	1.05	33,800	1.19
	54.0	16,400	0.50	20,500	0.65	24,000	0.78	26,600	0.88	29,300	1.01	31,100	1.10	33,800	1.24
	57.0	16,400	0.52	20,500	0.67	24,000	0.81	26,600	0.92	29,300	1.06	31,100	1.15	33,800	1.30
	61.0	16,400	0.54	20,500	0.70	24,000	0.85	26,600	0.97	29,300	1.11	31,100	1.21	33,800	1.37
	64.0	16,400	0.56	20,500	0.73	24,000	0.89	26,600	1.02	29,300	1.17	31,100	1.27	33,800	1.45
	68.0	16,400	0.59	20,500	0.77	24,000	0.94	26,600	1.07	29,300	1.24	31,100	1.35	33,800	1.54
	70.0	16,400	0.61	20,500	0.79	24,000	0.96	26,600	1.10	29,300	1.28	31,100	1.39	33,800	1.59
	73.0	16,400	0.64	20,500	0.84	24,000	1.02	26,600	1.17	29,300	1.36	31,100	1.48	33,800	1.69
	77.0	16,400	0.68	20,500	0.89	24,000	1.09	26,600	1.25	29,300	1.45	31,100	1.58	33,800	1.81
	81.0	16,400	0.72	20,500	0.95	24,000	1.16	26,600	1.33	29,300	1.55	31,100	1.69	33,800	1.94
	84.0	16,400	0.76	20,500	1.01	24,000	1.24	26,600	1.43	29,300	1.66	31,100	1.82	33,800	2.09
	88.0	16,400	0.82	20,500	1.08	24,000	1.33	26,600	1.54	29,300	1.78	31,100	1.95	33,800	2.24
	91.0	16,400	0.88	20,500	1.16	24,000	1.43	26,600	1.65	29,300	1.92	31,100	2.10	33,800	2.42
	95.0	16,400	0.94	20,500	1.25	24,000	1.54	26,600	1.78	29,300	2.07	31,100	2.27	33,800	2.61
	99.0	16,400	1.01	20,500	1.35	24,000	1.66	26,600	1.92	29,300	2.23	31,100	2.45	33,800	2.82
60	102.0	16,400	1.09	20,500	1.45	24,000	1.79	26,600	2.07	29,300	2.41	31,100	2.65	33,800	3.04
	108.0	16,400	1.22	20,500	1.63	24,000	2.01	26,600	2.33	29,300	2.71	31,100	2.97	33,800	3.42
	111.0	16,400	1.32	20,500	1.76	24,000	2.17	26,600	2.51	29,300	2.92	31,100	3.21	33,700	3.61
	115.0	16,400	1.43	20,500	1.90	24,000	2.35	26,500	2.67	28,900	3.04	30,500	3.33	32,300	3.63
	118.0	16,400	1.54	20,200	2.04	23,400	2.47	25,700	2.79	28,200	3.16	29,800	3.45	30,000	3.54
	23.0	14,000	0.33	17,500	0.43	20,600	0.51	22,800	0.58	25,100	0.66	26,600	0.71	29,000	0.80
	27.0	14,000	0.34	17,500	0.44	20,600	0.52	22,800	0.59	25,100	0.67	26,600	0.73	29,000	0.82
	32.0	14,000	0.35	17,500	0.45	20,600	0.54	22,800	0.61	25,100	0.70	26,600	0.75	29,000	0.85
	37.0	14,000	0.36	17,500	0.47	20,600	0.56	22,800	0.63	25,100	0.72	26,600	0.78	29,000	0.89
	41.0	14,000	0.37	17,500	0.48	20,600	0.58	22,800	0.65	25,100	0.75	26,600	0.81	29,000	0.92
	46.0	14,000	0.39	17,500	0.50	20,600	0.61	22,800	0.69	25,100	0.79	26,600	0.85	29,000	0.96
	50.0	14,000	0.40	17,500	0.52	20,600	0.63	22,800	0.71	25,100	0.82	26,600	0.88	29,000	1.00
	54.0	14,000	0.42	17,500	0.54	20,600	0.65	22,800	0.74	25,100	0.85	26,600	0.92	29,000	1.04
	57.0	14,000	0.43	17,500	0.56	20,600	0.68	22,800	0.77	25,100	0.88	26,600	0.96	29,000	1.09
	61.0	14,000	0.45	17,500	0.58	20,600	0.71	22,800	0.80	25,100	0.93	26,600	1.00	29,000	1.15
	64.0	14,000	0.47	17,500	0.61	20,600	0.74	22,800	0.84	25,100	0.97	26,600	1.06	29,000	1.21
	68.0	14,000	0.49	17,500	0.64	20,600	0.78	22,800	0.89	25,100	1.03	26,600	1.12	29,000	1.28
	70.0	14,000	0.50	17,500	0.65	20,600	0.80	22,800	0.91	25,100	1.05	26,600	1.15	29,000	1.31
	73.0	14,000	0.53	17,500	0.69	20,600	0.84	22,800	0.97	25,100	1.12	26,600	1.22	29,000	1.40
	77.0	14,000	0.56	17,500	0.73	20,600	0.90	22,800	1.03	25,100	1.19	26,600	1.30	29,000	1.49
	81.0	14,000	0.59	17,500	0.78	20,600	0.95	22,800	1.09	25,100	1.27	26,600	1.39	29,000	1.59
	84.0	14,000	0.63	17,500	0.83	20,600	1.02	22,800	1.17	25,100	1.36	26,600	1.49	29,000	1.71
	88.0	14,000	0.67	17,500	0.89	20,600	1.09	22,800	1.25	25,100	1.46	26,600	1.60	29,000	1.84
	91.0	14,000	0.72	17,500	0.95	20,600	1.17	22,800	1.35	25,100	1.57	26,600	1.72	29,000	1.98
	95.0	14,000	0.77	17,500	1.02	20,600	1.26	22,800	1.45	25,100	1.69	26,600	1.85	29,000	2.13
	99.0	14,000	0.83	17,500	1.10	20,600	1.36	22,800	1.56	25,100	1.82	26,600	2.00	29,000	2.30
	102.0	14,000	0.89	17,500	1.18	20,600	1.47	22,800	1.69	25,100	1.97	26,600	2.16	29,000	2.48
	108.0	14,000	1.00	17,500	1.33	20,600	1.64	22,800	1.89	25,100	2.21	26,600	2.42	29,000	2.79
	111.0	14,000	1.08	17,500	1.44	20,600	1.78	22,800	2.05	25,100	2.39	26,600	2.61	29,000	3.01
	115.0	14,000	1.17	17,500	1.55	20,600	1.92	22,800	2.21	25,100	2.58	26,500	2.78	28,600	3.19
	118.0	14,000	1.26	17,500	1.67	20,300	2.05	22,300	2.33	24,400	2.70	25,700	2.90	27,800	3.31

Capacity Table

Outdoor Unit

VRD036S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
50	23.0	11,700	0.27	14,600	0.35	17,100	0.42	19,000	0.47	20,900	0.54	22,200	0.59	24,100	0.66
	27.0	11,700	0.27	14,600	0.36	17,100	0.43	19,000	0.48	20,900	0.55	22,200	0.60	24,100	0.68
	32.0	11,700	0.28	14,600	0.37	17,100	0.44	19,000	0.50	20,900	0.57	22,200	0.62	24,100	0.70
	37.0	11,700	0.29	14,600	0.38	17,100	0.46	19,000	0.52	20,900	0.59	22,200	0.65	24,100	0.73
	41.0	11,700	0.30	14,600	0.39	17,100	0.47	19,000	0.53	20,900	0.61	22,200	0.67	24,100	0.75
	46.0	11,700	0.31	14,600	0.41	17,100	0.49	19,000	0.56	20,900	0.64	22,200	0.70	24,100	0.79
	50.0	11,700	0.32	14,600	0.42	17,100	0.51	19,000	0.58	20,900	0.67	22,200	0.72	24,100	0.82
	54.0	11,700	0.33	14,600	0.44	17,100	0.53	19,000	0.60	20,900	0.69	22,200	0.75	24,100	0.85
	57.0	11,700	0.35	14,600	0.45	17,100	0.55	19,000	0.62	20,900	0.72	22,200	0.78	24,100	0.89
	61.0	11,700	0.36	14,600	0.47	17,100	0.57	19,000	0.65	20,900	0.75	22,200	0.82	24,100	0.93
	64.0	11,700	0.37	14,600	0.49	17,100	0.60	19,000	0.68	20,900	0.79	22,200	0.86	24,100	0.98
	68.0	11,700	0.39	14,600	0.51	17,100	0.63	19,000	0.71	20,900	0.83	22,200	0.90	24,100	1.03
	70.0	11,700	0.40	14,600	0.53	17,100	0.64	19,000	0.73	20,900	0.85	22,200	0.93	24,100	1.06
	73.0	11,700	0.42	14,600	0.55	17,100	0.68	19,000	0.77	20,900	0.90	22,200	0.98	24,100	1.12
	77.0	11,700	0.44	14,600	0.58	17,100	0.72	19,000	0.82	20,900	0.95	22,200	1.04	24,100	1.19
	81.0	11,700	0.47	14,600	0.62	17,100	0.76	19,000	0.87	20,900	1.01	22,200	1.11	24,100	1.27
	84.0	11,700	0.50	14,600	0.66	17,100	0.81	19,000	0.93	20,900	1.08	22,200	1.19	24,100	1.36
	88.0	11,700	0.53	14,600	0.71	17,100	0.87	19,000	1.00	20,900	1.16	22,200	1.27	24,100	1.46
	91.0	11,700	0.57	14,600	0.75	17,100	0.93	19,000	1.07	20,900	1.25	22,200	1.37	24,100	1.57
	95.0	11,700	0.61	14,600	0.81	17,100	1.00	19,000	1.15	20,900	1.34	22,200	1.47	24,100	1.69
	99.0	11,700	0.66	14,600	0.87	17,100	1.08	19,000	1.24	20,900	1.44	22,200	1.59	24,100	1.82
	102.0	11,700	0.71	14,600	0.94	17,100	1.16	19,000	1.34	20,900	1.56	22,200	1.71	24,100	1.97
	108.0	11,700	0.79	14,600	1.05	17,100	1.30	19,000	1.50	20,900	1.75	22,200	1.92	24,100	2.21
	111.0	11,700	0.85	14,600	1.14	17,100	1.41	19,000	1.62	20,900	1.89	22,200	2.07	24,100	2.39
	115.0	11,700	0.92	14,600	1.23	17,100	1.52	19,000	1.75	20,900	2.04	22,200	2.24	24,100	2.58
	118.0	11,700	1.00	14,600	1.33	17,100	1.64	18,900	1.88	20,600	2.18	21,700	2.36	23,500	2.70

NOTE

- The performance table shows the average value of each conditions.

Capacity Table

Outdoor Unit

VRD036S6M-5P

Heating

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature		Indoor Temperature (°F, DB)									
			61.0		65.0		70.0		72.0		75.0	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
130	-21.8	-22.0	29,700	3.16	28,900	3.39	27,800	3.69	27,300	3.79	26,600	4.02
	-17.8	-18.0	32,800	3.36	31,900	3.59	30,800	3.89	30,400	3.99	29,600	4.22
	-12.6	-13.0	37,300	3.66	36,500	3.89	35,400	4.19	34,900	4.28	33,100	4.45
	-7.1	-7.6	41,800	3.95	41,000	4.19	39,800	4.48	38,000	4.52	35,300	4.55
	-4.0	-4.4	44,900	4.15	44,000	4.38	41,300	4.55	39,500	4.58	36,800	4.61
	1.0	0	49,400	4.45	47,400	4.61	43,600	4.65	41,800	4.68	39,100	4.71
	5.0	3.0	52,000	4.65	48,900	4.68	45,100	4.71	43,300	4.75	40,600	4.78
	10.0	9.0	54,300	4.75	51,200	4.78	47,400	4.81	45,600	4.85	42,900	4.88
	14.0	12.0	55,800	4.81	52,700	4.85	48,900	4.88	47,100	4.91	44,400	4.94
	19.0	18.0	58,000	4.91	55,000	4.94	51,100	4.98	49,100	5.01	46,000	5.01
	23.0	21.0	59,600	4.98	56,000	5.01	51,500	5.01	49,500	5.01	46,400	5.01
	27.0	25.0	60,000	5.01	56,400	5.01	51,900	5.01	49,900	5.01	46,800	5.01
	32.0	30.0	60,600	5.01	57,000	5.01	52,500	5.01	50,500	5.01	47,400	5.01
	37.0	36.0	61,200	5.01	57,600	5.01	53,100	5.01	51,200	5.01	48,100	5.01
	44.0	40.0	61,900	5.01	58,300	5.01	53,800	5.01	51,800	5.01	48,500	4.73
	47.0	43.0	62,100	5.01	58,500	5.01	54,000	5.01	52,000	5.01	48,500	4.57
	51.0	47.0	62,900	5.01	59,300	5.01	54,600	4.71	52,200	4.44	48,500	4.04
	54.0	50.0	63,100	5.01	59,500	5.01	54,600	4.57	52,200	4.31	48,500	3.93
	57.0	53.0	63,500	5.01	60,000	4.89	54,600	4.31	52,200	4.07	48,500	3.72
	60.0	56.0	64,000	5.01	60,000	4.61	54,600	4.09	52,200	3.87	48,500	3.54
120	-21.8	-22.0	28,700	3.39	28,000	3.62	27,000	3.86	26,500	4.02	25,900	4.19
	-17.8	-18.0	31,800	3.59	31,000	3.82	30,000	4.05	29,600	4.22	28,500	4.38
	-12.6	-13.0	36,300	3.89	35,500	4.12	34,500	4.35	33,200	4.45	30,800	4.48
	-7.1	-7.6	40,800	4.19	40,100	4.42	37,100	4.52	35,500	4.55	33,100	4.58
	-4.0	-4.4	43,900	4.38	42,100	4.55	38,700	4.58	37,000	4.61	34,600	4.65
	1.0	0	47,200	4.61	44,400	4.65	40,900	4.68	39,300	4.71	36,900	4.75
	5.0	3.0	48,700	4.68	45,900	4.71	42,400	4.75	40,800	4.78	38,400	4.81
	10.0	9.0	51,000	4.78	48,200	4.81	44,700	4.85	43,100	4.88	40,600	4.91
	14.0	12.0	52,500	4.85	49,700	4.88	46,200	4.91	44,600	4.94	42,200	4.98
	19.0	18.0	54,800	4.94	52,000	4.98	47,900	5.01	46,100	5.01	43,300	5.01
	23.0	21.0	55,700	5.01	52,400	5.01	48,300	5.01	46,500	5.01	43,700	5.01
	27.0	25.0	56,100	5.01	52,800	5.01	48,700	5.01	46,900	5.01	44,100	5.01
	32.0	30.0	56,700	5.01	53,500	5.01	49,400	5.01	47,600	5.01	44,800	4.96
	37.0	36.0	57,300	5.01	54,100	5.01	50,000	5.01	48,200	4.94	44,800	4.45
	44.0	40.0	58,000	5.01	54,700	5.01	50,400	4.73	48,200	4.45	44,800	4.02
	47.0	43.0	58,200	5.01	54,900	5.01	50,400	4.57	48,200	4.30	44,800	3.89
	51.0	47.0	59,000	5.01	55,300	4.60	50,400	4.03	48,200	3.81	44,800	3.46
	54.0	50.0	59,200	4.91	55,300	4.46	50,400	3.92	48,200	3.70	44,800	3.37
	57.0	53.0	59,200	4.62	55,300	4.20	50,400	3.71	48,200	3.51	44,800	3.20
	60.0	56.0	59,200	4.37	55,300	3.98	50,400	3.53	48,200	3.34	44,800	3.05
110	-21.8	-22.0	27,800	3.62	27,100	3.86	26,100	4.02	25,700	4.19	24,800	4.32
	-17.8	-18.0	30,800	3.82	30,100	4.05	29,200	4.22	28,300	4.38	26,300	4.38
	-12.6	-13.0	35,300	4.12	34,600	4.35	32,200	4.45	30,500	4.48	28,600	4.48
	-7.1	-7.6	39,900	4.42	37,600	4.52	34,500	4.55	32,800	4.58	30,800	4.58
	-4.0	-4.4	41,700	4.55	39,100	4.58	36,000	4.61	34,300	4.65	32,300	4.65
	1.0	0	44,000	4.65	41,400	4.68	38,300	4.71	36,600	4.75	34,600	4.75
	5.0	3.0	45,500	4.71	42,900	4.75	39,800	4.78	38,100	4.81	36,100	4.81
	10.0	9.0	47,700	4.81	45,200	4.85	42,100	4.88	40,400	4.91	38,400	4.91
	14.0	12.0	49,200	4.88	46,700	4.91	43,600	4.94	41,900	4.98	39,900	4.98
	19.0	18.0	51,500	4.98	48,400	5.01	44,700	5.01	42,900	5.01	40,400	5.01
	23.0	21.0	51,800	5.01	48,800	5.01	45,200	5.01	43,300	5.01	40,800	5.01
	27.0	25.0	52,200	5.01	49,300	5.01	45,600	5.01	43,800	5.01	41,000	4.69
	32.0	30.0	52,800	5.01	49,900	5.01	46,200	4.98	44,200	4.67	41,000	4.20
	37.0	36.0	53,500	5.01	50,500	5.01	46,200	4.46	44,200	4.19	41,000	3.77
	44.0	40.0	54,100	5.01	50,700	4.62	46,200	4.02	44,200	3.78	41,000	3.42
	47.0	43.0	54,300	4.94	50,700	4.46	46,200	3.89	44,200	3.66	41,000	3.31
	51.0	47.0	54,300	4.34	50,700	3.93	46,200	3.45	44,200	3.26	41,000	2.96
	54.0	50.0	54,300	4.21	50,700	3.82	46,200	3.36	44,200	3.17	41,000	2.88
	57.0	53.0	54,300	3.97	50,700	3.61	46,200	3.19	44,200	3.01	41,000	2.75
	60.0	56.0	54,300	3.77	50,700	3.43	46,200	3.04	44,200	2.88	41,000	2.63

Capacity Table

Outdoor Unit

VRD036S6M-5P

Heating

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature		Indoor Temperature (°F, DB)									
			61.0		65.0		70.0		72.0		75.0	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
100	-21.8	-22.0	26,800	3.89	26,100	4.09	25,300	4.32	24,200	4.35	22,500	4.35
	-17.8	-18.0	29,800	4.09	29,200	4.28	27,100	4.38	25,800	4.42	24,000	4.42
	-12.6	-13.0	34,300	4.38	32,200	4.45	29,400	4.48	28,000	4.52	26,300	4.52
	-7.1	-7.6	36,700	4.55	34,400	4.55	31,600	4.58	30,300	4.61	28,600	4.61
	-4.0	-4.4	38,200	4.61	35,900	4.61	33,100	4.65	31,800	4.68	30,100	4.68
	1.0	0	40,500	4.71	38,200	4.71	35,400	4.75	34,100	4.78	32,300	4.78
	5.0	3.0	42,000	4.78	39,700	4.78	36,900	4.81	35,600	4.85	33,800	4.85
	10.0	9.0	44,300	4.88	42,000	4.88	39,200	4.91	37,900	4.94	36,100	4.94
	14.0	12.0	45,800	4.94	43,500	4.94	40,700	4.98	39,300	5.01	37,100	5.01
	19.0	18.0	47,500	5.01	44,700	5.01	42,000	5.01	39,900	5.01	37,300	4.60
	23.0	21.0	47,900	5.01	45,100	5.01	42,000	5.01	40,200	4.73	37,300	4.26
	27.0	25.0	48,300	5.01	45,500	5.01	42,000	4.69	40,200	4.38	37,300	3.94
	32.0	30.0	48,900	5.01	46,100	4.84	42,000	4.19	40,200	3.92	37,300	3.54
	37.0	36.0	49,400	4.82	46,100	4.33	42,000	3.76	40,200	3.53	37,300	3.19
	44.0	40.0	49,400	4.33	46,100	3.91	42,000	3.41	40,200	3.20	37,300	2.90
	47.0	43.0	49,400	4.19	46,100	3.78	42,000	3.30	40,200	3.10	37,300	2.81
	51.0	47.0	49,400	3.70	46,100	3.35	42,000	2.94	40,200	2.77	37,300	2.52
	54.0	50.0	49,400	3.60	46,100	3.26	42,000	2.87	40,200	2.70	37,300	2.46
	57.0	53.0	49,400	3.41	46,100	3.10	42,000	2.73	40,200	2.58	37,300	2.35
	60.0	56.0	49,400	3.24	46,100	2.95	42,000	2.61	40,200	2.47	37,300	2.26
90	-21.8	-22.0	25,800	4.19	25,100	4.25	22,700	4.35	21,800	4.28	19,600	3.98
	-17.8	-18.0	28,700	4.38	26,700	4.38	24,200	4.42	23,300	4.35	21,100	4.04
	-12.6	-13.0	31,000	4.48	28,900	4.48	26,500	4.52	25,500	4.45	23,400	4.14
	-7.1	-7.6	33,200	4.58	31,200	4.58	28,800	4.61	27,800	4.54	25,700	4.24
	-4.0	-4.4	34,700	4.65	32,700	4.65	30,300	4.68	29,300	4.61	27,200	4.31
	1.0	0	37,000	4.75	35,000	4.75	32,500	4.78	31,600	4.71	29,400	4.41
	5.0	3.0	38,500	4.81	36,500	4.81	34,100	4.85	33,100	4.78	31,000	4.47
	10.0	9.0	40,800	4.91	38,800	4.91	36,300	4.94	35,400	4.87	33,200	4.57
	14.0	12.0	42,300	4.98	40,300	4.98	37,400	5.01	36,100	4.94	33,600	4.42
	19.0	18.0	43,400	5.01	40,900	5.01	37,800	4.69	36,100	4.39	33,600	3.93
	23.0	21.0	43,800	5.01	41,300	5.01	37,800	4.34	36,100	4.06	33,600	3.64
	27.0	25.0	44,200	5.01	41,500	4.64	37,800	4.02	36,100	3.76	33,600	3.38
	32.0	30.0	44,400	4.63	41,500	4.15	37,800	3.60	36,100	3.38	33,600	3.04
	37.0	36.0	44,400	4.15	41,500	3.73	37,800	3.25	36,100	3.05	33,600	2.75
	44.0	40.0	44,400	3.75	41,500	3.38	37,800	2.95	36,100	2.77	33,600	2.50
	47.0	43.0	44,400	3.63	41,500	3.27	37,800	2.86	36,100	2.69	33,600	2.43
	51.0	47.0	44,400	3.23	41,500	2.92	37,800	2.57	36,100	2.42	33,600	2.19
	54.0	50.0	44,400	3.14	41,500	2.84	37,800	2.50	36,100	2.36	33,600	2.14
	57.0	53.0	44,400	2.99	41,500	2.71	37,800	2.39	36,100	2.26	33,600	2.05
	60.0	56.0	44,400	2.85	41,500	2.59	37,800	2.29	36,100	2.17	33,600	1.97
80	-21.8	-22.0	23,700	4.35	22,200	4.35	19,600	4.00	18,400	3.70	16,500	3.44
	-17.8	-18.0	25,200	4.42	23,700	4.42	21,200	4.06	19,900	3.77	18,000	3.51
	-12.6	-13.0	27,500	4.52	25,900	4.52	23,400	4.16	22,200	3.87	20,300	3.60
	-7.1	-7.6	29,700	4.61	28,200	4.61	25,700	4.26	24,500	3.97	22,600	3.70
	-4.0	-4.4	31,300	4.68	29,700	4.68	27,200	4.33	26,000	4.03	24,100	3.77
	1.0	0	33,500	4.78	32,000	4.78	29,500	4.43	28,200	4.13	26,300	3.87
	5.0	3.0	35,000	4.85	33,500	4.85	31,000	4.49	29,700	4.20	27,900	3.93
	10.0	9.0	37,300	4.94	35,800	4.94	33,200	4.59	32,000	4.30	29,800	4.03
	14.0	12.0	38,600	5.01	36,700	5.01	33,600	4.44	32,100	4.16	29,800	3.73
	19.0	18.0	39,300	5.01	36,900	4.58	33,600	3.95	32,100	3.70	29,800	3.32
	23.0	21.0	39,500	4.74	36,900	4.24	33,600	3.66	32,100	3.43	29,800	3.08
	27.0	25.0	39,500	4.39	36,900	3.93	33,600	3.39	32,100	3.18	29,800	2.86
	32.0	30.0	39,500	3.93	36,900	3.52	33,600	3.05	32,100	2.86	29,800	2.58
	37.0	36.0	39,500	3.54	36,900	3.18	33,600	2.76	32,100	2.59	29,800	2.34
	44.0	40.0	39,500	3.21	36,900	2.89	33,600	2.51	32,100	2.37	29,800	2.14
	47.0	43.0	39,500	3.11	36,900	2.80	33,600	2.44	32,100	2.30	29,800	2.08
	51.0	47.0	39,500	2.78	36,900	2.51	33,600	2.20	32,100	2.08	29,800	1.89
	54.0	50.0	39,500	2.72	36,900	2.45	33,600	2.15	32,100	2.03	29,800	1.85
	57.0	53.0	39,500	2.59	36,900	2.35	33,600	2.06	32,100	1.95	29,800	1.77
	60.0	56.0	39,500	2.48	36,900	2.25	33,600	1.98	32,100	1.88	29,800	1.71

Capacity Table

Outdoor Unit

VRD036S6M-5P

Heating

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature		Indoor Temperature (°F, DB)									
			61.0		65.0		70.0		72.0		75.0	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
70	-21.8	-22.0	20,400	4.36	18,500	3.82	16,100	3.40	15,100	3.14	13,400	2.94
	-17.8	-18.0	21,900	4.43	20,100	3.89	17,700	3.47	16,600	3.21	14,900	3.00
	-12.6	-13.0	24,200	4.53	22,300	3.99	19,900	3.57	18,900	3.30	17,200	3.10
	-7.1	-7.6	26,500	4.62	24,600	4.09	22,200	3.66	21,100	3.40	19,500	3.20
	-4.0	-4.4	28,000	4.69	26,100	4.15	23,700	3.73	22,600	3.47	21,000	3.27
	1.0	0	30,300	4.79	28,400	4.25	26,000	3.83	24,900	3.57	23,200	3.36
	5.0	3.0	31,800	4.86	29,900	4.32	27,500	3.90	26,400	3.63	24,700	3.43
	10.0	9.0	34,000	4.95	32,100	4.42	29,400	3.99	28,100	3.73	26,100	3.36
	14.0	12.0	34,600	4.79	32,300	4.28	29,400	3.69	28,100	3.45	26,100	3.11
	19.0	18.0	34,600	4.26	32,300	3.80	29,400	3.28	28,100	3.07	26,100	2.77
	23.0	21.0	34,600	3.94	32,300	3.52	29,400	3.05	28,100	2.85	26,100	2.57
	27.0	25.0	34,600	3.66	32,300	3.27	29,400	2.83	28,100	2.65	26,100	2.39
	32.0	30.0	34,600	3.28	32,300	2.94	29,400	2.55	28,100	2.39	26,100	2.16
	37.0	36.0	34,600	2.96	32,300	2.66	29,400	2.32	28,100	2.18	26,100	1.97
	44.0	40.0	34,600	2.70	32,300	2.43	29,400	2.12	28,100	1.99	26,100	1.81
	47.0	43.0	34,600	2.62	32,300	2.36	29,400	2.06	28,100	1.94	26,100	1.76
	51.0	47.0	34,600	2.36	32,300	2.13	29,400	1.87	28,100	1.77	26,100	1.61
	54.0	50.0	34,600	2.31	32,300	2.09	29,400	1.83	28,100	1.73	26,100	1.57
	57.0	53.0	34,600	2.21	32,300	2.00	29,400	1.76	28,100	1.66	26,100	1.51
	60.0	56.0	34,600	2.12	32,300	1.92	29,400	1.70	28,100	1.61	26,100	1.46
60	-21.8	-22.0	16,300	3.61	14,700	3.18	12,700	2.82	11,700	2.60	10,300	2.41
	-17.8	-18.0	17,800	3.68	16,200	3.24	14,200	2.88	13,200	2.67	11,800	2.47
	-12.6	-13.0	20,100	3.78	18,500	3.34	16,400	2.98	15,500	2.77	14,100	2.57
	-7.1	-7.6	22,400	3.88	20,800	3.44	18,700	3.08	17,800	2.86	16,400	2.67
	-4.0	-4.4	23,900	3.94	22,300	3.51	20,200	3.15	19,300	2.93	17,900	2.74
	1.0	0	26,100	4.04	24,500	3.61	22,500	3.25	21,600	3.03	20,100	2.84
	5.0	3.0	27,700	4.11	26,000	3.67	24,000	3.31	23,100	3.10	21,600	2.90
	10.0	9.0	29,600	4.21	27,700	3.77	25,200	3.25	24,100	3.04	22,400	2.71
	14.0	12.0	29,600	3.89	27,700	3.48	25,200	3.00	24,100	2.81	22,400	2.51
	19.0	18.0	29,600	3.46	27,700	3.10	25,200	2.68	24,100	2.51	22,400	2.24
	23.0	21.0	29,600	3.21	27,700	2.88	25,200	2.49	24,100	2.33	22,400	2.09
	27.0	25.0	29,600	2.98	27,700	2.68	25,200	2.32	24,100	2.17	22,400	1.95
	32.0	30.0	29,600	2.69	27,700	2.42	25,200	2.10	24,100	1.97	22,400	1.77
	37.0	36.0	29,600	2.44	27,700	2.20	25,200	1.91	24,100	1.80	22,400	1.61
	44.0	40.0	29,600	2.23	27,700	2.01	25,200	1.76	24,100	1.65	22,400	1.49
	47.0	43.0	29,600	2.17	27,700	1.96	25,200	1.71	24,100	1.61	22,400	1.45
	51.0	47.0	29,600	1.97	27,700	1.78	25,200	1.56	24,100	1.47	22,400	1.33
	54.0	50.0	29,600	1.93	27,700	1.75	25,200	1.53	24,100	1.44	22,400	1.31
	57.0	53.0	29,600	1.85	27,700	1.68	25,200	1.48	24,100	1.39	22,400	1.26
	60.0	56.0	29,600	1.79	27,700	1.62	25,200	1.43	24,100	1.35	22,400	1.22
50	-21.8	-22.0	12,200	2.89	10,900	2.53	9,200	2.25	8,400	2.05	7,200	1.80
	-17.8	-18.0	13,700	2.95	12,400	2.60	10,700	2.32	9,900	2.12	8,700	1.86
	-12.6	-13.0	16,000	3.05	14,600	2.70	12,900	2.41	12,200	2.22	11,000	1.96
	-7.1	-7.6	18,300	3.15	16,900	2.80	15,200	2.51	14,400	2.32	13,200	2.06
	-4.0	-4.4	19,800	3.22	18,400	2.86	16,700	2.58	16,000	2.38	14,800	2.13
	1.0	0	22,000	3.31	20,700	2.96	19,000	2.68	18,200	2.48	17,000	2.23
	5.0	3.0	23,600	3.38	22,200	3.03	20,500	2.74	19,700	2.55	18,500	2.29
	10.0	9.0	24,700	3.31	23,100	2.97	21,000	2.57	20,100	2.39	18,700	2.15
	14.0	12.0	24,700	3.06	23,100	2.75	21,000	2.38	20,100	2.21	18,700	1.99
	19.0	18.0	24,700	2.73	23,100	2.46	21,000	2.12	20,100	1.98	18,700	1.78
	23.0	21.0	24,700	2.54	23,100	2.28	21,000	1.98	20,100	1.84	18,700	1.66
	27.0	25.0	24,700	2.37	23,100	2.13	21,000	1.85	20,100	1.72	18,700	1.55
	32.0	30.0	24,700	2.14	23,100	1.93	21,000	1.68	20,100	1.56	18,700	1.41
	37.0	36.0	24,700	1.95	23,100	1.76	21,000	1.53	20,100	1.43	18,700	1.30
	44.0	40.0	24,700	1.80	23,100	1.62	21,000	1.41	20,100	1.32	18,700	1.20
	47.0	43.0	24,700	1.75	23,100	1.58	21,000	1.38	20,100	1.29	18,700	1.17
	51.0	47.0	24,700	1.60	23,100	1.45	21,000	1.27	20,100	1.19	18,700	1.08
	54.0	50.0	24,700	1.57	23,100	1.42	21,000	1.24	20,100	1.17	18,700	1.06
	57.0	53.0	24,700	1.51	23,100	1.37	21,000	1.20	20,100	1.13	18,700	1.03
	60.0	56.0	24,700	1.46	23,100	1.33	21,000	1.17	20,100	1.09	18,700	1.00

NOTE

- The performance table shows the average value of each conditions.

Capacity Table

Outdoor Unit

VRD048S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
	DB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
130	23.0	38,400	1.10	48,000	1.35	56,300	1.57	62,400	1.74	68,800	1.94	72,900	2.07	79,300	2.29
	27.0	38,400	1.12	48,000	1.38	56,300	1.62	62,400	1.80	68,800	2.00	72,900	2.15	79,300	2.38
	32.0	38,400	1.17	48,000	1.45	56,300	1.70	62,400	1.89	68,800	2.12	72,900	2.28	79,300	2.54
	37.0	38,400	1.23	48,000	1.53	56,300	1.80	62,400	2.01	68,800	2.26	72,900	2.44	79,300	2.74
	41.0	38,400	1.27	48,000	1.59	56,300	1.87	62,400	2.10	68,800	2.37	72,900	2.56	79,300	2.89
	46.0	38,400	1.34	48,000	1.69	56,300	2.00	62,400	2.26	68,800	2.56	72,900	2.78	79,300	3.15
	50.0	38,400	1.40	48,000	1.76	56,300	2.11	62,400	2.38	68,800	2.71	72,900	2.95	79,300	3.35
	54.0	38,400	1.46	48,000	1.85	56,300	2.22	62,400	2.52	68,800	2.88	72,900	3.14	79,300	3.58
	57.0	38,400	1.53	48,000	1.95	56,300	2.35	62,400	2.68	68,800	3.07	72,900	3.36	79,300	3.83
	61.0	38,400	1.61	48,000	2.07	56,300	2.50	62,400	2.86	68,800	3.29	72,900	3.59	79,300	4.12
	64.0	38,400	1.70	48,000	2.19	56,300	2.67	62,400	3.05	68,800	3.52	72,900	3.86	79,300	4.43
	68.0	38,400	1.80	48,000	2.34	56,300	2.85	62,400	3.27	68,800	3.78	72,900	4.15	76,900	4.31
	70.0	38,400	1.85	48,000	2.41	56,300	2.96	62,400	3.39	68,800	3.92	72,900	4.30	75,500	4.25
	73.0	38,400	1.98	48,000	2.58	56,300	3.17	62,400	3.65	68,800	4.23	72,900	4.41	72,600	4.13
	77.0	38,400	2.11	48,000	2.77	56,300	3.41	62,400	3.93	68,800	4.56	69,700	4.29	69,700	4.02
	81.0	38,400	2.26	48,000	2.98	56,300	3.68	62,400	4.24	66,900	4.44	66,900	4.18	66,900	3.90
	84.0	38,400	2.43	48,000	3.21	56,300	3.96	62,400	4.57	64,000	4.32	64,000	4.06	64,000	3.78
	88.0	38,400	2.62	48,000	3.46	56,300	4.28	61,100	4.69	61,100	4.21	61,100	3.94	61,100	3.67
	91.0	38,400	2.82	48,000	3.73	56,300	4.62	58,200	4.58	58,200	4.09	58,200	3.83	58,200	3.55
	95.0	38,400	3.04	48,000	4.03	55,300	4.74	55,300	4.46	55,300	3.97	55,300	3.71	55,300	3.43
120	99.0	38,400	3.28	48,000	4.35	52,500	4.63	52,500	4.34	52,500	3.86	52,500	3.59	52,500	3.31
	102.0	38,400	3.55	48,000	4.70	49,600	4.51	49,600	4.22	49,600	3.74	49,600	3.47	49,600	3.20
	108.0	38,400	3.98	45,300	4.77	45,300	4.33	45,300	4.05	45,300	3.56	45,300	3.30	45,300	3.02
	111.0	38,400	4.30	42,400	4.65	42,400	4.22	42,400	3.93	42,400	3.45	42,400	3.18	42,400	2.90
	115.0	38,400	4.63	39,500	4.53	39,500	4.10	39,500	3.82	39,500	3.33	39,500	3.06	39,500	2.79
	118.0	36,600	4.52	36,600	4.42	36,600	3.98	36,600	3.70	36,600	3.21	36,600	2.95	36,600	2.67
	23.0	35,400	1.00	44,300	1.23	52,000	1.42	57,600	1.58	63,500	1.77	67,300	1.89	73,200	2.10
	27.0	35,400	1.02	44,300	1.25	52,000	1.47	57,600	1.64	63,500	1.83	67,300	1.96	73,200	2.18
	32.0	35,400	1.05	44,300	1.32	52,000	1.55	57,600	1.72	63,500	1.93	67,300	2.07	73,200	2.32
	37.0	35,400	1.11	44,300	1.38	52,000	1.63	57,600	1.82	63,500	2.05	67,300	2.21	73,200	2.48
	41.0	35,400	1.14	44,300	1.43	52,000	1.69	57,600	1.90	63,500	2.14	67,300	2.31	73,200	2.60
	46.0	35,400	1.21	44,300	1.52	52,000	1.81	57,600	2.03	63,500	2.31	67,300	2.50	73,200	2.83
	50.0	35,400	1.25	44,300	1.59	52,000	1.89	57,600	2.14	63,500	2.44	67,300	2.64	73,200	3.00
	54.0	35,400	1.31	44,300	1.66	52,000	1.99	57,600	2.26	63,500	2.58	67,300	2.81	73,200	3.19
	57.0	35,400	1.37	44,300	1.75	52,000	2.10	57,600	2.39	63,500	2.74	67,300	2.99	73,200	3.41
	61.0	35,400	1.44	44,300	1.84	52,000	2.23	57,600	2.55	63,500	2.93	67,300	3.19	73,200	3.65
	64.0	35,400	1.52	44,300	1.95	52,000	2.37	57,600	2.72	63,500	3.13	67,300	3.42	73,200	3.92
	68.0	35,400	1.60	44,300	2.08	52,000	2.53	57,600	2.91	63,500	3.36	67,300	3.67	73,200	4.22
	70.0	35,400	1.65	44,300	2.15	52,000	2.62	57,600	3.01	63,500	3.48	67,300	3.81	73,200	4.38
	73.0	35,400	1.76	44,300	2.29	52,000	2.81	57,600	3.23	63,500	3.74	67,300	4.10	72,600	4.48
	77.0	35,400	1.88	44,300	2.46	52,000	3.02	57,600	3.48	63,500	4.03	67,300	4.42	69,700	4.37
	81.0	35,400	2.01	44,300	2.64	52,000	3.25	57,600	3.75	63,500	4.35	66,900	4.53	66,900	4.25
	84.0	35,400	2.15	44,300	2.84	52,000	3.50	57,600	4.04	63,500	4.69	64,000	4.42	64,000	4.13
	88.0	35,400	2.32	44,300	3.06	52,000	3.77	57,600	4.36	61,100	4.57	61,100	4.30	61,100	4.02
	91.0	35,400	2.49	44,300	3.30	52,000	4.07	57,600	4.71	58,200	4.46	58,200	4.18	58,200	3.90
	95.0	35,400	2.69	44,300	3.56	52,000	4.40	55,300	4.60	55,300	4.34	55,300	4.07	55,300	3.78
	99.0	35,400	2.90	44,300	3.85	52,000	4.75	52,500	4.48	52,500	4.22	52,500	3.95	52,500	3.66
	102.0	35,400	3.14	44,300	4.15	49,600	4.64	49,600	4.36	49,600	4.11	49,600	3.83	49,600	3.55
	108.0	35,400	3.52	44,300	4.66	45,300	4.46	45,300	4.19	45,300	3.93	45,300	3.66	45,300	3.37
	111.0	35,400	3.80	42,400	4.54	42,400	4.34	42,400	4.07	42,400	3.81	42,400	3.54	42,400	3.25
	115.0	35,400	4.10	39,500	4.43	39,500	4.23	39,500	3.95	39,500	3.70	39,500	3.42	39,500	3.14
	118.0	35,100	4.34	36,600	4.31	36,600	4.11	36,600	3.84	36,600	3.58	36,600	3.31	36,600	3.02

Capacity Table

Outdoor Unit

VRD048S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
110	23.0	32,500	0.89	40,600	1.11	47,600	1.30	52,800	1.44	58,200	1.61	61,700	1.73	67,100	1.92
	27.0	32,500	0.91	40,600	1.14	47,600	1.33	52,800	1.48	58,200	1.66	61,700	1.78	67,100	1.99
	32.0	32,500	0.94	40,600	1.19	47,600	1.40	52,800	1.56	58,200	1.75	61,700	1.88	67,100	2.10
	37.0	32,500	0.99	40,600	1.24	47,600	1.47	52,800	1.65	58,200	1.85	61,700	2.00	67,100	2.24
	41.0	32,500	1.02	40,600	1.29	47,600	1.53	52,800	1.71	58,200	1.93	61,700	2.08	67,100	2.34
	46.0	32,500	1.08	40,600	1.36	47,600	1.62	52,800	1.83	58,200	2.07	61,700	2.24	67,100	2.53
	50.0	32,500	1.12	40,600	1.42	47,600	1.70	52,800	1.92	58,200	2.18	61,700	2.36	67,100	2.67
	54.0	32,500	1.16	40,600	1.48	47,600	1.78	52,800	2.02	58,200	2.30	61,700	2.50	67,100	2.84
	57.0	32,500	1.21	40,600	1.56	47,600	1.88	52,800	2.13	58,200	2.44	61,700	2.66	67,100	3.02
	61.0	32,500	1.27	40,600	1.64	47,600	1.99	52,800	2.26	58,200	2.59	61,700	2.83	67,100	3.23
	64.0	32,500	1.34	40,600	1.74	47,600	2.11	52,800	2.41	58,200	2.77	61,700	3.02	67,100	3.46
	68.0	32,500	1.42	40,600	1.84	47,600	2.24	52,800	2.57	58,200	2.96	61,700	3.24	67,100	3.71
	70.0	32,500	1.46	40,600	1.90	47,600	2.32	52,800	2.66	58,200	3.07	61,700	3.36	67,100	3.85
	73.0	32,500	1.55	40,600	2.03	47,600	2.48	52,800	2.85	58,200	3.30	61,700	3.61	67,100	4.15
	77.0	32,500	1.65	40,600	2.17	47,600	2.66	52,800	3.06	58,200	3.55	61,700	3.89	67,100	4.47
	81.0	32,500	1.77	40,600	2.33	47,600	2.86	52,800	3.30	58,200	3.82	61,700	4.19	66,900	4.58
	84.0	32,500	1.89	40,600	2.50	47,600	3.08	52,800	3.55	58,200	4.12	61,700	4.52	64,000	4.47
	88.0	32,500	2.03	40,600	2.69	47,600	3.32	52,800	3.83	58,200	4.45	61,100	4.64	61,100	4.35
	91.0	32,500	2.19	40,600	2.90	47,600	3.58	52,800	4.14	58,200	4.81	58,200	4.53	58,200	4.23
	95.0	32,500	2.36	40,600	3.13	47,600	3.87	52,800	4.47	55,300	4.69	55,300	4.41	55,300	4.12
	99.0	32,500	2.55	40,600	3.38	47,600	4.18	52,500	4.59	52,500	4.57	52,500	4.29	52,500	4.00
100	102.0	32,500	2.75	40,600	3.65	47,600	4.51	49,600	4.47	49,600	4.45	49,600	4.18	49,600	3.88
	108.0	32,500	3.09	40,600	4.10	45,300	4.57	45,300	4.29	45,300	4.28	45,300	4.00	45,300	3.71
	111.0	32,500	3.33	40,600	4.42	42,400	4.46	42,400	4.18	42,400	4.16	42,400	3.88	42,400	3.59
	115.0	32,500	3.60	39,500	4.54	39,500	4.34	39,500	4.06	39,500	4.05	39,500	3.77	39,500	3.47
	118.0	32,500	3.88	36,600	4.42	36,600	4.22	36,600	3.94	36,600	3.93	36,600	3.65	36,600	3.36
	23.0	29,500	0.80	36,900	1.00	43,300	1.17	48,000	1.30	52,900	1.46	56,100	1.56	61,000	1.74
	27.0	29,500	0.82	36,900	1.02	43,300	1.20	48,000	1.34	52,900	1.50	56,100	1.61	61,000	1.80
	32.0	29,500	0.84	36,900	1.06	43,300	1.26	48,000	1.40	52,900	1.58	56,100	1.70	61,000	1.90
	37.0	29,500	0.88	36,900	1.11	43,300	1.32	48,000	1.48	52,900	1.67	56,100	1.80	61,000	2.01
	41.0	29,500	0.91	36,900	1.15	43,300	1.37	48,000	1.53	52,900	1.73	56,100	1.87	61,000	2.10
	46.0	29,500	0.96	36,900	1.21	43,300	1.45	48,000	1.63	52,900	1.85	56,100	2.00	61,000	2.26
	50.0	29,500	0.99	36,900	1.26	43,300	1.51	48,000	1.70	52,900	1.94	56,100	2.10	61,000	2.38
	54.0	29,500	1.03	36,900	1.32	43,300	1.58	48,000	1.79	52,900	2.04	56,100	2.22	61,000	2.52
	57.0	29,500	1.07	36,900	1.38	43,300	1.66	48,000	1.89	52,900	2.16	56,100	2.35	61,000	2.67
	61.0	29,500	1.13	36,900	1.45	43,300	1.76	48,000	2.00	52,900	2.29	56,100	2.49	61,000	2.85
	64.0	29,500	1.18	36,900	1.53	43,300	1.86	48,000	2.12	52,900	2.44	56,100	2.66	61,000	3.04
	68.0	29,500	1.25	36,900	1.62	43,300	1.98	48,000	2.26	52,900	2.60	56,100	2.84	61,000	3.26
	70.0	29,500	1.28	36,900	1.67	43,300	2.04	48,000	2.34	52,900	2.69	56,100	2.94	61,000	3.38
	73.0	29,500	1.36	36,900	1.78	43,300	2.18	48,000	2.50	52,900	2.89	56,100	3.16	61,000	3.63
	77.0	29,500	1.45	36,900	1.90	43,300	2.33	48,000	2.68	52,900	3.10	56,100	3.40	61,000	3.91
	81.0	29,500	1.55	36,900	2.03	43,300	2.51	48,000	2.88	52,900	3.34	56,100	3.66	61,000	4.22
	84.0	29,500	1.66	36,900	2.18	43,300	2.70	48,000	3.10	52,900	3.60	56,100	3.95	61,000	4.55
	88.0	29,500	1.78	36,900	2.35	43,300	2.90	48,000	3.35	52,900	3.89	56,100	4.26	61,000	4.91
	91.0	29,500	1.91	36,900	2.53	43,300	3.13	48,000	3.61	52,900	4.19	56,100	4.60	58,200	4.79
	95.0	29,500	2.06	36,900	2.73	43,300	3.38	48,000	3.90	52,900	4.53	55,300	4.72	55,300	4.68
	99.0	29,500	2.22	36,900	2.95	43,300	3.65	48,000	4.21	52,500	4.65	52,500	4.61	52,500	4.56
	102.0	29,500	2.40	36,900	3.18	43,300	3.94	48,000	4.55	49,600	4.53	49,600	4.49	49,600	4.44
	108.0	29,500	2.69	36,900	3.57	43,300	4.42	45,300	4.62	45,300	4.36	45,300	4.31	45,300	4.27
	111.0	29,500	2.91	36,900	3.86	42,400	4.54	42,400	4.50	42,400	4.24	42,400	4.20	42,400	4.15
	115.0	29,500	3.14	36,900	4.16	39,500	4.42	39,500	4.38	39,500	4.12	39,500	4.08	39,500	4.03
	118.0	29,500	3.39	36,400	4.40	36,600	4.30	36,600	4.26	36,600	4.01	36,600	3.96	36,600	3.92

Capacity Table

Outdoor Unit

VRD048S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
90	23.0	26,600	0.69	33,200	0.87	39,000	1.03	43,200	1.15	47,600	1.29	50,500	1.38	54,900	1.54
	27.0	26,600	0.71	33,200	0.89	39,000	1.06	43,200	1.18	47,600	1.33	50,500	1.42	54,900	1.59
	32.0	26,600	0.73	33,200	0.92	39,000	1.10	43,200	1.23	47,600	1.39	50,500	1.50	54,900	1.68
	37.0	26,600	0.76	33,200	0.97	39,000	1.15	43,200	1.29	47,600	1.46	50,500	1.58	54,900	1.77
	41.0	26,600	0.79	33,200	1.00	39,000	1.19	43,200	1.34	47,600	1.52	50,500	1.64	54,900	1.84
	46.0	26,600	0.83	33,200	1.05	39,000	1.26	43,200	1.42	47,600	1.61	50,500	1.74	54,900	1.97
	50.0	26,600	0.86	33,200	1.09	39,000	1.31	43,200	1.48	47,600	1.69	50,500	1.83	54,900	2.07
	54.0	26,600	0.89	33,200	1.14	39,000	1.37	43,200	1.55	47,600	1.77	50,500	1.92	54,900	2.18
	57.0	26,600	0.93	33,200	1.19	39,000	1.44	43,200	1.63	47,600	1.87	50,500	2.03	54,900	2.30
	61.0	26,600	0.97	33,200	1.25	39,000	1.51	43,200	1.72	47,600	1.98	50,500	2.15	54,900	2.45
	64.0	26,600	1.02	33,200	1.32	39,000	1.60	43,200	1.82	47,600	2.10	50,500	2.28	54,900	2.61
	68.0	26,600	1.07	33,200	1.39	39,000	1.70	43,200	1.94	47,600	2.23	50,500	2.44	54,900	2.79
	70.0	26,600	1.10	33,200	1.43	39,000	1.75	43,200	2.00	47,600	2.31	50,500	2.52	54,900	2.88
	73.0	26,600	1.16	33,200	1.52	39,000	1.86	43,200	2.13	47,600	2.47	50,500	2.70	54,900	3.09
	77.0	26,600	1.24	33,200	1.62	39,000	1.99	43,200	2.29	47,600	2.65	50,500	2.90	54,900	3.33
	81.0	26,600	1.32	33,200	1.74	39,000	2.13	43,200	2.45	47,600	2.85	50,500	3.12	54,900	3.58
	84.0	26,600	1.41	33,200	1.86	39,000	2.29	43,200	2.64	47,600	3.07	50,500	3.36	54,900	3.86
	88.0	26,600	1.51	33,200	2.00	39,000	2.47	43,200	2.84	47,600	3.30	50,500	3.62	54,900	4.17
	91.0	26,600	1.63	33,200	2.15	39,000	2.66	43,200	3.07	47,600	3.57	50,500	3.91	54,900	4.50
	95.0	26,600	1.75	33,200	2.32	39,000	2.87	43,200	3.31	47,600	3.85	50,500	4.22	54,900	4.86
80	99.0	26,600	1.89	33,200	2.50	39,000	3.10	43,200	3.58	47,600	4.16	50,500	4.56	52,500	4.74
	102.0	26,600	2.04	33,200	2.70	39,000	3.35	43,200	3.86	47,600	4.49	49,600	4.68	49,600	4.63
	108.0	26,600	2.29	33,200	3.04	39,000	3.76	43,200	4.33	45,300	4.55	45,300	4.50	45,300	4.45
	111.0	26,600	2.47	33,200	3.28	39,000	4.06	42,400	4.44	42,400	4.43	42,400	4.39	42,400	4.33
	115.0	26,600	2.67	33,200	3.54	39,000	4.38	39,500	4.33	39,500	4.32	39,500	4.27	39,500	4.22
	118.0	26,600	2.88	33,200	3.75	36,600	4.26	36,600	4.21	36,600	4.20	36,600	4.15	36,600	4.10
	23.0	23,600	0.60	29,500	0.75	34,600	0.90	38,400	1.01	42,300	1.13	44,900	1.22	48,800	1.36
	27.0	23,600	0.61	29,500	0.77	34,600	0.92	38,400	1.03	42,300	1.16	44,900	1.24	48,800	1.40
	32.0	23,600	0.63	29,500	0.80	34,600	0.95	38,400	1.07	42,300	1.21	44,900	1.31	48,800	1.47
	37.0	23,600	0.65	29,500	0.83	34,600	1.00	38,400	1.12	42,300	1.27	44,900	1.37	48,800	1.54
	41.0	23,600	0.67	29,500	0.86	34,600	1.03	38,400	1.16	42,300	1.32	44,900	1.42	48,800	1.60
	46.0	23,600	0.71	29,500	0.90	34,600	1.09	38,400	1.23	42,300	1.39	44,900	1.51	48,800	1.70
	50.0	23,600	0.73	29,500	0.94	34,600	1.13	38,400	1.28	42,300	1.45	44,900	1.58	48,800	1.78
	54.0	23,600	0.76	29,500	0.98	34,600	1.18	38,400	1.34	42,300	1.52	44,900	1.65	48,800	1.87
	57.0	23,600	0.79	29,500	1.02	34,600	1.23	38,400	1.40	42,300	1.60	44,900	1.74	48,800	1.97
	61.0	23,600	0.82	29,500	1.07	34,600	1.29	38,400	1.47	42,300	1.68	44,900	1.84	48,800	2.09
	64.0	23,600	0.86	29,500	1.12	34,600	1.36	38,400	1.56	42,300	1.78	44,900	1.95	48,800	2.22
	68.0	23,600	0.91	29,500	1.18	34,600	1.44	38,400	1.65	42,300	1.89	44,900	2.07	48,800	2.37
	70.0	23,600	0.93	29,500	1.21	34,600	1.48	38,400	1.70	42,300	1.95	44,900	2.14	48,800	2.45
	73.0	23,600	0.98	29,500	1.29	34,600	1.58	38,400	1.81	42,300	2.09	44,900	2.28	48,800	2.62
	77.0	23,600	1.04	29,500	1.37	34,600	1.68	38,400	1.94	42,300	2.23	44,900	2.45	48,800	2.81
	81.0	23,600	1.11	29,500	1.46	34,600	1.80	38,400	2.08	42,300	2.40	44,900	2.63	48,800	3.02
	84.0	23,600	1.19	29,500	1.57	34,600	1.93	38,400	2.23	42,300	2.58	44,900	2.83	48,800	3.25
	88.0	23,600	1.27	29,500	1.68	34,600	2.08	38,400	2.40	42,300	2.78	44,900	3.05	48,800	3.51
	91.0	23,600	1.37	29,500	1.81	34,600	2.24	38,400	2.59	42,300	2.99	44,900	3.29	48,800	3.79
	95.0	23,600	1.47	29,500	1.95	34,600	2.41	38,400	2.79	42,300	3.23	44,900	3.55	48,800	4.09
	99.0	23,600	1.58	29,500	2.10	34,600	2.60	38,400	3.01	42,300	3.49	44,900	3.83	48,800	4.42
	102.0	23,600	1.71	29,500	2.27	34,600	2.81	38,400	3.25	42,300	3.77	44,900	4.14	48,800	4.77
	108.0	23,600	1.92	29,500	2.55	34,600	3.15	38,400	3.65	42,300	4.23	44,900	4.65	45,300	4.60
	111.0	23,600	2.07	29,500	2.75	34,600	3.41	38,400	3.94	42,300	4.56	42,400	4.53	42,400	4.48
	115.0	23,600	2.24	29,500	2.97	34,600	3.68	38,400	4.25	39,500	4.45	39,500	4.41	39,500	4.36
	118.0	23,600	2.42	29,500	3.21	34,400	3.90	36,600	4.14	36,600	4.33	36,600	4.29	36,600	4.24

Capacity Table

Outdoor Unit

VRD048S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
70	23.0	20,700	0.51	25,800	0.64	30,300	0.77	33,600	0.87	37,000	0.98	39,200	1.06	42,700	1.19
	27.0	20,700	0.52	25,800	0.66	30,300	0.79	33,600	0.89	37,000	1.01	39,200	1.08	42,700	1.21
	32.0	20,700	0.54	25,800	0.68	30,300	0.82	33,600	0.92	37,000	1.04	39,200	1.13	42,700	1.27
	37.0	20,700	0.55	25,800	0.71	30,300	0.85	33,600	0.96	37,000	1.10	39,200	1.18	42,700	1.34
	41.0	20,700	0.57	25,800	0.73	30,300	0.88	33,600	0.99	37,000	1.13	39,200	1.22	42,700	1.38
	46.0	20,700	0.60	25,800	0.77	30,300	0.92	33,600	1.05	37,000	1.20	39,200	1.29	42,700	1.46
	50.0	20,700	0.62	25,800	0.80	30,300	0.96	33,600	1.09	37,000	1.24	39,200	1.35	42,700	1.53
	54.0	20,700	0.64	25,800	0.83	30,300	1.00	33,600	1.13	37,000	1.30	39,200	1.41	42,700	1.60
	57.0	20,700	0.66	25,800	0.86	30,300	1.04	33,600	1.18	37,000	1.36	39,200	1.48	42,700	1.68
	61.0	20,700	0.69	25,800	0.90	30,300	1.09	33,600	1.24	37,000	1.43	39,200	1.55	42,700	1.77
	64.0	20,700	0.72	25,800	0.94	30,300	1.15	33,600	1.31	37,000	1.51	39,200	1.64	42,700	1.88
	68.0	20,700	0.76	25,800	0.99	30,300	1.21	33,600	1.38	37,000	1.60	39,200	1.74	42,700	1.99
	70.0	20,700	0.78	25,800	1.02	30,300	1.24	33,600	1.42	37,000	1.65	39,200	1.80	42,700	2.06
	73.0	20,700	0.82	25,800	1.08	30,300	1.32	33,600	1.51	37,000	1.75	39,200	1.91	42,700	2.20
	77.0	20,700	0.87	25,800	1.15	30,300	1.41	33,600	1.61	37,000	1.87	39,200	2.05	42,700	2.35
	81.0	20,700	0.93	25,800	1.22	30,300	1.50	33,600	1.73	37,000	2.00	39,200	2.19	42,700	2.52
	84.0	20,700	0.99	25,800	1.31	30,300	1.61	33,600	1.85	37,000	2.15	39,200	2.36	42,700	2.71
	88.0	20,700	1.06	25,800	1.40	30,300	1.73	33,600	1.99	37,000	2.32	39,200	2.54	42,700	2.92
	91.0	20,700	1.14	25,800	1.51	30,300	1.86	33,600	2.14	37,000	2.49	39,200	2.73	42,700	3.15
	95.0	20,700	1.22	25,800	1.62	30,300	2.00	33,600	2.31	37,000	2.69	39,200	2.95	42,700	3.40
	99.0	20,700	1.31	25,800	1.75	30,300	2.16	33,600	2.49	37,000	2.90	39,200	3.19	42,700	3.67
60	102.0	20,700	1.42	25,800	1.89	30,300	2.33	33,600	2.69	37,000	3.14	39,200	3.44	42,700	3.97
	108.0	20,700	1.59	25,800	2.12	30,300	2.62	33,600	3.02	37,000	3.52	39,200	3.86	42,700	4.45
	111.0	20,700	1.72	25,800	2.29	30,300	2.82	33,600	3.26	37,000	3.80	39,200	4.17	42,400	4.57
	115.0	20,700	1.86	25,800	2.47	30,300	3.05	33,600	3.52	37,000	4.10	39,200	4.50	39,500	4.45
	118.0	20,700	2.00	25,800	2.66	30,300	3.29	33,500	3.74	36,500	4.26	36,600	4.38	36,600	4.33
	23.0	17,700	0.42	22,200	0.54	26,000	0.65	28,800	0.74	31,700	0.83	33,600	0.90	36,600	1.02
	27.0	17,700	0.43	22,200	0.55	26,000	0.66	28,800	0.75	31,700	0.85	33,600	0.93	36,600	1.04
	32.0	17,700	0.45	22,200	0.57	26,000	0.69	28,800	0.78	31,700	0.88	33,600	0.96	36,600	1.08
	37.0	17,700	0.46	22,200	0.59	26,000	0.71	28,800	0.81	31,700	0.92	33,600	1.00	36,600	1.13
	41.0	17,700	0.48	22,200	0.61	26,000	0.74	28,800	0.84	31,700	0.95	33,600	1.04	36,600	1.17
	46.0	17,700	0.50	22,200	0.64	26,000	0.77	28,800	0.88	31,700	1.00	33,600	1.09	36,600	1.23
	50.0	17,700	0.52	22,200	0.66	26,000	0.80	28,800	0.91	31,700	1.04	33,600	1.13	36,600	1.28
	54.0	17,700	0.53	22,200	0.69	26,000	0.83	28,800	0.95	31,700	1.08	33,600	1.18	36,600	1.34
	57.0	17,700	0.55	22,200	0.71	26,000	0.87	28,800	0.99	31,700	1.13	33,600	1.23	36,600	1.40
	61.0	17,700	0.58	22,200	0.75	26,000	0.90	28,800	1.04	31,700	1.19	33,600	1.30	36,600	1.47
	64.0	17,700	0.60	22,200	0.78	26,000	0.95	28,800	1.09	31,700	1.25	33,600	1.37	36,600	1.55
	68.0	17,700	0.63	22,200	0.82	26,000	1.00	28,800	1.15	31,700	1.32	33,600	1.44	36,600	1.65
	70.0	17,700	0.65	22,200	0.84	26,000	1.03	28,800	1.18	31,700	1.36	33,600	1.49	36,600	1.70
	73.0	17,700	0.68	22,200	0.89	26,000	1.09	28,800	1.25	31,700	1.44	33,600	1.58	36,600	1.81
	77.0	17,700	0.72	22,200	0.94	26,000	1.15	28,800	1.33	31,700	1.54	33,600	1.68	36,600	1.93
	81.0	17,700	0.76	22,200	1.00	26,000	1.23	28,800	1.42	31,700	1.64	33,600	1.80	36,600	2.07
	84.0	17,700	0.81	22,200	1.07	26,000	1.31	28,800	1.52	31,700	1.76	33,600	1.93	36,600	2.22
	88.0	17,700	0.87	22,200	1.14	26,000	1.41	28,800	1.63	31,700	1.89	33,600	2.08	36,600	2.38
	91.0	17,700	0.93	22,200	1.23	26,000	1.51	28,800	1.75	31,700	2.03	33,600	2.24	36,600	2.57
	95.0	17,700	1.00	22,200	1.32	26,000	1.63	28,800	1.89	31,700	2.19	33,600	2.41	36,600	2.77
	99.0	17,700	1.08	22,200	1.42	26,000	1.76	28,800	2.04	31,700	2.36	33,600	2.60	36,600	2.99
	102.0	17,700	1.16	22,200	1.53	26,000	1.90	28,800	2.20	31,700	2.55	33,600	2.81	36,600	3.23
	108.0	17,700	1.30	22,200	1.72	26,000	2.13	28,800	2.47	31,700	2.86	33,600	3.15	36,600	3.63
	111.0	17,700	1.41	22,200	1.86	26,000	2.30	28,800	2.67	31,700	3.09	33,600	3.41	36,600	3.91
	115.0	17,700	1.52	22,200	2.01	26,000	2.48	28,800	2.88	31,700	3.34	33,600	3.68	36,600	4.22
	118.0	17,700	1.64	22,200	2.17	26,000	2.68	28,800	3.11	31,700	3.60	33,600	3.90	36,200	4.47

Capacity Table

Outdoor Unit

VRD048S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
50	23.0	14,800	0.34	18,500	0.44	21,700	0.53	24,000	0.61	26,500	0.69	28,000	0.75	30,500	0.84
	27.0	14,800	0.35	18,500	0.45	21,700	0.55	24,000	0.62	26,500	0.71	28,000	0.77	30,500	0.86
	32.0	14,800	0.36	18,500	0.47	21,700	0.57	24,000	0.64	26,500	0.73	28,000	0.79	30,500	0.89
	37.0	14,800	0.38	18,500	0.49	21,700	0.59	24,000	0.66	26,500	0.76	28,000	0.82	30,500	0.93
	41.0	14,800	0.38	18,500	0.50	21,700	0.60	24,000	0.69	26,500	0.78	28,000	0.85	30,500	0.96
	46.0	14,800	0.40	18,500	0.52	21,700	0.63	24,000	0.72	26,500	0.82	28,000	0.89	30,500	1.01
	50.0	14,800	0.41	18,500	0.54	21,700	0.65	24,000	0.75	26,500	0.85	28,000	0.93	30,500	1.05
	54.0	14,800	0.43	18,500	0.56	21,700	0.68	24,000	0.77	26,500	0.89	28,000	0.96	30,500	1.09
	57.0	14,800	0.44	18,500	0.58	21,700	0.71	24,000	0.80	26,500	0.92	28,000	1.00	30,500	1.14
	61.0	14,800	0.46	18,500	0.60	21,700	0.74	24,000	0.84	26,500	0.96	28,000	1.05	30,500	1.20
	64.0	14,800	0.48	18,500	0.63	21,700	0.77	24,000	0.88	26,500	1.01	28,000	1.10	30,500	1.26
	68.0	14,800	0.50	18,500	0.66	21,700	0.81	24,000	0.92	26,500	1.06	28,000	1.16	30,500	1.33
	70.0	14,800	0.52	18,500	0.68	21,700	0.83	24,000	0.95	26,500	1.09	28,000	1.20	30,500	1.37
	73.0	14,800	0.54	18,500	0.71	21,700	0.87	24,000	1.00	26,500	1.16	28,000	1.27	30,500	1.45
	77.0	14,800	0.57	18,500	0.75	21,700	0.93	24,000	1.07	26,500	1.23	28,000	1.35	30,500	1.54
	81.0	14,800	0.61	18,500	0.80	21,700	0.99	24,000	1.13	26,500	1.31	28,000	1.44	30,500	1.65
	84.0	14,800	0.65	18,500	0.85	21,700	1.05	24,000	1.21	26,500	1.40	28,000	1.54	30,500	1.77
	88.0	14,800	0.69	18,500	0.91	21,700	1.13	24,000	1.30	26,500	1.50	28,000	1.65	30,500	1.90
	91.0	14,800	0.74	18,500	0.98	21,700	1.21	24,000	1.39	26,500	1.62	28,000	1.77	30,500	2.04
	95.0	14,800	0.79	18,500	1.05	21,700	1.30	24,000	1.50	26,500	1.74	28,000	1.91	30,500	2.20
	99.0	14,800	0.85	18,500	1.13	21,700	1.40	24,000	1.62	26,500	1.88	28,000	2.06	30,500	2.37
	102.0	14,800	0.92	18,500	1.22	21,700	1.51	24,000	1.74	26,500	2.03	28,000	2.22	30,500	2.56
	108.0	14,800	1.03	18,500	1.37	21,700	1.70	24,000	1.96	26,500	2.27	28,000	2.50	30,500	2.88
	111.0	14,800	1.11	18,500	1.48	21,700	1.83	24,000	2.11	26,500	2.46	28,000	2.70	30,500	3.11
	115.0	14,800	1.20	18,500	1.59	21,700	1.98	24,000	2.28	26,500	2.65	28,000	2.91	30,500	3.35
	118.0	14,800	1.29	18,500	1.72	21,700	2.14	24,000	2.47	26,500	2.86	28,000	3.14	30,500	3.62

NOTE

- The performance table shows the average value of each conditions.

Capacity Table

Outdoor Unit

VRD048S6M-5P

Heating

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature		Indoor Temperature (°F, DB)									
			61.0		65.0		70.0		72.0		75.0	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
130	-21.8	-22.0	37,400	3.14	36,300	3.40	35,000	3.70	34,300	3.91	33,400	4.13
	-17.8	-18.0	41,300	3.40	40,200	3.65	38,800	3.96	38,200	4.17	37,300	4.39
	-12.6	-13.0	47,100	3.78	46,000	4.04	44,700	4.34	44,100	4.56	43,100	4.77
	-7.1	-7.6	53,000	4.17	51,900	4.43	50,500	4.73	49,400	4.94	46,200	4.99
	-4.0	-4.4	56,900	4.43	55,800	4.69	53,500	4.99	51,300	5.03	48,100	5.07
	1.0	0	62,700	4.82	60,800	5.07	56,400	5.12	54,300	5.16	51,000	5.20
	5.0	3.0	66,500	5.07	62,700	5.16	58,400	5.20	56,200	5.25	53,000	5.29
	10.0	9.0	69,400	5.20	65,600	5.29	61,300	5.33	59,100	5.37	55,900	5.42
	14.0	12.0	71,300	5.29	67,600	5.37	63,200	5.42	60,900	5.46	56,900	5.46
	19.0	18.0	74,200	5.42	69,800	5.46	64,300	5.46	61,700	5.46	57,800	5.46
	23.0	21.0	74,700	5.46	70,300	5.46	64,800	5.46	62,300	5.46	58,300	5.46
	27.0	25.0	75,200	5.46	70,900	5.46	65,300	5.46	62,800	5.46	58,800	5.46
	32.0	30.0	76,000	5.46	71,700	5.46	66,200	5.46	63,600	5.46	59,600	5.46
	37.0	36.0	76,800	5.46	72,500	5.46	67,000	5.46	64,400	5.46	60,500	5.46
	44.0	40.0	77,600	5.46	73,300	5.46	67,800	5.46	65,200	5.46	61,300	5.46
	47.0	43.0	77,900	5.46	73,600	5.46	68,000	5.46	65,500	5.46	61,500	5.46
	51.0	47.0	79,000	5.46	74,700	5.46	69,100	5.46	66,600	5.46	62,300	5.26
	54.0	50.0	79,300	5.46	74,900	5.46	69,400	5.46	66,800	5.46	62,300	5.11
	57.0	53.0	79,800	5.46	75,500	5.46	69,900	5.46	67,100	5.30	62,300	4.84
	60.0	56.0	80,300	5.46	76,000	5.46	70,200	5.31	67,100	5.03	62,300	4.61
120	-21.8	-22.0	36,100	3.40	35,100	3.70	33,900	4.00	33,300	4.13	32,400	4.34
	-17.8	-18.0	40,000	3.65	39,000	3.96	37,800	4.26	37,200	4.39	36,300	4.60
	-12.6	-13.0	45,900	4.04	44,900	4.34	43,600	4.64	43,000	4.77	40,500	4.90
	-7.1	-7.6	51,700	4.43	50,700	4.73	48,400	4.94	46,400	4.99	43,500	5.03
	-4.0	-4.4	55,600	4.69	54,300	4.99	50,300	5.03	48,300	5.07	45,400	5.12
	1.0	0	60,600	5.07	57,200	5.12	53,200	5.16	51,300	5.20	48,300	5.25
	5.0	3.0	62,500	5.16	59,100	5.20	55,200	5.25	53,200	5.29	50,300	5.33
	10.0	9.0	65,400	5.29	62,000	5.33	58,100	5.37	56,100	5.42	53,000	5.46
	14.0	12.0	67,400	5.37	64,000	5.42	59,400	5.46	57,100	5.46	53,500	5.46
	19.0	18.0	69,400	5.46	65,200	5.46	60,200	5.46	57,900	5.46	54,300	5.46
	23.0	21.0	69,900	5.46	65,800	5.46	60,800	5.46	58,400	5.46	54,800	5.46
	27.0	25.0	70,500	5.46	66,300	5.46	61,300	5.46	59,000	5.46	55,400	5.46
	32.0	30.0	71,300	5.46	67,100	5.46	62,100	5.46	59,800	5.46	56,200	5.46
	37.0	36.0	72,100	5.46	67,900	5.46	62,900	5.46	60,600	5.46	57,000	5.46
	44.0	40.0	72,900	5.46	68,700	5.46	63,700	5.46	61,400	5.46	57,500	5.24
	47.0	43.0	73,200	5.46	69,000	5.46	64,000	5.46	61,700	5.46	57,500	5.07
	51.0	47.0	74,300	5.46	70,100	5.46	64,800	5.24	62,000	4.95	57,500	4.50
	54.0	50.0	74,500	5.46	70,300	5.46	64,800	5.09	62,000	4.81	57,500	4.38
	57.0	53.0	75,100	5.46	70,900	5.46	64,800	4.82	62,000	4.56	57,500	4.16
	60.0	56.0	75,600	5.46	71,200	5.17	64,800	4.57	62,000	4.33	57,500	3.97
110	-21.8	-22.0	34,900	3.70	34,000	3.91	32,800	4.21	32,300	4.34	31,100	4.56
	-17.8	-18.0	38,800	3.96	37,800	4.17	36,700	4.47	36,200	4.60	34,700	4.82
	-12.6	-13.0	44,600	4.34	43,700	4.56	42,300	4.86	40,200	4.90	37,600	4.94
	-7.1	-7.6	50,400	4.73	49,000	4.94	45,200	4.99	43,100	5.03	40,500	5.07
	-4.0	-4.4	53,700	4.99	50,900	5.03	47,100	5.07	45,100	5.12	42,400	5.16
	1.0	0	56,700	5.12	53,800	5.16	50,100	5.20	48,000	5.25	45,300	5.29
	5.0	3.0	58,600	5.20	55,800	5.25	52,000	5.29	49,900	5.33	47,300	5.37
	10.0	9.0	61,500	5.33	58,700	5.37	54,900	5.42	52,500	5.46	49,200	5.46
	14.0	12.0	63,500	5.42	60,100	5.46	55,400	5.46	53,000	5.46	49,800	5.46
	19.0	18.0	64,400	5.46	60,900	5.46	56,200	5.46	53,800	5.46	50,600	5.46
	23.0	21.0	64,900	5.46	61,400	5.46	56,700	5.46	54,400	5.46	51,100	5.46
	27.0	25.0	65,500	5.46	62,000	5.46	57,200	5.46	54,900	5.46	51,700	5.46
	32.0	30.0	66,300	5.46	62,800	5.46	58,100	5.46	55,700	5.46	52,500	5.46
	37.0	36.0	67,100	5.46	63,600	5.46	58,900	5.46	56,500	5.46	52,800	4.93
	44.0	40.0	67,900	5.46	64,400	5.46	59,400	5.24	56,800	4.93	52,800	4.46
	47.0	43.0	68,200	5.46	64,700	5.46	59,400	5.07	56,800	4.77	52,800	4.32
	51.0	47.0	69,300	5.46	65,200	5.12	59,400	4.49	56,800	4.24	52,800	3.85
	54.0	50.0	69,500	5.46	65,200	4.97	59,400	4.37	56,800	4.12	52,800	3.75
	57.0	53.0	69,800	5.17	65,200	4.70	59,400	4.14	56,800	3.92	52,800	3.57
	60.0	56.0	69,800	4.90	65,200	4.47	59,400	3.94	56,800	3.74	52,800	3.42

Capacity Table

Outdoor Unit

VRD048S6M-5P

Heating

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature		Indoor Temperature (°F, DB)									
			61.0		65.0		70.0		72.0		75.0	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
100	-21.8	-22.0	33,600	4.00	32,800	4.21	31,700	4.60	30,500	4.56	28,700	4.60
	-17.8	-18.0	37,500	4.26	36,700	4.47	35,600	4.82	34,300	4.82	31,900	4.86
	-12.6	-13.0	43,300	4.64	42,500	4.86	38,600	4.94	37,200	4.94	34,900	4.99
	-7.1	-7.6	47,900	4.94	45,400	4.99	41,500	5.07	40,100	5.07	37,800	5.12
	-4.0	-4.4	49,800	5.03	47,300	5.07	43,400	5.16	42,100	5.16	39,700	5.20
	1.0	0	52,700	5.16	50,200	5.20	46,300	5.29	45,000	5.29	42,600	5.33
	5.0	3.0	54,700	5.25	52,200	5.29	48,300	5.37	46,900	5.37	44,600	5.42
	10.0	9.0	57,600	5.37	55,100	5.42	50,500	5.46	48,700	5.46	45,800	5.46
	14.0	12.0	58,600	5.46	55,500	5.46	52,000	5.46	49,200	5.46	46,300	5.46
	19.0	18.0	59,400	5.46	56,300	5.46	54,000	5.46	50,000	5.46	47,100	5.46
	23.0	21.0	59,900	5.46	56,900	5.46	54,000	5.46	50,500	5.46	47,700	5.46
	27.0	25.0	60,500	5.46	57,400	5.46	54,000	5.46	51,100	5.46	48,000	5.16
	32.0	30.0	61,300	5.46	58,200	5.46	54,000	5.46	51,600	5.12	48,000	4.62
	37.0	36.0	62,100	5.46	59,000	5.46	54,000	4.91	51,600	4.61	48,000	4.16
	44.0	40.0	62,900	5.46	59,300	5.10	54,000	4.44	51,600	4.17	48,000	3.77
	47.0	43.0	63,200	5.46	59,300	4.93	54,000	4.30	51,600	4.04	48,000	3.66
	51.0	47.0	63,500	4.82	59,300	4.37	54,000	3.83	51,600	3.61	48,000	3.28
	54.0	50.0	63,500	4.68	59,300	4.25	54,000	3.73	51,600	3.52	48,000	3.20
	57.0	53.0	63,500	4.43	59,300	4.03	54,000	3.55	51,600	3.35	48,000	3.05
	60.0	56.0	63,500	4.21	59,300	3.84	54,000	3.39	51,600	3.21	48,000	2.92
90	-21.8	-22.0	32,300	4.34	31,400	4.47	29,000	4.60	27,900	4.60	26,300	4.73
	-17.8	-18.0	36,200	4.60	35,300	4.73	32,500	4.86	31,000	4.86	29,000	4.90
	-12.6	-13.0	40,700	4.90	38,300	4.94	35,400	4.99	33,900	4.99	31,900	5.03
	-7.1	-7.6	43,700	5.03	41,200	5.07	38,300	5.12	36,900	5.12	34,800	5.16
	-4.0	-4.4	45,600	5.12	43,200	5.16	40,200	5.20	38,800	5.20	36,700	5.25
	1.0	0	48,500	5.25	46,100	5.29	43,100	5.33	41,700	5.33	39,700	5.37
	5.0	3.0	50,500	5.33	48,000	5.37	45,100	5.42	43,700	5.42	41,300	5.46
	10.0	9.0	53,100	5.46	50,100	5.46	46,400	5.46	44,600	5.46	42,100	5.46
	14.0	12.0	53,600	5.46	50,700	5.46	47,000	5.46	45,100	5.46	42,600	5.46
	19.0	18.0	54,400	5.46	51,500	5.46	47,800	5.46	45,900	5.46	43,200	5.15
	23.0	21.0	55,000	5.46	52,000	5.46	48,300	5.46	46,500	5.31	43,200	4.77
	27.0	25.0	55,500	5.46	52,600	5.46	48,600	5.25	46,500	4.92	43,200	4.42
	32.0	30.0	56,300	5.46	53,400	5.42	48,600	4.70	46,500	4.41	43,200	3.97
	37.0	36.0	57,100	5.42	53,400	4.87	48,600	4.23	46,500	3.97	43,200	3.59
	44.0	40.0	57,100	4.89	53,400	4.40	48,600	3.84	46,500	3.61	43,200	3.26
	47.0	43.0	57,100	4.73	53,400	4.26	48,600	3.72	46,500	3.50	43,200	3.17
	51.0	47.0	57,100	4.20	53,400	3.80	48,600	3.33	46,500	3.14	43,200	2.86
	54.0	50.0	57,100	4.09	53,400	3.70	48,600	3.25	46,500	3.06	43,200	2.79
	57.0	53.0	57,100	3.88	53,400	3.52	48,600	3.10	46,500	2.93	43,200	2.67
	60.0	56.0	57,100	3.70	53,400	3.36	48,600	2.97	46,500	2.81	43,200	2.57
80	-21.8	-22.0	30,100	4.56	28,400	4.60	26,300	4.73	25,400	4.73	23,900	4.77
	-17.8	-18.0	33,600	4.82	31,500	4.86	29,000	4.90	27,800	4.90	26,000	4.94
	-12.6	-13.0	36,500	4.94	34,400	4.99	31,900	5.03	30,700	5.03	28,900	5.07
	-7.1	-7.6	39,500	5.07	37,400	5.12	34,800	5.16	33,600	5.16	31,800	5.20
	-4.0	-4.4	41,400	5.16	39,300	5.20	36,800	5.25	35,500	5.25	33,800	5.29
	1.0	0	44,300	5.29	42,200	5.33	39,700	5.37	38,500	5.37	36,700	5.42
	5.0	3.0	46,300	5.37	44,200	5.42	41,300	5.46	39,700	5.46	37,600	5.46
	10.0	9.0	47,800	5.46	45,300	5.46	42,100	5.46	40,500	5.46	38,400	5.30
	14.0	12.0	48,300	5.46	45,800	5.46	42,700	5.46	41,000	5.46	38,400	4.89
	19.0	18.0	49,100	5.46	46,600	5.46	43,200	5.18	41,300	4.85	38,400	4.35
	23.0	21.0	49,700	5.46	47,200	5.46	43,200	4.80	41,300	4.49	38,400	4.03
	27.0	25.0	50,200	5.46	47,400	5.14	43,200	4.45	41,300	4.17	38,400	3.74
	32.0	30.0	50,800	5.13	47,400	4.60	43,200	3.99	41,300	3.75	38,400	3.37
	37.0	36.0	50,800	4.61	47,400	4.15	43,200	3.61	41,300	3.39	38,400	3.05
	44.0	40.0	50,800	4.18	47,400	3.76	43,200	3.29	41,300	3.09	38,400	2.79
	47.0	43.0	50,800	4.05	47,400	3.65	43,200	3.19	41,300	3.00	38,400	2.71
	51.0	47.0	50,800	3.62	47,400	3.27	43,200	2.87	41,300	2.71	38,400	2.45
	54.0	50.0	50,800	3.53	47,400	3.19	43,200	2.81	41,300	2.65	38,400	2.40
	57.0	53.0	50,800	3.36	47,400	3.05	43,200	2.69	41,300	2.53	38,400	2.30
	60.0	56.0	50,800	3.22	47,400	2.92	43,200	2.58	41,300	2.44	38,400	2.22

Capacity Table

Outdoor Unit

VRD048S6M-5P

Heating

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature		Indoor Temperature (°F, DB)									
			61.0		65.0		70.0		72.0		75.0	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
70	-21.8	-22.0	26,900	4.73	25,500	4.73	23,600	4.77	22,800	4.77	21,300	4.84
	-17.8	-18.0	29,400	4.90	27,900	4.90	25,800	4.94	24,800	4.94	23,300	4.92
	-12.6	-13.0	32,300	5.03	30,800	5.03	28,700	5.07	27,700	5.07	26,200	5.05
	-7.1	-7.6	35,300	5.16	33,800	5.16	31,600	5.20	30,600	5.20	29,100	5.18
	-4.0	-4.4	37,200	5.25	35,700	5.25	33,600	5.29	32,500	5.29	31,100	5.27
	1.0	0	40,100	5.37	38,600	5.37	36,500	5.42	35,500	5.42	33,600	5.40
	5.0	3.0	42,000	5.46	39,900	5.46	37,300	5.46	35,900	5.46	33,600	4.97
	10.0	9.0	42,800	5.46	40,700	5.46	37,800	5.24	36,100	4.91	33,600	4.41
	14.0	12.0	43,300	5.46	41,200	5.46	37,800	4.84	36,100	4.53	33,600	4.07
	19.0	18.0	44,200	5.46	41,500	4.98	37,800	4.31	36,100	4.03	33,600	3.63
	23.0	21.0	44,400	5.15	41,500	4.61	37,800	3.99	36,100	3.74	33,600	3.37
	27.0	25.0	44,400	4.77	41,500	4.28	37,800	3.71	36,100	3.48	33,600	3.13
	32.0	30.0	44,400	4.28	41,500	3.85	37,800	3.34	36,100	3.13	33,600	2.83
	37.0	36.0	44,400	3.86	41,500	3.48	37,800	3.03	36,100	2.84	33,600	2.57
	44.0	40.0	44,400	3.51	41,500	3.17	37,800	2.77	36,100	2.60	33,600	2.35
	47.0	43.0	44,400	3.41	41,500	3.08	37,800	2.69	36,100	2.53	33,600	2.29
	51.0	47.0	44,400	3.07	41,500	2.78	37,800	2.44	36,100	2.30	33,600	2.08
	54.0	50.0	44,400	3.00	41,500	2.72	37,800	2.38	36,100	2.25	33,600	2.04
	57.0	53.0	44,400	2.86	41,500	2.60	37,800	2.29	36,100	2.16	33,600	1.96
	60.0	56.0	44,400	2.75	41,500	2.50	37,800	2.21	36,100	2.08	33,600	1.89
60	-21.8	-22.0	23,500	4.86	22,400	4.86	20,400	4.64	19,300	4.31	17,500	4.05
	-17.8	-18.0	25,500	4.94	24,300	4.94	22,400	4.73	21,200	4.40	19,500	4.14
	-12.6	-13.0	28,400	5.07	27,200	5.07	25,300	4.86	24,100	4.52	22,400	4.27
	-7.1	-7.6	31,300	5.20	30,200	5.20	28,200	4.99	27,100	4.65	25,300	4.40
	-4.0	-4.4	33,300	5.29	32,100	5.29	30,100	5.07	29,000	4.74	27,300	4.48
	1.0	0	36,200	5.42	35,000	5.42	32,400	5.20	31,000	4.87	28,800	4.39
	5.0	3.0	37,000	5.46	35,300	5.46	32,400	4.79	31,000	4.49	28,800	4.04
	10.0	9.0	37,800	5.46	35,600	4.93	32,400	4.25	31,000	3.98	28,800	3.59
	14.0	12.0	38,100	5.10	35,600	4.56	32,400	3.93	31,000	3.68	28,800	3.32
	19.0	18.0	38,100	4.54	35,600	4.06	32,400	3.50	31,000	3.28	28,800	2.96
	23.0	21.0	38,100	4.21	35,600	3.76	32,400	3.25	31,000	3.05	28,800	2.75
	27.0	25.0	38,100	3.91	35,600	3.50	32,400	3.03	31,000	2.84	28,800	2.57
	32.0	30.0	38,100	3.52	35,600	3.15	32,400	2.73	31,000	2.57	28,800	2.32
	37.0	36.0	38,100	3.19	35,600	2.86	32,400	2.49	31,000	2.34	28,800	2.12
	44.0	40.0	38,100	2.91	35,600	2.62	32,400	2.28	31,000	2.15	28,800	1.95
	47.0	43.0	38,100	2.83	35,600	2.55	32,400	2.22	31,000	2.09	28,800	1.90
	51.0	47.0	38,100	2.56	35,600	2.32	32,400	2.02	31,000	1.91	28,800	1.74
	54.0	50.0	38,100	2.51	35,600	2.27	32,400	1.98	31,000	1.87	28,800	1.71
	57.0	53.0	38,100	2.40	35,600	2.18	32,400	1.91	31,000	1.80	28,800	1.64
	60.0	56.0	38,100	2.32	35,600	2.10	32,400	1.84	31,000	1.74	28,800	1.59
50	-21.8	-22.0	19,900	4.77	18,200	4.43	16,100	3.76	15,200	3.71	13,800	3.28
	-17.8	-18.0	21,800	4.85	20,200	4.51	18,100	3.85	17,100	3.79	15,700	3.37
	-12.6	-13.0	24,700	4.98	23,100	4.64	21,000	3.98	20,100	3.92	18,600	3.50
	-7.1	-7.6	27,700	5.11	26,000	4.77	23,900	4.10	23,000	4.05	21,500	3.63
	-4.0	-4.4	29,600	5.20	28,000	4.86	25,900	4.19	24,900	4.14	23,500	3.71
	1.0	0	31,700	5.33	29,700	4.75	27,000	4.11	25,800	3.85	24,000	3.46
	5.0	3.0	31,700	4.91	29,700	4.37	27,000	3.79	25,800	3.55	24,000	3.20
	10.0	9.0	31,700	4.35	29,700	3.88	27,000	3.36	25,800	3.15	24,000	2.84
	14.0	12.0	31,700	4.02	29,700	3.59	27,000	3.11	25,800	2.92	24,000	2.63
	19.0	18.0	31,700	3.59	29,700	3.20	27,000	2.78	25,800	2.61	24,000	2.35
	23.0	21.0	31,700	3.33	29,700	2.98	27,000	2.58	25,800	2.43	24,000	2.19
	27.0	25.0	31,700	3.10	29,700	2.77	27,000	2.41	25,800	2.27	24,000	2.04
	32.0	30.0	31,700	2.80	29,700	2.51	27,000	2.18	25,800	2.05	24,000	1.86
	37.0	36.0	31,700	2.55	29,700	2.29	27,000	1.99	25,800	1.88	24,000	1.70
	44.0	40.0	31,700	2.34	29,700	2.10	27,000	1.84	25,800	1.73	24,000	1.57
	47.0	43.0	31,700	2.28	29,700	2.05	27,000	1.79	25,800	1.69	24,000	1.53
	51.0	47.0	31,700	2.08	29,700	1.87	27,000	1.64	25,800	1.55	24,000	1.41
	54.0	50.0	31,700	2.04	29,700	1.84	27,000	1.61	25,800	1.52	24,000	1.38
	57.0	53.0	31,700	1.96	29,700	1.77	27,000	1.55	25,800	1.47	24,000	1.34
	60.0	56.0	31,700	1.90	29,700	1.71	27,000	1.50	25,800	1.43	24,000	1.30

NOTE

- The performance table shows the average value of each conditions.

Capacity Table

Outdoor Unit

VRD060S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
130	23.0	48,000	1.60	60,000	1.95	70,400	2.28	78,000	2.52	86,000	2.81	91,100	3.00	99,100	3.33
	27.0	48,000	1.63	60,000	2.02	70,400	2.35	78,000	2.60	86,000	2.91	91,100	3.12	99,100	3.47
	32.0	48,000	1.70	60,000	2.12	70,400	2.48	78,000	2.75	86,000	3.09	91,100	3.32	99,100	3.71
	37.0	48,000	1.79	60,000	2.23	70,400	2.63	78,000	2.93	86,000	3.30	91,100	3.57	99,100	4.01
	41.0	48,000	1.85	60,000	2.32	70,400	2.74	78,000	3.07	86,000	3.47	91,100	3.76	99,100	4.24
	46.0	48,000	1.96	60,000	2.47	70,400	2.94	78,000	3.31	86,000	3.77	91,100	4.09	99,100	4.64
	50.0	48,000	2.04	60,000	2.59	70,400	3.10	78,000	3.50	86,000	4.00	91,100	4.35	99,100	4.95
	54.0	48,000	2.14	60,000	2.72	70,400	3.27	78,000	3.71	86,000	4.26	91,100	4.64	99,100	5.30
	57.0	48,000	2.24	60,000	2.88	70,400	3.47	78,000	3.95	86,000	4.54	91,100	4.96	99,100	5.68
	61.0	48,000	2.36	60,000	3.05	70,400	3.70	78,000	4.22	86,000	4.87	91,100	5.32	99,100	6.11
	64.0	48,000	2.50	60,000	3.24	70,400	3.95	78,000	4.52	86,000	5.22	91,100	5.72	98,800	6.25
	68.0	48,000	2.66	60,000	3.46	70,400	4.23	78,000	4.85	86,000	5.62	91,100	6.16	95,200	6.08
	70.0	48,000	2.74	60,000	3.58	70,400	4.38	78,000	5.03	86,000	5.83	91,100	6.40	93,400	5.99
	73.0	48,000	2.92	60,000	3.83	70,400	4.71	78,000	5.42	86,000	6.28	89,800	6.56	89,800	5.81
	77.0	48,000	3.13	60,000	4.12	70,400	5.07	78,000	5.84	86,000	6.78	86,200	6.38	86,200	5.64
	81.0	48,000	3.36	60,000	4.43	70,400	5.46	78,000	6.30	82,600	6.60	82,600	6.21	82,600	5.47
	84.0	48,000	3.61	60,000	4.77	70,400	5.89	78,000	6.80	79,000	6.43	79,000	6.03	79,000	5.29
	88.0	48,000	3.88	60,000	5.15	70,400	6.36	75,400	6.63	75,400	6.26	75,400	5.86	75,400	5.12
	91.0	48,000	4.19	60,000	5.56	70,400	6.87	71,800	6.46	71,800	6.08	71,800	5.69	71,800	4.94
	95.0	48,000	4.52	60,000	6.00	68,200	6.70	68,200	6.28	68,200	5.91	68,200	5.51	68,200	4.77
120	99.0	48,000	4.88	60,000	6.48	64,600	6.52	64,600	6.11	64,600	5.73	64,600	5.34	64,600	4.60
	102.0	48,000	5.27	60,000	7.00	61,000	6.35	61,000	5.93	61,000	5.56	61,000	5.16	61,000	4.42
	108.0	48,000	5.92	55,600	6.74	55,600	6.09	55,600	5.67	55,600	5.30	55,600	4.90	55,600	4.16
	111.0	48,000	6.39	52,000	6.56	52,000	5.91	52,000	5.50	52,000	5.12	52,000	4.73	52,000	3.99
	115.0	48,000	6.89	48,400	6.39	48,400	5.74	48,400	5.32	48,400	4.95	48,400	4.55	48,400	3.81
	118.0	44,800	6.71	44,800	6.21	44,800	5.57	44,800	5.15	44,800	4.78	44,800	4.38	44,800	3.64
	23.0	44,300	1.44	55,400	1.77	64,900	2.07	72,000	2.30	79,300	2.56	84,100	2.75	91,400	3.05
	27.0	44,300	1.48	55,400	1.82	64,900	2.14	72,000	2.37	79,300	2.65	84,100	2.84	91,400	3.17
	32.0	44,300	1.53	55,400	1.91	64,900	2.25	72,000	2.50	79,300	2.80	84,100	3.02	91,400	3.37
	37.0	44,300	1.61	55,400	2.01	64,900	2.37	72,000	2.66	79,300	2.99	84,100	3.22	91,400	3.62
	41.0	44,300	1.67	55,400	2.09	64,900	2.47	72,000	2.72	79,300	3.13	84,100	3.38	91,400	3.87
	46.0	44,300	1.76	55,400	2.22	64,900	2.64	72,000	2.98	79,300	3.38	84,100	3.67	91,400	4.16
	50.0	44,300	1.83	55,400	2.32	64,900	2.78	72,000	3.14	79,300	3.58	84,100	3.89	91,400	4.42
	54.0	44,300	1.91	55,400	2.44	64,900	2.93	72,000	3.32	79,300	3.80	84,100	4.14	91,400	4.72
	57.0	44,300	2.00	55,400	2.57	64,900	3.10	72,000	3.53	79,300	4.04	84,100	4.42	91,400	5.05
	61.0	44,300	2.11	55,400	2.71	64,900	3.29	72,000	3.76	79,300	4.32	84,100	4.73	91,400	5.41
	64.0	44,300	2.23	55,400	2.88	64,900	3.51	72,000	4.02	79,300	4.63	84,100	5.07	91,400	5.82
	68.0	44,300	2.36	55,400	3.07	64,900	3.75	72,000	4.31	79,300	4.97	84,100	5.45	91,400	6.26
	70.0	44,300	2.43	55,400	3.17	64,900	3.88	72,000	4.46	79,300	5.15	84,100	5.65	91,400	6.50
	73.0	44,300	2.59	55,400	3.39	64,900	4.17	72,000	4.80	79,300	5.55	84,100	6.09	89,800	6.66
120	77.0	44,300	2.77	55,400	3.64	64,900	4.48	72,000	5.17	79,300	5.98	84,100	6.57	86,200	6.49
	81.0	44,300	2.97	55,400	3.91	64,900	4.83	72,000	5.57	79,300	6.46	82,600	6.74	82,600	6.32
	84.0	44,300	3.19	55,400	4.21	64,900	5.20	72,000	6.01	79,000	6.62	79,000	6.57	79,000	6.14
	88.0	44,300	3.43	55,400	4.54	64,900	5.62	72,000	6.49	75,400	6.45	75,400	6.39	75,400	5.97
	91.0	44,300	3.70	55,400	4.90	64,900	6.06	71,800	6.66	71,800	6.27	71,800	6.22	71,800	5.79
	95.0	44,300	3.99	55,400	5.29	64,900	6.55	68,200	6.48	68,200	6.10	68,200	6.05	68,200	5.62
	99.0	44,300	4.31	55,400	5.71	64,600	6.72	64,600	6.31	64,600	5.92	64,600	5.87	64,600	5.45
	102.0	44,300	4.65	55,400	6.17	61,000	6.55	61,000	6.14	61,000	5.75	61,000	5.70	61,000	5.27
	108.0	44,300	5.22	55,400	6.92	55,600	6.29	55,600	5.87	55,600	5.49	55,600	5.44	55,600	5.01
	111.0	44,300	5.64	52,000	6.75	52,000	6.11	52,000	5.70	52,000	5.32	52,000	5.26	52,000	4.84
	115.0	44,300	6.08	48,400	6.57	48,400	5.94	48,400	5.53	48,400	5.14	48,400	5.09	48,400	4.66
	118.0	44,300	6.56	44,800	6.40	44,800	5.76	44,800	5.35	44,800	4.97	44,800	4.92	44,800	4.49

Capacity Table

Outdoor Unit

VRD060S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
110	23.0	40,600	1.30	50,800	1.61	59,500	1.88	66,000	2.09	72,700	2.34	77,100	2.50	83,800	2.78
	27.0	40,600	1.33	50,800	1.65	59,500	1.94	66,000	2.16	72,700	2.42	77,100	2.59	83,800	2.88
	32.0	40,600	1.38	50,800	1.73	59,500	2.03	66,000	2.27	72,700	2.55	77,100	2.74	83,800	3.06
	37.0	40,600	1.45	50,800	1.81	59,500	2.14	66,000	2.40	72,700	2.70	77,100	2.91	83,800	3.27
	41.0	40,600	1.49	50,800	1.88	59,500	2.23	66,000	2.50	72,700	2.82	77,100	3.05	83,800	3.43
	46.0	40,600	1.57	50,800	1.99	59,500	2.37	66,000	2.67	72,700	3.03	77,100	3.28	83,800	3.71
	50.0	40,600	1.64	50,800	2.08	59,500	2.48	66,000	2.81	72,700	3.20	77,100	3.47	83,800	3.94
	54.0	40,600	1.71	50,800	2.18	59,500	2.61	66,000	2.96	72,700	3.39	77,100	3.68	83,800	4.19
	57.0	40,600	1.79	50,800	2.29	59,500	2.76	66,000	3.14	72,700	3.60	77,100	3.91	83,800	4.47
	61.0	40,600	1.88	50,800	2.41	59,500	2.92	66,000	3.34	72,700	3.83	77,100	4.18	83,800	4.78
	64.0	40,600	1.98	50,800	2.56	59,500	3.11	66,000	3.56	72,700	4.10	77,100	4.47	83,800	5.13
	68.0	40,600	2.09	50,800	2.72	59,500	3.32	66,000	3.80	72,700	4.39	77,100	4.80	83,800	5.51
	70.0	40,600	2.16	50,800	2.81	59,500	3.43	66,000	3.94	72,700	4.55	77,100	4.98	83,800	5.72
	73.0	40,600	2.29	50,800	3.00	59,500	3.67	66,000	4.23	72,700	4.89	77,100	5.36	83,800	6.16
	77.0	40,600	2.45	50,800	3.21	59,500	3.95	66,000	4.55	72,700	5.27	77,100	5.77	83,800	6.65
	81.0	40,600	2.62	50,800	3.45	59,500	4.24	66,000	4.90	72,700	5.68	77,100	6.23	82,600	6.82
	84.0	40,600	2.81	50,800	3.71	59,500	4.57	66,000	5.28	72,700	6.13	77,100	6.72	79,000	6.65
	88.0	40,600	3.02	50,800	3.99	59,500	4.93	66,000	5.70	72,700	6.62	75,400	6.90	75,400	6.47
	91.0	40,600	3.26	50,800	4.31	59,500	5.32	66,000	6.16	71,800	6.79	71,800	6.73	71,800	6.30
	95.0	40,600	3.51	50,800	4.65	59,500	5.75	66,000	6.65	68,200	6.62	68,200	6.55	68,200	6.12
	99.0	40,600	3.79	50,800	5.02	59,500	6.21	64,600	6.82	64,600	6.44	64,600	6.38	64,600	5.95
100	102.0	40,600	4.09	50,800	5.42	59,500	6.71	61,000	6.65	61,000	6.27	61,000	6.20	61,000	5.78
	108.0	40,600	4.59	50,800	6.09	55,600	6.45	55,600	6.39	55,600	6.01	55,600	5.94	55,600	5.51
	111.0	40,600	4.96	50,800	6.57	52,000	6.27	52,000	6.21	52,000	5.83	52,000	5.77	52,000	5.34
	115.0	40,600	5.35	48,400	6.39	48,400	6.10	48,400	6.04	48,400	5.66	48,400	5.59	48,400	5.17
	118.0	40,600	5.77	44,800	6.22	44,800	5.92	44,800	5.87	44,800	5.49	44,800	5.42	44,800	4.99
	23.0	36,900	1.16	46,100	1.45	54,100	1.70	60,000	1.88	66,100	2.12	70,100	2.27	76,200	2.53
	27.0	36,900	1.19	46,100	1.48	54,100	1.74	60,000	1.94	66,100	2.18	70,100	2.35	76,200	2.62
	32.0	36,900	1.23	46,100	1.54	54,100	1.83	60,000	2.04	66,100	2.30	70,100	2.47	76,200	2.76
	37.0	36,900	1.28	46,100	1.62	54,100	1.92	60,000	2.15	66,100	2.43	70,100	2.62	76,200	2.94
	41.0	36,900	1.33	46,100	1.68	54,100	1.99	60,000	2.24	66,100	2.53	70,100	2.73	76,200	3.07
	46.0	36,900	1.40	46,100	1.77	54,100	2.12	60,000	2.38	66,100	2.71	70,100	2.93	76,200	3.31
	50.0	36,900	1.45	46,100	1.85	54,100	2.21	60,000	2.50	66,100	2.85	70,100	3.09	76,200	3.50
	54.0	36,900	1.51	46,100	1.93	54,100	2.32	60,000	2.63	66,100	3.00	70,100	3.26	76,200	3.71
	57.0	36,900	1.58	46,100	2.03	54,100	2.44	60,000	2.78	66,100	3.18	70,100	3.46	76,200	3.94
	61.0	36,900	1.65	46,100	2.13	54,100	2.58	60,000	2.94	66,100	3.38	70,100	3.69	76,200	4.21
	64.0	36,900	1.74	46,100	2.26	54,100	2.74	60,000	3.13	66,100	3.60	70,100	3.94	76,200	4.50
	68.0	36,900	1.84	46,100	2.39	54,100	2.92	60,000	3.34	66,100	3.86	70,100	4.22	76,200	4.83
	70.0	36,900	1.89	46,100	2.47	54,100	3.01	60,000	3.46	66,100	3.99	70,100	4.37	76,200	5.01
	73.0	36,900	2.01	46,100	2.63	54,100	3.22	60,000	3.70	66,100	4.28	70,100	4.69	76,200	5.39
	77.0	36,900	2.14	46,100	2.81	54,100	3.46	60,000	3.98	66,100	4.61	70,100	5.05	76,200	5.81
	81.0	36,900	2.29	46,100	3.02	54,100	3.71	60,000	4.28	66,100	4.96	70,100	5.45	76,200	6.26
	84.0	36,900	2.46	46,100	3.24	54,100	4.00	60,000	4.61	66,100	5.35	70,100	5.88	76,200	6.76
	88.0	36,900	2.64	46,100	3.49	54,100	4.31	60,000	4.97	66,100	5.78	70,100	6.34	75,400	6.94
	91.0	36,900	2.84	46,100	3.76	54,100	4.65	60,000	5.37	66,100	6.24	70,100	6.85	71,800	6.77
	95.0	36,900	3.06	46,100	4.06	54,100	5.02	60,000	5.80	66,100	6.74	68,200	6.68	68,200	6.59
	99.0	36,900	3.30	46,100	4.38	54,100	5.42	60,000	6.26	64,600	6.92	64,600	6.50	64,600	6.42
	102.0	36,900	3.57	46,100	4.74	54,100	5.86	60,000	6.76	61,000	6.74	61,000	6.33	61,000	6.25
	108.0	36,900	4.00	46,100	5.31	54,100	6.57	55,600	6.55	55,600	6.48	55,600	6.07	55,600	5.98
	111.0	36,900	4.32	46,100	5.74	52,000	6.39	52,000	6.38	52,000	6.31	52,000	5.89	52,000	5.81
	115.0	36,900	4.67	46,100	6.19	48,400	6.22	48,400	6.20	48,400	6.13	48,400	5.72	48,400	5.64
	118.0	36,900	5.03	44,800	6.34	44,800	6.05	44,800	6.03	44,800	5.96	44,800	5.55	44,800	5.46

Capacity Table

Outdoor Unit

VRD060S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
90	23.0	33,200	1.01	41,500	1.27	48,700	1.50	54,000	1.66	59,500	1.87	63,100	2.01	68,600	2.24
	27.0	33,200	1.03	41,500	1.30	48,700	1.53	54,000	1.71	59,500	1.93	63,100	2.07	68,600	2.31
	32.0	33,200	1.07	41,500	1.35	48,700	1.60	54,000	1.79	59,500	2.02	63,100	2.18	68,600	2.44
	37.0	33,200	1.11	41,500	1.41	48,700	1.68	54,000	1.88	59,500	2.13	63,100	2.30	68,600	2.58
	41.0	33,200	1.15	41,500	1.46	48,700	1.74	54,000	1.95	59,500	2.21	63,100	2.39	68,600	2.69
	46.0	33,200	1.21	41,500	1.54	48,700	1.84	54,000	2.07	59,500	2.36	63,100	2.55	68,600	2.88
	50.0	33,200	1.25	41,500	1.60	48,700	1.92	54,000	2.17	59,500	2.47	63,100	2.68	68,600	3.03
	54.0	33,200	1.30	41,500	1.67	48,700	2.01	54,000	2.27	59,500	2.60	63,100	2.82	68,600	3.20
	57.0	33,200	1.36	41,500	1.75	48,700	2.11	54,000	2.39	59,500	2.74	63,100	2.99	68,600	3.39
	61.0	33,200	1.42	41,500	1.84	48,700	2.22	54,000	2.53	59,500	2.91	63,100	3.17	68,600	3.61
	64.0	33,200	1.49	41,500	1.94	48,700	2.35	54,000	2.69	59,500	3.09	63,100	3.37	68,600	3.85
	68.0	33,200	1.58	41,500	2.05	48,700	2.50	54,000	2.86	59,500	3.30	63,100	3.61	68,600	4.13
	70.0	33,200	1.62	41,500	2.12	48,700	2.58	54,000	2.95	59,500	3.41	63,100	3.73	68,600	4.27
	73.0	33,200	1.72	41,500	2.25	48,700	2.75	54,000	3.16	59,500	3.66	63,100	4.00	68,600	4.59
	77.0	33,200	1.83	41,500	2.40	48,700	2.95	54,000	3.39	59,500	3.92	63,100	4.30	68,600	4.94
	81.0	33,200	1.95	41,500	2.57	48,700	3.16	54,000	3.64	59,500	4.22	63,100	4.63	68,600	5.32
	84.0	33,200	2.09	41,500	2.76	48,700	3.40	54,000	3.92	59,500	4.55	63,100	4.99	68,600	5.74
	88.0	33,200	2.24	41,500	2.97	48,700	3.66	54,000	4.22	59,500	4.91	63,100	5.39	68,600	6.20
	91.0	33,200	2.41	41,500	3.20	48,700	3.95	54,000	4.56	59,500	5.30	63,100	5.81	68,600	6.69
	95.0	33,200	2.60	41,500	3.45	48,700	4.26	54,000	4.92	59,500	5.72	63,100	6.28	68,200	6.87
	99.0	33,200	2.80	41,500	3.72	48,700	4.60	54,000	5.31	59,500	6.18	63,100	6.78	64,600	6.70
80	102.0	33,200	3.03	41,500	4.02	48,700	4.97	54,000	5.74	59,500	6.67	61,000	6.61	61,000	6.52
	108.0	33,200	3.40	41,500	4.52	48,700	5.58	54,000	6.44	55,600	6.41	55,600	6.35	55,600	6.26
	111.0	33,200	3.67	41,500	4.88	48,700	6.02	52,000	6.26	52,000	6.24	52,000	6.17	52,000	6.09
	115.0	33,200	3.96	41,500	5.26	48,400	6.16	48,400	6.09	48,400	6.06	48,400	6.00	48,400	5.91
	118.0	33,200	4.28	41,500	5.68	44,800	5.99	44,800	5.92	44,800	5.89	44,800	5.82	44,800	5.74
	23.0	29,500	0.87	36,900	1.10	43,300	1.31	48,000	1.46	52,900	1.64	56,100	1.76	61,000	1.96
	27.0	29,500	0.89	36,900	1.13	43,300	1.34	48,000	1.49	52,900	1.68	56,100	1.81	61,000	2.03
	32.0	29,500	0.92	36,900	1.16	43,300	1.39	48,000	1.56	52,900	1.76	56,100	1.90	61,000	2.13
	37.0	29,500	0.96	36,900	1.22	43,300	1.46	48,000	1.64	52,900	1.85	56,100	2.00	61,000	2.25
	41.0	29,500	0.99	36,900	1.26	43,300	1.51	48,000	1.69	52,900	1.92	56,100	2.08	61,000	2.34
	46.0	29,500	1.04	36,900	1.32	43,300	1.59	48,000	1.79	52,900	2.04	56,100	2.21	61,000	2.49
	50.0	29,500	1.08	36,900	1.37	43,300	1.65	48,000	1.87	52,900	2.13	56,100	2.31	61,000	2.61
	54.0	29,500	1.12	36,900	1.43	43,300	1.73	48,000	1.95	52,900	2.23	56,100	2.42	61,000	2.75
	57.0	29,500	1.16	36,900	1.49	43,300	1.81	48,000	2.05	52,900	2.35	56,100	2.56	61,000	2.90
	61.0	29,500	1.21	36,900	1.57	43,300	1.90	48,000	2.16	52,900	2.48	56,100	2.70	61,000	3.08
	64.0	29,500	1.27	36,900	1.65	43,300	2.01	48,000	2.29	52,900	2.63	56,100	2.87	61,000	3.28
	68.0	29,500	1.34	36,900	1.74	43,300	2.13	48,000	2.43	52,900	2.80	56,100	3.06	61,000	3.50
	70.0	29,500	1.38	36,900	1.79	43,300	2.19	48,000	2.51	52,900	2.89	56,100	3.16	61,000	3.62
	73.0	29,500	1.46	36,900	1.91	43,300	2.34	48,000	2.68	52,900	3.09	56,100	3.38	61,000	3.88
	77.0	29,500	1.55	36,900	2.03	43,300	2.50	48,000	2.86	52,900	3.31	56,100	3.63	61,000	4.17
	81.0	29,500	1.65	36,900	2.17	43,300	2.67	48,000	3.07	52,900	3.56	56,100	3.90	61,000	4.49
	84.0	29,500	1.77	36,900	2.33	43,300	2.87	48,000	3.30	52,900	3.83	56,100	4.20	61,000	4.83
	88.0	29,500	1.89	36,900	2.50	43,300	3.09	48,000	3.56	52,900	4.13	56,100	4.53	61,000	5.21
	91.0	29,500	2.03	36,900	2.69	43,300	3.33	48,000	3.84	52,900	4.46	56,100	4.89	61,000	5.63
	95.0	29,500	2.19	36,900	2.90	43,300	3.59	48,000	4.14	52,900	4.81	56,100	5.28	61,000	6.08
	99.0	29,500	2.36	36,900	3.13	43,300	3.88	48,000	4.47	52,900	5.20	56,100	5.70	61,000	6.57
	102.0	29,500	2.55	36,900	3.38	43,300	4.19	48,000	4.83	52,900	5.61	56,100	6.16	61,000	7.09
	108.0	29,500	2.86	36,900	3.79	43,300	4.70	48,000	5.42	52,900	6.29	55,600	6.56	55,600	6.83
	111.0	29,500	3.09	36,900	4.10	43,300	5.07	48,000	5.85	52,000	6.45	52,000	6.39	52,000	6.66
	115.0	29,500	3.34	36,900	4.42	43,300	5.47	48,000	6.31	48,400	6.28	48,400	6.21	48,400	6.48
	118.0	29,500	3.60	36,900	4.77	43,300	5.90	44,800	6.13	44,800	6.10	44,800	6.04	44,800	6.31

Capacity Table

Outdoor Unit

VRD060S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
70	23.0	25,800	0.74	32,300	0.94	37,900	1.12	42,000	1.26	46,300	1.43	49,100	1.54	53,300	1.72
	27.0	25,800	0.76	32,300	0.96	37,900	1.15	42,000	1.29	46,300	1.46	49,100	1.57	53,300	1.76
	32.0	25,800	0.79	32,300	1.00	37,900	1.19	42,000	1.34	46,300	1.52	49,100	1.64	53,300	1.85
	37.0	25,800	0.81	32,300	1.04	37,900	1.25	42,000	1.40	46,300	1.60	49,100	1.73	53,300	1.94
	41.0	25,800	0.84	32,300	1.07	37,900	1.29	42,000	1.45	46,300	1.65	49,100	1.79	53,300	2.01
	46.0	25,800	0.88	32,300	1.13	37,900	1.36	42,000	1.53	46,300	1.75	49,100	1.89	53,300	2.14
	50.0	25,800	0.91	32,300	1.17	37,900	1.41	42,000	1.59	46,300	1.82	49,100	1.97	53,300	2.23
	54.0	25,800	0.94	32,300	1.21	37,900	1.47	42,000	1.66	46,300	1.90	49,100	2.07	53,300	2.34
	57.0	25,800	0.98	32,300	1.27	37,900	1.53	42,000	1.74	46,300	2.00	49,100	2.17	53,300	2.46
	61.0	25,800	1.02	32,300	1.32	37,900	1.61	42,000	1.83	46,300	2.10	49,100	2.29	53,300	2.60
	64.0	25,800	1.07	32,300	1.39	37,900	1.69	42,000	1.93	46,300	2.22	49,100	2.42	53,300	2.76
	68.0	25,800	1.13	32,300	1.47	37,900	1.79	42,000	2.04	46,300	2.36	49,100	2.57	53,300	2.94
	70.0	25,800	1.16	32,300	1.51	37,900	1.84	42,000	2.11	46,300	2.43	49,100	2.66	53,300	3.04
	73.0	25,800	1.22	32,300	1.60	37,900	1.96	42,000	2.24	46,300	2.59	49,100	2.84	53,300	3.25
	77.0	25,800	1.30	32,300	1.70	37,900	2.09	42,000	2.39	46,300	2.77	49,100	3.04	53,300	3.48
	81.0	25,800	1.38	32,300	1.81	37,900	2.23	42,000	2.56	46,300	2.97	49,100	3.26	53,300	3.74
	84.0	25,800	1.47	32,300	1.94	37,900	2.39	42,000	2.75	46,300	3.20	49,100	3.50	53,300	4.02
	88.0	25,800	1.58	32,300	2.08	37,900	2.57	42,000	2.96	46,300	3.44	49,100	3.77	53,300	4.34
	91.0	25,800	1.69	32,300	2.24	37,900	2.76	42,000	3.19	46,300	3.71	49,100	4.07	53,300	4.68
	95.0	25,800	1.82	32,300	2.41	37,900	2.98	42,000	3.44	46,300	4.00	49,100	4.39	53,300	5.05
	99.0	25,800	1.96	32,300	2.60	37,900	3.22	42,000	3.71	46,300	4.32	49,100	4.74	53,300	5.45
60	102.0	25,800	2.12	32,300	2.81	37,900	3.47	42,000	4.01	46,300	4.67	49,100	5.12	53,300	5.89
	108.0	25,800	2.37	32,300	3.15	37,900	3.90	42,000	4.50	46,300	5.24	49,100	5.75	53,300	6.61
	111.0	25,800	2.57	32,300	3.40	37,900	4.21	42,000	4.86	46,300	5.65	49,100	6.20	52,000	6.78
	115.0	25,800	2.77	32,300	3.67	37,900	4.54	42,000	5.25	46,300	6.10	48,400	6.35	48,400	6.60
	118.0	25,800	2.99	32,300	3.96	37,900	4.90	42,000	5.66	44,800	6.24	44,800	6.18	44,800	6.43
	23.0	22,100	0.62	27,700	0.79	32,500	0.95	36,000	1.07	39,700	1.21	42,100	1.31	45,700	1.47
	27.0	22,100	0.63	27,700	0.81	32,500	0.97	36,000	1.10	39,700	1.24	42,100	1.34	45,700	1.51
	32.0	22,100	0.65	27,700	0.84	32,500	1.00	36,000	1.13	39,700	1.28	42,100	1.39	45,700	1.57
	37.0	22,100	0.68	27,700	0.86	32,500	1.04	36,000	1.18	39,700	1.35	42,100	1.46	45,700	1.65
	41.0	22,100	0.69	27,700	0.89	32,500	1.08	36,000	1.22	39,700	1.39	42,100	1.51	45,700	1.71
	46.0	22,100	0.73	27,700	0.94	32,500	1.13	36,000	1.29	39,700	1.47	42,100	1.59	45,700	1.80
	50.0	22,100	0.75	27,700	0.97	32,500	1.18	36,000	1.34	39,700	1.53	42,100	1.66	45,700	1.88
	54.0	22,100	0.78	27,700	1.01	32,500	1.22	36,000	1.39	39,700	1.59	42,100	1.73	45,700	1.96
	57.0	22,100	0.81	27,700	1.05	32,500	1.27	36,000	1.45	39,700	1.66	42,100	1.81	45,700	2.06
	61.0	22,100	0.84	27,700	1.09	32,500	1.33	36,000	1.52	39,700	1.75	42,100	1.90	45,700	2.17
	64.0	22,100	0.88	27,700	1.15	32,500	1.40	36,000	1.60	39,700	1.84	42,100	2.01	45,700	2.29
	68.0	22,100	0.92	27,700	1.21	32,500	1.48	36,000	1.69	39,700	1.95	42,100	2.13	45,700	2.43
	70.0	22,100	0.95	27,700	1.24	32,500	1.52	36,000	1.74	39,700	2.01	42,100	2.19	45,700	2.51
	73.0	22,100	1.00	27,700	1.31	32,500	1.61	36,000	1.85	39,700	2.13	42,100	2.33	45,700	2.67
	77.0	22,100	1.06	27,700	1.39	32,500	1.71	36,000	1.97	39,700	2.28	42,100	2.49	45,700	2.86
	81.0	22,100	1.13	27,700	1.48	32,500	1.83	36,000	2.11	39,700	2.44	42,100	2.67	45,700	3.06
	84.0	22,100	1.20	27,700	1.58	32,500	1.96	36,000	2.26	39,700	2.61	42,100	2.87	45,700	3.29
	88.0	22,100	1.28	27,700	1.70	32,500	2.10	36,000	2.42	39,700	2.81	42,100	3.08	45,700	3.54
	91.0	22,100	1.38	27,700	1.82	32,500	2.26	36,000	2.61	39,700	3.02	42,100	3.32	45,700	3.82
	95.0	22,100	1.48	27,700	1.96	32,500	2.43	36,000	2.81	39,700	3.26	42,100	3.58	45,700	4.12
	99.0	22,100	1.59	27,700	2.11	32,500	2.62	36,000	3.03	39,700	3.52	42,100	3.87	45,700	4.45
	102.0	22,100	1.72	27,700	2.28	32,500	2.83	36,000	3.27	39,700	3.80	42,100	4.17	45,700	4.81
	108.0	22,100	1.93	27,700	2.56	32,500	3.18	36,000	3.68	39,700	4.27	42,100	4.69	45,700	5.39
	111.0	22,100	2.08	27,700	2.76	32,500	3.43	36,000	3.97	39,700	4.61	42,100	5.06	45,700	5.82
	115.0	22,100	2.25	27,700	2.98	32,500	3.70	36,000	4.29	39,700	4.97	42,100	5.46	45,700	6.28
	118.0	22,100	2.43	27,700	3.22	32,500	4.00	36,000	4.62	39,700	5.36	42,100	5.89	44,800	6.44

Capacity Table

Outdoor Unit

VRD060S6M-5P

Cooling

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature	Indoor Temperature (°F, DB / WB)													
		68.0/57.0		73.0/61.0		79.0/64.0		80.0/67.0		85.0/70.0		87.0/72.0		89.0/75.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
50	23.0	18,500	0.50	23,100	0.65	27,100	0.78	30,000	0.88	33,100	1.01	35,000	1.09	38,100	1.23
	27.0	18,500	0.51	23,100	0.66	27,100	0.80	30,000	0.90	33,100	1.03	35,000	1.12	38,100	1.26
	32.0	18,500	0.53	23,100	0.69	27,100	0.83	30,000	0.94	33,100	1.07	35,000	1.16	38,100	1.31
	37.0	18,500	0.55	23,100	0.71	27,100	0.86	30,000	0.97	33,100	1.11	35,000	1.20	38,100	1.37
	41.0	18,500	0.56	23,100	0.73	27,100	0.88	30,000	1.00	33,100	1.15	35,000	1.24	38,100	1.41
	46.0	18,500	0.59	23,100	0.76	27,100	0.93	30,000	1.05	33,100	1.21	35,000	1.31	38,100	1.49
	50.0	18,500	0.61	23,100	0.79	27,100	0.96	30,000	1.09	33,100	1.25	35,000	1.36	38,100	1.55
	54.0	18,500	0.63	23,100	0.82	27,100	0.99	30,000	1.13	33,100	1.30	35,000	1.41	38,100	1.61
	57.0	18,500	0.66	23,100	0.85	27,100	1.03	30,000	1.18	33,100	1.36	35,000	1.47	38,100	1.68
	61.0	18,500	0.68	23,100	0.89	27,100	1.08	30,000	1.23	33,100	1.42	35,000	1.55	38,100	1.77
	64.0	18,500	0.71	23,100	0.93	27,100	1.13	30,000	1.29	33,100	1.49	35,000	1.62	38,100	1.86
	68.0	18,500	0.74	23,100	0.97	27,100	1.19	30,000	1.36	33,100	1.57	35,000	1.71	38,100	1.97
	70.0	18,500	0.76	23,100	1.00	27,100	1.22	30,000	1.40	33,100	1.62	35,000	1.76	38,100	2.02
	73.0	18,500	0.80	23,100	1.05	27,100	1.29	30,000	1.48	33,100	1.71	35,000	1.87	38,100	2.15
	77.0	18,500	0.85	23,100	1.12	27,100	1.37	30,000	1.58	33,100	1.82	35,000	1.99	38,100	2.29
	81.0	18,500	0.90	23,100	1.19	27,100	1.46	30,000	1.68	33,100	1.95	35,000	2.13	38,100	2.45
	84.0	18,500	0.96	23,100	1.27	27,100	1.56	30,000	1.80	33,100	2.08	35,000	2.28	38,100	2.63
	88.0	18,500	1.03	23,100	1.35	27,100	1.67	30,000	1.93	33,100	2.24	35,000	2.45	38,100	2.83
	91.0	18,500	1.10	23,100	1.45	27,100	1.79	30,000	2.07	33,100	2.40	35,000	2.64	38,100	3.04
	95.0	18,500	1.18	23,100	1.56	27,100	1.93	30,000	2.23	33,100	2.59	35,000	2.84	38,100	3.28
	99.0	18,500	1.27	23,100	1.68	27,100	2.08	30,000	2.41	33,100	2.79	35,000	3.06	38,100	3.54
	102.0	18,500	1.37	23,100	1.81	27,100	2.25	30,000	2.60	33,100	3.02	35,000	3.31	38,100	3.82
	108.0	18,500	1.54	23,100	2.03	27,100	2.52	30,000	2.91	33,100	3.39	35,000	3.71	38,100	4.29
	111.0	18,500	1.66	23,100	2.20	27,100	2.72	30,000	3.15	33,100	3.66	35,000	4.01	38,100	4.63
	115.0	18,500	1.79	23,100	2.37	27,100	2.94	30,000	3.40	33,100	3.95	35,000	4.33	38,100	5.00
	118.0	18,500	1.93	23,100	2.56	27,100	3.17	30,000	3.67	33,100	4.26	35,000	4.67	38,100	5.40

NOTE

- The performance table shows the average value of each conditions.

Capacity Table

Outdoor Unit

VRD060S6M-5P

Heating

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature		Indoor Temperature (°F, DB)									
			61.0		65.0		70.0		72.0		75.0	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
130	-21.8	-22.0	46,500	4.27	45,100	4.71	43,500	5.16	42,700	5.27	41,500	5.61
	-17.8	-18.0	51,200	4.60	49,900	5.05	48,200	5.50	47,500	5.61	46,300	5.95
	-12.6	-13.0	58,300	5.11	57,000	5.55	55,300	6.00	54,600	6.11	53,400	6.45
	-7.1	-7.6	65,500	5.61	64,200	6.06	62,500	6.51	61,300	6.62	57,800	6.73
	-4.0	-4.4	70,200	5.95	68,900	6.39	65,800	6.73	63,700	6.73	60,100	6.84
	1.0	0	77,400	6.45	74,800	6.79	69,400	6.90	67,300	6.90	63,700	7.01
	5.0	3.0	81,300	6.79	77,200	6.90	71,700	7.01	69,700	7.01	66,100	7.12
	10.0	9.0	84,900	6.95	80,800	7.07	75,300	7.18	73,200	7.18	69,300	7.29
	14.0	12.0	87,300	7.07	83,100	7.18	77,600	7.29	74,400	7.29	69,900	7.29
	19.0	18.0	90,900	7.23	85,600	7.29	78,500	7.29	75,400	7.29	70,900	7.29
	23.0	21.0	91,600	7.29	86,300	7.29	79,200	7.29	76,100	7.29	71,600	7.29
	27.0	25.0	92,200	7.29	87,000	7.29	79,900	7.29	76,700	7.29	72,200	7.29
	32.0	30.0	93,200	7.29	87,900	7.29	80,900	7.29	77,700	7.29	73,200	7.29
	37.0	36.0	94,200	7.29	88,900	7.29	81,800	7.29	78,700	7.29	74,200	7.29
	44.0	40.0	95,200	7.29	89,900	7.29	82,800	7.29	79,700	7.29	75,200	7.29
	47.0	43.0	95,500	7.29	90,300	7.29	83,200	7.29	80,000	7.29	75,500	7.29
	51.0	47.0	96,900	7.29	91,600	7.29	84,500	7.29	81,400	7.29	76,200	6.85
	54.0	50.0	97,200	7.29	91,900	7.29	84,800	7.29	81,700	7.29	76,200	6.65
	57.0	53.0	97,900	7.29	92,600	7.29	85,500	7.29	82,000	6.89	76,200	6.30
	60.0	56.0	98,500	7.29	93,200	7.29	85,800	6.90	82,000	6.54	76,200	5.99
120	-21.8	-22.0	44,900	4.60	43,700	4.99	42,100	5.33	41,400	5.61	40,400	5.89
	-17.8	-18.0	49,700	4.94	48,400	5.33	46,900	5.67	46,200	5.95	45,100	6.23
	-12.6	-13.0	56,800	5.44	55,600	5.83	54,000	6.17	53,300	6.45	50,900	6.62
	-7.1	-7.6	63,900	5.95	62,700	6.34	60,300	6.67	57,800	6.73	54,500	6.79
	-4.0	-4.4	68,700	6.28	67,300	6.67	62,700	6.79	60,100	6.84	56,900	6.90
	1.0	0	74,700	6.79	70,900	6.84	66,200	6.95	63,700	7.01	60,400	7.07
	5.0	3.0	77,000	6.90	73,300	6.95	68,600	7.07	66,100	7.12	62,800	7.18
	10.0	9.0	80,600	7.07	76,800	7.12	72,200	7.23	69,100	7.29	64,700	7.29
	14.0	12.0	83,000	7.18	79,200	7.23	72,900	7.29	69,800	7.29	65,400	7.29
	19.0	18.0	85,100	7.29	80,000	7.29	73,900	7.29	70,800	7.29	66,400	7.29
	23.0	21.0	85,800	7.29	80,700	7.29	74,600	7.29	71,400	7.29	67,000	7.29
	27.0	25.0	86,500	7.29	81,400	7.29	75,200	7.29	72,100	7.29	67,700	7.29
	32.0	30.0	87,500	7.29	82,300	7.29	76,200	7.29	73,100	7.29	68,700	7.29
	37.0	36.0	88,400	7.29	83,300	7.29	77,200	7.29	74,100	7.29	69,700	7.29
	44.0	40.0	89,400	7.29	84,300	7.29	78,200	7.29	75,100	7.29	70,300	6.83
	47.0	43.0	89,800	7.29	84,700	7.29	78,500	7.29	75,400	7.29	70,300	6.61
	51.0	47.0	91,100	7.29	86,000	7.29	79,200	6.83	75,700	6.43	70,300	5.86
	54.0	50.0	91,400	7.29	86,300	7.29	79,200	6.63	75,700	6.25	70,300	5.70
	57.0	53.0	92,100	7.29	87,000	7.12	79,200	6.27	75,700	5.92	70,300	5.41
	60.0	56.0	92,700	7.29	87,000	6.73	79,200	5.95	75,700	5.62	70,300	5.15
110	-21.8	-22.0	43,400	5.05	42,200	5.33	40,800	5.78	40,200	5.78	38,700	6.11
	-17.8	-18.0	48,100	5.39	47,000	5.67	45,600	6.11	44,900	6.11	43,500	6.45
	-12.6	-13.0	55,200	5.89	54,100	6.17	52,600	6.62	50,900	6.62	47,700	6.73
	-7.1	-7.6	62,400	6.39	60,700	6.67	56,100	6.79	54,500	6.79	51,200	6.90
	-4.0	-4.4	66,400	6.73	63,000	6.79	58,500	6.90	56,900	6.90	53,600	7.01
	1.0	0	70,000	6.90	66,600	6.95	62,100	7.07	60,400	7.07	57,200	7.18
	5.0	3.0	72,400	7.01	69,000	7.07	64,500	7.18	62,800	7.18	59,500	7.29
	10.0	9.0	75,900	7.18	72,500	7.23	67,000	7.29	64,500	7.29	60,500	7.29
	14.0	12.0	78,100	7.29	73,400	7.29	67,700	7.29	65,100	7.29	61,200	7.29
	19.0	18.0	79,000	7.29	74,400	7.29	68,600	7.29	66,100	7.29	62,200	7.29
	23.0	21.0	79,700	7.29	75,100	7.29	69,300	7.29	66,800	7.29	62,800	7.29
	27.0	25.0	80,400	7.29	75,800	7.29	70,000	7.29	67,400	7.29	63,500	7.29
	32.0	30.0	81,400	7.29	76,700	7.29	71,000	7.29	68,400	7.29	64,500	7.16
	37.0	36.0	82,300	7.29	77,700	7.29	71,900	7.29	69,400	7.12	64,500	6.42
	44.0	40.0	83,300	7.29	78,700	7.29	72,600	6.82	69,400	6.42	64,500	5.80
	47.0	43.0	83,700	7.29	79,100	7.29	72,600	6.60	69,400	6.21	64,500	5.62
	51.0	47.0	85,000	7.29	79,700	6.65	72,600	5.84	69,400	5.51	64,500	5.00
	54.0	50.0	85,300	7.12	79,700	6.46	72,600	5.68	69,400	5.36	64,500	4.87
	57.0	53.0	85,300	6.72	79,700	6.10	72,600	5.38	69,400	5.09	64,500	4.64
	60.0	56.0	85,300	6.36	79,700	5.79	72,600	5.13	69,400	4.85	64,500	4.43

Capacity Table

Outdoor Unit

VRD060S6M-5P

Heating

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature		Indoor Temperature (°F, DB)									
			61.0		65.0		70.0		72.0		75.0	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
100	-21.8	-22.0	41,800	5.50	40,800	5.67	39,500	6.11	38,100	6.11	35,800	6.17
	-17.8	-18.0	46,600	5.83	45,600	6.00	44,300	6.44	42,800	6.45	40,600	6.51
	-12.6	-13.0	53,700	6.34	52,700	6.51	49,100	6.67	47,300	6.73	44,700	6.79
	-7.1	-7.6	59,400	6.73	56,400	6.79	52,700	6.84	50,900	6.90	48,300	6.95
	-4.0	-4.4	61,800	6.84	58,800	6.90	55,000	6.95	53,300	7.01	50,700	7.07
	1.0	0	65,400	7.01	62,300	7.07	58,600	7.12	56,800	7.18	54,200	7.23
	5.0	3.0	67,700	7.12	64,700	7.18	61,000	7.23	58,800	7.29	55,300	7.29
	10.0	9.0	71,300	7.29	67,200	7.29	62,000	7.29	59,800	7.29	56,300	7.29
	14.0	12.0	71,900	7.29	67,900	7.29	64,000	7.29	60,500	7.29	57,000	7.29
	19.0	18.0	72,900	7.29	68,800	7.29	66,000	7.29	61,500	7.29	58,000	7.29
	23.0	21.0	73,600	7.29	69,500	7.29	66,000	7.29	62,100	7.29	58,600	7.28
	27.0	25.0	74,300	7.29	70,200	7.29	66,000	7.29	62,800	7.29	58,600	6.75
	32.0	30.0	75,200	7.29	71,200	7.29	66,000	7.14	63,100	6.70	58,600	6.04
	37.0	36.0	76,200	7.29	72,100	7.29	66,000	6.41	63,100	6.02	58,600	5.43
	44.0	40.0	77,200	7.29	72,500	6.64	66,000	5.78	63,100	5.44	58,600	4.92
	47.0	43.0	77,600	7.11	72,500	6.42	66,000	5.60	63,100	5.27	58,600	4.77
	51.0	47.0	77,600	6.27	72,500	5.68	66,000	4.98	63,100	4.70	58,600	4.27
	54.0	50.0	77,600	6.09	72,500	5.52	66,000	4.85	63,100	4.58	58,600	4.16
	57.0	53.0	77,600	5.76	72,500	5.24	66,000	4.61	63,100	4.36	58,600	3.97
	60.0	56.0	77,600	5.47	72,500	4.99	66,000	4.40	63,100	4.17	58,600	3.80
90	-21.8	-22.0	40,300	5.78	39,100	6.06	36,200	6.17	34,900	6.17	32,900	6.34
	-17.8	-18.0	45,000	6.11	43,900	6.39	41,000	6.51	39,700	6.51	37,600	6.67
	-12.6	-13.0	51,200	6.62	48,500	6.67	45,000	6.79	43,700	6.79	41,100	6.84
	-7.1	-7.6	54,800	6.79	52,100	6.84	48,500	6.95	47,300	6.95	44,700	7.01
	-4.0	-4.4	57,100	6.90	54,500	6.95	50,900	7.07	49,700	7.07	47,100	7.12
	1.0	0	60,700	7.07	58,000	7.12	54,500	7.23	53,200	7.23	49,800	7.29
	5.0	3.0	63,100	7.18	60,400	7.23	55,800	7.29	53,800	7.29	50,400	7.29
	10.0	9.0	64,900	7.29	61,300	7.29	56,800	7.29	54,800	7.29	51,400	7.29
	14.0	12.0	65,500	7.29	61,900	7.29	57,400	7.29	55,500	7.29	52,100	7.29
	19.0	18.0	66,500	7.29	62,900	7.29	58,400	7.29	56,500	7.29	52,800	6.75
	23.0	21.0	67,200	7.29	63,600	7.29	59,100	7.29	56,800	6.94	52,800	6.24
	27.0	25.0	67,800	7.29	64,200	7.29	59,400	6.87	56,800	6.43	52,800	5.79
	32.0	30.0	68,800	7.29	65,200	7.07	59,400	6.14	56,800	5.76	52,800	5.19
	37.0	36.0	69,800	7.06	65,200	6.35	59,400	5.53	56,800	5.18	52,800	4.68
	44.0	40.0	69,800	6.37	65,200	5.73	59,400	5.00	56,800	4.70	52,800	4.26
	47.0	43.0	69,800	6.16	65,200	5.55	59,400	4.85	56,800	4.56	52,800	4.13
	51.0	47.0	69,800	5.46	65,200	4.94	59,400	4.34	56,800	4.09	52,800	3.71
	54.0	50.0	69,800	5.32	65,200	4.81	59,400	4.23	56,800	3.99	52,800	3.62
	57.0	53.0	69,800	5.05	65,200	4.57	59,400	4.03	56,800	3.80	52,800	3.46
	60.0	56.0	69,800	4.81	65,200	4.36	59,400	3.86	56,800	3.64	52,800	3.32
80	-21.8	-22.0	37,500	6.11	35,500	6.17	32,900	6.34	31,700	6.39	29,900	6.45
	-17.8	-18.0	42,300	6.45	40,200	6.51	37,600	6.67	36,200	6.73	34,300	6.79
	-12.6	-13.0	46,600	6.73	44,300	6.79	41,200	6.84	39,800	6.90	37,900	6.95
	-7.1	-7.6	50,100	6.90	47,800	6.95	44,700	7.01	43,400	7.07	41,400	7.12
	-4.0	-4.4	52,500	7.01	50,200	7.07	47,100	7.12	45,700	7.18	43,800	7.23
	1.0	0	56,100	7.18	53,800	7.23	49,800	7.29	48,200	7.29	45,600	7.29
	5.0	3.0	57,800	7.29	54,700	7.29	50,500	7.29	48,800	7.29	46,200	7.29
	10.0	9.0	58,700	7.29	55,700	7.29	51,500	7.29	49,800	7.29	46,900	6.97
	14.0	12.0	59,400	7.29	56,300	7.29	52,100	7.29	50,500	7.13	46,900	6.43
	19.0	18.0	60,400	7.29	57,300	7.29	52,800	6.78	50,500	6.33	46,900	5.71
	23.0	21.0	61,100	7.29	58,000	7.24	52,800	6.27	50,500	5.86	46,900	5.29
	27.0	25.0	61,700	7.29	58,000	6.71	52,800	5.82	50,500	5.44	46,900	4.91
	32.0	30.0	62,000	6.69	58,000	6.00	52,800	5.22	50,500	4.88	46,900	4.42
	37.0	36.0	62,000	6.01	58,000	5.40	52,800	4.71	50,500	4.41	46,900	4.00
	44.0	40.0	62,000	5.44	58,000	4.90	52,800	4.28	50,500	4.02	46,900	3.64
	47.0	43.0	62,000	5.27	58,000	4.75	52,800	4.15	50,500	3.90	46,900	3.54
	51.0	47.0	62,000	4.70	58,000	4.25	52,800	3.73	50,500	3.51	46,900	3.20
	54.0	50.0	62,000	4.58	58,000	4.15	52,800	3.64	50,500	3.43	46,900	3.13
	57.0	53.0	62,000	4.36	58,000	3.96	52,800	3.48	50,500	3.29	46,900	2.99
	60.0	56.0	62,000	4.17	58,000	3.79	52,800	3.34	50,500	3.16	46,900	2.88

Capacity Table

Outdoor Unit

VRD060S6M-5P

Heating

TC : Total Capacity, PI : Power Input

Combination Ratio	Outdoor Temperature		Indoor Temperature (°F, DB)									
			61.0		65.0		70.0		72.0		75.0	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
%	°F	°F	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW	Btu/h	kW
70	-21.8	-22.0	33,600	6.34	31,900	6.39	29,600	6.45	28,600	6.45	27,000	6.51
	-17.8	-18.0	38,300	6.67	36,100	6.73	33,800	6.79	33,000	6.79	31,000	6.84
	-12.6	-13.0	41,900	6.84	39,700	6.90	37,300	6.95	36,500	6.95	34,600	7.01
	-7.1	-7.6	45,500	7.01	43,200	7.07	40,900	7.12	40,100	7.12	38,100	7.18
	-4.0	-4.4	47,900	7.12	45,600	7.18	43,300	7.23	42,500	7.23	40,000	7.29
	1.0	0	51,000	7.29	48,100	7.29	44,900	7.29	43,500	7.29	41,000	7.06
	5.0	3.0	51,700	7.29	48,800	7.29	45,500	7.29	44,200	7.26	41,000	6.51
	10.0	9.0	52,600	7.29	49,700	7.29	46,200	6.87	44,200	6.43	41,000	5.76
	14.0	12.0	53,300	7.29	50,400	7.29	46,200	6.34	44,200	5.93	41,000	5.32
	19.0	18.0	54,300	7.28	50,700	6.53	46,200	5.64	44,200	5.28	41,000	4.74
	23.0	21.0	54,300	6.74	50,700	6.04	46,200	5.22	44,200	4.89	41,000	4.40
	27.0	25.0	54,300	6.25	50,700	5.60	46,200	4.85	44,200	4.55	41,000	4.09
	32.0	30.0	54,300	5.60	50,700	5.03	46,200	4.36	44,200	4.09	41,000	3.69
	37.0	36.0	54,300	5.05	50,700	4.54	46,200	3.95	44,200	3.71	41,000	3.35
	44.0	40.0	54,300	4.59	50,700	4.13	46,200	3.60	44,200	3.38	41,000	3.06
	47.0	43.0	54,300	4.45	50,700	4.01	46,200	3.50	44,200	3.29	41,000	2.98
	51.0	47.0	54,300	4.00	50,700	3.61	46,200	3.16	44,200	2.98	41,000	2.71
	54.0	50.0	54,300	3.90	50,700	3.53	46,200	3.09	44,200	2.91	41,000	2.65
	57.0	53.0	54,300	3.73	50,700	3.37	46,200	2.97	44,200	2.80	41,000	2.55
	60.0	56.0	54,300	3.58	50,700	3.24	46,200	2.85	44,200	2.69	41,000	2.46
60	-21.8	-22.0	29,800	6.45	28,200	6.45	26,300	6.51	25,400	6.56	24,100	6.06
	-17.8	-18.0	33,700	6.79	32,100	6.79	30,300	6.84	29,400	6.90	27,700	6.39
	-12.6	-13.0	37,300	6.95	35,700	6.95	33,900	7.01	32,900	7.07	31,300	6.56
	-7.1	-7.6	40,800	7.12	39,300	7.12	37,400	7.18	36,500	7.23	34,900	6.73
	-4.0	-4.4	43,200	7.23	41,600	7.23	38,900	7.29	37,900	7.23	35,200	6.51
	1.0	0	44,900	7.29	42,500	7.29	39,600	6.85	37,900	6.39	35,200	5.75
	5.0	3.0	45,500	7.29	43,200	7.29	39,600	6.32	37,900	5.89	35,200	5.30
	10.0	9.0	46,500	7.23	43,500	6.47	39,600	5.59	37,900	5.22	35,200	4.70
	14.0	12.0	46,500	6.67	43,500	5.97	39,600	5.17	37,900	4.82	35,200	4.35
	19.0	18.0	46,500	5.93	43,500	5.32	39,600	4.60	37,900	4.30	35,200	3.88
	23.0	21.0	46,500	5.49	43,500	4.93	39,600	4.27	37,900	3.99	35,200	3.60
	27.0	25.0	46,500	5.10	43,500	4.58	39,600	3.97	37,900	3.71	35,200	3.35
	32.0	30.0	46,500	4.59	43,500	4.12	39,600	3.58	37,900	3.35	35,200	3.03
	37.0	36.0	46,500	4.15	43,500	3.74	39,600	3.25	37,900	3.05	35,200	2.76
	44.0	40.0	46,500	3.79	43,500	3.41	39,600	2.98	37,900	2.79	35,200	2.54
	47.0	43.0	46,500	3.68	43,500	3.32	39,600	2.90	37,900	2.72	35,200	2.47
	51.0	47.0	46,500	3.33	43,500	3.01	39,600	2.64	37,900	2.48	35,200	2.25
	54.0	50.0	46,500	3.25	43,500	2.94	39,600	2.58	37,900	2.43	35,200	2.21
	57.0	53.0	46,500	3.12	43,500	2.82	39,600	2.48	37,900	2.33	35,200	2.13
	60.0	56.0	46,500	3.00	43,500	2.72	39,600	2.40	37,900	2.25	35,200	2.06
50	-21.8	-22.0	25,900	6.51	24,600	6.56	23,000	6.07	22,300	5.63	21,100	5.43
	-17.8	-18.0	29,700	6.84	28,200	6.90	26,200	6.29	25,100	5.85	23,500	5.54
	-12.6	-13.0	33,300	7.01	31,800	7.07	29,700	6.46	28,700	6.02	27,000	5.71
	-7.1	-7.6	36,800	7.18	35,300	7.23	33,000	6.63	31,600	6.19	29,300	5.59
	-4.0	-4.4	38,100	7.29	36,200	7.06	33,000	6.10	31,600	5.70	29,300	5.14
	1.0	0	38,800	6.98	36,200	6.24	33,000	5.39	31,600	5.04	29,300	4.55
	5.0	3.0	38,800	6.43	36,200	5.75	33,000	4.97	31,600	4.65	29,300	4.20
	10.0	9.0	38,800	5.70	36,200	5.10	33,000	4.41	31,600	4.12	29,300	3.72
	14.0	12.0	38,800	5.26	36,200	4.71	33,000	4.08	31,600	3.81	29,300	3.45
	19.0	18.0	38,800	4.69	36,200	4.20	33,000	3.64	31,600	3.40	29,300	3.08
	23.0	21.0	38,800	4.35	36,200	3.90	33,000	3.38	31,600	3.17	29,300	2.86
	27.0	25.0	38,800	4.05	36,200	3.63	33,000	3.15	31,600	2.95	29,300	2.67
	32.0	30.0	38,800	3.65	36,200	3.28	33,000	2.85	31,600	2.67	29,300	2.42
	37.0	36.0	38,800	3.32	36,200	2.99	33,000	2.60	31,600	2.44	29,300	2.21
	44.0	40.0	38,800	3.04	36,200	2.74	33,000	2.39	31,600	2.25	29,300	2.04
	47.0	43.0	38,800	2.96	36,200	2.67	33,000	2.33	31,600	2.19	29,300	1.99
	51.0	47.0	38,800	2.69	36,200	2.44	33,000	2.13	31,600	2.01	29,300	1.83
	54.0	50.0	38,800	2.64	36,200	2.39	33,000	2.09	31,600	1.97	29,300	1.79
	57.0	53.0	38,800	2.54	36,200	2.30	33,000	2.01	31,600	1.90	29,300	1.73
	60.0	56.0	38,800	2.45	36,200	2.22	33,000	1.95	31,600	1.84	29,300	1.68

NOTE

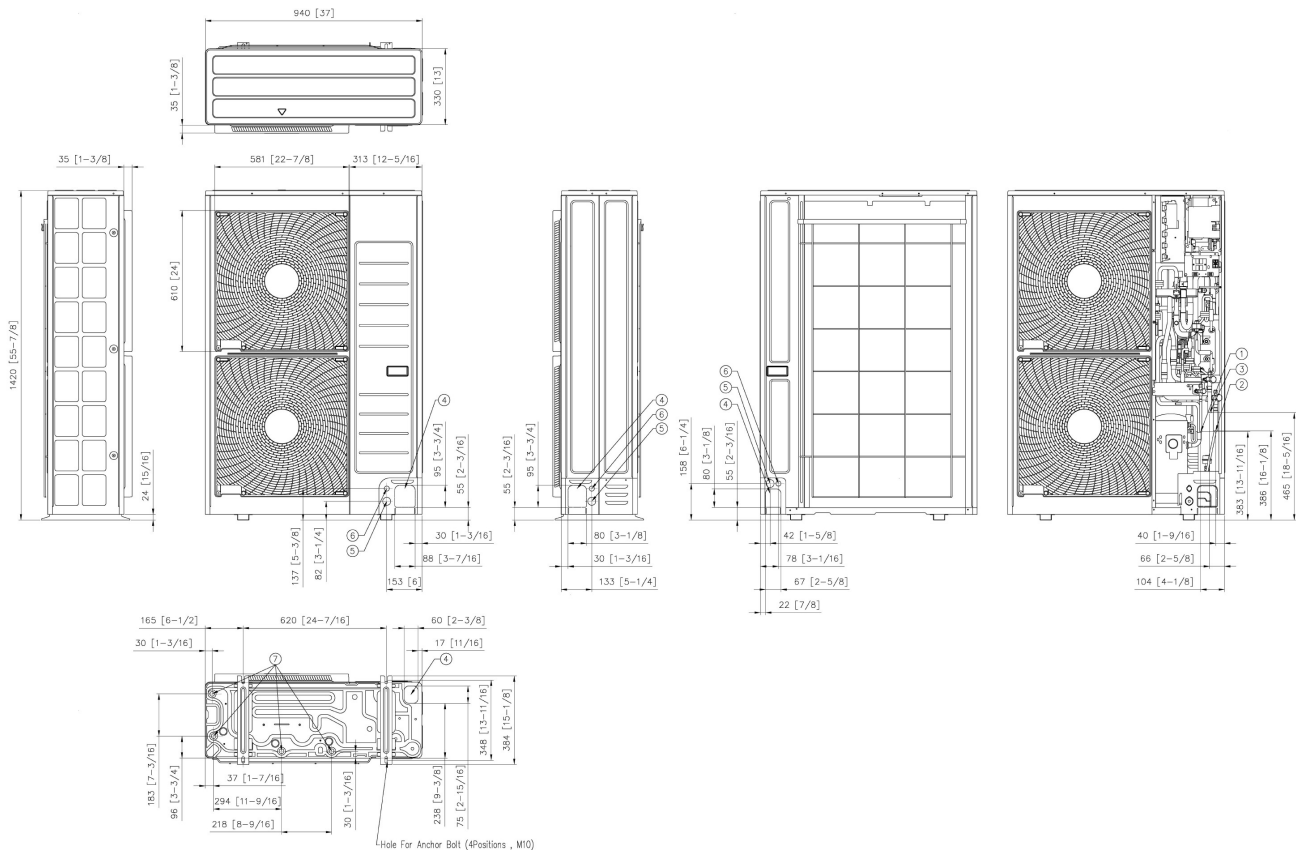
- The performance table shows the average value of each conditions.

Dimensional Drawing

Outdoor Unit

VRD036S6M-5P, VRD048S6M-5P, VRD060S6M-5P

Unit: mm [inch]

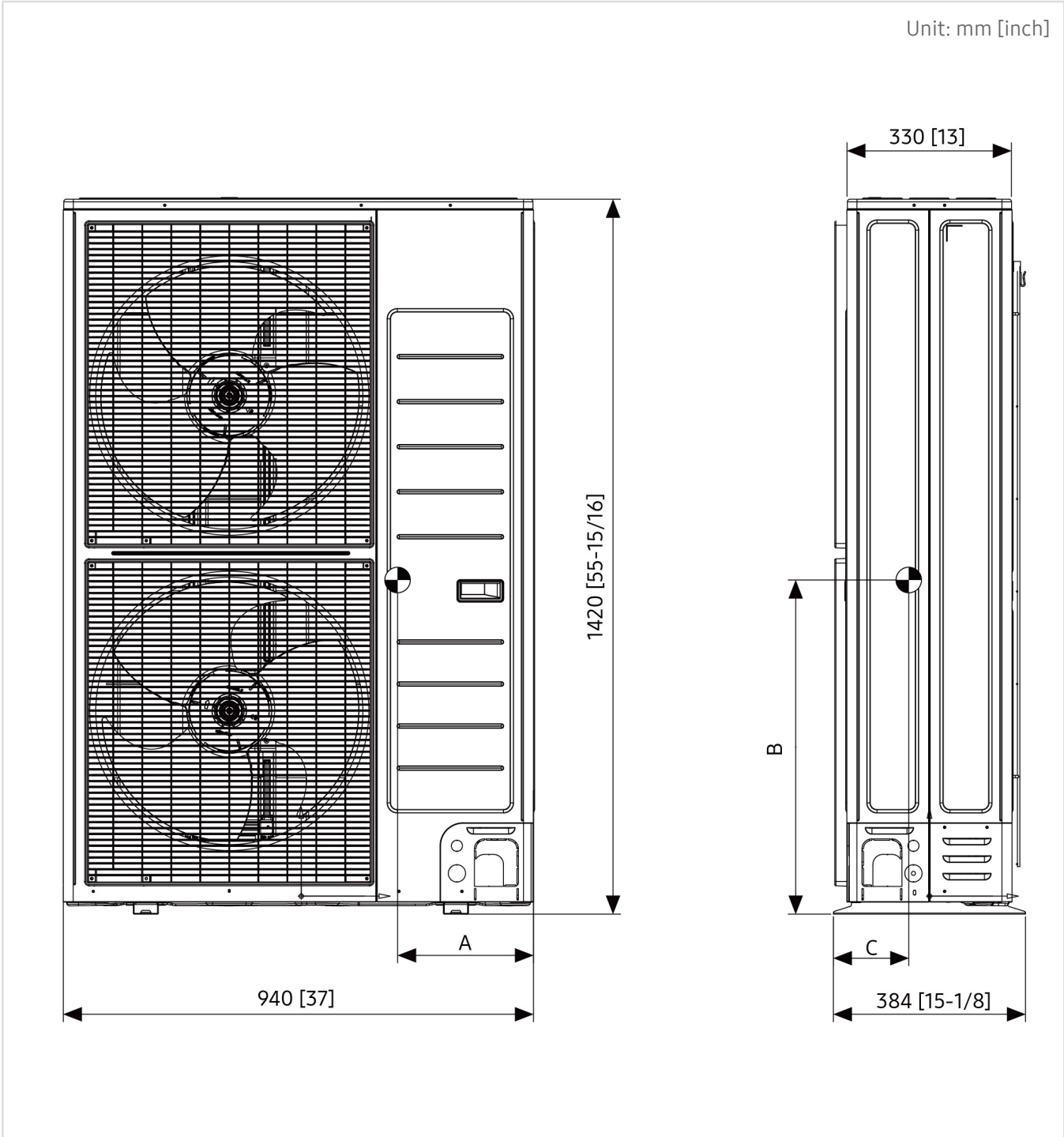


No.	Name	Description	
		VRD036S6M-5P, VRD048S6M-5P	VRD060S6M-5P
1	Gas pipe connection	15.88 [5/8]	19.05 [3/4]
2	Liquid pipe connection	9.52 [3/8]	
3	Piping intake knockout hole	Front / Side / Rear / Bottom	
4	Power supply wiring conduit	Front / Side / Rear	
5	Communication wiring conduit	Front / Side / Rear	
6	Drain pipe connection	-	

Center of Gravity

Outdoor Unit

VRD036S6M-5P, VRD048S6M-5P, VRD060S6M-5P

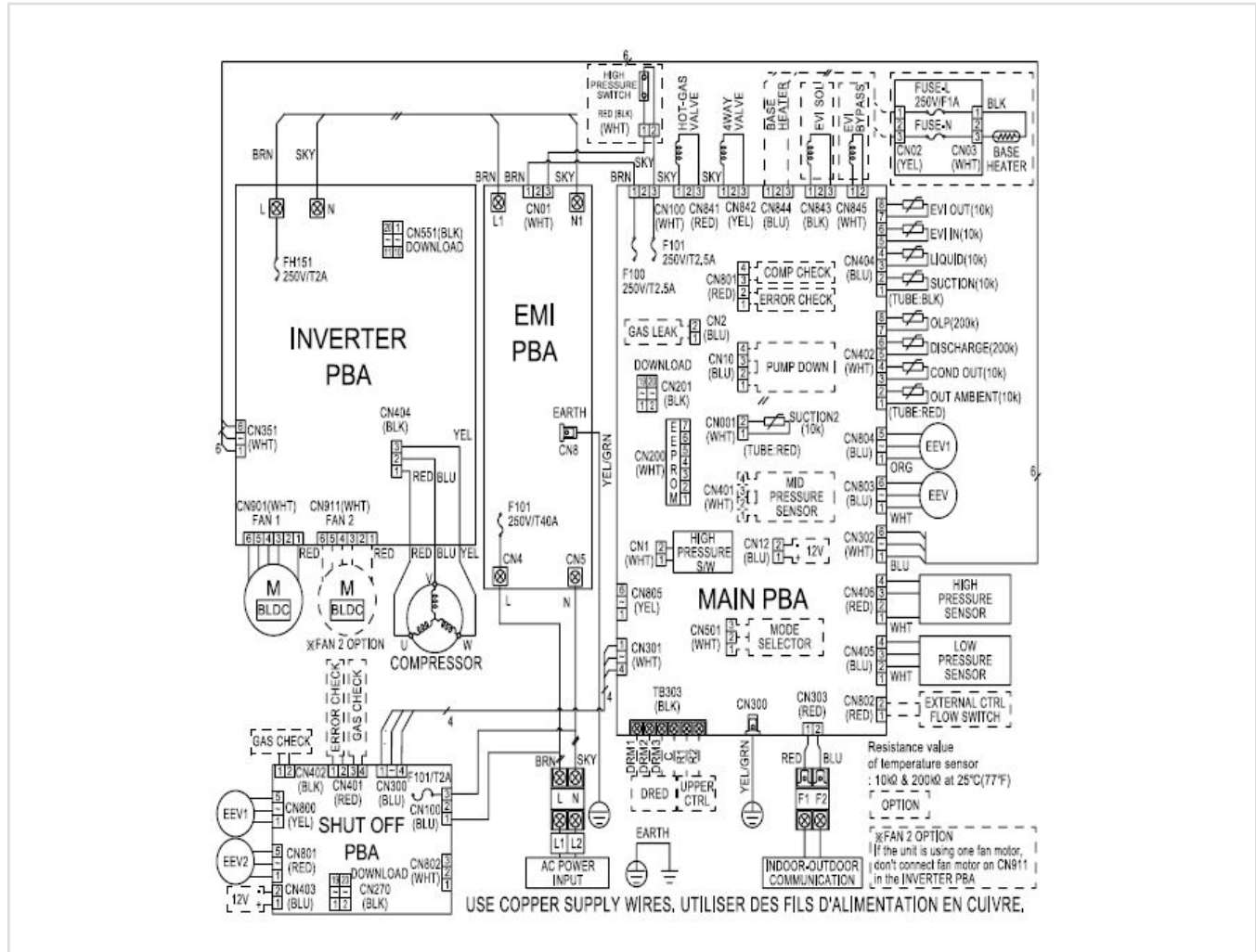


Model	A	B	C
VRD036S6M-5P VRD048S6M-5P VRD060S6M-5P	374 [14-3/4]	620 [24-7/16]	179 [7-1/16]

Electrical Wiring Diagram

Outdoor Unit

VRD036S6M-5P, VRD048S6M-5P, VRD060S6M-5P



MAIN PBA	Printed circuit board(MAIN)	EVI BYPASS	Solenoid Valve(EVI-bypass)
INVERTER PBA	Printed circuit board(INVERTER)	OLP-TEMP	Thermistor(Compressor Top)
EMI PBA	Printed circuit board(EMI)	DISCHARGE	Thermistor(DISCHARGE)
SHUT OFF PBA	Printed circuit board(SHUT OFF)	COND OUT	Thermistor(DISCHARGE)
250V T40A	FUSE	OUT AMBIENT	Thermistor(OUT AMBIENT)
M(BLDC)	Motor for Outdoor Fan	EVI OUT	Thermistor(EVI OUT)
COMP	Motor for Compressor	EVI IN	Thermistor(EVI IN)
HOTGAS VALVE	Solenoid Valve(Hot Gas bypass)	LIQUID	Thermistor(LIQUID)
4WAY-VALVE	Solenoid Valve(4Way)	SUCTION	Thermistor(SUCTION)
BASE HEATER	BASE HEATER	EEV	Electronic expansion valve
EVI SOL	Solenoid Valve(EVI-sol)	-	-

NOTE

- This wiring diagram applies only to the outdoor unit.
- Colors BLK: black, RED: red, BLU: blue, WHT: white, YEL: yellow, BRN: brown, SKY: skyblue
- When operating, don't shortcircuit the protection device (High Pressure switch)
- For connection wiring indoor-outdoor transmission F1-F2.
- ⊕ : Protective earth(screw) □ : Connector ½ : The wire quantity

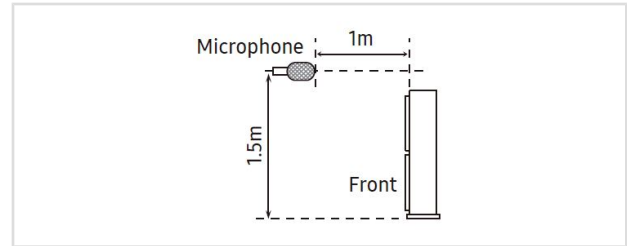
Sound Data

Outdoor Unit

Sound Pressure Level

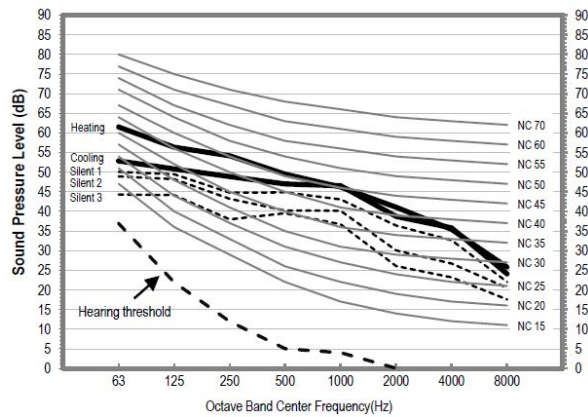
Unit : dB(A)

Model	Cooling	Silent1	Silent2	Silent3	Heating
VRD036S6M-5P	50.0	47.0	44.0	41.0	52.0
VRD048S6M-5P	51.0	49.0	47.0	44.0	53.0
VRD060S6M-5P	55.0	52.0	48.0	45.0	57.0

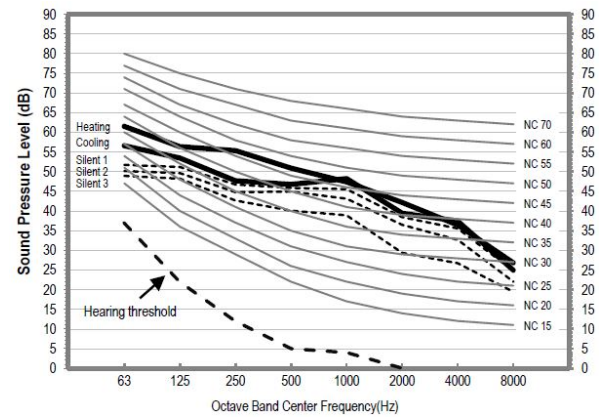


• NC CURVE

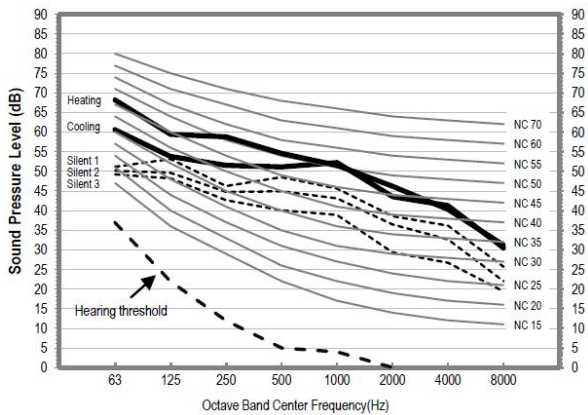
(1) VRD036S6M-5P



(2) VRD048S6M-5P



(3) VRD060S6M-5P



NOTE

- Specifications may be subject to change without prior notice.
- Sound pressure level is obtained in an anechoic room.
- Sound pressure level is a relative value, depending on the distance and acoustic environment.
- Sound pressure level may differ depending on operation condition.
- dB(A) = A-weighted sound pressure level
- Reference acoustic pressure 0 dB = 20μPa

Sound Data

Outdoor Unit

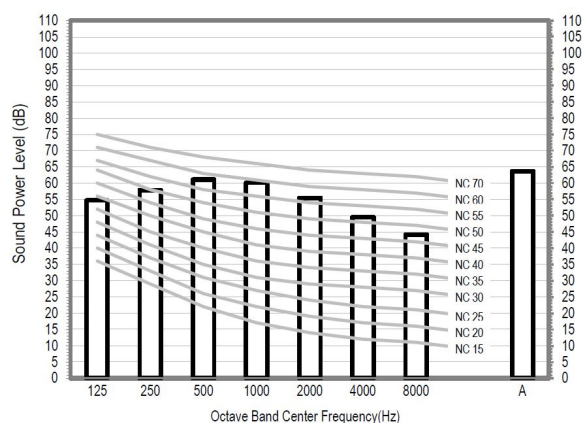
Sound Power Level

Unit : dB(A)

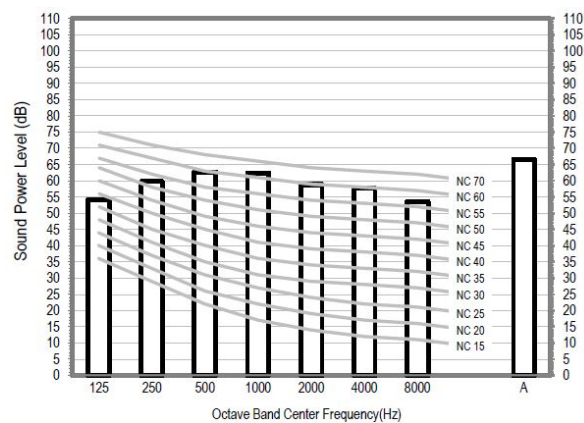
Model	Cooling
VRD036S6M-5P	66.0
VRD048S6M-5P	67.0
VRD060S6M-5P	73.0

• NC CURVE

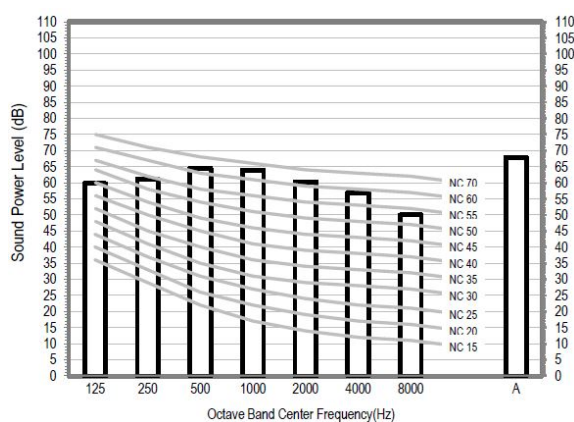
(1) VRD036S6M-5P



(2) VRD048S6M-5P



(3) VRD060S6M-5P



NOTE

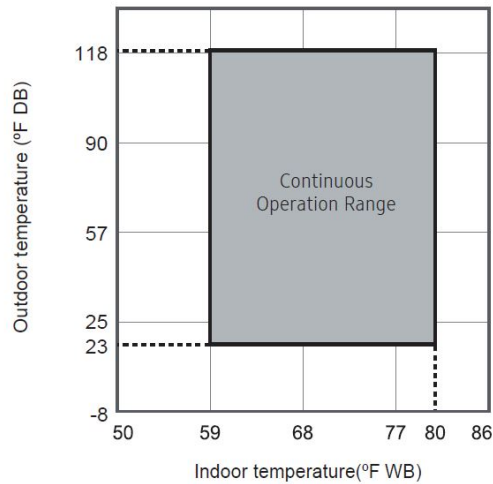
- Specifications may be subject to change without prior notice.
- Sound power level is an absolute value that a sound source generates.
- dBA = A-weighted sound power level.
- Reference power : 1pW.
- Measured according to ISO 3741.

Operation Range

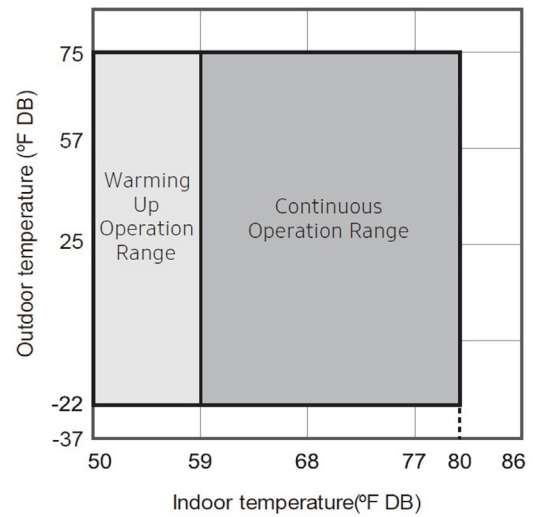
Outdoor Unit

• Cooling

Cooling



• Heating



NOTE

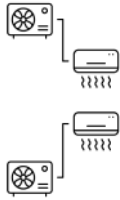
- (1) The operating range is shown in these figures
- (2) The assumed installation conditions are as follows
 - Outdoor units and indoor units combination
 - The Pipe length(including elbow) is 5m (16.4ft)
 - The Level difference is 0m
- (3) In case of heating mode, operating is possible under warming up operation range. However continuous operating is impossible due to a protection control

Capacity Correction

Outdoor Unit

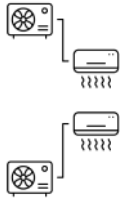
3 Ton

Cooling



		Piping length (ft)																		
		25.0	33.0	66.0	98.0	131.0	164.0	197.0	230.0	262.0	295.0	328.0	361.0	394.0	427.0	459.0	492.0	525.0	558.0	591.0
Level Difference (ft)	164.0	-	-	-	-	-	0.95	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.82
	131.0	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
	98.0	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
	66.0	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82
	33.0	-	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.83
	0	1.00	1.00	0.99	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.83
	-33.0	-	1.00	0.99	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83
	-66.0	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	-98.0	-	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83
	-131.0	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84

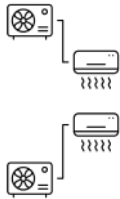
Heating



		Piping length (ft)																		
		25.0	33.0	66.0	98.0	131.0	164.0	197.0	230.0	262.0	295.0	328.0	361.0	394.0	427.0	459.0	492.0	525.0	558.0	591.0
Level Difference(ft)	164.0	-	-	-	-	-	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91
	131.0	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91
	98.0	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91
	66.0	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91
	33.0	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91
	0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91
	-33.0	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91
	-66.0	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91
	-98.0	-	-	-	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91
	-131.0	-	-	-	-	0.98	0.98	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91

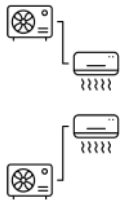
4 Ton

Cooling



		Piping length (ft)																		
		25.0	33.0	66.0	98.0	131.0	164.0	197.0	230.0	262.0	295.0	328.0	361.0	394.0	427.0	459.0	492.0	525.0	558.0	591.0
Level Difference (ft)	164.0	-	-	-	-	-	0.91	0.90	0.88	0.86	0.85	0.83	0.82	0.80	0.79	0.77	0.76	0.74	0.73	0.72
	131.0	-	-	-	-	0.93	0.92	0.90	0.88	0.86	0.85	0.83	0.82	0.80	0.79	0.77	0.76	0.75	0.73	0.72
	98.0	-	-	-	0.95	0.93	0.92	0.90	0.88	0.87	0.85	0.83	0.82	0.80	0.79	0.78	0.76	0.75	0.73	0.72
	66.0	-	-	0.97	0.95	0.94	0.92	0.90	0.88	0.87	0.85	0.84	0.82	0.81	0.79	0.78	0.76	0.75	0.74	0.72
	33.0	-	0.99	0.97	0.96	0.94	0.92	0.90	0.89	0.87	0.85	0.84	0.82	0.81	0.79	0.78	0.77	0.75	0.74	0.73
	0	1.00	1.00	0.98	0.96	0.94	0.92	0.90	0.89	0.87	0.86	0.84	0.83	0.81	0.80	0.78	0.77	0.75	0.74	0.73
	-33.0	-	1.00	0.98	0.96	0.94	0.92	0.91	0.89	0.87	0.86	0.84	0.83	0.81	0.80	0.78	0.77	0.76	0.74	0.73
	-66.0	-	-	0.98	0.96	0.94	0.92	0.91	0.89	0.87	0.86	0.84	0.83	0.81	0.80	0.79	0.77	0.76	0.74	0.73
	-98.0	-	-	-	0.96	0.94	0.93	0.91	0.89	0.88	0.86	0.85	0.83	0.82	0.80	0.79	0.77	0.76	0.75	0.73
	-131.0	-	-	-	-	0.95	0.93	0.91	0.89	0.88	0.86	0.85	0.83	0.82	0.80	0.79	0.78	0.76	0.75	0.74

Heating



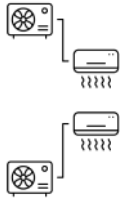
		Piping length (ft)																		
		25.0	33.0	66.0	98.0	131.0	164.0	197.0	230.0	262.0	295.0	328.0	361.0	394.0	427.0	459.0	492.0	525.0	558.0	591.0
Level Difference (ft)	164.0	-	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	131.0	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	98.0	-	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	66.0	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	33.0	-	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	0	1.00	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	-33.0	-	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	-66.0	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	-98.0	-	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	-131.0	-	-	-	-	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84

Capacity Correction

Outdoor Unit

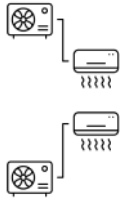
5 Ton

Cooling



		Piping length (ft)																		
		25.0	33.0	66.0	98.0	131.0	164.0	197.0	230.0	262.0	295.0	328.0	361.0	394.0	427.0	459.0	492.0	525.0	558.0	591.0
Level Difference (ft)	164.0	-	-	-	-	-	0.95	0.94	0.93	0.92	0.91	0.90	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.84
	131.0	-	-	-	-	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.85	0.84
	98.0	-	-	-	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85	0.84
	66.0	-	-	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84
	33.0	-	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	0.84
	0	1.00	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.86	0.85	0.85
	-33.0	-	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.85
	-66.0	-	-	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.86	0.85
	-98.0	-	-	-	0.98	0.97	0.96	0.95	0.94	0.93	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85
-131.0	-	-	-	-	0.97	0.96	0.95	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.88	0.87	0.86	0.85	

Heating



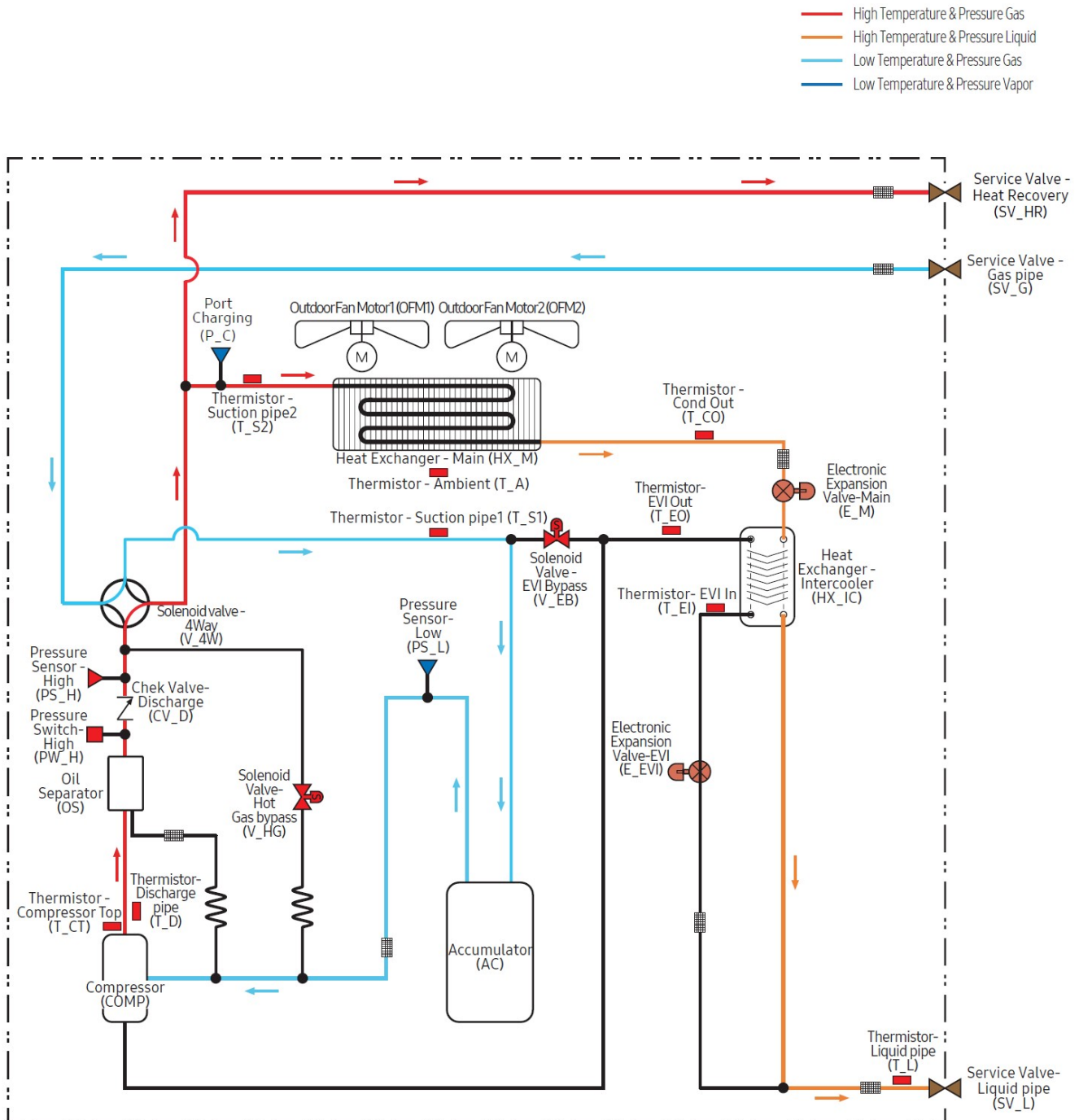
		Piping length (ft)																		
		25.0	33.0	66.0	98.0	131.0	164.0	197.0	230.0	262.0	295.0	328.0	361.0	394.0	427.0	459.0	492.0	525.0	558.0	591.0
Level Difference(ft)	164.0	-	-	-	-	-	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	131.0	-	-	-	-	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	98.0	-	-	-	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	66.0	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	33.0	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	0	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-33.0	-	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-66.0	-	-	0.99	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-98.0	-	-	-	0.99	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92
	-131.0	-	-	-	-	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92

Piping Diagram

Outdoor Unit

VRD036S6M-5P, VRD048S6M-5P, VRD060S6M-5P

• Cooling



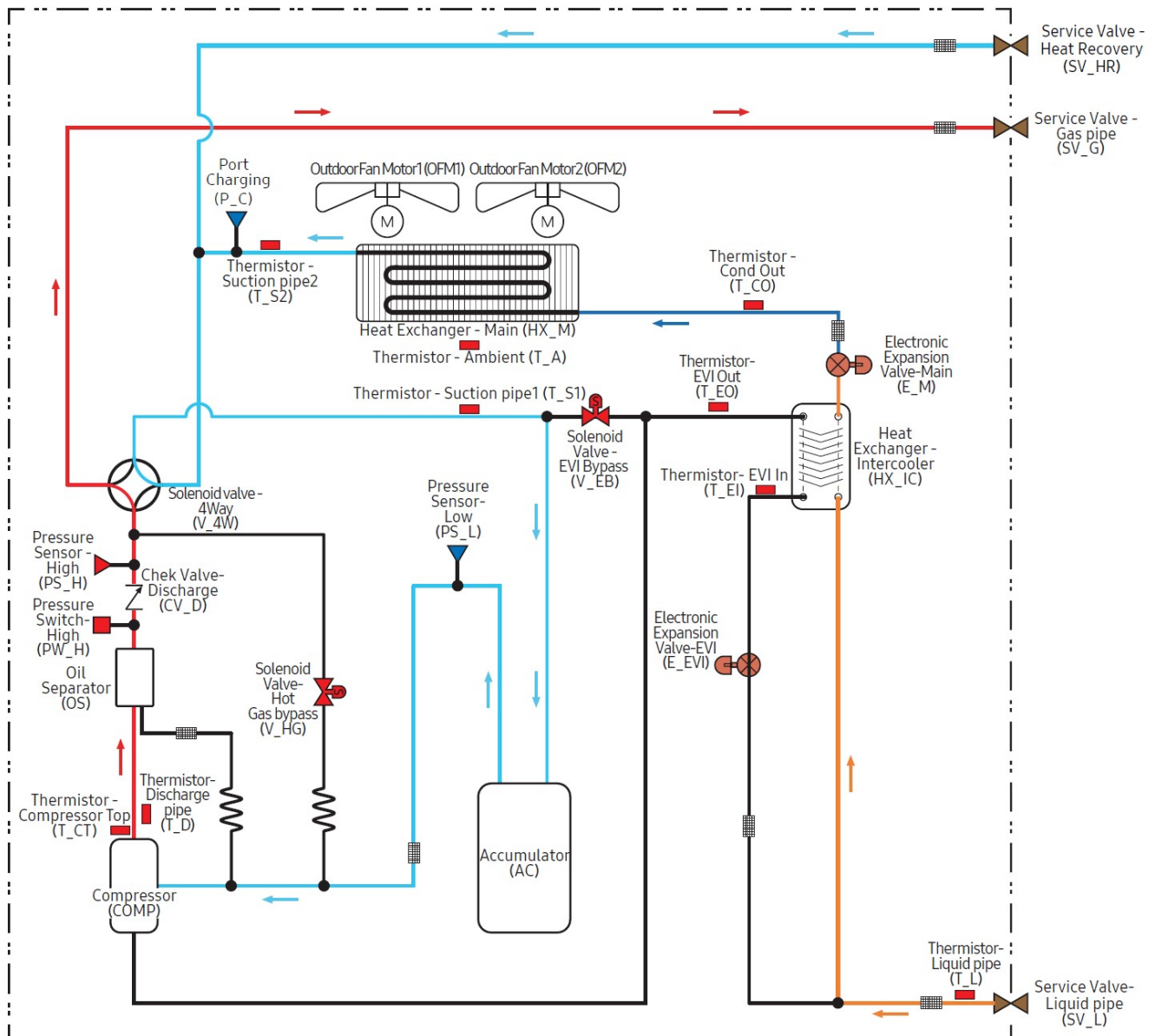
Piping Diagram

Outdoor Unit

VRD036S6M-5P, VRD048S6M-5P, VRD060S6M-5P

• Heating

- High Temperature & Pressure Gas
- High Temperature & Pressure Liquid
- Low Temperature & Pressure Gas
- Low Temperature & Pressure Vapor

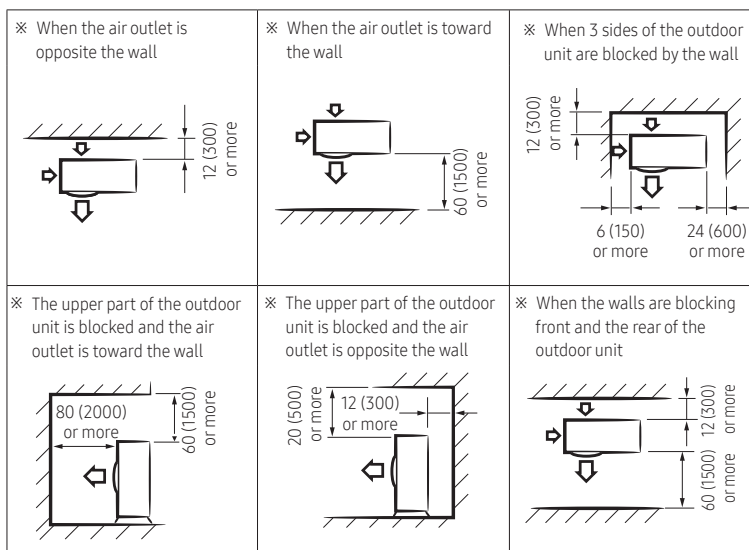


Installation Clearances

Choosing the installation location

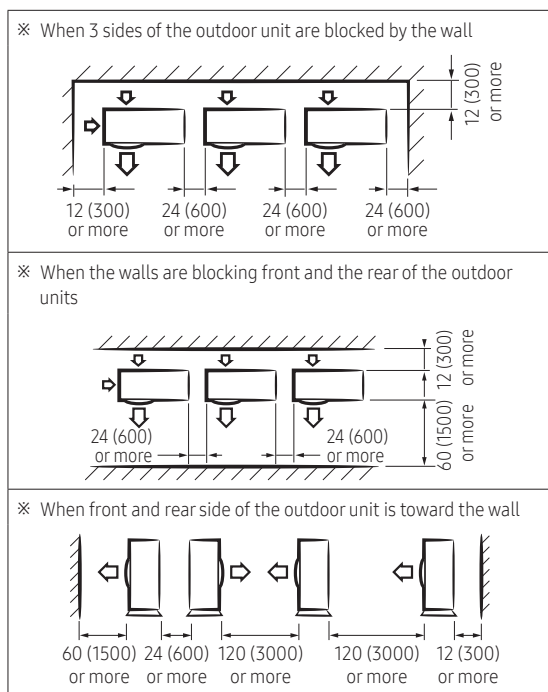
When installing 1 outdoor unit

Unit: inch (mm)



When installing more than 1 outdoor unit

Unit : inch (mm)



⚠ WARNING

- Should adopt bar type louver. Don't use a type of rain resistance louver.

[Bar type louver]

[Rain resistance louver]

- Louver specifications.
 - Angle criteria : less than 20°
 - Opening ratio criteria : greater than 80%



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NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

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