

42VDT-W Series

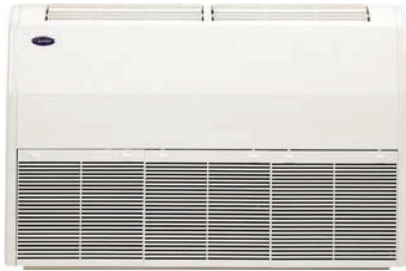
Floor/Ceiling Type

Chilled Water Coil

12,800-65,200 BTUH



42VDT-W Series



The new **42VDT-W Series**, flexible floor/ceiling type, offers concentrated high technology in an aesthetically pleasing design. Their broad operating range make them suitable for any applications; individual air conditioning of small shops, apartments, hotel, hospital or air conditioning of new office.



Remote Control
(Optional)

The remote control (*optional*) is very simple to use and controls all air conditioning functions.

Physical Data

Description		Chilled Water Coil Floor Ceiling Type								
Model	Indoor Unit	42VDT004W	42VDT006W	42VDT008W	42VDT010W	42VDT012W	42VDT014W	42VDT016W	42VDT020W	
Cooling Capacity	Btu/hr.	12,800	18,100	26,600	31,000	36,100	42,300	52,500	65,200	
Power Supply	V/Ph/Hz	220/1/50								
Power Input	watt.	90	108	126	153	211	252	252	306	
Running Current	amp.	0.41	0.49	0.59	0.69	0.97	1.18	1.18	1.39	
Indoor Air Circulation	cfm	400	600	800	1,000	1,200	1,400	1,600	2,000	
Indoor Sound Level (Hi/Med/Lo)	dB(A)	49/48/47	52/49/47	51/50/48	54/52/49	56/55/54	58/57/54	62/58/54	64/61/56	
Dimensions	Height	620								
	Width	670	870	970	1,270	1,570	1,670	1,770	2,170	
	Depth	250						270		
Net Weight	kg.	33	36	41	58	69	73	77	81	
Pipe Connecting	Water inlet	1/2								
	Water Outlet	1/2								
	Drain O.D.	3/4								

Performance Data

Model	EWT (F)	Water Temperature Rise (F)															
		6				8				10				12			
		TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD	TH	SH	GPM	PD
42VDT004W	40	19,661	12,713	6.52	32.06	18,300	12,111	4.55	16.91	16,895	11,505	3.37	9.88	15,434	10,891	2.56	6.09
	45	15,747	11,007	5.23	21.28	14,288	10,409	3.56	10.74	12,800	9,801	2.55	5.96	11,580	9,256	1.93	3.62
	50	11,541	9,298	3.84	12.08	10,402	8,771	2.60	6.04	9,424	8,295	1.88	3.43	8,439	7,824	1.40	2.05
42VDT006W	40	28,278	18,456	9.38	24.99	26,159	17,529	6.51	13.07	23,987	16,603	4.78	7.56	21,742	15,671	3.61	4.61
	45	22,545	15,984	7.49	16.47	20,292	15,068	5.06	8.22	18,100	14,162	3.61	4.53	16,368	13,363	2.72	2.76
	50	16,476	13,517	5.48	9.32	14,847	12,737	3.71	4.67	13,368	12,015	2.67	2.63	11,849	11,288	1.97	1.56
42VDT008W	40	39,213	24,950	13.01	36.14	36,909	23,910	9.19	19.48	34,474	22,836	6.87	11.63	31,882	21,720	5.29	7.33
	45	31,667	21,591	10.52	24.35	29,137	20,535	7.26	12.62	26,600	19,463	5.31	7.24	24,335	18,483	4.05	4.49
	50	23,603	18,242	7.86	14.26	21,486	17,332	5.36	7.27	19,427	16,444	3.88	4.11	17,630	15,583	2.94	2.52
42VDT010W	40	47,349	30,926	15.77	41.24	44,254	29,486	11.01	21.81	40,880	28,039	8.14	12.77	37,379	26,575	6.21	7.90
	45	37,890	26,816	12.64	27.35	34,539	25,388	8.61	13.86	31,000	23,943	6.18	7.72	28,106	22,642	4.67	4.72
	50	27,791	22,707	9.28	15.57	25,228	21,443	6.30	7.85	22,889	20,288	4.57	4.47	20,569	19,162	3.42	2.70
42VDT012W	40	56,279	36,667	18.67	22.67	52,111	34,840	12.97	11.91	47,833	33,011	9.53	6.91	43,407	31,170	7.21	4.23
	45	44,900	31,751	14.92	14.97	40,464	29,944	10.09	7.51	36,100	28,149	7.20	4.15	32,652	26,569	5.43	2.53
	50	32,819	26,842	10.92	8.49	29,582	25,302	7.39	4.27	26,663	23,877	5.33	2.41	23,672	22,450	3.94	1.45
42VDT014W	40	65,606	42,847	21.76	31.35	60,848	40,766	15.14	16.50	55,965	38,684	11.15	9.60	50,921	36,585	8.46	5.90
	45	52,367	37,141	17.40	20.72	47,305	35,084	11.79	10.42	42,300	33,026	8.44	5.78	38,323	31,202	6.37	3.53
	50	38,331	31,443	12.76	11.77	34,629	29,669	8.64	5.94	31,288	28,025	6.25	3.36	27,985	26,427	4.66	2.01
42VDT016W	40	78,204	50,600	25.94	55.04	73,185	48,392	18.21	29.38	67,921	46,132	13.53	17.35	62,610	43,844	10.40	10.89
	45	62,768	43,874	20.86	36.70	57,412	41,646	14.31	18.84	52,500	39,526	10.47	10.85	47,702	37,449	7.93	6.65
	50	46,776	37,239	15.57	21.49	42,270	35,276	10.55	10.83	38,364	33,364	7.66	6.17	34,812	31,489	5.80	3.78
42VDT020W	40	96,262	61,802	31.93	28.19	90,278	59,134	22.47	15.14	83,997	56,396	16.73	8.99	77,363	53,570	12.85	5.65
	45	77,477	53,538	25.75	18.90	70,966	50,847	17.69	9.75	65,200	48,345	13.01	5.67	59,419	45,913	9.88	3.50
	50	58,102	45,477	19.34	11.21	52,505	43,169	13.11	5.66	47,845	41,000	9.56	3.25	43,340	38,923	7.22	1.99

EWT (F) : Entering Water Temperature (F)
TH : Total Heat (BTUH)
SH : Sensible Heat (BTUH)
PD : Water Pressure Drop, ft.water

GPM : Water Flow Rate, Gallon per Minute

Note : Cooling capacity based on entering air temp. 80°F db/67°F wb and high fan speed

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