



40VQS Series

Chilled water coil 1-way cassette
14,400 - 45,390 BTUH

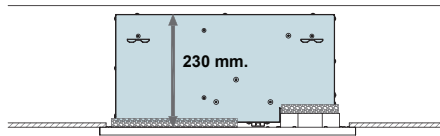


40VQS 1-Way Cassette type Series

Features ►

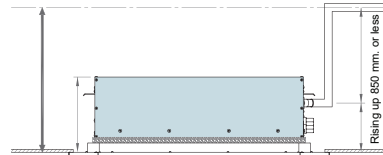


Compact design ultra slim body with a minimum of 230 mm. especially suitable for narrow ceiling places.



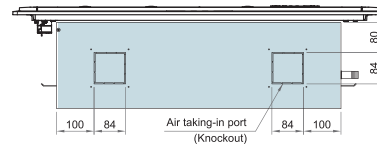
Model 12,000 Btu/Hr.

Standard built-in drain pump with 850mm. Pump head and slim body makes the installation free from limitation of story height.



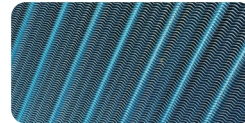
Housing construct made from galvanized steel, with the assembly easily removable from the basic unit.

Fresh air intake port for high quality air supply requirement, creates more comfort and healthy environment.



Blue fin with Epoxy and Hydrophilic coating

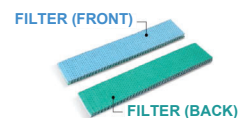
- Prevents dirt from sticking to the fins
- Condensation water flows and water away dirt
- Anti-corrosion caused by oxidation
- Increases the efficiency of heat exchanger



Controller standard and optional



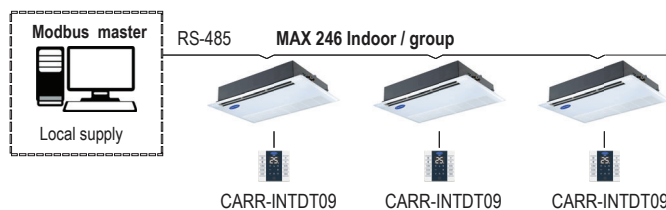
IAQ Filter Model TCB-ACFC1CPE (Option)



BAS controller (Option)

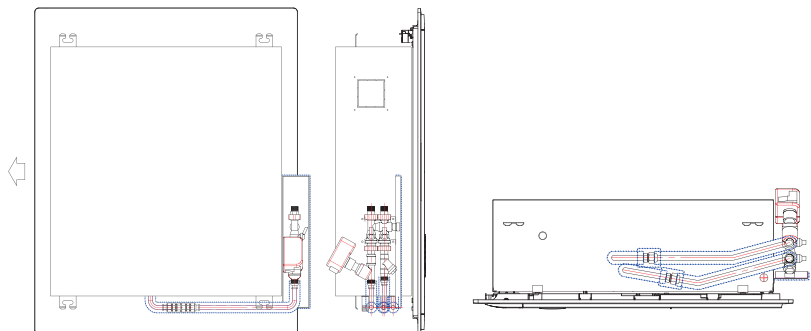
Model CARR-INTM9DT09X

- Open communication protocol Modbus RS-485
- Manages the DC motor or EC motor
- Manages the valve actuator proportional type
- External contract for key card ON-OFF



Built in PICV (Option)

Factory assembled nest of valves and accessories help installers avoid installation mistakes onsite.





The perfect choice for Lobby small size, meeting room, hotels and reception areas.

Special Feature

- Auto swing mechanism guarantees even distribution of air flow and better balance of room temperature SWING MODE with vertical supply grille ensures coolness throughout the room. Easily to maintenance.
- Adjustable Fan Speed with AUTO FAN cools down the room quickly. MICROPROCESSOR enables precise temperature control up to 1 degree Celsius.
- TIME DELAY, installed safety protection system, protects and prolongs usage life of compressor by delaying it for 3 minutes before restarting.
- New slim design and new color make 40VQS blended to your decor of any room. Durable anti-rust casing helps the unit last longer.
- Washable filter enhances Indoor Air Quality.

Specification

Specification (รายละเอียดของเครื่อง)		Chilled Water Coil - 1 Way Cassette type					
Model Name (ชื่อรุ่น)	Indoor (เครื่องภายใน)	40VQS					
		012W	018W	024W	030W	036W	040W
Cooling Capacity (ความสามารถในการทำความเย็น)	Btu/hr.	14,400	20,800	26,100	32,720	39,560	45,390
Power Consumption (กำลังไฟฟ้า)	W	63	86	130	175	200	340
Power Supply (ระบบไฟฟ้า)	V / Ph / Hz	220 / 1 / 50					
Operating Current (กระแสไฟฟ้า)	Amp.	0.30	0.40	0.59	0.80	0.92	1.63
Motor Power	hp	1/30	1/19	1/11	1/9	1/7	1/5
Indoor Air Circulation , Max. (ปริมาณลมหมุนเวียน)	m3/h	680	1,020	1,360	1,700	2,040	2,380
	CFM	400	600	800	1,000	1,200	1,400
Net Weight (น้ำหนักเครื่อง)	Front Grill Panel	kg.	6	6	8	8	10
	Housing	kg.	25	27	34	39	55
Connecting Pipe - Indoor (ขนาดท่อที่ใช้)	Water Inlet (FPT)	inch	1/2"	1/2"	1/2"	1/2"	1/2"
	Water Outlet (FPT)	inch	1/2"	1/2"	1/2"	1/2"	1/2"
	Drain O.D. (ท่อน้ำทิ้ง)	inch	3/4"	3/4"	3/4"	3/4"	3/4"

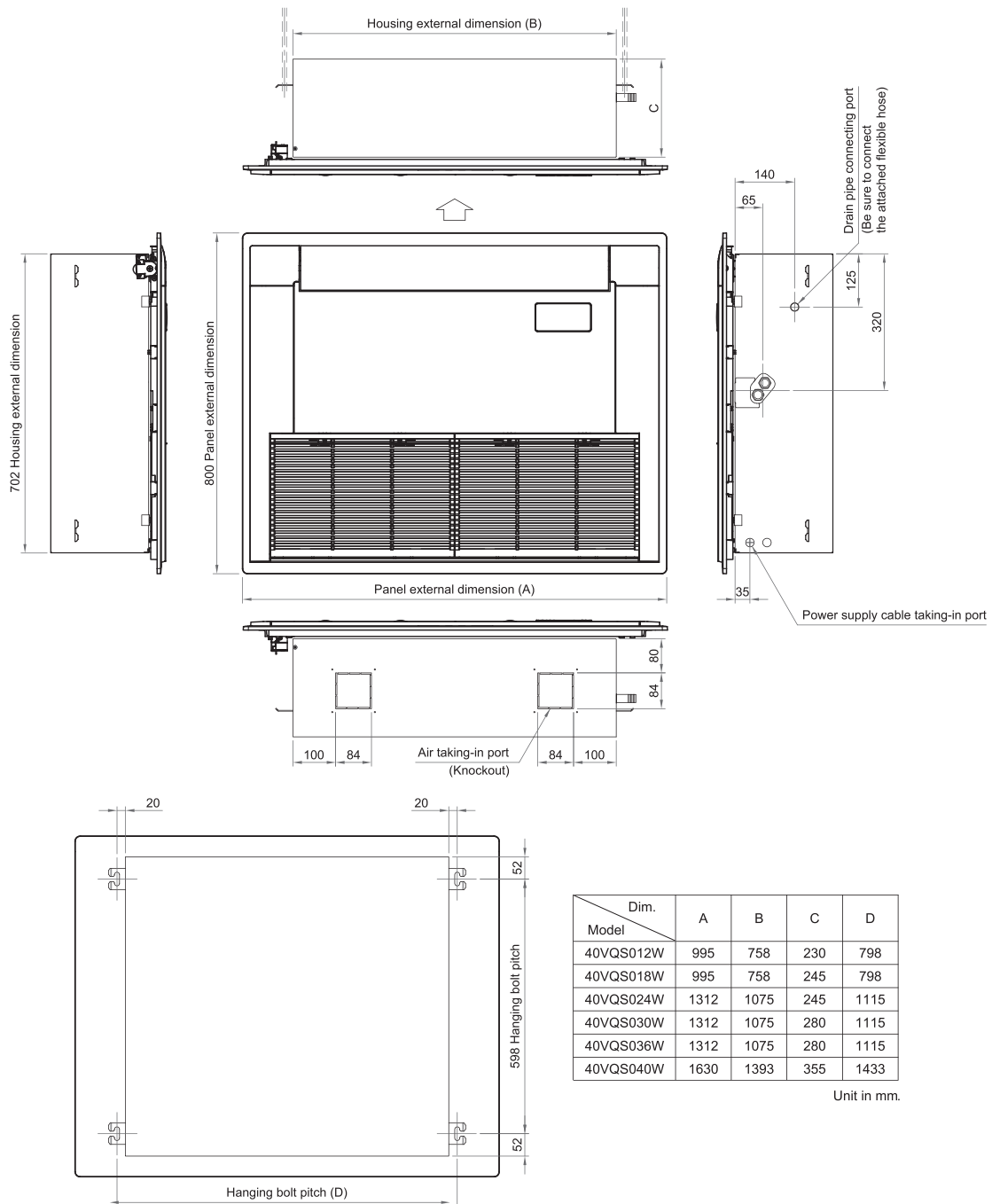
Remark : Cooling capacity based on Entering Air Temp 80 ° Fdb / 67 ° Fwb , Chilled Water Inlet/Outlet 44/54 ° F , Max air flowrate

Performance data

Model	Entering Chilled Water Temp. F	Entering Air Temp (Fdb / Fwb)															
		76 / 63				78 / 65				80 / 67				82 / 69			
		Total Capacity	Sensible Capacity	Chilled Water Flowrate	Water Pressure Drop	Total Capacity	Sensible Capacity	Chilled Water Flowrate	Water Pressure Drop	Total Capacity	Sensible Capacity	Chilled Water Flowrate	Water Pressure Drop	Total Capacity	Sensible Capacity	Chilled Water Flowrate	Water Pressure Drop
40VQS012W	40	13,200	10,200	2.63	10.80	15,300	10,900	3.05	13.70	17,500	11,600	3.49	17.60	19,800	12,300	3.95	21.60
	45	10,100	8,800	2.02	6.60	11,600	9,300	2.32	8.60	13,400	9,900	2.68	11.10	15,800	10,600	3.14	14.50
	50	7,400	7,300	1.47	4.00	8,500	7,900	1.70	5.10	10,000	8,400	2.00	6.50	11,600	9,000	2.32	8.60
40VQS018W	40	19,100	14,900	3.81	11.80	22,100	15,900	4.40	15.20	25,300	16,900	5.04	19.20	28,700	17,900	5.71	24.00
	45	14,600	12,800	2.91	7.30	16,800	13,600	3.34	9.40	19,400	14,400	3.88	12.10	22,700	15,400	4.52	16.00
	50	10,700	10,700	2.13	4.30	12,200	11,400	2.44	5.50	14,400	12,300	2.87	7.20	16,700	13,100	3.34	9.40
40VQS024W	40	24,100	19,100	4.79	10.80	27,800	20,300	5.54	13.90	31,900	21,500	6.35	17.70	36,200	22,800	7.20	22.00
	45	18,400	16,300	3.67	6.80	21,100	17,400	4.20	8.60	24,200	18,400	4.84	10.90	28,500	19,700	5.69	14.60
	50	13,600	13,600	2.72	4.00	15,400	14,600	3.07	4.90	18,100	15,700	3.62	6.60	21,000	16,700	4.19	8.50
40VQS030W	40	30,800	24,400	6.13	6.00	35,200	25,800	7.01	7.60	40,300	27,400	8.03	9.60	45,800	29,100	9.13	12.10
	45	23,100	20,700	4.61	3.70	26,700	22,100	5.34	4.70	31,100	23,500	6.21	6.10	36,000	25,000	7.17	7.90
	50	17,000	17,000	3.40	2.10	19,500	18,500	3.89	2.70	22,800	20,000	4.55	3.60	26,700	21,300	5.32	4.70
40VQS036W	40	37,200	29,400	7.41	7.10	42,800	31,200	8.53	9.10	48,800	33,100	9.72	11.50	55,500	35,100	11.05	14.30
	45	28,000	25,000	5.59	4.40	32,500	26,700	6.48	5.60	37,600	28,400	7.51	7.30	43,700	30,200	8.71	9.50
	50	20,600	20,600	4.12	2.50	23,700	22,400	4.74	3.30	27,600	24,000	5.52	4.30	32,300	25,700	6.46	5.60
40VQS040W	40	42,800	34,000	8.52	6.00	49,100	36,000	9.78	7.70	56,200	38,300	11.19	9.70	63,800	40,500	12.71	12.20
	45	32,100	28,900	6.41	3.70	37,300	30,800	7.45	4.80	43,200	32,800	8.61	6.20	50,200	34,900	10.02	8.00
	50	23,700	23,700	4.74	2.10	27,300	25,900	5.45	2.80	31,600	27,800	6.31	3.60	37,200	29,700	7.43	4.80

Unit Dimensions

40VQS012W-040W



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