



40QBS-W Series

Chilled Water Cool-Floor Standing

39,000 - 75,000 BTUH

40QDS-W Series

Chilled Water Fan Coil Unit

90,600 - 221,000 BTUH

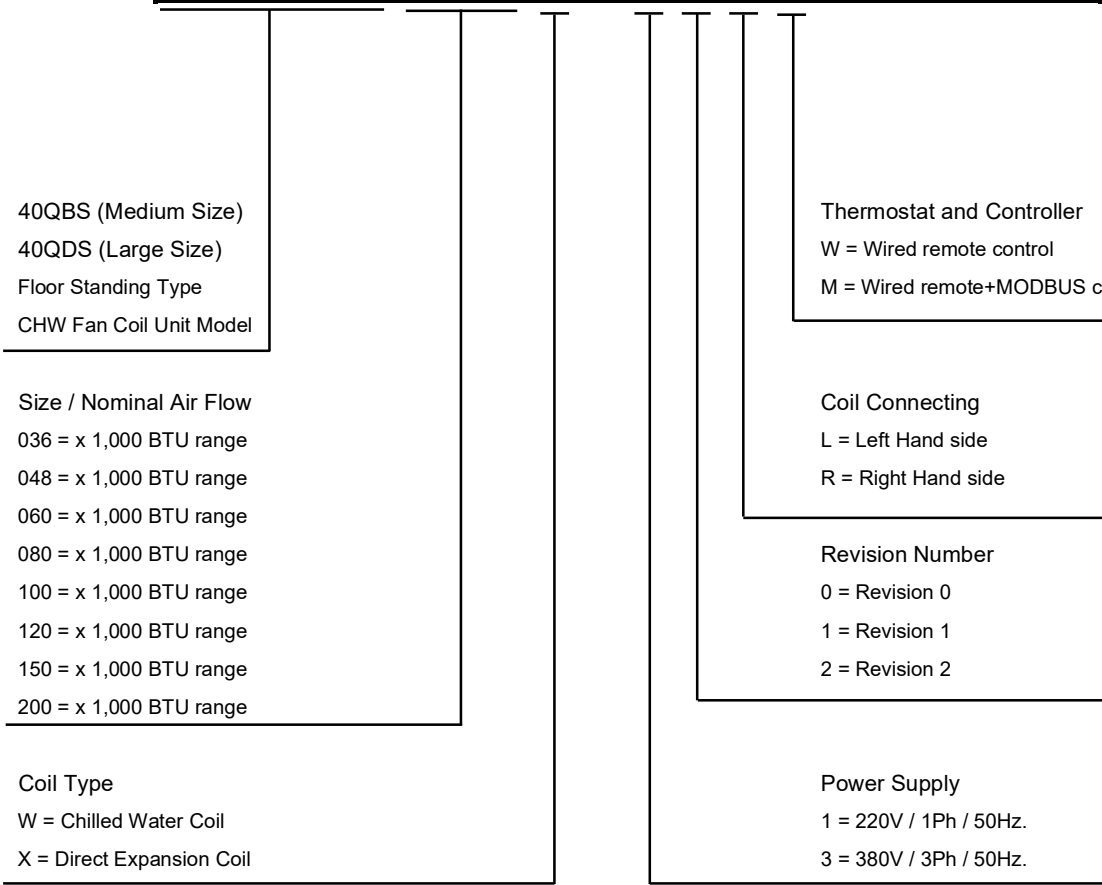


World's No.1 Air Conditioning Expert

www.carrier.co.th

Number Nomenclature

1	2	3	4	5	6	7	8	9	10	11	12	13	14	Digit Number
4	0	Q	B	S	0	3	6	W	-	1	1	R	W	Standard Unit



Vertical louver / Swing

Change the direction of air with swing operation.

Horizontal louver / Air discharge

The air discharge direction can be changed.

Air intake grille

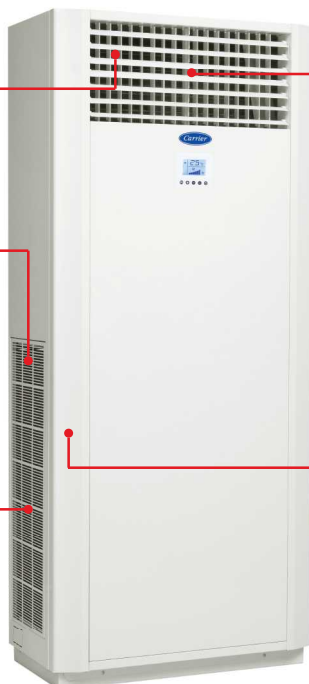
The air in the room is sucked in from this port of both side (left-right)

Air filter

Filters out dust. (Behind the Air intake grille)

Earth screw

Inside the Electrical box.



Specification

Description		Chilled Water Coil - Floor / Ceiling Type								
Model Name		40QBS			40QDS					
		036W	048W	060W	080W	100W	120W	150W	200W	
Cooling Capacity	W	11,780	15,240	22,570	26,760	33,440	41,530	49,000	67,730	
	Btu/hr.	40,200	52,000	77,000	91,300	114,100	141,700	167,200	231,100	
Power Supply	V/Ph/Hz	220V / 1Ph / 50Hz.								
Power Consumption	W	316	370		440	752	804	1520	1828	
Operating Current	Amp.	1.48	1.68		2.10	3.50	3.70	7.00	8.40	
Indoor Air Circulation, Max.	m ³ /h	2,040	2,720	3,400	4,420	5,100	6,800	8,500	10,190	
	cfm	1,200	1,600	2,000	2,600	3,000	4,000	5,000	6,000	
Standard Face Velocity	fpm	277	323	376	385	415	437	500	488	
Fan Motor	Type	AC Motor / (BLDC Motor with optional)								
	Q'ty	2	2	2	2	2	1	2	2	
Blower	Type	Double Inlet Centrifugal-Forward Curve Blade								
	Dia. x Length	mm	152 x 162	164 x 201		187 x 201		270 x 262		317 x 323
	Drive type	Direct								
	Q'ty		4	4	4	4	4	2	2	2
Heat Exchanger	Face Area	Sq.m	0.40	0.46	0.49	0.63	0.67	0.85	0.93	1.14
		Sq.ft	4.33	4.96	5.31	6.75	7.23	9.16	10.01	12.30
	Row									
	Tube size / type	Copper tube 9.52 mm / Smooth				Copper tube 7.00 mm / Smooth				
	Fin per Inch / Material type		20	20	18	16		16	16	14
Fin Material type	Aluminium (Blue) Fin type									
Unit Dimension	Height	mm	1,800							
	Width	mm	690	780		900		1,100	1,200	1,450
	Depth	mm	330	390		420		470		555
Net Weight	kg	69	89	92	95	100	130	145	195	
Connecting Pipe	Water Inlet	inch	1/2			1-1/8			1-3/8	
	Water Outlet	inch	1/2			1-1/8			1-3/8	
	Water connecting type	Flair nut (Female Pipe Thread)				Brazing				
	Drain O.D.	inch	3/4							

Note : Nominal capacity are base on air entering temp. 80 degree Fwb / 67 degree Fdb ,
Entering/Leaving water temp. 44/54 degree F at maximum air flow.

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
btu/h	btu/h	gpm	ft.wg.	btu/h	btu/h	gpm	ft.wg.	btu/h	btu/h	gpm	ft.wg.	btu/h	btu/h	gpm	ft.wg.		
40QBS036W	40	37,500	29,600	7.48	8.4	43,300	31,400	8.63	10.8	49,700	33,500	9.91	13.8	56,400	35,500	11.24	17.2
	45	28,900	25,500	5.76	5.2	33,000	27,000	6.59	6.6	38,100	28,600	7.59	8.4	44,400	30,500	8.86	11.1
	50	21,300	21,300	4.26	3.0	24,100	22,800	4.82	3.7	28,400	24,500	5.68	5.0	32,900	26,000	6.57	6.4
40QBS048W	40	48,600	38,400	9.68	14.7	56,000	40,700	11.16	18.9	64,200	43,300	12.79	24.0	72,700	45,800	14.49	30.0
	45	37,400	33,100	7.45	9.1	42,700	35,100	8.53	11.5	49,200	37,100	9.82	14.8	57,400	39,500	11.44	19.4
	50	27,700	27,700	5.53	5.3	31,300	29,600	6.25	6.6	36,800	31,800	7.35	8.7	42,600	33,800	8.50	11.3
40QBS060W	40	71,900	54,500	14.33	12.9	82,300	57,900	16.40	16.3	93,900	61,600	18.71	20.6	106,000	65,300	21.11	25.5
	45	54,200	46,300	10.80	7.7	63,200	49,500	12.61	10.1	73,000	52,600	14.55	13.0	84,500	56,100	16.85	16.8
	50	39,600	38,900	7.91	4.4	45,900	41,700	9.17	5.7	53,600	44,500	10.70	7.4	63,300	47,600	12.63	9.9
40QDS080W	40	86,200	67,300	17.17	8.1	97,200	70,600	19.36	10.0	111,000	74,900	22.12	12.6	125,800	79,300	25.07	15.7
	45	64,800	57,300	12.93	4.8	75,400	61,000	15.04	6.3	86,400	64,500	17.23	8.0	99,300	68,300	19.81	10.2
	50	48,500	48,300	9.68	2.9	55,700	51,900	11.12	3.7	63,900	55,000	12.76	4.6	75,100	58,700	15.01	6.1
40QDS100W	40	107,400	81,800	21.38	13.7	122,100	86,500	24.32	17.1	139,000	91,800	27.69	21.5	157,100	97,300	31.29	26.7
	45	81,700	70,000	16.30	8.4	94,900	74,600	18.94	10.8	108,800	78,900	21.71	13.8	125,000	83,700	24.95	17.5
	50	60,300	59,100	12.04	4.8	69,700	63,500	13.93	6.2	80,800	67,200	16.13	8.0	94,900	71,700	18.95	10.6
40QDS120W	40	132,600	103,200	26.42	12.9	150,900	109,100	30.05	16.1	171,300	115,400	34.12	20.1	194,200	122,200	38.67	25.1
	45	101,300	88,800	20.21	7.9	116,200	93,800	23.18	10.0	134,100	99,600	26.75	12.9	153,900	105,500	30.71	16.4
	50	75,200	74,400	15.03	4.6	85,800	79,700	17.14	5.8	99,700	85,200	19.92	7.6	115,800	90,200	23.13	9.8
40QDS150W	40	158,100	124,900	31.50	14.0	179,600	131,600	35.78	17.5	204,300	139,300	40.70	21.9	230,900	147,000	46.00	27.1
	45	120,000	106,800	23.95	8.5	138,700	113,700	27.67	10.9	158,900	120,100	31.71	13.8	183,100	127,300	36.53	17.7
	50	89,800	89,300	17.94	5.0	102,800	96,700	20.53	6.4	118,100	102,600	23.60	8.1	137,900	109,400	27.55	10.6
40QDS200W	40	218,600	165,000	43.54	13.4	246,400	173,600	49.08	16.5	280,800	184,400	55.93	20.7	316,500	195,100	63.04	25.5
	45	166,400	141,300	33.20	8.2	191,700	149,400	38.25	10.5	221,700	159,100	44.23	13.5	252,600	168,000	50.39	16.9
	50	122,800	119,200	24.52	4.7	140,600	126,900	28.09	6.0	164,500	135,500	32.85	7.9	192,000	143,700	38.36	10.3

Note : Water Temperature Rise 10°F
 TH = Total capacity (BHU/Hr)
 SH = Sensible capacity (BHU/Hr)
 GPM = Coolant mass flow rate (GPM)
 PSI = Coolant pressure drop (PSI)

40QBS-W Series



The latest innovation from the world leader in air conditioning, Carrier, introduces the all-new floor standing air conditioner for chilled water systems. The floor standing air conditioner, millennium design, inside and out, will provide you with cool comfort via a variety of control functions.



CARR-INTLCD54
(Option)



CARR-INTDT10



CARR-INTDT10 WiFi
(Option)

ELECTRONIC THERMOSTAT

Standard supplied with new, user friendly, large LCD display CONTROL PANEL easy to read the temperature from distance or even in the dark.

Lorem ipsum

Special features

- 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.
- New slim design and new color make 40QBS blended to your decor of any room. Durable anti-rust casing helps the unit last longer.
- Washable filter enhances Indoor Air Quality.

Fan coils for easy, low cost installation

- Easy wiring and piping connections.
- No hanging, can be pasted to the floor immediately.
- Saving space for installation.
- Ideal for new construction or renovation.

Blue fin with Epoxy and Hydrophilic coating

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

Save you service and maintenance expense

- Insulated drain pan
- Easy access to components
- Rugged construction
- Factory leak test
- Long-life, heavy-duty bearings



Accessories (Optional)

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

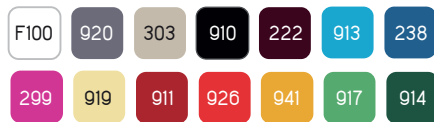


CARR-INTM9DT09X
(Option)



Acrylic Front Panel (Option)

The front panel can change the acrylic color for your design



Ionizer kit (Option)

Value added feature with ionizer technology to purify the air (eliminating virus, bacteria, PM 2.5 particles and smell reduction)



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