Carrier

CHILLED WATER COIL-CASSETTE TYPE

40VNS-W Series

19,900-67,800 BTU/H

ISO 9001 SGS ISO 14001 SGS THAILAND EMS 001 Green Industry กระทรวงอุตสาหกรรม 3 Made in Thailand

www.carrier.co.th

Model number Nomenclature

40VNS 018 W - 1 0 F R

- R = Wireless Remote, W = Wired Remote
- F = Factory Standard, S = Special Product
- 0 = AC Motor , 1 = AC Motor with VSD, 2 = DC Motor
- 1 = 220V./ 1Ph / 50Hz., 3 = 380V./ 3Ph / 50Hz.
- W = Chilled Water Coil
- Unit Size
  - 018 = 18,000 Btu/h
  - 024 = 24,000 Btu/h
  - 036 = 36,000 Btu/h
  - 048 = 48,000 Btu/h
  - 060 = 60,000 Btu/h
- Fan coil unit Series

Features

Motor and Fan

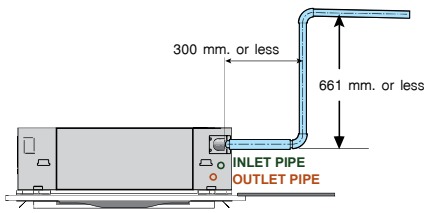
- Optimized designed centrifugal fan design High efficiency.
- Quiet running with anti-vibration pads of motor.

Coil blue fin

Blue fin with Epoxy and Hydrophilic coating Prevents dirt from sticking to the fins.

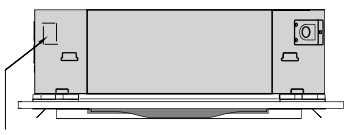
Built-in drain pump

Unit complete with built in high lift drain pump. (Rising up to 661 mm. or less)



Fresh air

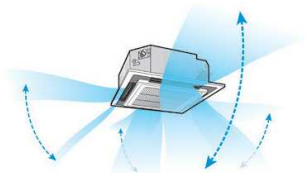
Fresh air intake port for high quality air supply requirement, creates more comfort and healthy environment.



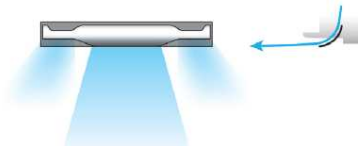
For fresh air (knockout)

Swing operation

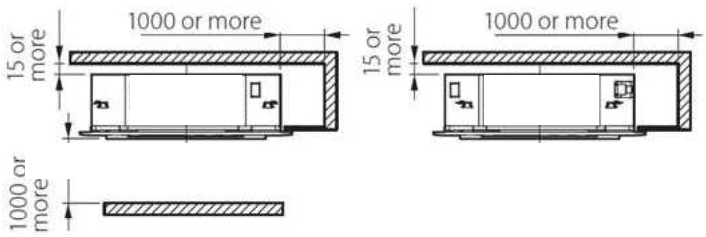
Unform air distribution in room for better comfort through 4 louvers.



The wide air flow in all direction



Space required for installation and servicing

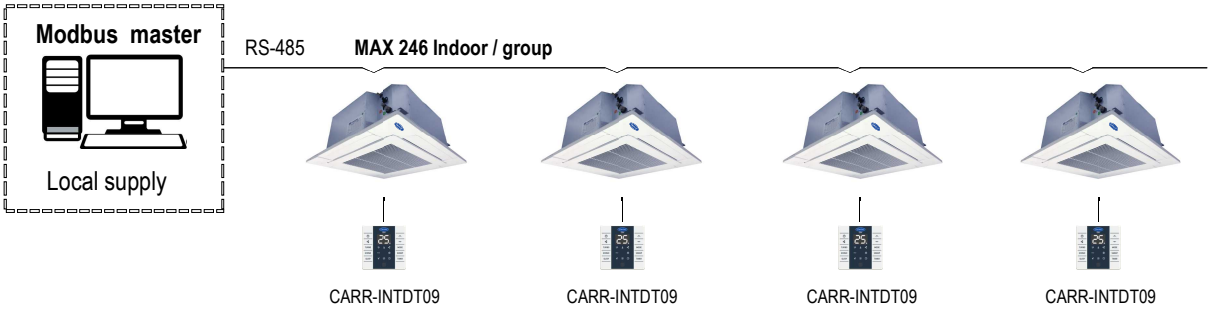


Accessories (Optional)

BAS controller (Option)

Model CARR-INTM9DT09X

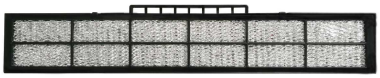
- Open communication protocol Modbus RS-485
- Manages the valve actuator proportional type
- Manages the DC motor or EC motor
- External contract for key card ON-OFF



Nano Silver Titanium Filter Technology (Option)

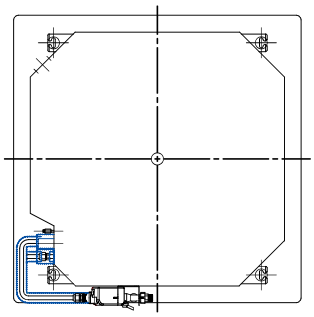
Ag-TiO2 Properties

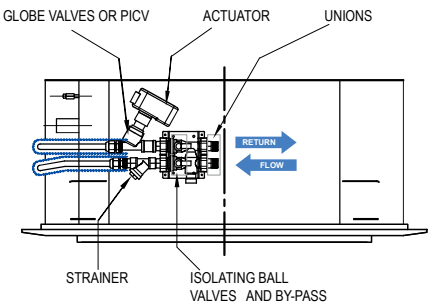
- Get rid of bad odor
- Non UV active
- Self bacteria killed, anti-virus and fungi
- Nano coating filter
- Environmentally friendly



Built in PICV (Option)

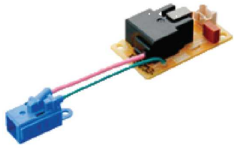
Factory assembled nest of valves and accessories help installers avoid installation mistakes onsite.





Ionizer kit (Option)

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



40VNS-W Series CHILLED WATER COIL-CASSETTE TYPE AIR CONDITION

▶ 4 Way Air flow

ลมเย็นเป่ากระจายออกทั้ง 4 ทิศทาง
พร้อมบานสวิงปรับระดับกระจายลม
ให้ทั่วถึงทุกมุมห้องโดยอัตโนมัติ เพื่อ
ความเย็นสบาย ตามที่คุณต้องการ

Wireless
Remote Control
(Standard)

CARR-INTDT0A
(Option)

CARR-INTDT09
(Option)

CARR-INTDT09-WiFi
(Option)

Specification (รายละเอียดของเครื่อง)			Chilled Water Coil - 4Way Cassette Type (ฝังฝ้า 4 ทิศทาง)				
Model Name(ชื่อรุ่น)	Indoor (เครื่องภายใน)		40VNS				
			018W	024W	036W	048W	060W
Cooling Capacity (ความสามารถในการทำความเย็น)		W	5,832	9,056	12,192	15,123	19,871
		Btu/hr.	19,900	30,900	41,600	51,600	67,800
Power Supply (ระบบไฟฟ้า)		V/Ph/Hz	220/1/50				
Power Consumption (กำลังไฟฟ้า)		W	62	66	150	160	252
Operating Current (กระแสไฟฟ้า)		Amp.	0.30	0.32	0.73	0.77	1.16
Indoor Air Circulation, Max.		m^3/h	1,360	1,360	2,040	2,380	2,720
(ปริมาณลมหมุนเวียน)		cfm	800	800	1,200	1,400	1,600
Sound Pressure Level (ระดับ	(Turbo/H/M/L)	dBA	35/32/28/25	40/35/30/26	49/47/40/35	49/47/41/36	56/52/47/41
Dimension - Indoor unit	Front Grill Panel	mm.	30 x 950 x 950				
(ขนาดของเครื่อง)	Ceiling Open	mm.	880 x 880				
Height x Width x Depth	Housing	mm.	285 x 840 x 840			335 x 840 x 840	
Net Weight (น้ำหนักเครื่อง)	Front Grill Panel	kg.	4	4	4	4	4
	Housing	kg.	30	35	36	39	41
Connecting Pipe - Indoor	Water Inlet (FPT)	inch	1/2	1/2	1/2	1/2	1/2
(ขนาดท่อที่ใช้)	Water Outlet (FPT)	inch	1/2	1/2	1/2	1/2	1/2
	Drain O.D. (ท่อน้ำทิ้ง)	mm.	32	32	32	32	32

Remark : 1.) FPT = Female Water Pipe Thread
2.) Nominal capacity are base on air entering temp. 80 degree°Fwb / 67 degree°Fdb , Entering/Leaving water temp. 44/54 degree°F, at max air flow rate

Performance Data

Model	Entering Water Temperature (°F)	Entering Air Temperature (°F db/ °F wb)															
		76/63				78/65				80/67				82/69			
		TH	SH	GPM	FT.WG	TH	SH	GPM	FT.WG	TH	SH	GPM	FT.WG	TH	SH	GPM	FT.WG
40VNS018W	40	18,400	15,700	3.67	11.83	21,600	16,700	4.31	15.64	24,900	17,700	4.97	20.12	28,400	18,700	5.66	25.31
	45	13,500	13,100	2.69	6.74	15,600	14,100	3.11	8.68	18,600	15,200	3.71	11.80	22,000	16,200	4.39	15.88
	50	10,300	10,300	2.06	4.17	11,500	11,500	2.30	5.04	13,100	12,600	2.62	6.33	15,400	13,600	3.08	8.35
40VNS024W	40	28,600	21,500	5.69	7.94	33,000	23,000	6.57	10.22	37,600	24,500	7.49	12.85	42,400	25,900	8.45	15.86
	45	20,700	17,800	4.13	4.46	24,400	19,200	4.86	5.91	29,100	20,800	5.81	8.07	34,000	22,300	6.78	10.55
	50	14,600	14,600	2.92	2.40	17,300	15,900	3.46	3.22	20,500	17,100	4.09	4.29	24,400	18,500	4.88	5.82
40VNS036W	40	38,500	29,900	7.67	13.36	44,600	31,900	8.89	17.31	51,000	33,900	10.16	21.87	57,600	35,900	11.48	27.11
	45	27,900	24,700	5.58	7.50	32,800	26,600	6.54	9.91	39,100	28,900	7.81	13.51	45,800	30,900	9.13	17.78
	50	19,800	19,800	3.95	4.05	23,300	22,100	4.66	5.39	27,500	23,700	5.50	7.18	32,700	25,700	6.54	9.70
40VNS048W	40	47,700	36,600	9.51	13.18	55,300	39,100	11.02	17.05	63,200	41,600	12.58	21.52	71,300	44,000	14.21	26.65
	45	34,800	30,300	6.95	7.46	40,800	32,700	8.14	9.84	48,600	35,400	9.70	13.36	56,800	37,900	11.33	17.56
	50	24,600	24,600	4.91	4.00	29,100	27,200	5.82	5.37	34,300	29,100	6.86	7.16	40,800	31,400	8.15	9.65
40VNS060W	40	62,800	46,300	12.51	13.01	72,100	49,400	14.37	16.58	82,000	52,600	16.33	20.75	92,300	55,800	18.38	25.53
	45	46,300	38,600	9.24	7.51	54,300	41,400	10.84	9.92	64,100	44,700	12.80	13.25	74,300	47,900	14.82	17.13
	50	32,700	31,700	6.53	4.04	38,500	34,300	7.69	5.35	46,000	37,000	9.18	7.28	54,600	39,800	10.90	9.82

Note : Water Temperature Rise 10°F

◀ Front Grill Panel
Model 40TG-00L--10FR

◀ Front Grill Panel (Option)
Model 40TG-00L--10FRB

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