

CONCEALED DUCTED (HIGH STATIC PRESSURE)

40VD-H-8S-TST



Delivering airflows up to 4,800m³/h, this is Carrier's most powerful ducted unit with an external static pressure up to 250Pa.

CAPACITY

2HP-10HP

SOUND PRESSURE LEVEL

31dB(A)

LOCAL CONTROLS



40VCIO--8-TEE



40VCW56-8-JEE

Specifications

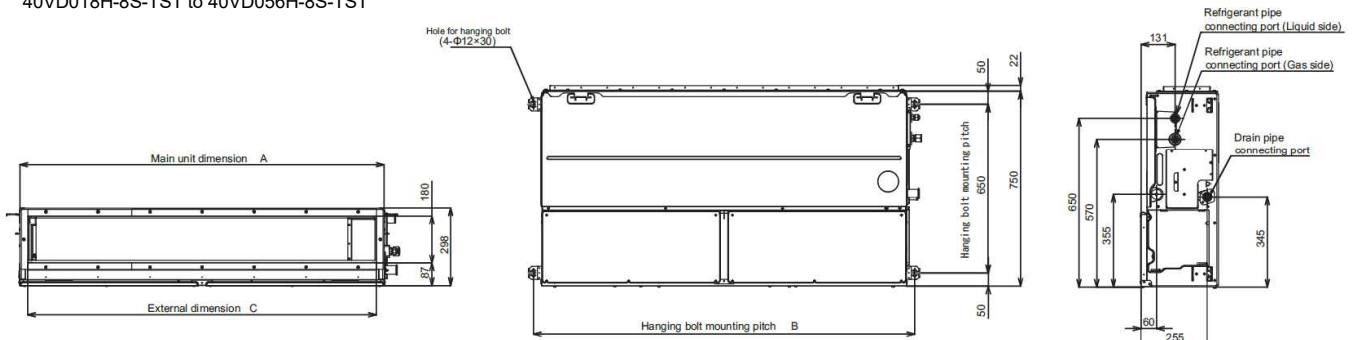
Model name	40VD	018H-8S-TST	024H-8S-TST	027H-8S-TST	036H-8S-TST	048H-8S-TST	056H-8S-TST	072H-8S-TST	096H-8S-TST		
Cooling capacity	kW	5.6	7.1	8.0	11.2	14.0	16.0	22.4	28.0		
	BTU(*1.2)	19,100	24,200	27,300	38,200	47,800	54,600	76,400	95,500		
	BTU(*1.3)	19,300	24,500	27,600	38,600	48,400	55,300	77,300	96,700		
Electrical characteristics	Power supply	1-phase 50Hz 220-240V/1-phase 60Hz 208-230V									
	Running current (50Hz/60Hz)	A	0.82/0.85	0.92/0.95	1.16/1.20	1.39/1.43	1.81/1.86	2.48/2.57	2.83/2.93	3.77/3.92	
	Power consumption (50Hz/60Hz)	kW	0.125/0.125	0.140/0.140	0.190/0.190	0.230/0.230	0.300/0.300	0.400/0.400	0.540/0.540	0.790/0.790	
	Starting current (50Hz/60Hz)	A	1.12/1.15	1.22/1.25	1.46/1.50	1.89/1.93	2.41/2.46	3.08/3.17	7.80/8.15	7.80/8.15	
Appearance	Heat-insulating material attached: Zinc hot dipping steel plate										
Dimensions (HxWxD)	mm	298x1,000x750			298x1,400x750			448x1,400x900			
Total weight	kgs	34			43			97			
Soundproof/Heat-insulating material	Polyethylene foam										
Fan unit	Fan	Centrifugal fan									
	Standard airflow (H/M/L)	m ³ /h	1,100/990/900	1,200/1,050/960	1,500/1,350/1200	1,920/1,560/1,340	2,340/1,980/1,695	2,760/2,340/1,920	3,800/3,200/2,500	4,800/4,200/3,500	
	Motor output	W	250			350			250		
	External static pressure (Factory setting)	Pa	100						150		
	External static pressure	Pa	50-75-125-100-150-175-200 (7 Steps)						50-83-117-150-183-217-250 (7 Steps)		
Sound pressure level (H/M/L)	dB(A)	37/33/31	38/34/31	43/41/38	41/37/34	44/44/38	46/44/41	44/40/36	46/42/38		
Sound power level	dB(A)	60			62	67	69	79	81		
Air filter	Sold separately (TCB-LK801D-E)			Sold separately (TCB-LK1401D-E)			Sold separately (TCB-LK2801DP-E)				
Connecting pipe	Gas side	mm	12.7	15.9	15.9	15.9	15.9	15.9	22.2	22.2	
	Liquid side	mm	6.4	9.5	9.5	9.5	9.5	9.5	12.7	12.7	
	Drain port (nominal diam.)	mm	25 (Polyvinyl chloride tube)								

Notes: (*1) Cooling capacities are measured under conditions specified by JIS B 8615 based on reference piping.
 (*1.1) Reference piping consists of 5m main piping and 2.5m branch piping connected with a height of 0m.
 (*1.2) Indoor air temperature 27.0°C DB/19.0°C WB, Outdoor air temperature 35.0°C DB.
 (*1.3) Indoor air temperature 27.0°C DB/19.5°C WB, Outdoor air temperature 35.0°C DB.

Drawings

Unit: mm

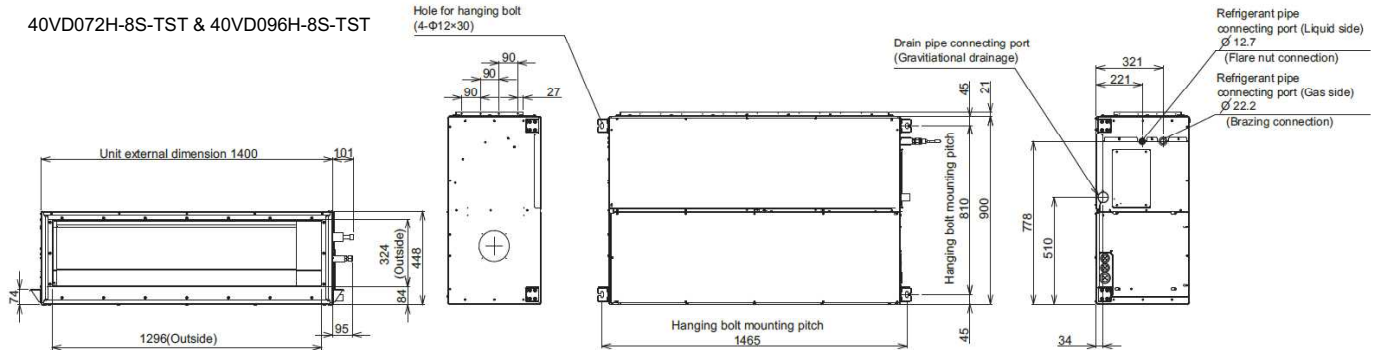
40VD018H-8S-TST to 40VD056H-8S-TST



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Drawings

Unit: mm



Accessories

No.	Part name	Model name	Applied model	Appearance	Notes
1	Spigot-shaped flange	TCB-SF80C6BE	40VD018 to 027H-8S-TST		263x994x175mm/Spigot diameter: 200mm
2	Spigot-shaped flange	TCB-SF160C6BE	40VD036 to 056H-8S-TST		263x1394x175mm/Spigot diameter: 200mm
3	Long-life filter kit	TCB-LK801D-E	40VD018 to 027H-8S-TST		Flange-shaped Mount chassis directly Upside-down mounting possible Left and right removable
4	Long-life filter kit	TCB-LK1401D-E	40VD036 to 056H-8S-TST		
5	Long-life filter kit	TCB-LK2801DP-E	40VD072 to 096H-8S-TST		
6	Auxiliary fresh air flange	TCB-FF151US-E	40VD018 to 056H-8S-TST		
7	Drain pump kit	TCB-DP40DPE	40VD072 to 096H-8S-TST		
8	Wireless remote controller	40VCI0--8-TEE	40VD-H-8S-TST		For installing as stand-alone

• : Available

Concealed Ducted (High Static Pressure) Connectors

	CN32	CN60	CN61	CN70	CN73	CN80
	Additional ventilation control from remote control	Operation status signal output (cooling, fan, thermo-on)	External On/Off, operation output and alarm output	Warning symbol on remote control based on signal input	Forced IDU thermo-off based on signal input	Forced IDU thermo-off and IDU lock based on signal input
Up to 6HP	•	•	•	•	•	•
8 & 10HP	•	TCB-PCUC2E PCB required	•	TCB-PCUC2E PCB required	TCB-PCUC2E PCB required	TCB-PCUC2E PCB required