

INDOOR UNIT

CEILING CASSETTE -4way-

FDT



FDT 40/50/60/71/
100/125/140V



Wireless remote control

Wired remote control



RCN-T-36W-E
(Option)



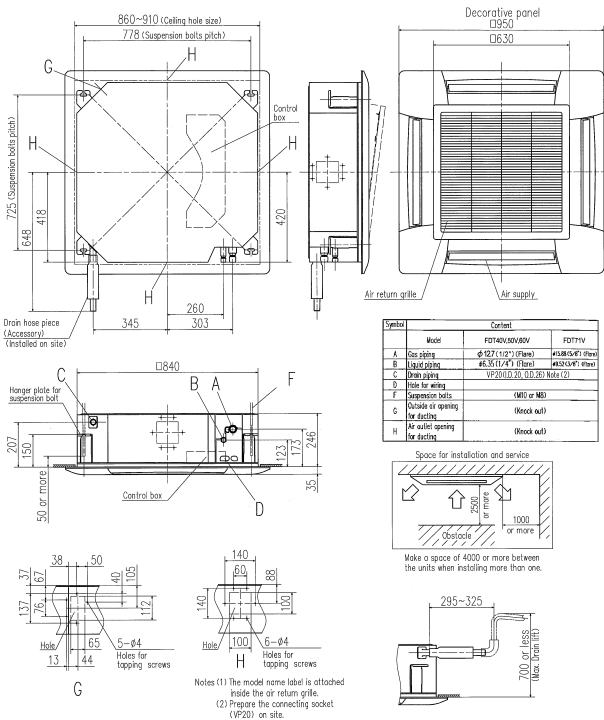
RC-E3
(Option)



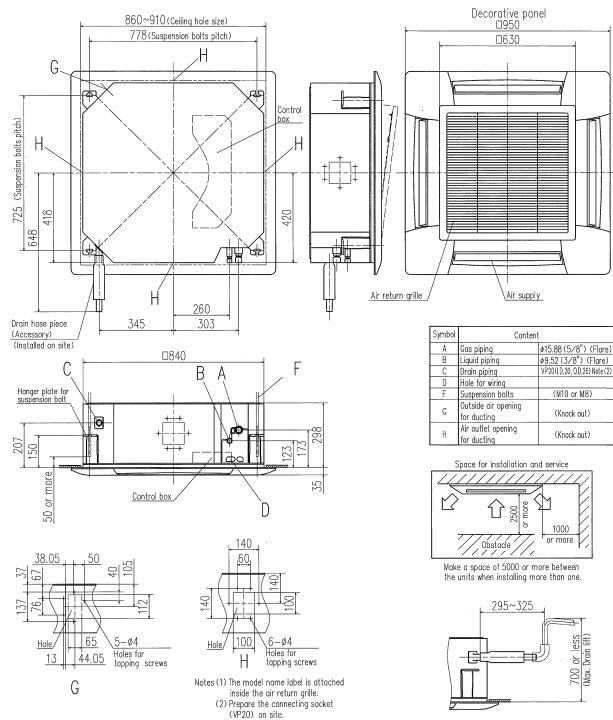
RCH-E3
(Option)

Outline drawing (Unit:mm)

Model FDT40,50,60,71V

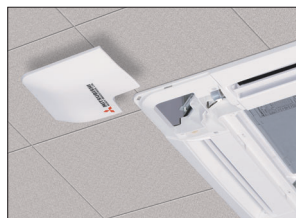


Model 100,125,140V



Point 1 Arrangement of installation balance of indoor unit

Checking from access ports with detachable covers at each corner, arrangement of installation balance of indoor unit can be available without removing a panel. Workability is improved and time of installation is reduced.



For wireless control simply insert the infrared receiver kit on a corner of the panel



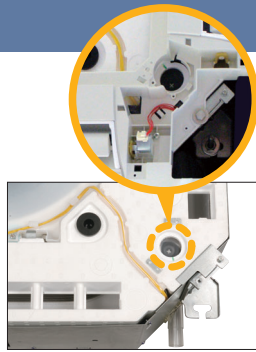
wireless remote control



RCN-T-36W-E

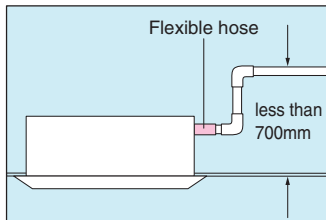
Point 2 Easy checking of drain pan

Easy checking of drain pan condition is available by removing corner lid only. Due to new design changing fan motor is available without removing a panel. Temporally setting of drain pan is also available.



Point 3 700mm Drain Pump

Drain can be discharged upwards by 700mm from the ceiling surface. It allows a piping layout with a high degree of freedom Depending on the installation location and 260mm flexible hose as a standard equipment supports easy workability.



SPECIFICATIONS The values are for simultaneous Multi operation.

Set model name		FDT40ZIXV		FDT50ZIXV		FDT60ZIXV		
Indoor name		FDT40V		FDT50V		FDT60V		
Outdoor name		SRC40ZIX-S		SRC50ZIX-S		SRC60ZIX-S		
Power source		1Phase 220-240V 50Hz, 1Phase 220V 60Hz						
Type		Inverter						
Nominal cooling capacity (Min~Max)	ISO-T1(JIS)	kW	4.0 (1.8~4.7)		5.0 (2.2~5.6)		5.6 (2.8~6.3)	
Nominal heating capacity (Min~Max)	ISO-T1(JIS)	kW	4.5 (2.0~5.4)		5.4 (2.5~6.3)		6.7 (3.1~7.1)	
Input	Cooling/Heating	kW	0.93/1.15		1.29/1.29		1.57/1.85	
COP	Cooling/Heating		4.30/3.91		3.88/4.19		3.57/3.62	
Energy label	Cooling/Heating		A/A		A/A		A/A	
Inrush current (Max. running current)		A	5(12)		5(14)		5(14)	
Sound level ^{*1}	Indoor	dB(A)	Hi:33 Me:31 Lo:30					
	Outdoor		47		48			
Air flow	Indoor	CMM	Hi:18 Me:16 Lo:14					
	Outdoor		40					
Indoor unit	Exterior dimensions	Height x Width x Depth	mm Unit:246x840x840 Panel:35x950x950					
	Net weight	Unit+Panel	kg 22+5.5				24+5.5	
	Panel		T-PSA-36W-E					
Remote control			Wired:RC-E3, RCH-E3 Wireless:RCN-T-36W-E					
Outdoor unit	Exterior dimensions	Height x Width x Depth	mm 640x800(+71)x290					
	Net weight		kg 45					
	Type of compressor		Scroll					
Ref.control			EEV					
Ref.amount precharged		kg(m)	1.4(15)					
Ref.piping size	Liquid/Gas	ø	6.35/12.7					
Range of usage	Ref.piping length	m	30					
	Vertical height difference	between O/U and I/U	<O/U	20				
		>O/U	20					
Limitations	Air temp.	Cooling	I/U	18~30				
			O/U	-15~43 ^{*2}				
		Heating	I/U	18~30				
			O/U	-15~24				

SPECIFICATIONS The values are for simultaneous Multi operation.

Set model name		FDT71VNV		FDT100NV		FDT125NV		FDT140NV		FDT100VSV		FDT125VSV		FDT140VSV		
Indoor name		FDT71V		FDT100V		FDT125V		FDT140V		FDT100V		FDT125V		FDT140V		
Outdoor name		FDC71VN		FDC100VN		FDC125VN		FDC140VN		FDC100VS		FDC125VS		FDC140VS		
Power source		1Phase 220-240V 50Hz, 1Phase 220V 60Hz						3Phase 380-415V 50Hz, 3Phase 380V 60Hz								
Type		Inverter														
Nominal cooling capacity (Min~Max)	ISO-T1(JIS)	kW	7.1 (3.2~8.0)		10.0 (4.0~11.2)		12.5 (5.0~14.0)		14.0 (5.0~14.5)		10.0 (4.0~11.2)		12.5 (5.0~14.0)		14.0 (5.0~14.5)	
Nominal heating capacity (Min~Max)	ISO-T1(JIS)	kW	8.0 (3.6~9.0)		11.2 (4.0~12.5)		14.0 (4.0~16.0)		16.0 (4.0~16.5)		11.2 (4.0~12.5)		14.0 (4.0~16.0)		16.0 (4.0~16.5)	
Input	Cooling/Heating	kW	1.90/2.07		2.76/2.74		4.05/3.77		4.98/4.57		2.76/2.74		4.05/3.77		4.98/4.57	
COP	Cooling/Heating		3.74/3.86		3.62/4.09		3.09/3.71		2.81/3.50		3.62/4.09		3.09/3.71		2.81/3.50	
Energy label	Cooling/Heating		A/A		A/A		B/A		C/B		A/A		B/A		C/B	
Inrush current (Max. running current)		A	5(17)		5(24)		5(24)		5(24)		5(15)		5(15)		5(15)	
Sound level ^{*1}	Indoor	dB(A)	Hi:35 Me:33 Lo:31		Hi:40 Me:37 Lo:35		Hi:42 Me:40 Lo:37		Hi:43 Me:41 Lo:38		Hi:40 Me:37 Lo:35		Hi:42 Me:40 Lo:37		Hi:43 Me:41 Lo:38	
	Outdoor		48		49		Cooling:50 Heating:51		51		49		Cooling:50 Heating:51		51	
Air flow	Indoor	CMM	Hi:21 Me:19 Lo:17		Hi:27 Me:24 Lo:20		Hi:30 Me:27 Lo:23		Hi:30 Me:27 Lo:23		Hi:27 Me:24 Lo:20		Hi:30 Me:27 Lo:23		Hi:30 Me:27 Lo:23	
	Outdoor		Cooling:60 Heating:50		Cooling:76 Heating:74		Cooling:75 Heating:73		Cooling:75 Heating:73		Cooling:76 Heating:74		Cooling:75 Heating:73		Cooling:75 Heating:73	
Indoor unit	Exterior dimensions	Height x Width x Depth	mm Unit:246x840x840 Panel:35x950x950						Unit:298x840x840 Panel:35x950x950							
	Net weight	Unit+Panel	kg 24+5.5				27+5.5									
	Panel		T-PSA-36W-E													
Remote control			Wired:RC-E3, RCH-E3 Wireless:RCN-T-36W-E													
Outdoor unit	Exterior dimensions	Height x Width x Depth	mm 750x880(+88)x340						845x970x370							
	Net weight		kg 60						74							
	Type of compressor		Rotary													
Ref.control			EEV													
Ref.amount precharged		kg(m)	2.95(30)		3.8(30)											
Ref.piping size	Liquid/Gas	ø	9.52/15.88													
Range of usage	Ref.piping length	m	50													
	Vertical height difference	between O/U and I/U	<O/U	30												
		>O/U	15													
Limitations	Air temp.	Cooling	I/U	18~30												
			O/U	-15~43 ^{*2}												
		Heating	I/U	18~30												
			O/U	-10~24		-15~24										

The data are measured under the following conditions(ISO-T1).

Cooling:Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating:Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

*1 : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

*2 : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.