



SUBMITTAL DATA

TVR Smart – Medium Static Pressure Duct
54.6kBtu/h – 220-240V/1Ph/50-60Hz DC Motor
Model: 4TVD0055RF000AA

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Job Name: _____

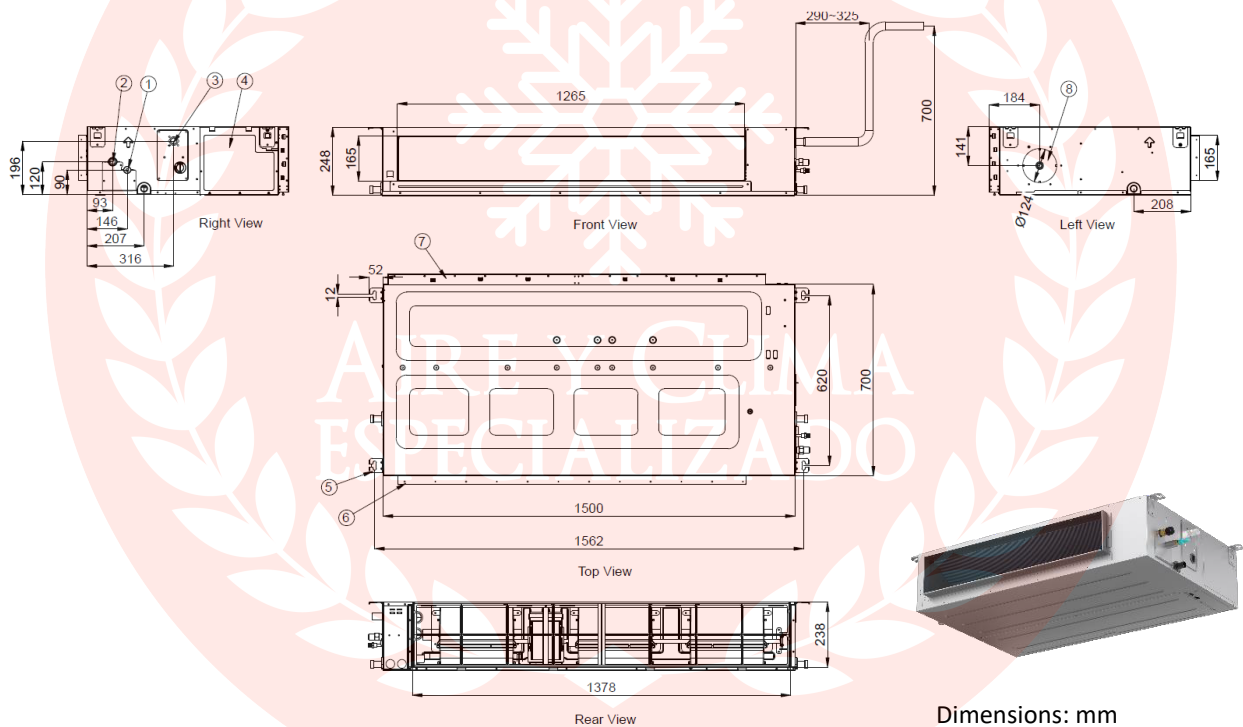
Date: _____

Reference: _____

Location: _____

Commercial Air Conditioner > TVR Smart > Indoor Unit > Medium Static Pressure Duct

• Overall Dimensions



No.	Parts Name	No.	Parts Name
1	Liquid pipe connection	5	Suspension hanger
2	Gas pipe connection	6	Air outlet
3	Drain pipe connection	7	Air inlet
4	Electrical control box	8	Fresh air inlet



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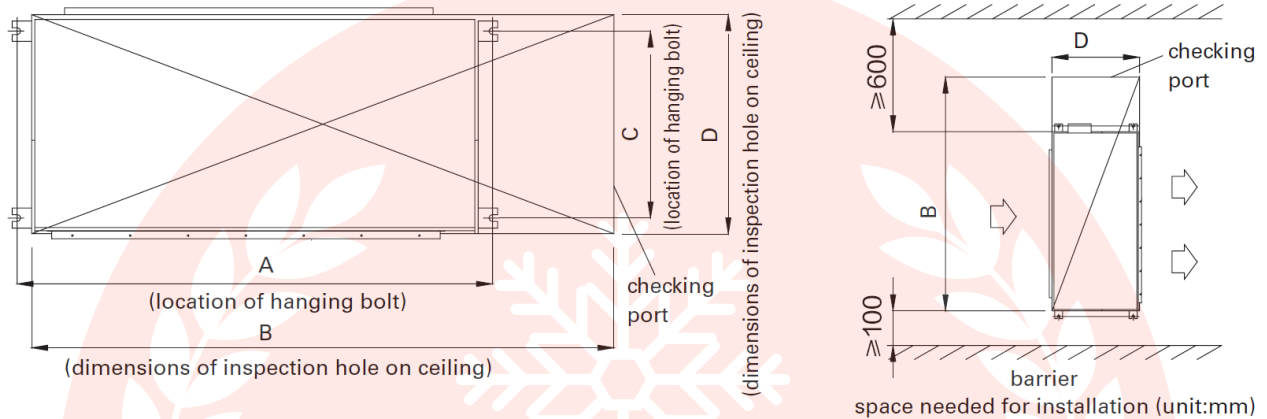
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• Installation Space Requirements

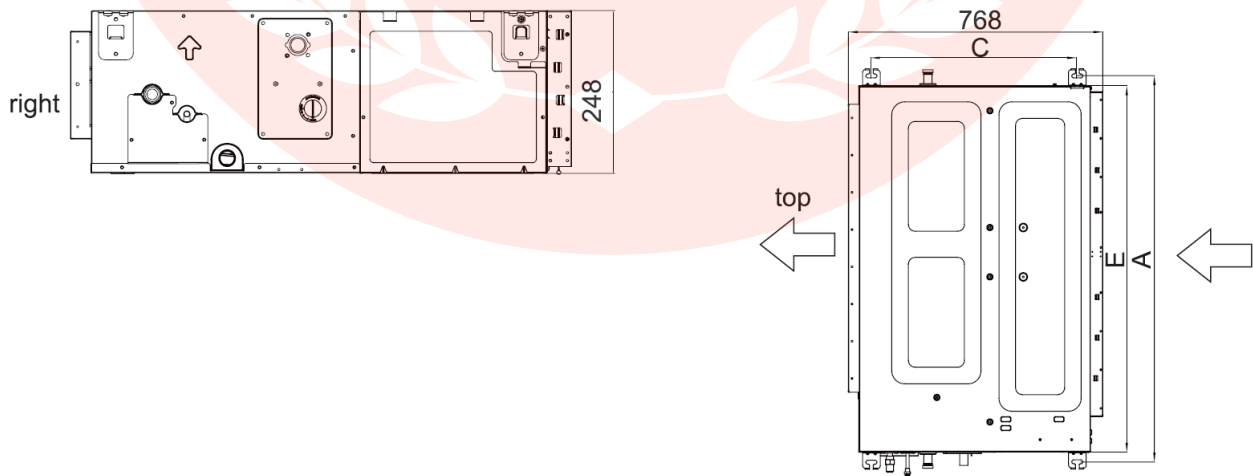
The dimension of maintenance

Make sure that it is easy to demount the electrical control box, fan, motor, filter.



A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
1561	2011	619	700	1100

Location relation between inspection hole on the ceiling and the unit and the hoisting studs (unit: mm).





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• Specifications

Model			4TVD0055RF000AA
Rated Cooling※1	Capacity	kBtu/h	54.6
	Capacity	kW	16.0
	Power Input	kW	0.255
	Current	A	2.00
Rated Heating※1	Capacity	kBtu/h	61.4
	Capacity	kW	18.0
	Power Input	kW	0.255
	Current	A	2.00
Power	Power Supply	Ph/V/Hz	1/220~240/50/60
	Power Cable	mm ²	3*2.5
	Communication Cable ※2	mm ²	≥2*0.75
	Minimum Circuit Amps(MCA)	A	2.25
	Maximum Fuse Amps(MFA)	A	16
Fan Motor	Brand	-	SHANGQI/ BROAD-OCEAN
	Model	-	ZWF-230D/ ZW511B500117L
	Type	-	DC
	Power Input	W	330
	Power Output	W	230
	Full Load Amps(FLA)	A	1.80
	Quantity	-	1
	Insulation Class	-	B
	IP Class	-	IP44/IP40
	Capacitor	μF	-
Fan	Fan Speed (SH/H/M-H/MM-L/L/Q)	rpm	1155/1140/1090/1040/1010/980/930
	Type	-	Cross flow fan
	Fan OD. Diameter	mm	Ø186
Airflow Rate (SH/H/M-H/MM-L/L/Q)	Number of Fans	-	3
		m ³ /h	2460/2350/2100/1950/1765/1600/1420
Heat Exchanger		CFM	1447/1382/1235/1147/1038/941/835
	Number of Rows	-	2
	Tube Pitch	mm	21
	Row Pitch	mm	13.3
	Fin Spacing	mm	1.4
	Fin Material	-	Hydrophilic aluminum
	Tube Outside Diameter	mm	Ø7
	Tube Type	-	Inner grooved
	Dimension (W*D*H)	mm	1265*338*26.6
Casing	Number of Circuits	-	11
	Color	-	Uncoated
	Material	-	Galvanized steel plate



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Model		4TVD0055RF000AA	
Salt Spray Test Duration		Hour	144
Electrical Control Box IP Class		-	IP20
Construction	Sheet Metal Thickness	mm	0.8
	Drain Pan Material	-	EPS
	Drain Pan Insulation Class	-	HF-1
	Drain Pump Head	mm	1200
	Branch Outlet Option	-	-
Indoor Wall	Material	-	Galvanized steel plate
	Thickness	mm	0.8
	Double or Single Skin	-	Single
Air Filter	Material	-	ABS+PET
	Mesh	-	256
	Pressure Drop	Pa	5
Pipe Dimension	Liquid Pipe OD. Diameter	mm	Ø9.52
	Gas Pipe OD. Diameter	mm	Ø15.88
	Pipe Connection Method	Gas & Liquid pipe: flared joint	
	Drainage Pipe Dimension	DN25	
Fresh Air Hole Dimension(W*D/Diameter)		mm	Ø124
Air Inlet Dimensions (W*D)		mm	1378*238
Air Outlet Dimensions (W*D)		mm	1265*165
Weight	Net Weight	kg	44.2
	Gross Weight	kg	50.5
Sound Power Level (SH/H/M-H/MM-L/L/Q)		dB	58/56/54/52/50/49/48
Sound Pressure Level (SH/H/M-H/MM-L/L/Q)		dB (A)	46/44/42/40/38/37/36
External Static Pressure		Pa	180
Standard Static Pressure		Pa	60
Dimension	Net Dimension (W*D*H)	mm	1500*700*248
	Package Dimension (W*D*H)	mm	1701*853*305

Notes:

※1 Rated condition:

Indoor temperature(cooling): 27°C DB/19°C WB, Outdoor temperature(cooling): 35°CDB/24°CWB.

Indoor temperature(heating): 20°C DB/15°C WB, Outdoor temperature(heating): 7°CDB/6°CWB.

The data is measured with 5m equivalent pipe and 0m height difference.

※2 Applying "Power off PMV control" function : 2 coresx1.5mm² shielded line.No-applying "Power off PMV control" function: ≥2 coresx0.75mm² shielded line.



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