SUBMITTAL DATA

TVR Smart – High Static Pressure Duct

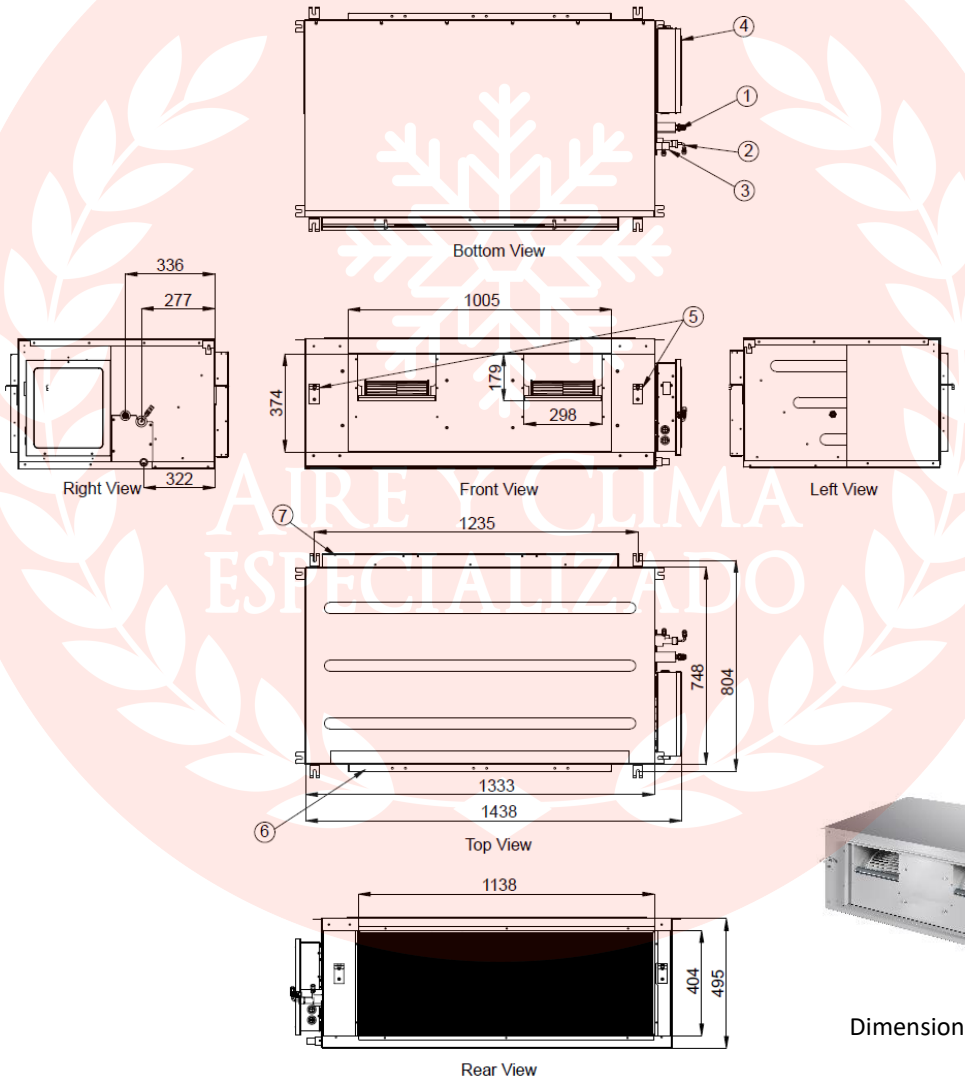
95.5kBtu/h – 220-240V/1Ph/50-60Hz DC Motor

Model: 4TVA0095RF000AA

Job Name:		Date:	
Reference:		Location:	

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

- **Overall Dimensions**



Dimensions: mm

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		

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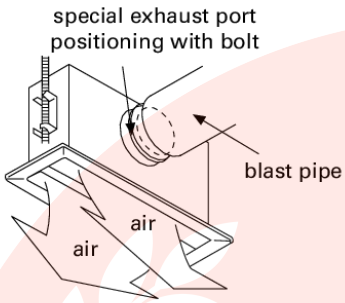
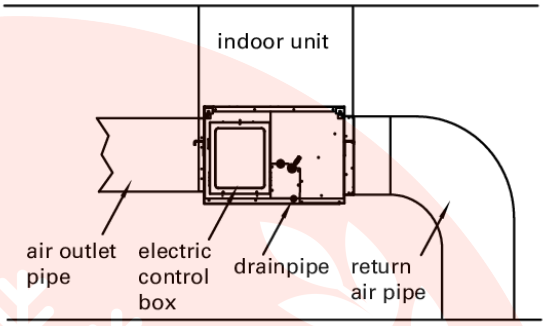
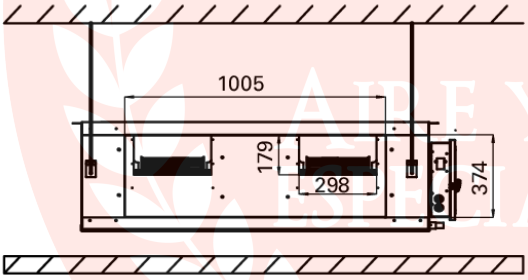
- **Installation Space Requirements**

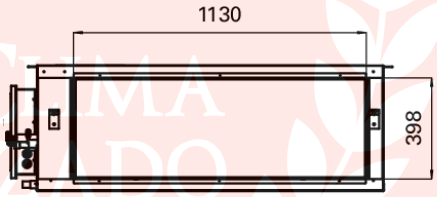


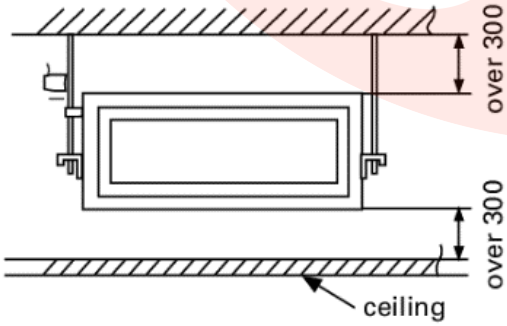


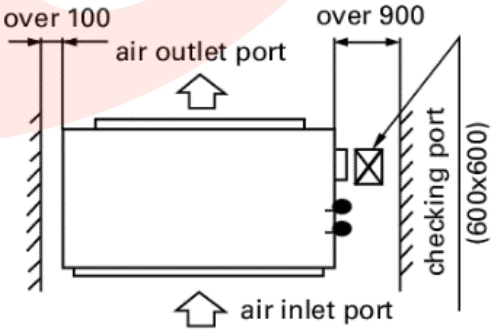
Install outlet flange basising the needs, the outlet flange is standard component, bolts are laied in accessories box.

Note:You can select not to connect with the flange. Instead of it, you can use the round plastic air outlet (purchased by user)









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- **Specifications**

Model			4TVA0095RF000AA
Rated Cooling※1	Capacity	kBtu/h	95.5
	Capacity	kW	28.0
	Power Input	kW	0.68
	Current	A	3.20
Rated Heating※1	Capacity	kBtu/h	107.5
	Capacity	kW	31.5
	Power Input	kW	0.68
	Current	A	3.20
Power	Power Supply	Ph/V/Hz	1/220~240/50/60
	Power Cable	mm²	3*2.5
	Communication Cable ※2	mm²	≥2*0.75
	Minimum Circuit Amps(MCA)	A	3.60
	Maximum Fuse Amps(MFA)	A	16
Fan Motor	Brand	-	SHANGQI
	Model	-	ZWF-980H
	Type	-	DC
	Power Input	W	1300
	Power Output	W	980
	Full Load Amps(FLA)	A	2.88
	Quantity	-	1
	Insulation Class	-	E
	IP Class	-	IP20
	Capacitor	μF	-
	Fan Speed (SH/H/H-M/M/M-L/L/Q)	rpm	1236/1116/1086/1056/1020/1002/966
Fan	Type	-	Cross flow fan
	Fan OD. Diameter	mm	Ø252
	Number of Fans	-	2
Airflow Rate (SH/H/H-M/M/M-L/L/Q)		m^3/h	4500/4100/3910/3700/3460/3300/2960
		CFM	2559/2412/2300/2176/2035/1941/1741
Heat Exchanger	Number of Rows	-	4
	Tube Pitch	mm	21
	Row Pitch	mm	18.2
	Fin Spacing	mm	1.4
	Fin Material	-	Hydrophilic aluminum
	Tube Outside Diameter	mm	Ø7
	Tube Type	-	Inner grooved
	Dimension (W*D*H)	mm	1152*546*72.8
	Number of Circuits	-	13
Casing	Color	-	Uncoated
	Material	-	Galvanized steel plate

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Model			4TVA0095RF000AA
Salt Spray Test Duration		Hour	144
Electrical Control Box IP Class		-	IP20
Construction	Sheet Metal Thickness	mm	1
	Drain Pan Material	-	Galvanized steel plate
	Drain Pan Insulation Class	-	V0
	Drain Pump Head	mm	-
	Branch Outlet Option	-	-
Indoor Wall	Material	-	Galvanized steel plate
	Thickness	mm	1
	Double or Single Skin	-	Single
Air Filter	Material	-	PP
	Mesh	-	30
	Pressure Drop	Pa	5
Pipe Dimension	Liquid Pipe OD. Diameter	mm	Ø12.7
	Gas Pipe OD. Diameter	mm	Ø22.22
	Pipe connection method		Gas & Liquid pipe: flared joint
	Drainage Pipe Dimension		DN25
Fresh Air Hole Dimension(W*D/Diameter)		mm	-
Air Inlet Dimensions (W*D)		mm	1130*398
Air Outlet Dimensions (W*D)		mm	1005*374
Weight	Net Weight	kg	88
	Gross Weight	kg	110
Sound Power Level (SH/H/H-M/M/M-L/L/Q)		dB	68/65/64/63/62/61/59
Sound Pressure Level (SH/H/H-M/M/M-L/L/Q)		dB (A)	54/51/50/49/48/47/45
External Static Pressure		Pa	300
Standard Static Pressure		Pa	100
Dimension	Net Dimension (W*D*H)	mm	1333*748*495
	Package Dimension (W*D*H)	mm	1558*896*668

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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