Coil d Coil mension and						
Data Cor	-	DWVA075	DWVA090	DWVA120	DWVA150	DWVA180
Cor Sion and	V/Ph/Hz			380 - 415/3/50	•	
sion and	cfm	2,760	9,240	12,120	15,130	18,080
ion and	acity MBH	238	280	380	570	099
ion and						
sion and	terial			Copper	-	
and Motor  or  t Dimension and		3	3	3	4	4
and Motor  or  t Dimension and	FPI	12	12	12	12	12
and Motor  or  t Dimension and		47.5	56.0	76.0	113.8	131.9
or  t Dimension and		9.3	9.1	15.8	8.1	8.9
and Motor  Or  t Dimension and  nension	nnection in	1-1/2	1-1/2	1-1/2	2.0	2.0
or t Dimension and	in	1	1	-	1	_
or t Dimension and						
or t Dimension and				Centrifugal FC		
mension and				Belt and Pulley		
mension and		1	1	2	2	2
mension and	cfm	8,900	10,600	13,800	18,310	21,800
mension and	cfm	2,900	2,000	9,100	12,060	14,400
mension and				TEFC		
mension and		-	1	1	1	_
mension and	STD	5.0	7.5	7.5	10.0	15.0
mension and	Option	7.5/10.0	10.0/15.0	10.0/15.0	15.0/20.0	20.0
mension and		1	1	1	-	_
mension and	A	8.0/63.0	12.0/79.0	12.0/79.0	15.2/110.0	22.0/153.0
ion						
	mm	1,620x2,200x1,440	1,770x2,200x1,440	1,920x2,490x1,440	2,130x3,000x1,680	2,280x3,000x1,680
	V x D) mm	1,320x1,900x1,140	1,470x1,900x1,140	1,620x2,190x1,140	1,830x2,700x1,375	1,880x2,700x1,375
Weight   Crated	kg	440	520	009	840	920
Uncrated - Net	kg	400	470	540	760	830















Note:



#### Trane Thailand

30th-31st Floor, Vanit Building II, New Petchburi Road, Makkasan, Rachthevee, Bangkok 10400

0 2704 9999, 0 2704 9797







# **DWVA**

Chilled Water Double-wall Air Handling Unit 6,000 - 20,000 CFM 50 Hz







Presenting the DWVA Series, the compact air handlers...

A high performance system engineered with your costs in mind, DW Series of compact air handlers offer

Easy and versatile installation	Small footprint to save space	
	Fully factory packaged to quicken installation (filters, drives, motors)	
Ruilt to last	Attractive double-wall panel with baked polyester powder painted steel sheet on exterior	
	wall and ganvalized steel sheet on the innner surface.	
Wide capacity range	Meets most application's needs with a range of 6,000-20,000 CFM covering 5 modules	
Flexible fan arrangement	DWVA offers added flexibility of fan arrangement for horizontal or vertical discharge.	
	Flush mounted to walls save expensive floorspace.	

# **Unit Casing**

The unit framework casing shall be constructed of 25 mm double-wall panels injected with polyurethane foam to provide a rigid, sturdy and easily cleaned enclosure. This double-wall construction keeps the insulation out of the air stream and contributes to improved indoor air quality.

The panels shall be constructed of baked polyester powder painted steel sheet on exterior wall and galvanized sheet on the inner surface that contacted with the air stream.

# **Footprint**

To save building space all models shall be placed against wall with return air from the front and general service from the sides.

# **Cooling Coil**

The cooling coil shall be 9.5 mm OD, internally grooved, seamless copper tubes mechanically expanded into aluminium corrugated fins for DWVA.

Coils shall be leak tested at 380 psig. The drain pan shall be fabricated of galvanized steel, insulated to prevent any condensation, and baked polyester powder paint to prevent corrosion.

### **Filters**

1-inch, washable aluminium filter shall be provided with side loading filter for duct return.

#### Fan

Supply fans shall be double width double inlet forward curved centrifugal fans statically and dynamically balanced. The drive compenents shall include fixed pitch drives and multiple V-belts. The drive shall be factory run tested and balanced. The supply fan motor shall be totally enclosed fan cooled. Fan and motor bearings shall be permanently lubricated.

# **Optional Accessories:**

#### **AHU Starters**

Unit mounted DOL fan motor starters are available as an optional feature.

# Hi-static Motor

Optional factory mounted oversized fan motor for high external static pressure application.

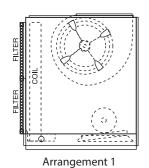
# Stainless Steel Drain Pan

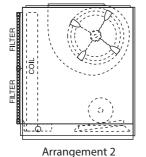
Stainless steel drain pan shall be available as an optional feature for DWVA.

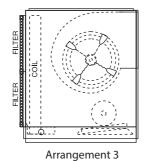
# FOR DWVA075 & DWVA090 ONLY DISCHARGE PLENUM & GRILLES

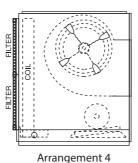
Discharge plenum shall be available for vertical free-blow discharge applications. It shall be constructed of galvanized steel, finished with baked polyester powder paint to match the unit casing. Grilles shall be satin finished aluminium and have double-deflection adjustable louvers.

# DWVA-Flexible Fan Arrangement









Features and Benefits	
Features	Benefits
Compact Air Handler	Small equipment room space requirements.
	Greater flexibility in positioning the unit.
	More usable (rental/leasing) space.
Corrugated Fin Cooling Coil	Higher heat transfer efficiency.
Blue Fin Cooling Coil (Optional)	To further enhance protection against moisture carry-over
	and corrosion.
Broad filter selection	DWVA075-180 provided with 1 inch with side loading
	filter for ducted return.
	Broad filter selection for application flexibility and
	improved indoor air quality.
Powder paint in attractive color	Uniform coverage-no liquid runs.
<ul> <li>Baked polyester powder paint is applied on treated</li> </ul>	Highly corrosion resistant gloss finish.
galvanized steel.	
<ul> <li>Hi-static motors and drives from factory (Optional)</li> </ul>	Eliminates need for field modification.
	Assures proper airflow.
	Increased application flexibility.
High CFM/Ton	Better comfort, better air quality.
<ul> <li>Permanently lubricated ball bearings</li> </ul>	Longer lasting.
	No maintenance.

CFH-DS-1T CFH-DS-1T