

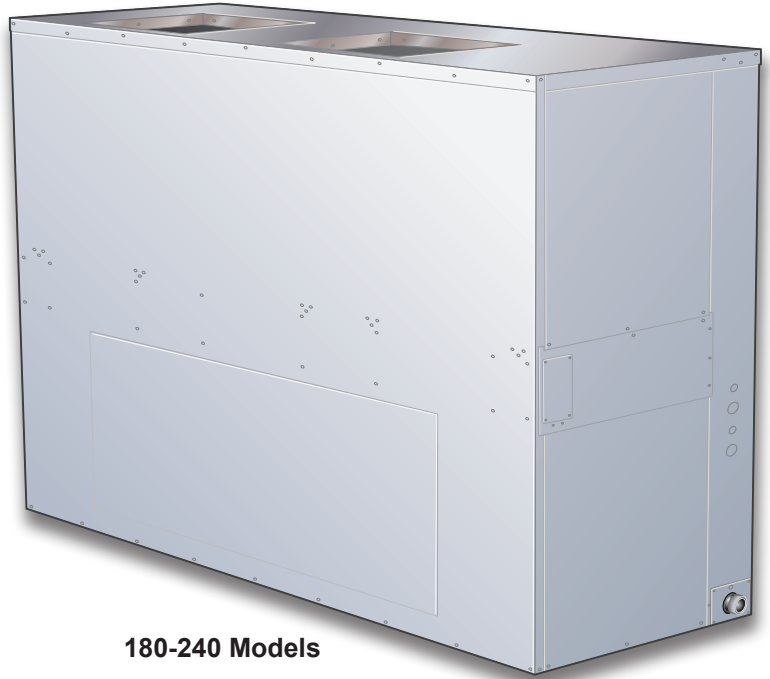


PRODUCT SPECIFICATIONS

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Supersedes April 2014



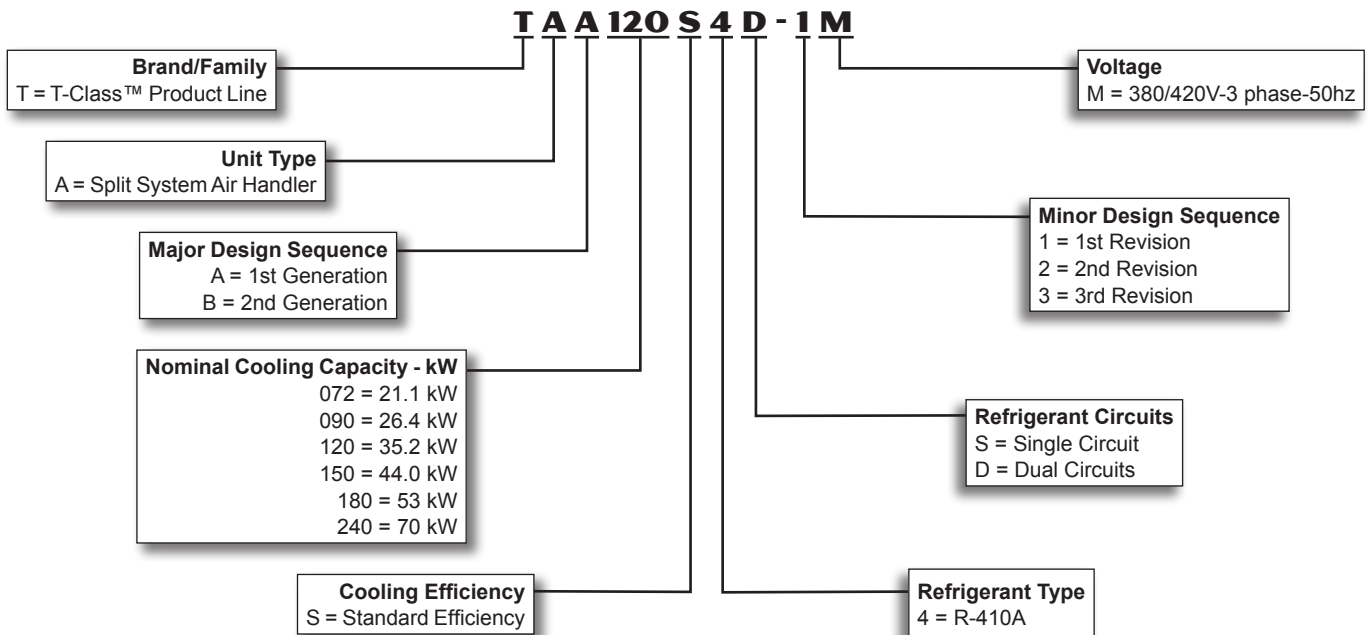
072-090-120-150 Models



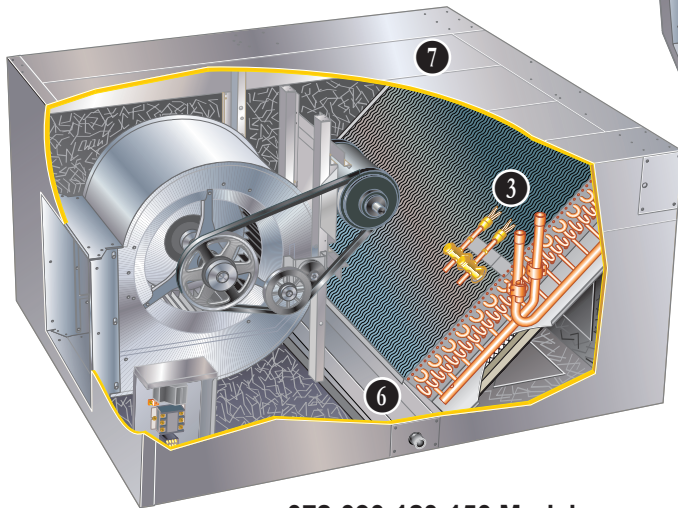
180-240 Models

**Nominal Capacity - 21.1 to 70 kW
Optional Electric Heat - 7.6 to 25.5 kW**

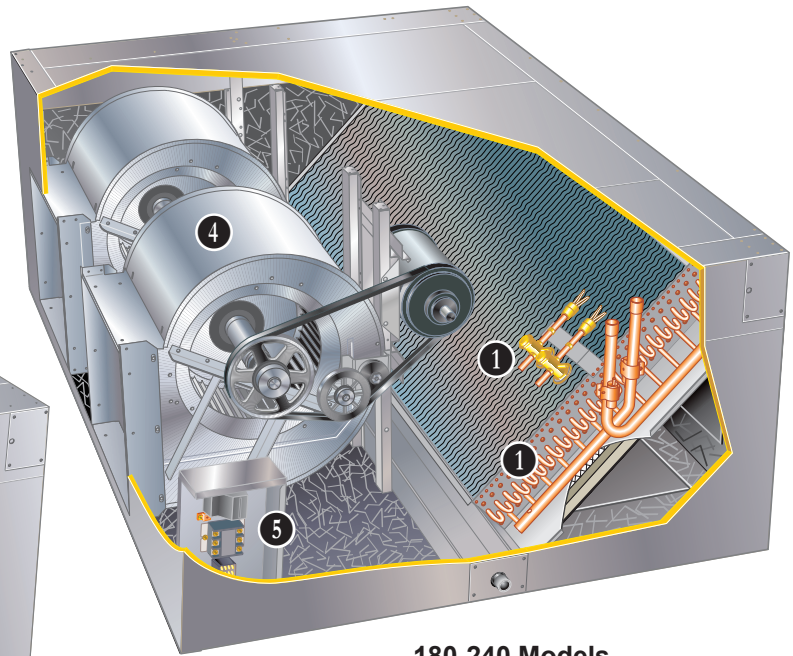
MODEL NUMBER IDENTIFICATION



FEATURES AND BENEFITS



072-090-120-150 Models



180-240 Models

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APPROVALS

Tested with matching air conditioner and heat pump units in the Lennox Research Laboratory environmental test room in accordance with test conditions included in Air-Conditioning, Heating and Refrigeration Institute (AHRI) Standard 340/360-2007 while operating at rated voltage and air volumes.

Blower data is from unit tests conducted in the Lennox Laboratory air test chamber.

Components bonded for grounding to meet safety standards for servicing required by Underwriters Laboratories (UL) and the International Electrotechnical Commission (IEC).

International Organization for Standardization (ISO) 9001 Registered Manufacturing Quality System.

APPLICATIONS

Provides installation versatility and maximum efficiency in cooling performance, air handling and filtering in cooling or heat pump applications.

Convertible upflow or horizontal design.

Equipped with single circuit (072) or dual-circuit (090-240) indoor coils, suitable for application with Lennox 21 to 70 kW TSA air conditioners or 26 to 35 kW TPA heat pump outdoor units.

Each refrigerant circuit has a dedicated expansion valve.

090-240 models have a dual distribution system for two stage capacity control during cooling cycles.

Air handlers are shipped factory assembled ready to install. Standard static blower drive is furnished factory installed. Low or high static drive options are available as factory installed options. See Blower Drive Specifications Table for selections.

See air conditioners bulletins in Air Conditioners section for cooling capacities and ratings.

See heat pump bulletins in Heat Pump Outdoor Units section for cooling and heating capacities and ratings.

FEATURES AND BENEFITS

REFRIGERANT SYSTEM

1 Multi-Circuit, Copper Tube Coil

Extra large surface area of Lennox designed coil provides maximum cooling efficiency, excellent heat transfer and low air resistance.

Coils on 090-240 models are face split with separate circuits, each circuit has its own expansion valve.

Precise circuiting gives uniform refrigerant distribution.

Lennox fabricated coil is constructed of precisely spaced ripple edged aluminum fins fitted to durable seamless, rifled copper tubes.

Rifled tubing provides enhanced heat transfer which results in maximum coil performance when combined with the Lennox fin design.

Fins are strengthened to resist bending and are equipped with collars that grip tubing for maximum contact area.

Flared tubing connections and silver soldering provide tight, leakproof joints.

Long life copper tubing is corrosion-resistant and easy to field service.

Coil is thoroughly factory tested under high pressure to ensure leakproof construction.

2 Expansion Valve

For use with R-410A systems.

Factory installed and piped.

Multi-circuit coils are equipped with one thermal expansion valve per circuit.

Valves are sized for best performance.

090 and 120 models have internal check valves for use with heat pump systems.



3 Refrigerant Piping and Drain Connections

Refrigerant line inlets (knockouts) are provided on both sides of the cabinet.

Refrigerant lines require sweat connections and are made internal to the cabinet.

Condensate drain outlet extends outside the cabinet for ease of connection. Condensate drain can be relocated to other side of cabinet and can be repositioned for horizontal air flow applications.

OPTIONS/ACCESSORIES

Field Installed

Freezestat

Protects the evaporator coil from damaging ice build-up due to conditions such as low/no air flow, or low refrigerant charge.

Heat Pump Check Valve Kit (180-240 Models Only)

Field installed kit contains valve assemblies that field convert the coil to allow it to be matched with two smaller heat pump outdoor units.

INDOOR AIR QUALITY

Filters

51 mm thick, throwaway fiberglass media filters are furnished as standard.

Filter rack design permits quick and easy removal of filters for servicing.

OPTIONS/ACCESSORIES

Field Installed

Healthy Climate® High Efficiency Air Filters

Disposable MERV 11 or MERV 16 (Minimum Efficiency Reporting Value based on ASHRAE 52.2) efficiency 5 inch pleated filters.

127 mm pleated filters offer longer filter life and better filtration efficiency compared to standard 51 mm filters.

127 mm Filter Mounting Kits

Required for use with *Healthy Climate*® MERV 11 or MERV 16 filters. Kit includes filter rack for 127 mm filters.

Healthy Climate® UVC Germicidal Light Kits

Healthy Climate® UVC light kits are specifically designed for the TA air handlers and attach directly to the indoor coil air shields without tools or fasteners at the optimal distance and location required. The UVC lights are sized to optimize the reduction of mold and other bioaerosols (bacteria and viruses) on the coil surface. In addition, the lights are equipped with unique (patent pending) directional honeycomb shields to focus the UVC light on the coil surface where it is needed and reduce the exposure of light on other components and access panels for improved safety and overall effectiveness.

Enhanced rapid start ballast provides UVC lamp operation at a full range of operating conditions.

LED's on ballast show lamp operation status.

"Green" LED indicates power on".

"Blue" LED indicates lamp operation.

Germicidal lamps emit ultra-violet (UVC) energy, which has been proven to be effective in reducing microbes such as viruses, bacteria, yeasts, and molds. This process either destroys the organism or controls its ability to reproduce.

Lamps operate on 208/230V/1ph power supply.

Step-down transformer is available. Order separately.

Lamps may be operated from separate 200/220/230V-1ph power source.

All necessary hardware for installation is furnished.

FEATURES AND BENEFITS

4 BELT DRIVE BLOWERS

072-090-120-150 models are equipped with a single blower wheel, 180 and 240 models have dual blower wheels.

Centrifugal belt driven blowers deliver large air volumes quietly and with low power consumption.

Blower wheels are heavy-duty, with forward curved blades and double inlet.

Wheels are statically and dynamically balanced to eliminate vibration and designed to give maximum air delivery.

Bearings are heavy-duty, permanently sealed and lubricated.

Belt tension is automatically controlled by auto tensioning device.

Adjustable motor pulley allows speed adjustments.

Standard static drive is furnished factory installed. See Blower Drive Specifications table for optional factory installed low and high static drives available.

OPTIONS/ACCESSORIES

Factory Installed

Low or High Static Drives

A choice of optional low or high static drives are available for factory installation. See Blower Drive Specifications table.

CONTROLS

5 Control Box

Control box located in separate compartment in unit cabinet.

Box may be relocated to alternate location for easier access depending on application. See dimension drawings.

Low voltage terminal strip factory installed.

Blower contactor furnished and factory installed in control box.

All controls are pre-wired at the factory.

6 CABINET

Cabinet is constructed of heavy-gauge, galvanized steel.

Cabinet is completely lined with thick fiberglass insulation resulting in quiet and efficient operation due to the excellent sound deadening and insulating qualities of fiberglass.

Supply and return air duct flanges are furnished for field installation. See dimension drawings.

Service access is provided on three sides (072-150) and four sides (180-240) of unit.

Large removable panels provide complete service access on one side of unit.

Electrical inlets are conveniently located in the cabinet. See dimension drawings.

7 Drain Pan

Deep, corrosion resistant plastic drain pan.

Reversible drain pan allows for drain outlets on either end of cabinet and can be repositioned for horizontal air flow applications.

Drain pan is removable from either side in both horizontal and vertical applications.

OPTIONS/ACCESSORIES

Factory Installed

Corrosion Protection

Polymeric epoxy coating that is deposited by electrical transport (electrophoresis), using a process known as electrocoat (e-coat). Available for enhanced coil corrosion protection. Factory installed on the indoor coil. Blower housing is painted when this option is ordered.

Field Installed

Float Switch

Prevents condensate overflow by turning the unit off when the condensate level is abnormally high.

Return Air Grilles

Anodized aluminum grille field installs in return air opening of air handler.

Return Air Grille Free Area

T2GARD30L-1 - 0.38 m².

T2GARD30M-1 - 0.55 m².

T2GARD30N-1 - 0.71 m².

OPTIONS / ACCESSORIES

ELECTRIC HEAT SECTION

Furnished in a separate add-on matching cabinet.
Mounting hardware is furnished to secure cabinets together.
Pre-punched mounting holes are furnished for aligning electric heat section to air handler supply air flange.
Removable panel permits service access.
Electrical inlet provides wiring entry.
Field installed electric heaters are available in several kW sizes, see Electric Heat Data table.
Helix wound, nichrome heating elements are exposed directly in the air stream resulting in instant heat transfer, lower coil temperatures and long service life.
Elements are accurately located and insulated from the heavy-gauge steel support frame by high quality insulators.
Elements are equipped with individual limit controls providing positive protection in case of overheating.
Sub-fusing, contactors, control relays, 24V transformer are furnished.
Certain electric heat sizes may be two-stage controlled (with field provided control) with each stage being energized only when required. See Electric Heat Tables.

HOT WATER COIL

Furnished in a separate add-on matching cabinet.
Mounting hardware is furnished to secure cabinets together.
Pre-punched mounting holes are furnished for aligning cabinet to air handler.
Cabinet is constructed of heavy-gauge galvanized steel.
Completely insulated with thick, foil-faced fiberglass insulation.
Removable panel permits service access.
Cabinet is reversible to allow piping on either side of unit.
Lennox designed and built coil has large face area, excellent heat transfer and low air resistance.
Constructed of precisely spaced ripple-edged aluminum fins fitted to durable copper tubes.
Fins are equipped with collars that grip tubing for maximum contact area.
Flared shoulder tubing connections and silver soldering provide tight, leakproof joints.
Long life copper tubing is easy to field service.
Coil is thoroughly factory tested under high pressure to ensure leakproof construction.
Valves and pumps must be furnished by installer.

ECONOMIZER OPTIONS

Factory assembled and wired economizer dampers and controls are available for field installation.
Heavy-gauge galvanized steel cabinet is completely insulated with thick, matte-faced fiberglass insulation.
Large removable panels on both sides of cabinet provide complete service access.
Mounting flanges provide ease of connection to air handler unit.
Flanges on outdoor air opening and return air opening permit easy duct connection.
Damper linkage and shafts are plated.

Factory or Field Installed

Standard Economizer Features

Gear-driven action, return air and outdoor air dampers, plug-in connections to unit, neoprene seals, 24-volt, fully-modulating spring return motor, adjustable minimum damper position.

Standard Economizer Control Module

The Standard Economizer Control Module can be adjusted to operate based on outdoor air temperatures.



Economizer Controls:

- Damper Minimum Position - Can be set lower than traditional minimum air requirements resulting in cost savings.
- IAQ Sensor - Signals dampers to modulate and maintain 55°F when CO₂ is higher than the CO₂ setpoint.
- Demand Control Ventilation (DCV) LED - A steady green Demand Control Ventilation LED indicates the IAQ reading is higher than setpoint and requires more fresh air.
- Free Cool LED - A steady green LED indicates outdoor air is suitable for free cooling.

Free Cooling runs when outdoor air temperature is lower than the set temperature on the economizer control.

NOTE: The Free Cooling default setting for outdoor air temperature sensor is 55°F.

High Performance Economizer Features

ASHRAE 90.1-2010 compliant.

Gear-driven action, high torque 24-volt fully-modulating spring return damper motor, return air and outdoor air dampers, plug-in connections to unit, nylon bearings, enhanced neoprene blade edge seals and flexible stainless steel jamb seals to minimize air leakage.

OPTIONS / ACCESSORIES

High Performance Economizer Control Module

Module provides inputs and outputs to control economizer based on parameter settings.

Module automatically detects sensors by polling to determine which sensors are installed in system.



Module displays any alarm messages (fault detection and diagnostics) as an aid in troubleshooting.

Non-volatile memory retains parameter settings in case of power failure.

Keypad with four navigation buttons and LCD screen is furnished for setting economizer parameters.

- Menu Up/Exit (⬆) button returns to the main menu.
- Arrow Up (▲) button moves to the previous or next parameter within the selected menu.
- Arrow Down (▼) button moves to the next parameter within the selected menu.
- Select (enter) (↵) button confirms parameter selection.

Main Menu Structure:

- STATUS (economizer and system operation status)
- SETPOINTS (settings for various setpoint parameters)
- SYSTEM SETUP (settings/information about the system)
- ADVANCED SETUP (freeze protection, CO₂ settings, stage 3 delay and additional calibration settings)
- CHECKOUT (damper positions)
- ALARMS (output signal that can be configured for remote alarm monitoring)

Refer to Installation Instructions for complete setup information and menu parameters available.

Field Installed

Differential Enthalpy Control

Allows the outdoor air enthalpy control to select between outdoor air or return air, whichever has lower enthalpy. Field installed in economizer damper section.

SPECIFICATIONS

General Data		Model No.	TAA072S4S	TAA090S4D	TAA120S4D
		Nominal kW	21.0	26.4	35.2
Connections	Liquid line o.d. - mm (in.) (sweat)		(1) 16 (5/8)	(2) 16 (5/8)	(2) 16 (5/8)
	Suction/Vapor line o.d. - mm (in.) (sweat)		(1) 28.5 (1-1/8)	(2) 22 (7/8)	(2) 22 (7/8)
	Condensate drain - in. (fpt)		1 (NPT)	1 (NPT)	1 (NPT)
Refrigerant	Not Furnished		R-410A	R-410A	R-410A
Evaporator Coil	Net face area - m ² (ft ²)		0.76 (8.2)	0.76 (8.2)	1.05 (11.3)
	Coil (Face) Split - 1st stage / 2nd stage (%)		- - -	50 / 50	50 / 50
	Tube diameter - mm (in.)		9.5 (3/8)	9.5 (3/8)	9.5 (3/8)
	Number of rows		3	4	4
	Fins per Meter (Fins per inch)		669 (17)	669 (17)	669 (17)
Blower and Drive			See Blower Drive Specifications Table on page 15		
	Wheel nominal diameter & width - mm (in.)		(1) 381 x 381 (15 x 15)		
Filter	Number and size - mm (in.)		(3) 406 x 635 x 51 (16 x 25 x 2)		(4) 406 x 635 x 51 (16 x 25 x 2)

SPECIFICATIONS

General Data		Model No.	TAA150S4D	TAA180S4D	TAA240S4D
		Nominal kW	44.0	53	70
Connections	Liquid line o.d. - mm (in.) (sweat)		(2) 16 (5/8)	(2) 16 (5/8)	(2) 16 (5/8)
	Suction/Vapor line o.d. - mm (in.) (sweat)		(2) 22 (7/8)	(2) 28.5 (1-1/8)	(2) 28.5 (1-1/8)
	Condensate drain - in. (fpt)		1 (NPT)	1 (NPT)	1 (NPT)
Refrigerant	Not Furnished		R-410A	R-410A	R-410A
Evaporator Coil	Net face area - m ² (ft ²)		1.05 (11.3)	1.57 (16.9)	1.57 (16.9)
	Coil (Face) Split - 1st stage / 2nd stage (%)		50 / 50	50 / 50	50 / 50
	Tube diameter - mm (in.)		9.5 (3/8)	9.5 (3/8)	9.5 (3/8)
	Number of rows		4	3	4
	Fins per Meter (Fins per inch)		669 (17)	669 (17)	669 (17)
Blower and Drive			See Blower Drive Specifications Table on page 15		
	Wheel nominal diameter & width - mm (in.)		(1) 381 x 381 (15 x 15)	(2) 381 x 381 (15 x 15)	
Filter	Number and size - mm (in.)		(4) 406 x 635 x 51 (16 x 25 x 2)		

OPTIONS / ACCESSORIES

Item	Catalog No.	072	090	120	150	180	240
BLOWER							
Blower Drives		See Blower Drive Specifications Table on page 15					
CABINET							
¹ Corrosion Protection		Factory	O	O	O	O	O
Float Switch	T2SNSR71LN1-	91W69	X	X	X	X	X
Return Air Grille	T2GARD30L-1	47W49	X	X			
	T2GARD30M-1	47W50			X	X	
	T2GARD30N-1	47W51				X	X
² ELECTRIC HEAT							
6.9 kW	380/420V-3ph - T3EH0010LM1G	46W55	X	X	X	X	
10.4 kW	380/420V-3ph - T3EH0015LM1G	46W56	X	x	X	X	
17.4 kW	380/420V-3ph - T3EH0025LM1G	46W57	X	X	X	X	
24.3 kW	380/420V-3ph - T3EH0035LM1G	46W58		X	X	X	
15.3 kW	380/420V-3ph - T3EH0020N-1G	46W69				X	X
23.0 kW	380/420V-3ph - T3EH0030N-1G	46W70				X	X
30.6 kW	380/420V-3ph - T3EH0040N-1G	49W40				X	X
38.3 kW	380/420V-3ph - T3EH0050N-1G	46W71				X	X
ECONOMIZER							
Standard Economizers							
	T2ECON31L-1-	44W94	X	X			
	T2ECON31M-1-	44W95			X	X	
	T2ECON31N-1-	44W96				X	X
High Performance Economizers							
	T2ECON34L-1	10U48	X	X			
	T2ECON34M-1	10U49			X	X	
	T2ECON31N-1-	10U50				X	X
Economizer Controls							
Differential Enthalpy Control	C1NSR61FF1	11G21	X	X	X	X	X
HOT WATER COIL							
	T2HWCL10LM1-	44W20	X	X	X	X	
	T2HWCL10N-1-	44W21				X	X
INDOOR AIR QUALITY							
Air Filters							
³ Healthy Climate® High Efficiency Air Filters 406 x 635 x 127 mm (16 x 25 x 5 in.)	MERV 11 - HCF16-11	X6670	X	X	X	X	X
	MERV 16 - HCF16-16	X6672	X	X	X	X	X
127 mm Filter Mounting Kits	T2FLTR70L-1-	47W71	X	X			
	T2FLTR70M-1-	47W72			X	X	
	T2FLTR70N-1-	47W73				X	X
Healthy Climate® UVC Light Kit (208/230V-1ph)	⁴ 208/230V - T2UVCL10LM1	46W43	X	X	X	X	
	⁴ 208/230V - T2UVCL10N-1	46W44				X	X
	Step-Down Transformer	96M07	X	X	X	X	X
REFRIGERANT SYSTEM							
Freezestat	T2SNSR70N1-	91W70	X	X	X	X	X
Heat Pump Check Valve Kit	T2CVLV10N-1-	47W48				X	
	T2CVLV11N-1-	50W73					X

NOTE - The catalog and model numbers that appear here are for ordering field installed accessories only.

X - Field Installed.

¹ Corrosion protection option requires extended lead time.

² Nominal kW at 400V/3ph/50hz. Electric heat model numbers are based on nominal kW for US applications.

³ Order 127 mm (5 in.) Filter Mounting Kit and required number of MERV 11 or MERV 16 filters: - (3) 072-090, (4) 120-150.

⁴ Step-down transformer (380/420V to 190/210V-1ph) or separate power supply is required.

BLOWER DATA

TAA072 BLOWER PERFORMANCE

All data is measured external to the unit with dry coil and standard 51 mm (2 in.) air filters in place.

FOR ALL UNITS ADD:

1 - Wet indoor coil air resistance of selected unit.

2 - Any field installed accessories air resistance (electric heat, economizer, etc.) See page 16.

Then determine from table the blower motor hp and drive rpm required. See page 15 for blower drive specifications.

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																							
		25 (0.1)			50 (0.2)			75 (0.3)			100 (0.4)			125 (0.5)			150 (0.6)			175 (0.7)			200 (0.8)		
L/s	cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
895	1900	428	0.43	0.57	479	0.49	0.66	531	0.55	0.74	581	0.60	0.81	629	0.66	0.88	675	0.70	0.94	718	0.75	1.01	758	0.80	1.07
945	2000	434	0.44	0.59	486	0.51	0.69	538	0.57	0.77	589	0.63	0.84	637	0.68	0.91	682	0.73	0.98	725	0.78	1.05	765	0.83	1.11
990	2100	441	0.46	0.62	493	0.54	0.72	545	0.60	0.80	596	0.66	0.88	644	0.71	0.95	689	0.76	1.02	732	0.81	1.09	771	0.86	1.15
1040	2200	448	0.48	0.65	501	0.56	0.75	553	0.62	0.83	604	0.68	0.91	652	0.73	0.98	696	0.79	1.06	738	0.84	1.13	778	0.90	1.20
1085	2300	456	0.51	0.68	508	0.58	0.78	561	0.64	0.86	612	0.70	0.94	659	0.76	1.02	704	0.82	1.10	746	0.87	1.17	785	0.93	1.24
1135	2400	463	0.53	0.71	516	0.60	0.81	569	0.67	0.90	620	0.73	0.98	667	0.79	1.06	711	0.85	1.14	753	0.91	1.22	792	0.96	1.29
1180	2500	470	0.55	0.74	524	0.63	0.84	578	0.70	0.94	629	0.76	1.02	675	0.82	1.10	719	0.89	1.19	760	0.95	1.27	798	1.00	1.34
1225	2600	478	0.57	0.77	533	0.66	0.88	587	0.73	0.98	637	0.79	1.06	683	0.86	1.15	726	0.93	1.24	767	0.98	1.32	805	1.04	1.39
1275	2700	486	0.60	0.81	542	0.69	0.92	596	0.76	1.02	646	0.83	1.11	692	0.90	1.20	734	0.96	1.29	775	1.02	1.37	812	1.08	1.45
1320	2800	495	0.63	0.85	552	0.72	0.96	606	0.80	1.07	655	0.87	1.16	700	0.93	1.25	742	1.00	1.34	782	1.06	1.42	819	1.12	1.50
1370	2900	504	0.66	0.89	561	0.75	1.01	616	0.83	1.11	665	0.90	1.20	708	0.97	1.30	750	1.04	1.39	789	1.10	1.48	826	1.16	1.56
1415	3000	514	0.69	0.93	572	0.78	1.05	626	0.87	1.16	674	0.94	1.26	717	1.01	1.35	758	1.08	1.45	797	1.15	1.54	833	1.21	1.62

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																				
		225 (0.9)			250 (1.0)			275 (1.1)			300 (1.2)			325 (1.3)			350 (1.4)			375 (1.5)		
L/s	cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
895	1900	796	0.84	1.13	830	0.89	1.19	862	0.93	1.25	893	0.98	1.32	922	1.04	1.39	950	1.09	1.46	978	1.15	1.54
945	2000	802	0.87	1.17	836	0.92	1.23	868	0.97	1.30	898	1.02	1.37	928	1.07	1.44	956	1.13	1.52	983	1.19	1.60
990	2100	808	0.91	1.22	842	0.95	1.28	874	1.01	1.35	904	1.06	1.42	933	1.12	1.50	961	1.18	1.58	988	1.24	1.66
1040	2200	814	0.94	1.26	848	0.99	1.33	879	1.04	1.40	909	1.10	1.48	938	1.16	1.56	966	1.22	1.64	993	1.29	1.73
1085	2300	820	0.98	1.31	854	1.03	1.38	885	1.09	1.46	915	1.14	1.53	943	1.21	1.62	971	1.27	1.70	998	1.34	1.79
1135	2400	827	1.01	1.36	860	1.07	1.43	891	1.13	1.51	920	1.19	1.59	949	1.25	1.68	976	1.32	1.77	1003	1.39	1.86
1180	2500	833	1.05	1.41	866	1.11	1.49	897	1.17	1.57	926	1.24	1.66	954	1.31	1.75	981	1.37	1.84	1008	1.44	1.93
1225	2600	840	1.10	1.47	872	1.16	1.55	902	1.22	1.63	932	1.28	1.72	960	1.35	1.81	987	1.42	1.91	1013	1.50	2.01
1275	2700	846	1.14	1.53	878	1.20	1.61	908	1.27	1.70	937	1.34	1.79	965	1.40	1.88	992	1.48	1.98	1018	1.55	2.08
1320	2800	853	1.18	1.58	884	1.25	1.67	914	1.31	1.76	943	1.39	1.86	970	1.46	1.96	997	1.54	2.06	1023	1.61	2.16
1370	2900	859	1.23	1.65	890	1.30	1.74	920	1.37	1.83	948	1.44	1.93	975	1.51	2.03	1002	1.60	2.14	1028	1.67	2.24
1415	3000	866	1.28	1.71	896	1.34	1.80	926	1.42	1.90	954	1.49	2.00	981	1.57	2.11	1007	1.66	2.22	1032	1.74	2.33

BLOWER DATA

TAA090 BLOWER PERFORMANCE

All data is measured external to the unit with dry coil and standard 51 mm (2 in.) air filters in place.

FOR ALL UNITS ADD:

1 - Wet indoor coil air resistance of selected unit.

2 - Any field installed accessories air resistance (electric heat, economizer, etc.) See page 16.

Then determine from table the blower motor hp and drive rpm required. See page 15 for blower drive specifications.

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																							
		25 (0.1)			50 (0.2)			75 (0.3)			100 (0.4)			125 (0.5)			150 (0.6)			175 (0.7)			200 (0.8)		
L/s	Cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
1135	2400	508	0.59	0.79	565	0.66	0.89	619	0.73	0.98	667	0.79	1.06	710	0.85	1.14	750	0.92	1.23	787	0.97	1.30	822	1.03	1.38
1180	2500	519	0.62	0.83	577	0.70	0.94	630	0.76	1.02	677	0.82	1.10	720	0.89	1.19	759	0.95	1.28	796	1.01	1.36	830	1.07	1.43
1225	2600	531	0.65	0.87	588	0.73	0.98	641	0.80	1.07	688	0.87	1.16	729	0.93	1.25	769	1.00	1.34	805	1.06	1.42	839	1.11	1.49
1275	2700	543	0.69	0.92	600	0.77	1.03	653	0.84	1.12	698	0.90	1.21	739	0.98	1.31	778	1.04	1.40	814	1.10	1.48	848	1.16	1.55
1320	2800	555	0.72	0.97	613	0.81	1.08	664	0.87	1.17	709	0.95	1.27	749	1.02	1.37	788	1.09	1.46	824	1.15	1.54	857	1.21	1.62
1370	2900	568	0.76	1.02	625	0.84	1.13	676	0.91	1.22	719	0.98	1.32	759	1.07	1.43	797	1.13	1.52	833	1.19	1.60	866	1.25	1.68
1415	3000	581	0.80	1.07	638	0.88	1.18	687	0.95	1.28	730	1.04	1.39	769	1.11	1.49	807	1.18	1.58	842	1.25	1.67	875	1.31	1.75
1465	3100	595	0.84	1.12	651	0.93	1.24	699	1.00	1.34	740	1.08	1.45	779	1.16	1.56	817	1.23	1.65	852	1.29	1.73	883	1.36	1.82
1510	3200	609	0.88	1.18	664	0.97	1.30	710	1.05	1.41	751	1.13	1.52	789	1.22	1.63	827	1.28	1.72	861	1.34	1.80	892	1.41	1.89
1555	3300	624	0.93	1.24	677	1.01	1.36	722	1.10	1.48	761	1.19	1.59	799	1.27	1.70	836	1.34	1.79	870	1.40	1.88	901	1.47	1.97
1605	3400	639	0.97	1.30	690	1.07	1.43	733	1.16	1.55	772	1.25	1.67	810	1.32	1.77	846	1.39	1.86	879	1.45	1.95	909	1.53	2.05
1650	3500	653	1.02	1.37	703	1.12	1.50	745	1.21	1.62	782	1.31	1.75	820	1.38	1.85	856	1.45	1.94	888	1.51	2.03	917	1.60	2.14
1700	3600	668	1.07	1.44	715	1.17	1.57	756	1.27	1.70	793	1.37	1.83	830	1.44	1.93	865	1.51	2.02	897	1.58	2.12	925	1.67	2.24

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																							
		225 (0.9)			250 (1.0)			275 (1.1)			300 (1.2)			325 (1.3)			350 (1.4)			375 (1.5)					
L/s	Cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
1135	2400	855	1.07	1.44	888	1.13	1.51	920	1.19	1.59	950	1.25	1.67	979	1.32	1.77	1006	1.39	1.86	1033	1.46	1.96			
1180	2500	863	1.12	1.50	896	1.17	1.57	928	1.23	1.65	958	1.30	1.74	986	1.37	1.84	1013	1.45	1.94	1039	1.52	2.04			
1225	2600	872	1.16	1.56	904	1.22	1.64	936	1.28	1.72	965	1.36	1.82	993	1.43	1.92	1019	1.51	2.02	1045	1.58	2.12			
1275	2700	880	1.21	1.62	913	1.27	1.70	943	1.34	1.79	972	1.41	1.89	1000	1.49	2.00	1026	1.57	2.10	1052	1.64	2.20			
1320	2800	889	1.26	1.69	921	1.32	1.77	951	1.40	1.87	979	1.47	1.97	1006	1.55	2.08	1033	1.63	2.18	1058	1.71	2.29			
1370	2900	898	1.31	1.76	929	1.38	1.85	959	1.45	1.95	987	1.53	2.05	1013	1.61	2.16	1039	1.69	2.26	1064	1.77	2.37			
1415	3000	906	1.37	1.83	937	1.44	1.93	966	1.51	2.03	994	1.59	2.13	1020	1.67	2.24	1046	1.75	2.35	1070	1.84	2.46			
1465	3100	914	1.42	1.91	944	1.50	2.01	973	1.57	2.11	1001	1.66	2.22	1027	1.74	2.33	1052	1.82	2.44	1077	1.90	2.55			
1510	3200	922	1.48	1.99	952	1.56	2.09	980	1.64	2.20	1008	1.72	2.30	1033	1.80	2.41	1058	1.89	2.53	1083	1.97	2.64			
1555	3300	930	1.54	2.07	959	1.63	2.18	987	1.71	2.29	1014	1.78	2.39	1040	1.87	2.50	1065	1.95	2.62	1089	2.04	2.73			
1605	3400	938	1.61	2.16	966	1.69	2.27	994	1.78	2.38	1021	1.86	2.49	1046	1.94	2.60	1071	2.02	2.71	1095	2.11	2.83			
1650	3500	945	1.69	2.26	973	1.77	2.37	1001	1.85	2.48	1028	1.92	2.58	1053	2.01	2.69	1077	2.10	2.81	1101	2.19	2.93			
1700	3600	953	1.75	2.35	980	1.84	2.47	1008	1.92	2.58	1034	2.00	2.68	1059	2.08	2.79	1084	2.17	2.91	1107	2.26	3.03			

BLOWER DATA

TAA120 BLOWER PERFORMANCE

All data is measured external to the unit with dry coil and standard 51 mm (2 in.) air filters in place.

FOR ALL UNITS ADD:

1 - Wet indoor coil air resistance of selected unit.

2 - Any field installed accessories air resistance (electric heat, economizer, etc.) See page 16.

Then determine from table the blower motor hp and drive rpm required. See page 15 for blower drive specifications.

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																							
		25 (0.1)			50 (0.2)			75 (0.3)			100 (0.4)			125 (0.5)			150 (0.6)			175 (0.7)			200 (0.8)		
L/s	Cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
1038	2200	441	0.08	0.11	483	0.20	0.27	524	0.31	0.42	565	0.41	0.55	605	0.48	0.65	643	0.55	0.74	678	0.60	0.8	713	0.63	0.85
1132	2400	452	0.15	0.2	494	0.27	0.36	536	0.38	0.51	576	0.47	0.63	616	0.54	0.73	653	0.60	0.81	688	0.65	0.87	722	0.69	0.92
1226	2600	463	0.22	0.3	505	0.34	0.45	547	0.45	0.6	588	0.54	0.72	627	0.61	0.82	664	0.66	0.89	699	0.71	0.95	731	0.75	1
1321	2800	475	0.29	0.39	517	0.41	0.55	559	0.51	0.69	600	0.60	0.81	638	0.67	0.9	675	0.73	0.98	709	0.78	1.04	742	0.81	1.09
1415	3000	487	0.37	0.49	529	0.48	0.65	571	0.59	0.79	612	0.68	0.91	650	0.75	1	687	0.80	1.07	721	0.84	1.13	752	0.89	1.19
1509	3200	500	0.45	0.6	542	0.56	0.75	584	0.66	0.89	624	0.75	1.01	663	0.82	1.1	699	0.87	1.17	732	0.92	1.23	764	0.97	1.3
1604	3400	513	0.53	0.71	555	0.64	0.86	597	0.75	1	638	0.83	1.11	676	0.90	1.2	711	0.95	1.28	745	1.01	1.35	775	1.06	1.42
1698	3600	526	0.61	0.82	569	0.73	0.98	611	0.84	1.12	651	0.92	1.23	689	0.98	1.32	725	1.04	1.4	757	1.10	1.47	788	1.16	1.55
1792	3800	540	0.69	0.93	583	0.82	1.1	626	0.93	1.24	666	1.01	1.36	704	1.08	1.45	739	1.14	1.53	771	1.20	1.61	801	1.26	1.69
1887	4000	554	0.78	1.05	598	0.92	1.23	641	1.03	1.38	682	1.12	1.5	719	1.19	1.6	753	1.25	1.68	785	1.31	1.76	814	1.38	1.85
1981	4200	569	0.88	1.18	614	1.02	1.37	658	1.14	1.53	698	1.23	1.65	735	1.31	1.75	768	1.37	1.84	799	1.43	1.92	828	1.51	2.02
2075	4400	585	0.99	1.33	631	1.14	1.53	675	1.26	1.69	715	1.36	1.82	751	1.44	1.93	784	1.50	2.01	814	1.57	2.1	843	1.64	2.2
2170	4600	603	1.12	1.5	650	1.28	1.71	694	1.40	1.88	733	1.50	2.01	769	1.57	2.11	800	1.64	2.2	829	1.71	2.29	858	1.79	2.4
2264	4800	622	1.25	1.68	670	1.42	1.9	714	1.54	2.07	752	1.64	2.2	786	1.72	2.3	816	1.78	2.39	845	1.85	2.48	873	1.95	2.61
2358	5000	643	1.41	1.89	691	1.57	2.11	734	1.70	2.28	771	1.79	2.4	804	1.87	2.5	833	1.93	2.59	860	2.01	2.69	888	2.10	2.82

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																				
		225 (0.9)			250 (1.0)			275 (1.1)			300 (1.2)			325 (1.3)			350 (1.4)			375 (1.5)		
L/s	Cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
1038	2200	746	0.66	0.89	780	0.71	0.95	814	0.75	1.01	847	0.80	1.07	880	0.85	1.14	912	0.90	1.21	941	0.96	1.29
1132	2400	754	0.72	0.97	787	0.77	1.03	821	0.82	1.1	854	0.87	1.17	887	0.93	1.25	918	0.98	1.32	947	1.04	1.4
1226	2600	763	0.79	1.06	796	0.84	1.12	829	0.90	1.2	862	0.95	1.28	895	1.01	1.36	926	1.08	1.45	955	1.14	1.53
1321	2800	773	0.86	1.15	805	0.91	1.22	838	0.97	1.3	871	1.04	1.39	904	1.10	1.48	935	1.18	1.58	964	1.25	1.67
1415	3000	783	0.94	1.26	815	1.00	1.34	848	1.07	1.43	881	1.13	1.52	914	1.21	1.62	944	1.28	1.72	973	1.36	1.82
1510	3200	794	1.02	1.37	826	1.09	1.46	858	1.16	1.56	892	1.24	1.66	924	1.31	1.76	955	1.40	1.87	983	1.48	1.98
1605	3400	806	1.12	1.5	837	1.19	1.6	870	1.27	1.7	903	1.35	1.81	935	1.43	1.92	965	1.52	2.04	994	1.60	2.15
1700	3600	818	1.22	1.64	849	1.30	1.74	882	1.39	1.86	915	1.47	1.97	947	1.56	2.09	977	1.65	2.21	1004	1.74	2.33
1795	3800	831	1.34	1.79	862	1.42	1.91	895	1.51	2.03	928	1.60	2.15	959	1.70	2.28	988	1.79	2.4	1015	1.88	2.52
1890	4000	844	1.46	1.96	876	1.55	2.08	908	1.65	2.21	941	1.75	2.34	972	1.84	2.47	1000	1.94	2.6	1026	2.03	2.72
1980	4200	858	1.60	2.14	890	1.69	2.27	922	1.79	2.4	954	1.89	2.54	984	2.00	2.68	1012	2.10	2.81	1037	2.19	2.94
2075	4400	873	1.74	2.33	904	1.84	2.47	936	1.95	2.61	968	2.05	2.75	997	2.16	2.89	1024	2.26	3.03	1048	2.36	3.16
2170	4600	887	1.89	2.53	919	2.00	2.68	950	2.11	2.83	981	2.22	2.97	1010	2.33	3.12	1035	2.43	3.26	1058	2.53	3.39
2265	4800	902	2.05	2.75	934	2.16	2.9	965	2.28	3.06	995	2.39	3.21	1022	2.51	3.36	1046	2.62	3.51	1068	2.72	3.64
2360	5000	918	2.22	2.98	948	2.34	3.14	979	2.46	3.3	1008	2.58	3.46	1034	2.69	3.61	1057	2.80	3.76	1077	2.90	3.89

BLOWER DATA

TAA150 BLOWER PERFORMANCE

All data is measured external to the unit with dry coil and standard 51 mm (2 in.) air filters in place.

FOR ALL UNITS ADD:

1 - Wet indoor coil air resistance of selected unit.

2 - Any field installed accessories air resistance (electric heat, economizer, etc.) See page 16.

Then determine from table the blower motor hp and drive rpm required. See page 15 for blower drive specifications.

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																							
		25 (0.1)			50 (0.2)			75 (0.3)			100 (0.4)			125 (0.5)			150 (0.6)			175 (0.7)			200 (0.8)		
L/s	Cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
1321	2800	475	0.29	0.39	517	0.41	0.55	559	0.51	0.69	600	0.60	0.81	638	0.67	0.9	675	0.73	0.98	709	0.78	1.04	742	0.81	1.09
1415	3000	487	0.37	0.49	529	0.48	0.65	571	0.59	0.79	612	0.68	0.91	650	0.75	1	687	0.80	1.07	721	0.84	1.13	752	0.89	1.19
1510	3200	500	0.45	0.6	542	0.56	0.75	584	0.66	0.89	624	0.75	1.01	663	0.82	1.1	699	0.87	1.17	732	0.92	1.23	764	0.97	1.3
1605	3400	513	0.53	0.71	555	0.64	0.86	597	0.75	1	638	0.83	1.11	676	0.90	1.2	711	0.95	1.28	745	1.01	1.35	775	1.06	1.42
1700	3600	526	0.61	0.82	569	0.73	0.98	611	0.84	1.12	651	0.92	1.23	689	0.98	1.32	725	1.04	1.4	757	1.10	1.47	788	1.16	1.55
1795	3800	540	0.69	0.93	583	0.82	1.1	626	0.93	1.24	666	1.01	1.36	704	1.08	1.45	739	1.14	1.53	771	1.20	1.61	801	1.26	1.69
1890	4000	554	0.78	1.05	598	0.92	1.23	641	1.03	1.38	682	1.12	1.5	719	1.19	1.6	753	1.25	1.68	785	1.31	1.76	814	1.38	1.85
1980	4200	569	0.88	1.18	614	1.02	1.37	658	1.14	1.53	698	1.23	1.65	735	1.31	1.75	768	1.37	1.84	799	1.43	1.92	828	1.51	2.02
2075	4400	585	0.99	1.33	631	1.14	1.53	675	1.26	1.69	715	1.36	1.82	751	1.44	1.93	784	1.50	2.01	814	1.57	2.1	843	1.64	2.2
2170	4600	603	1.12	1.5	650	1.28	1.71	694	1.40	1.88	733	1.50	2.01	769	1.57	2.11	800	1.64	2.2	829	1.71	2.29	858	1.79	2.4
2265	4800	622	1.25	1.68	670	1.42	1.9	714	1.54	2.07	752	1.64	2.2	786	1.72	2.3	816	1.78	2.39	845	1.85	2.48	873	1.95	2.61
2360	5000	643	1.41	1.89	691	1.57	2.11	734	1.70	2.28	771	1.79	2.4	804	1.87	2.5	833	1.93	2.59	860	2.01	2.69	888	2.10	2.82
2455	5200	666	1.58	2.12	714	1.75	2.34	756	1.86	2.49	791	1.95	2.61	822	2.01	2.7	849	2.08	2.79	876	2.17	2.91	903	2.28	3.05
2550	5400	691	1.77	2.37	738	1.92	2.57	777	2.03	2.72	810	2.10	2.82	839	2.17	2.91	865	2.25	3.01	891	2.33	3.13	919	2.45	3.29
2645	5600	718	1.96	2.63	762	2.10	2.82	799	2.19	2.94	829	2.27	3.04	856	2.33	3.13	881	2.41	3.23	907	2.51	3.37	934	2.63	3.53
2735	5800	746	2.17	2.91	786	2.28	3.06	820	2.36	3.17	848	2.43	3.26	872	2.51	3.36	896	2.59	3.47	922	2.70	3.62	949	2.83	3.8
2830	6000	774	2.37	3.18	810	2.47	3.31	840	2.54	3.4	865	2.60	3.49	888	2.68	3.59	911	2.78	3.72	936	2.89	3.88	963	3.04	4.08

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																							
		225 (0.9)			250 (1.0)			275 (1.1)			300 (1.2)			325 (1.3)			350 (1.4)			375 (1.5)					
L/s	Cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
1321	2800	773	0.86	1.15	805	0.91	1.22	838	0.97	1.3	871	1.04	1.39	904	1.10	1.48	935	1.18	1.58	964	1.25	1.67			
1415	3000	783	0.94	1.26	815	1.00	1.34	848	1.07	1.43	881	1.13	1.52	914	1.21	1.62	944	1.28	1.72	973	1.36	1.82			
1510	3200	794	1.02	1.37	826	1.09	1.46	858	1.16	1.56	892	1.24	1.66	924	1.31	1.76	955	1.40	1.87	983	1.48	1.98			
1605	3400	806	1.12	1.5	837	1.19	1.6	870	1.27	1.7	903	1.35	1.81	935	1.43	1.92	965	1.52	2.04	994	1.60	2.15			
1700	3600	818	1.22	1.64	849	1.30	1.74	882	1.39	1.86	915	1.47	1.97	947	1.56	2.09	977	1.65	2.21	1004	1.74	2.33			
1795	3800	831	1.34	1.79	862	1.42	1.91	895	1.51	2.03	928	1.60	2.15	959	1.70	2.28	988	1.79	2.4	1015	1.88	2.52			
1890	4000	844	1.46	1.96	876	1.55	2.08	908	1.65	2.21	941	1.75	2.34	972	1.84	2.47	1000	1.94	2.6	1026	2.03	2.72			
1980	4200	858	1.60	2.14	890	1.69	2.27	922	1.79	2.4	954	1.89	2.54	984	2.00	2.68	1012	2.10	2.81	1037	2.19	2.94			
2075	4400	873	1.74	2.33	904	1.84	2.47	936	1.95	2.61	968	2.05	2.75	997	2.16	2.89	1024	2.26	3.03	1048	2.36	3.16			
2170	4600	887	1.89	2.53	919	2.00	2.68	950	2.11	2.83	981	2.22	2.97	1010	2.33	3.12	1035	2.43	3.26	1058	2.53	3.39			
2265	4800	902	2.05	2.75	934	2.16	2.9	965	2.28	3.06	995	2.39	3.21	1022	2.51	3.36	1046	2.62	3.51	1068	2.72	3.64			
2360	5000	918	2.22	2.98	948	2.34	3.14	979	2.46	3.3	1008	2.58	3.46	1034	2.69	3.61	1057	2.80	3.76	1077	2.90	3.89			
2455	5200	933	2.39	3.21	963	2.52	3.38	993	2.65	3.55	1020	2.78	3.72	1045	2.89	3.88	1067	3.00	4.02	1086	3.10	4.15			
2550	5400	948	2.58	3.46	978	2.72	3.64	1006	2.85	3.82	1033	2.98	3.99	1056	3.10	4.15	1077	3.21	4.3	1095	3.30	4.43			
2645	5600	963	2.78	3.72	992	2.92	3.91	1019	3.05	4.09	1044	3.19	4.27	1067	3.30	4.43	1086	3.42	4.58	1104	3.51	4.71			
2735	5800	977	2.98	3.99	1005	3.13	4.19	1032	3.27	4.38	1056	3.40	4.56	1077	3.53	4.73	1096	3.64	4.88	1114	3.74	5.01			
2830	6000	991	3.19	4.28	1019	3.35	4.49	1044	3.50	4.69	1067	3.63	4.87	1087	3.76	5.04	1106	3.87	5.19	1123	3.98	5.33			

BLOWER DATA

TAA180 BLOWER PERFORMANCE

All data is measured external to the unit with dry coil and standard 51 mm (2 in.) air filters in place.

FOR ALL UNITS ADD:

1 - Wet indoor coil air resistance of selected unit.

2 - Any field installed accessories air resistance (electric heat, economizer, etc.) See page 17.

Then determine from table the blower motor hp and drive rpm required. See page 15 for blower drive specifications.

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																							
		25 (0.1)			50 (0.2)			75 (0.3)			100 (0.4)			125 (0.5)			150 (0.6)			175 (0.7)			200 (0.8)		
L/s	Cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
2265	4800	440	0.58	0.78	486	0.87	1.16	534	1.09	1.46	582	1.27	1.7	628	1.42	1.9	670	1.54	2.07	709	1.63	2.18	744	1.67	2.24
2360	5000	446	0.66	0.88	492	0.93	1.25	540	1.15	1.54	588	1.32	1.77	634	1.47	1.97	676	1.60	2.14	714	1.69	2.26	748	1.75	2.34
2455	5200	452	0.73	0.98	499	1.00	1.34	547	1.21	1.62	595	1.37	1.84	640	1.52	2.04	682	1.66	2.22	719	1.75	2.34	753	1.81	2.43
2550	5400	458	0.81	1.08	505	1.07	1.43	554	1.27	1.7	602	1.43	1.92	647	1.58	2.12	688	1.72	2.3	724	1.82	2.44	757	1.89	2.54
2645	5600	465	0.88	1.18	512	1.13	1.52	561	1.32	1.77	609	1.48	1.99	653	1.64	2.2	694	1.78	2.39	729	1.89	2.53	762	1.98	2.65
2735	5800	471	0.95	1.28	519	1.20	1.61	568	1.38	1.85	616	1.54	2.07	660	1.70	2.28	700	1.85	2.48	734	1.97	2.64	766	2.07	2.77
2830	6000	478	1.03	1.38	526	1.27	1.7	575	1.44	1.93	623	1.60	2.15	667	1.77	2.37	706	1.92	2.58	740	2.06	2.76	771	2.17	2.91
2925	6200	485	1.10	1.48	534	1.34	1.79	583	1.50	2.01	630	1.66	2.23	674	1.84	2.46	712	2.01	2.69	745	2.15	2.88	776	2.28	3.05
3020	6400	493	1.19	1.59	542	1.40	1.88	591	1.57	2.1	638	1.73	2.32	681	1.91	2.56	718	2.10	2.81	750	2.25	3.01	780	2.39	3.2
3115	6600	500	1.26	1.69	550	1.46	1.96	599	1.63	2.18	646	1.80	2.41	688	1.99	2.67	724	2.19	2.93	755	2.36	3.16	785	2.51	3.36
3210	6800	508	1.34	1.79	558	1.53	2.05	607	1.69	2.27	654	1.87	2.51	695	2.07	2.78	730	2.29	3.07	761	2.48	3.32	789	2.64	3.54
3305	7000	516	1.41	1.89	567	1.60	2.15	616	1.76	2.36	662	1.95	2.61	702	2.17	2.91	736	2.40	3.22	766	2.60	3.49	794	2.78	3.73
3400	7200	525	1.48	1.99	575	1.67	2.24	625	1.84	2.46	670	2.04	2.73	709	2.28	3.05	742	2.52	3.38	771	2.75	3.68	798	2.94	3.94

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																				
		225 (0.9)			250 (1.0)			275 (1.1)			300 (1.2)			325 (1.3)			350 (1.4)			375 (1.5)		
L/s	Cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
2265	4800	778	1.74	2.33	811	1.84	2.47	844	2.01	2.69	876	2.19	2.94	907	2.37	3.18	936	2.52	3.38	966	2.67	3.58
2360	5000	782	1.81	2.43	814	1.93	2.59	847	2.10	2.81	879	2.29	3.07	909	2.48	3.32	939	2.63	3.53	968	2.80	3.75
2455	5200	786	1.89	2.54	818	2.02	2.71	850	2.20	2.95	881	2.40	3.22	912	2.60	3.48	941	2.76	3.7	970	2.93	3.93
2550	5400	790	1.98	2.66	821	2.13	2.85	853	2.31	3.09	884	2.51	3.37	914	2.72	3.64	943	2.89	3.88	972	3.07	4.12
2645	5600	794	2.08	2.79	825	2.23	2.99	856	2.42	3.24	887	2.64	3.54	917	2.85	3.82	946	3.04	4.07	975	3.23	4.33
2735	5800	798	2.19	2.93	828	2.34	3.14	859	2.54	3.41	890	2.77	3.71	919	2.99	4.01	948	3.19	4.28	977	3.40	4.56
2830	6000	801	2.29	3.07	832	2.46	3.3	862	2.67	3.58	892	2.91	3.9	922	3.15	4.22	951	3.36	4.51	980	3.59	4.81
2925	6200	805	2.41	3.23	835	2.59	3.47	865	2.81	3.77	895	3.07	4.11	924	3.31	4.44	953	3.54	4.75	983	3.78	5.07
3020	6400	809	2.54	3.4	839	2.72	3.65	868	2.96	3.97	898	3.22	4.32	927	3.49	4.68	956	3.74	5.01	986	3.99	5.35
3115	6600	813	2.67	3.58	842	2.87	3.85	872	3.12	4.18	901	3.40	4.56	930	3.68	4.93	959	3.94	5.28	989	4.21	5.65
3210	6800	817	2.81	3.77	846	3.03	4.06	875	3.29	4.41	904	3.58	4.8	933	3.88	5.2	962	4.16	5.58	993	4.45	5.97
3305	7000	821	2.97	3.98	849	3.20	4.29	878	3.48	4.66	907	3.78	5.07	936	4.10	5.49	965	4.39	5.89	996	4.71	6.31
3400	7200	825	3.14	4.21	853	3.38	4.53	881	3.67	4.92	910	3.99	5.35	939	4.32	5.79	969	4.64	6.22	1000	4.98	6.67

BLOWER DATA

TAA240 BLOWER PERFORMANCE

All data is measured external to the unit with dry coil and standard 51 mm (2 in.) air filters in place.

FOR ALL UNITS ADD:

1 - Wet indoor coil air resistance of selected unit.

2 - Any field installed accessories air resistance (electric heat, economizer, etc.) See page 17.

Then determine from table the blower motor hp and drive rpm required. See page 15 for blower drive specifications.

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																							
		25 (0.1)			50 (0.2)			75 (0.3)			100 (0.4)			125 (0.5)			150 (0.6)			175 (0.7)			200 (0.8)		
L/s	Cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
3020	6400	535	1.37	1.84	583	1.54	2.06	630	1.70	2.28	674	1.87	2.51	713	2.07	2.77	746	2.26	3.03	776	2.42	3.25	805	2.57	3.44
3115	6600	545	1.45	1.94	593	1.61	2.16	640	1.78	2.38	683	1.96	2.63	720	2.17	2.91	753	2.38	3.19	782	2.56	3.43	810	2.72	3.64
3210	6800	555	1.53	2.05	604	1.69	2.27	650	1.87	2.5	692	2.06	2.76	728	2.28	3.06	759	2.51	3.36	787	2.70	3.62	815	2.87	3.85
3305	7000	566	1.61	2.16	614	1.78	2.38	660	1.95	2.62	701	2.16	2.9	736	2.41	3.23	766	2.65	3.55	793	2.86	3.83	820	3.04	4.08
3400	7200	577	1.69	2.27	625	1.86	2.49	671	2.05	2.75	710	2.28	3.05	743	2.54	3.4	772	2.80	3.75	799	3.02	4.05	825	3.22	4.32
3490	7400	588	1.78	2.38	637	1.95	2.61	681	2.15	2.88	719	2.39	3.21	751	2.68	3.59	778	2.95	3.96	804	3.20	4.29	829	3.42	4.58
3585	7600	600	1.86	2.49	648	2.04	2.74	691	2.26	3.03	727	2.53	3.39	758	2.83	3.79	784	3.12	4.18	809	3.39	4.54	834	3.62	4.85
3680	7800	613	1.95	2.61	660	2.15	2.88	701	2.38	3.19	735	2.66	3.57	764	2.98	4.0	790	3.30	4.42	814	3.58	4.8	839	3.83	5.14
3775	8000	626	2.04	2.73	671	2.25	3.02	711	2.51	3.36	743	2.81	3.77	771	3.15	4.22	796	3.48	4.67	819	3.79	5.08	844	4.07	5.45
3870	8200	638	2.13	2.86	682	2.37	3.18	720	2.65	3.55	751	2.97	3.98	777	3.33	4.46	801	3.68	4.93	824	4.01	5.37	849	4.30	5.77
3965	8400	651	2.24	3	694	2.50	3.35	729	2.80	3.75	758	3.14	4.21	784	3.51	4.7	807	3.89	5.21	829	4.24	5.68	853	4.57	6.12
4060	8600	664	2.35	3.15	704	2.63	3.53	738	2.95	3.96	765	3.31	4.44	789	3.71	4.97	812	4.10	5.5	834	4.48	6.0	858	4.83	6.48
4155	8800	676	2.48	3.32	714	2.78	3.73	746	3.13	4.19	772	3.51	4.7	795	3.92	5.25	817	4.33	5.81	839	4.74	6.35	863	5.12	6.86
4245	9000	688	2.61	3.5	724	2.94	3.94	754	3.30	4.43	778	3.71	4.97	800	4.13	5.54	822	4.57	6.13	844	5.01	6.71	868	5.42	7.27
4340	9200	700	2.77	3.71	733	3.11	4.17	761	3.50	4.69	784	3.92	5.26	806	4.37	5.86	826	4.83	6.48	848	5.29	7.09	873	5.74	7.69
4435	9400	711	2.93	3.93	742	3.30	4.43	768	3.71	4.97	790	4.16	5.57	811	4.62	6.19	831	5.11	6.85	853	5.60	7.5	878	6.08	8.15
4530	9600	721	3.11	4.17	750	3.51	4.71	775	3.94	5.28	796	4.40	5.9	816	4.89	6.56	836	5.41	7.25	858	5.92	7.94	884	6.44	8.63

Air Volume		STATIC PRESSURE EXTERNAL TO UNIT - Pa (Inches Water Gauge)																							
		225 (0.9)			250 (1.0)			275 (1.1)			300 (1.2)			325 (1.3)			350 (1.4)			375 (1.5)					
L/s	Cfm	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP	Rev/min	kW	BHP
3020	6400	833	2.73	3.66	863	2.92	3.92	892	3.16	4.24	922	3.42	4.59	952	3.68	4.93	981	3.94	5.28	1012	4.21	5.65			
3115	6600	838	2.89	3.87	867	3.10	4.15	896	3.35	4.49	926	3.63	4.86	956	3.89	5.22	986	4.18	5.6	1017	4.47	5.99			
3210	6800	842	3.05	4.09	871	3.27	4.39	900	3.54	4.75	930	3.83	5.14	960	4.13	5.54	991	4.43	5.94	1022	4.74	6.36			
3305	7000	847	3.24	4.34	875	3.47	4.65	905	3.75	5.03	934	4.07	5.45	964	4.38	5.87	996	4.70	6.3	1028	5.04	6.75			
3400	7200	851	3.43	4.6	880	3.69	4.94	909	3.98	5.34	939	4.31	5.78	969	4.64	6.22	1001	4.98	6.68	1034	5.34	7.16			
3490	7400	856	3.64	4.88	884	3.91	5.24	913	4.22	5.66	943	4.57	6.13	974	4.92	6.6	1006	5.29	7.09	1040	5.67	7.6			
3585	7600	861	3.86	5.18	888	4.15	5.56	918	4.48	6.01	948	4.85	6.5	980	5.23	7.01	1012	5.62	7.53	1047	6.02	8.07			
3680	7800	865	4.10	5.49	893	4.40	5.9	923	4.76	6.38	953	5.15	6.9	985	5.55	7.44	1019	5.96	7.99	1054	6.39	8.56			
3775	8000	870	4.35	5.83	898	4.68	6.27	928	5.05	6.77	959	5.46	7.32	991	5.89	7.89	1026	6.33	8.48	1062	6.77	9.08			
3870	8200	875	4.62	6.19	903	4.96	6.65	933	5.36	7.19	964	5.80	7.77	998	6.24	8.37	1033	6.71	9.00	1070	7.18	9.63			
3965	8400	879	4.89	6.56	908	5.27	7.07	938	5.69	7.63	970	6.15	8.25	1004	6.63	8.89	1040	7.12	9.54	1078	7.61	10.2			
4060	8600	884	5.19	6.96	913	5.60	7.5	944	6.04	8.1	977	6.53	8.75	1011	7.03	9.43	1048	7.55	10.12	1087	8.06	10.81			
4155	8800	890	5.51	7.39	919	5.94	7.96	950	6.42	8.6	983	6.93	9.29	1019	7.46	10	1057	8.00	10.73	1096	8.53	11.44			
4245	9000	895	5.84	7.83	924	6.30	8.45	956	6.81	9.13	991	7.35	9.85	1027	7.91	10.6	1066	8.47	11.36	1105	9.03	12.11			
4340	9200	900	6.20	8.31	931	6.69	8.97	963	7.23	9.69	998	7.80	10.45	1036	8.39	11.24	1075	8.97	12.03	1115	9.55	12.8			
4435	9400	906	6.57	8.81	937	7.09	9.51	970	7.67	10.28	1006	8.27	11.08	1045	8.88	11.91	1085	9.50	12.73	1125	10.09	13.52			
4530	9600	912	6.97	9.34	944	7.53	10.09	978	8.13	10.9	1015	8.77	11.75	1054	9.41	12.61	1095	10.04	13.46	1136	10.65	14.28			

BLOWER DATA

BLOWER DRIVE SPECIFICATIONS

Static	REV/MIN Range	Motor kW		Motor HP		072	090	120	150	180	240
		Nominal	Maximum	Nominal	Maximum						
Low	541 - 735	1.5	1.7	2	2.3	O	---	---	---	---	---
Standard	704 - 911	1.5	1.7	2	2.3	S	---	---	---	---	---
High	889 - 1083	1.5	1.7	2	2.3	O	---	---	---	---	---
Low	616 - 798	1.5	1.7	2	2.3	---	O	---	---	---	---
Standard	773 - 967	1.5	1.7	2	2.3	---	S	---	---	---	---
High	953 - 1160	2.2	2.6	3	3.45	---	O	---	---	---	---
Low	657 - 851	1.5	1.7	2	2.3	---	---	O	---	---	---
Standard	812 - 1005	1.5	1.7	2	2.3	---	---	S	---	---	---
High	996 - 1212	2.2	2.6	3	3.45	---	---	O	---	---	---
Low	785 - 955	2.2	2.6	3	3.45	---	---	---	O	---	---
Standard	953 - 1160	2.2	2.6	3	3.45	---	---	---	S	---	---
High	1125 - 1342	3.5	4.3	5	5.75	---	---	---	O	---	---
Low	616 - 798	2.2	2.6	3	3.45	---	---	---	---	O	---
Standard	773 - 967	3.5	4.3	5	5.75	---	---	---	---	S	---
High	953 - 1160	3.5	4.0	5	5.75	---	---	---	---	O	---
Low	679 - 863	3.5	4.0	5	5.75	---	---	---	---	---	O
Standard	843 - 1078	5.6	6.4	7.5	8.62	---	---	---	---	---	S
High	1078 - 1274	5.6	6.4	7.5	8.62	---	---	---	---	---	O

NOTE - Using total air volume and system static pressure requirements, determine from blower performance tables Rev/min and motor horsepower required. Maximum usable horsepower of motors furnished by Lennox are shown. If motors of comparable horsepower are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

S - Factory installed standard

O - Factory Installed with extended lead time.

BLOWER MOTOR ELECTRICAL DATA

		Model No.	072	090	120	150	180	240
1.5 kW (2 HP) Blower Motor	Maximum Overcurrent Protection	380/420V-50hz-3ph	15 / 5	15 / 5	15 / 5	---	---	---
	Minimum Circuit Ampacity							
2.2 kW (3 HP) Blower Motor	Maximum Overcurrent Protection	380/420V-50hz-3ph	---	15 / 7	15 / 7	15 / 7	15 / 7	---
	Minimum Circuit Ampacity							
3.5 kW (5 HP) Blower Motor	Maximum Overcurrent Protection	380/420V-50hz-3ph	---	---	---	15 / 10	15 / 10	15 / 10
	Minimum Circuit Ampacity							
5.6 kW (7.5 HP) Blower Motor	Maximum Overcurrent Protection	380/420V-50hz-3ph	---	---	---	15 / 10	15 / 10	20 / 14
	Minimum Circuit Ampacity							

BLOWER DATA

TAA072-090 ACCESSORY AIR RESISTANCE

Air Volume		Total Resistance													
		Wet Coil				127 mm Filters				Economizer		Electric Heat		Hot Water Coil	
		072		090		MERV 11		MERV 16							
L/s	cfm	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.
895	1900	17	0.07	22	0.09	7	0.03	10	0.04	10	0.04	5	0.02	30	0.12
945	2000	17	0.07	25	0.10	7	0.03	10	0.04	10	0.04	5	0.02	32	0.13
990	2100	20	0.08	27	0.11	7	0.03	10	0.04	10	0.04	5	0.02	35	0.14
1040	2200	20	0.08	27	0.11	7	0.03	12	0.05	12	0.05	5	0.02	37	0.15
1085	2300	22	0.09	30	0.12	7	0.03	12	0.05	12	0.05	7	0.03	40	0.16
1135	2400	25	0.10	32	0.13	10	0.04	15	0.06	12	0.05	7	0.03	42	0.17
1180	2500	25	0.10	35	0.14	10	0.04	15	0.06	15	0.06	7	0.03	45	0.18
1225	2600	27	0.11	37	0.15	10	0.04	15	0.06	15	0.06	7	0.03	47	0.19
1275	2700	30	0.12	40	0.16	12	0.05	15	0.06	17	0.07	10	0.04	50	0.20
1320	2800	30	0.12	42	0.17	12	0.05	15	0.06	17	0.07	10	0.04	52	0.21
1370	2900	32	0.13	45	0.18	12	0.05	17	0.07	20	0.08	10	0.04	57	0.23
1415	3000	35	0.14	47	0.19	12	0.05	17	0.07	20	0.08	12	0.05	60	0.24
1465	3100	35	0.14	50	0.20	15	0.06	17	0.07	22	0.09	12	0.05	62	0.25
1510	3200	37	0.15	52	0.21	15	0.06	17	0.07	22	0.09	12	0.05	67	0.27
1555	3300	40	0.16	55	0.22	15	0.06	20	0.08	25	0.10	15	0.06	70	0.28
1605	3400	42	0.17	57	0.23	15	0.06	20	0.08	25	0.10	15	0.06	72	0.29
1650	3500	45	0.18	60	0.24	17	0.07	20	0.08	27	0.11	15	0.06	77	0.31
1700	3600	45	0.18	62	0.25	17	0.07	20	0.08	30	0.12	15	0.06	80	0.32

TAA120-150 ACCESSORY AIR RESISTANCE

Air Volume		Total Resistance													
		Wet Coil				127 mm Filters				Economizer		Electric Heat		Hot Water Coil	
		120		150		MERV 11		MERV 16							
L/s	cfm	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.
1415	3000	27	0.11	27	0.11	7	0.03	12	0.05	10	0.04	12	0.05	60	0.24
1510	3200	30	0.12	30	0.12	10	0.04	12	0.05	10	0.04	12	0.05	67	0.27
1605	3400	35	0.14	35	0.14	10	0.04	15	0.06	12	0.05	15	0.06	72	0.29
1700	3600	37	0.15	37	0.15	12	0.05	15	0.06	12	0.05	15	0.06	80	0.32
1795	3800	40	0.16	40	0.16	12	0.05	17	0.07	12	0.05	15	0.06	87	0.35
1890	4000	45	0.18	45	0.18	15	0.06	17	0.07	15	0.06	20	0.08	94	0.38
1980	4200	47	0.19	47	0.19	15	0.06	17	0.07	15	0.06	20	0.08	102	0.41
2075	4400	50	0.20	50	0.20	15	0.06	20	0.08	17	0.07	22	0.09	109	0.44
2170	4600	55	0.22	55	0.22	17	0.07	20	0.08	17	0.07	22	0.09	117	0.47
2265	4800	57	0.23	57	0.23	17	0.07	20	0.08	20	0.08	25	0.10	127	0.51
2360	5000	62	0.25	62	0.25	17	0.07	20	0.08	20	0.08	25	0.10	134	0.54
2455	5200	67	0.27	67	0.27	20	0.08	22	0.09	22	0.09	27	0.11	144	0.58
2550	5400	70	0.28	70	0.28	20	0.08	22	0.09	22	0.09	27	0.11	152	0.61
2645	5600	75	0.30	75	0.30	20	0.08	22	0.09	25	0.10	32	0.13	162	0.65
2735	5800	80	0.32	80	0.32	22	0.09	25	0.10	25	0.10	32	0.13	172	0.69
2830	6000	82	0.33	82	0.33	22	0.09	25	0.10	27	0.11	35	0.14	179	0.72

BLOWER DATA

TAA180-240 ACCESSORY AIR RESISTANCE

Air Volume		Total Resistance													
		Wet Coil				127 mm Filters				Economizer		Electric Heat		Hot Water Coil	
		080		240		MERV 11		MERV 16							
L/s	cfm	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.
2125	4500	20	0.08	27	0.11	7	0.03	12	0.05	12	0.05	15	0.06	60	0.24
2240	4750	22	0.09	30	0.12	10	0.04	12	0.05	15	0.06	20	0.08	65	0.26
2360	5000	25	0.10	32	0.13	10	0.04	15	0.06	17	0.07	22	0.09	70	0.28
2475	5250	27	0.11	35	0.14	10	0.04	15	0.06	17	0.07	22	0.09	77	0.31
2595	5500	27	0.11	37	0.15	12	0.05	15	0.06	20	0.08	27	0.11	82	0.33
2715	5750	30	0.12	40	0.16	12	0.05	15	0.06	20	0.08	27	0.11	87	0.35
2830	6000	32	0.13	45	0.18	12	0.05	17	0.07	25	0.10	30	0.12	94	0.38
2950	6250	35	0.14	47	0.19	15	0.06	17	0.07	27	0.11	35	0.14	99	0.40
3065	6500	37	0.15	50	0.20	15	0.06	17	0.07	27	0.11	35	0.14	107	0.43
3185	6750	40	0.16	52	0.21	15	0.06	20	0.08	30	0.12	37	0.15	114	0.46
3305	7000	42	0.17	55	0.22	17	0.07	20	0.08	30	0.12	37	0.15	119	0.48
3420	7250	45	0.18	60	0.24	17	0.07	20	0.08	32	0.13	42	0.17	127	0.51
3540	7500	47	0.19	62	0.25	17	0.07	20	0.08	32	0.13	42	0.17	134	0.54
3655	7750	47	0.19	65	0.26	20	0.08	22	0.09	35	0.14	45	0.18	142	0.57
3775	8000	52	0.21	70	0.28	20	0.08	22	0.09	40	0.16	50	0.20	149	0.60
3895	8250	55	0.22	72	0.29	20	0.08	22	0.09	40	0.16	50	0.20	157	0.63
4010	8500	57	0.23	77	0.31	22	0.09	25	0.1	42	0.17	52	0.21	164	0.66
4130	8750	60	0.24	80	0.32	22	0.09	25	0.1	42	0.17	52	0.21	172	0.69
4245	9000	62	0.25	82	0.33	22	0.09	25	0.1	45	0.18	57	0.23	179	0.72
4365	9250	65	0.26	87	0.35	25	0.10	27	0.11	47	0.19	60	0.24	189	0.76
4485	9500	67	0.27	90	0.36	25	0.10	27	0.11	50	0.20	65	0.26	196	0.79
4600	9750	70	0.28	94	0.38	25	0.10	27	0.11	55	0.22	67	0.27	204	0.82
4720	10 000	72	0.29	99	0.40	27	0.11	30	0.12	57	0.23	72	0.29	214	0.86

OPTIONAL ELECTRIC HEAT DATA

072-090

¹ Electric Heat Size	No. of Steps	Volts Input	kW Input	² Btuh Output	TAA072		TAA090					
					Total Unit + Electric Heat		Total Unit + Electric Heat					
					³ Minimum Circuit Ampacity		⁴ Maximum Overcurrent Protection		³ Minimum Circuit Ampacity		⁴ Maximum Overcurrent Protection	
					1.5 kW (2 hp)	1.5 kW (2 hp)	1.1 kW (1.5 hp)	1.5 kW (2 hp)	1.1 kW (1.5 hp)	1.5 kW (2 hp)		
7.6 kW	1	380	6.3	21 400	18	20	18	20	20	20		
		400	6.9	23 400								
		420	7.6	26 000								
11.5 kW	1	380	9.4	32 100	25	25	25	26	25	30		
		400	10.5	35 700								
		420	11.5	39 300								
19.1 kW	1	380	15.7	53 500	38	40	38	40	40	40		
		400	17.3	59 200								
		420	19.1	65 200								
25.5 kW	1	380	20.9	71 300	---	---	49	51	50	60		
		400	23.1	79 000								
		420	25.5	87 100								

OPTIONAL ELECTRIC HEAT DATA

120-150

¹ Electric Heat Size	No. of Steps	Volts Input	kW Input	² Btuh Output	TAA120				TAA150			
					Total Unit + Electric Heat				Total Unit + Electric Heat			
					³ Minimum Circuit Ampacity		⁴ Maximum Overcurrent Protection		³ Minimum Circuit Ampacity		⁴ Maximum Overcurrent Protection	
					1.5 kW (2 hp)	2.2 kW (3 hp)	1.5 kW (2 hp)	2.2 kW (3 hp)	2.2 kW (3 hp)	3.7 kW (5 hp)	2.2 kW (3 hp)	3.7 kW (5 hp)
7.6 kW	1	380	6.3	21 400	18	20	20	20	20	23	20	25
		400	6.9	23 400								
		420	7.6	26 000								
11.5 kW	1	380	9.4	32 100	25	26	25	30	26	30	30	30
		400	10.5	35 700								
		420	11.5	39 300								
19.1 kW	1	380	15.7	53 500	35	40	40	40	40	43	40	45
		400	17.3	59 200								
		420	19.1	65 200								
25.5 kW	1	380	20.9	71 300	49	51	50	60	51	54	60	60
		400	23.1	79 000								
		420	25.5	87 100								

OPTIONAL ELECTRIC HEAT DATA

180-240

¹ Electric Heat Size	No. of Steps	Volts Input	kW Input	² Btuh Output	TAA180				TAA240			
					Total Unit + Electric Heat				Total Unit + Electric Heat			
					³ Minimum Circuit Ampacity		⁴ Maximum Overcurrent Protection		³ Minimum Circuit Ampacity		⁴ Maximum Overcurrent Protection	
					1.5 kW (2 hp)	2.2 kW (3 hp)	1.5 kW (2 hp)	2.2 kW (3 hp)	2.2 kW (3 hp)	3.7 kW (5 hp)	2.2 kW (3 hp)	3.7 kW (5 hp)
15.3 kW	1	380	12.5	42 700	33	36	35	40	36	41	40	45
		400	13.9	47 300								
		420	15.3	52 300								
23.0 kW	1	380	18.8	64 300	46	50	50	50	50	55	50	60
		400	20.9	71 200								
		420	23.0	78 500								
30.6 kW	1	380	25.1	85 600	58	61	60	70	61	66	70	70
		400	27.8	94 900								
		420	30.6	104 500								
38.3 kW	1	380	31.3	107 000	72	76	80	80	76	81	80	90
		400	34.7	118 500								
		420	38.3	130 800								

¹ Nominal kW based on 400V/3ph/50hz.

² Electric heater capacity only - does not include additional blower motor heat capacity.

³ Refer to local codes to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 75°C (167°F).

⁴ Heating, Air Conditioning, Refrigeration type breaker or fuse.

SPECIFICATIONS - HOT WATER COIL

General Data	Hot Water Coil Model No.	T2HWCL10LM1-	T2HWCL10N-1-
	Air Handler Model No.	TAA072 TAA090 TAA120 TAA150	TAA180 TAA240
Water Line Connections	Inlet o.d. - mm (in.) (sweat)	35 (1-3/8)	35 (1-3/8)
	Outlet o.d. - mm (in.) (sweat)	35 (1-3/8)	35 (1-3/8)
Hot Water Coil	Net face area - m ² (sq. ft.)	0.56 (6.00)	0.84 (9.00)
	Tube diameter - mm (in.)	9.5 (3/8)	9.5 (3/8)
	Fins per mm (inch)	551 (14)	551 (14)

HOT WATER COIL - WATER PRESSURE DROP

Model No.	Flow Rate (L/min)																	
	8	15	23	30	38	45	53	61	68	76	83	91	98	106	114	121	129	136
	Water Pressure Drop (kPa)																	
TAA072 TAA090 TAA120 TAA150	0.06	0.30	0.60	0.99	1.46	2.00	2.60	3.29	4.04	4.84	5.71	6.67	7.68	8.73	9.86	11.06	12.28	13.60
TAA180 TAA240	0.09	0.45	0.90	1.49	2.18	2.99	3.89	4.93	6.04	7.26	8.58	9.98	11.51	13.09	14.80	16.59	18.44	20.41

Model No.	Flow Rate (L/min)																
	144	151	159	167	174	182	189	197	204	212	220	227	235	242	250	257	265
	Water Pressure Drop (kPa)																
TAA072 TAA090 TAA120 TAA150	14.97	16.38	17.87	19.40	20.98	22.63	24.33	26.09	27.89	29.77	31.68	33.66	35.66	37.75	39.87	42.06	44.30
TAA180 TAA240	22.45	24.57	26.81	29.11	31.47	33.96	36.50	39.13	41.85	44.66	47.53	50.48	53.50	56.61	59.81	63.07	66.42

HOT WATER COIL CAPACITIES - 072-150

Model No.	Airflow (L/s)	Entering Water Temperature (°C)																											
		60				70				80																			
		11			17			22			11			17			22												
Entering Air Temp (°C)		L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT							
072	905	4	48.3	37.0	38.0	29.5	33.9	35.2	19.9	30.6	32.1	60.3	45.9	46.1	37.6	42.9	43.4	26.1	39.8	40.5	72.5	54.7	54.1	45.7	51.9	51.5	32.3	48.9	48.8
		15	37.0	28.3	41.4	21.8	25.1	38.5	14.1	21.7	35.4	48.8	37.2	49.5	29.9	34.2	46.8	20.3	31.0	43.9	60.8	45.9	57.5	38.0	43.1	55.0	26.5	40.1	52.2
		27	25.7	19.6	44.8	14.2	16.3	41.7	8.1	12.5	38.2	37.4	28.5	52.9	22.2	25.4	50.1	14.5	22.1	47.0	49.3	37.2	61.0	30.3	34.4	58.3	20.7	31.3	55.5
072	1135	4	56.4	43.2	35.8	34.2	39.4	33.0	23.0	35.4	30.1	70.5	53.7	43.4	43.8	50.0	40.7	32.4	47.0	38.6	84.8	64.1	50.9	53.4	60.6	48.4	38.5	56.9	46.1
		15	43.1	33.0	39.7	25.3	29.1	36.9	16.2	25.0	33.8	57.0	43.4	47.3	34.8	39.8	44.6	23.5	35.9	41.8	71.2	53.8	54.9	44.3	50.3	52.3	30.8	46.5	49.7
		27	29.8	22.8	43.5	16.3	18.8	40.5	9.3	14.3	37.2	43.6	33.2	51.2	25.8	29.5	48.4	16.7	25.5	45.5	57.6	43.5	58.8	35.2	40.0	56.2	24.0	36.3	53.4
072	1360	4	63.8	48.9	34.0	38.6	44.4	31.3	25.9	39.7	28.4	79.8	60.8	41.1	49.4	56.5	38.6	34.1	52.1	35.9	96.1	72.6	48.3	60.3	68.5	45.8	42.4	64.2	43.3
		15	48.6	37.3	38.3	28.5	32.8	35.5	18.2	27.9	32.6	64.5	49.1	45.5	39.2	44.9	42.9	26.4	40.3	40.1	80.6	60.9	52.6	50.0	56.8	50.1	34.6	52.6	47.6
		27	33.5	25.7	42.5	18.3	21.1	39.6	10.3	15.8	36.4	49.3	37.5	49.7	29.0	33.2	47.1	18.7	28.6	44.2	65.2	49.3	56.9	39.7	45.2	54.4	26.9	40.8	51.7
090	1135	4	56.4	43.2	35.8	34.2	39.4	33.0	23.0	35.4	30.1	70.5	53.7	43.4	43.8	50.0	40.7	32.4	47.0	38.6	84.8	64.1	50.9	53.4	60.6	48.4	38.5	56.9	46.1
		15	43.1	33.0	39.7	25.3	29.1	36.9	16.2	25.0	33.8	57.0	43.4	47.3	34.8	39.8	44.6	23.5	35.9	41.8	71.2	53.8	54.9	44.3	50.3	52.3	30.8	46.5	49.7
		27	29.8	22.8	43.5	16.3	18.8	40.5	9.3	14.3	37.2	43.6	33.2	51.2	25.8	29.5	48.4	16.7	25.5	45.5	57.6	43.5	58.8	35.2	40.0	56.2	24.0	36.3	53.4
090	1415	4	65.5	50.2	33.6	39.6	45.6	30.9	26.5	40.7	28.1	82.0	62.4	40.7	50.7	58.0	38.1	35.0	53.4	35.4	98.8	74.6	47.7	61.9	70.3	45.2	43.5	66.0	42.7
		15	50.0	38.3	37.9	29.2	33.6	35.2	18.6	28.6	32.3	66.3	50.5	45.1	40.2	46.0	42.5	27.1	41.4	39.8	82.8	62.5	52.1	51.4	58.4	49.7	35.5	53.9	47.1
		27	34.4	26.4	42.2	18.7	21.6	39.4	10.6	16.2	36.2	50.6	38.5	49.4	29.8	34.1	46.8	19.2	29.3	43.9	67.0	50.6	56.5	40.8	46.4	54.0	27.6	41.9	51.4
120	1700	4	73.7	56.5	31.8	44.4	51.1	29.2	29.6	45.6	26.5	92.4	70.3	38.4	57.0	65.2	36.0	39.2	59.9	33.4	111.3	84.1	45.1	69.7	79.1	42.7	48.9	74.1	40.3
		15	56.1	43.0	36.5	32.7	37.6	33.9	20.8	31.9	31.1	74.6	56.8	43.2	45.2	51.7	40.7	30.3	46.3	38.1	93.3	70.5	49.9	57.7	65.6	47.5	39.9	60.5	45.0
		27	38.6	29.6	41.2	20.9	24.1	38.5	11.7	17.9	35.5	56.9	43.3	48.0	33.3	38.2	45.4	21.4	32.7	42.7	75.4	57.0	54.7	45.8	52.1	52.2	30.9	46.9	49.7
120	1510	4	68.3	52.4	32.9	41.3	47.5	30.3	27.6	42.4	27.5	85.6	65.2	39.9	52.9	60.5	37.3	36.5	55.7	34.7	103.1	77.9	46.8	64.6	73.3	44.3	45.3	68.8	41.9
		15	52.1	39.9	37.4	30.4	35.0	34.7	19.4	29.8	31.9	69.1	52.6	44.4	41.9	48.0	41.9	28.2	43.1	39.2	86.4	65.3	51.4	53.6	60.8	48.9	37.1	56.2	46.4
		27	35.9	27.5	41.9	19.5	22.4	39.1	10.9	16.8	36.0	52.8	40.2	48.9	31.0	35.5	46.3	19.9	30.5	43.5	69.9	52.8	55.9	42.5	48.3	53.3	28.8	43.6	50.8
120	1890	4	78.8	60.3	30.7	47.4	54.6	28.2	31.6	48.5	25.6	98.8	75.2	37.2	60.9	69.7	34.7	39.2	59.9	33.4	119.1	90.0	43.6	74.5	84.6	41.2	52.1	79.1	38.8
		15	60.0	45.9	35.7	34.8	40.1	33.1	22.1	33.9	30.4	79.8	60.7	42.2	48.2	55.1	39.7	30.3	46.3	38.1	99.9	75.4	48.6	61.7	70.1	46.3	42.5	64.5	43.9
		27	41.2	31.6	40.6	22.2	25.6	38.0	12.4	19.0	35.1	60.8	46.3	47.1	35.6	40.7	44.7	21.4	32.7	42.7	80.6	60.9	53.6	48.9	55.6	51.2	33.0	50.0	48.8
150	2265	4	88.1	67.5	28.9	52.8	60.8	26.5	35.1	53.9	24.0	110.6	84.2	35.0	68.0	77.8	32.7	36.5	55.7	34.7	133.4	100.8	41.0	83.3	94.6	38.7	58.2	88.3	36.5
		15	67.0	51.3	34.3	38.8	44.6	31.9	24.5	37.6	29.3	89.2	67.9	40.4	53.8	61.5	38.1	28.2	43.1	39.2	111.8	84.4	46.4	69.0	78.3	44.2	47.5	72.0	41.9
		27	45.9	35.2	39.6	24.6	28.3	37.1	13.6	20.9	34.4	68.0	51.7	45.7	39.6	45.3	43.4	19.9	30.5	43.5	90.3	68.2	51.8	54.7	62.0	49.5	36.7	55.7	47.2
150	1890	4	78.8	60.3	30.7	47.4	54.6	28.2	31.6	48.5	25.6	98.8	75.2	37.2	60.9	69.7	34.7	39.2	59.9	33.4	119.1	90.0	43.6	74.5	84.6	41.2	52.1	79.1	38.8
		15	60.0	45.9	35.7	34.8	40.1	33.1	22.1	33.9	30.4	79.8	60.7	42.2	48.2	55.1	39.7	30.3	46.3	38.1	99.9	75.4	48.6	61.7	70.1	46.3	42.5	64.5	43.9
		27	41.2	31.6	40.6	22.2	25.6	38.0	12.4	19.0	35.1	60.8	46.3	47.1	35.6	40.7	44.7	21.4	32.7	42.7	80.6	60.9	53.6	48.9	55.6	51.2	33.0	50.0	48.8
150	2360	4	90.3	69.2	28.5	54.1	62.3	26.1	36.0	55.3	23.7	113.4	86.3	34.5	69.7	79.7	32.2	47.7	72.9	29.8	136.7	103.3	40.4	85.4	96.9	38.2	59.6	90.4	35.9
		15	68.6	52.6	34.0	39.7	45.7	31.6	25.0	38.5	29.1	91.5	69.6	40.0	55.1	63.0	37.7	36.8	56.2	35.3	114.6	86.6	45.9	70.7	80.2	43.7	48.6	73.7	41.4
		27	47.0	36.0	39.4	25.2	29.0	36.9	13.9	21.4	34.2	69.7	53.0	45.4	40.6	46.4	43.1	25.8	39.5	40.6	92.5	69.9	51.4	56.0	63.5	49.2	37.6	57.0	46.8
150	2830	4	100.6	77.1	26.8	60.1	69.2	24.5	39.8	61.1	22.2	126.4	96.2	32.3	77.5	88.6	30.2	53.0	80.9	27.9	152.5	115.2	37.9	95.1	107.9	35.7	66.2	100.5	33.6
		15	76.3	58.4	32.7	44.0	50.7	30.4	27.6	42.5	28.0	101.9	77.5	38.2	61.2	70.0	36.0	40.8	62.3	33.8	127.8	96.5	43.8	78.6	89.2	41.6	53.9	81.8	39.5
		27	52.2	40.0	38.5	27.8	32.0	36.1	15.3	23.5	33.6	77.5	59.0	44.1	45.0	51.4	41.8	28.5	43.6	39.5	103.1	77.9	49.6	62.2	70.6	47.5	41.6	63.2	45.3

LAT = Leaving Air Temperature

HOT WATER COIL CAPACITIES - 072-150

Model No.	Airflow (L/s)	Entering Air Temp (°C)	95									100								
			11			17			22			11			17			22		
			L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT
072	905	4	84.8	63.5	62.0	54.0	60.8	59.5	38.5	57.9	56.9	91.0	67.9	66.0	58.1	65.2	63.5	41.6	62.4	61.0
		15	73.0	54.7	65.5	46.1	52.0	63.0	32.6	49.1	60.4	79.2	59.1	69.5	50.2	56.4	67.1	35.7	53.6	64.5
		27	61.3	45.9	69.0	38.3	43.2	66.5	26.8	40.3	63.8	67.4	50.3	73.0	42.4	47.6	70.5	29.9	44.8	67.9
	1135	4	99.3	74.4	58.4	64.0	70.7	56.1	47.9	70.7	56.7	106.8	79.1	62.2	70.4	76.1	59.9	49.2	72.5	57.2
		15	85.5	64.1	62.4	53.9	60.7	59.9	38.8	57.0	58.2	92.7	69.2	66.1	58.9	65.8	63.8	43.5	62.8	63.3
		27	71.8	53.8	66.3	44.8	50.4	63.8	31.2	46.9	61.3	79.0	58.9	70.1	49.6	55.6	67.6	34.9	52.3	65.2
		4	112.5	84.3	55.4	71.4	80.4	53.0	50.7	76.3	50.5	120.9	90.2	59.0	77.0	86.3	56.6	54.9	82.3	54.2
1360	15	96.9	72.6	59.8	60.9	68.6	57.4	42.9	64.6	54.9	105.1	78.4	63.3	66.4	74.5	61.0	47.1	70.5	58.5	
	27	81.3	60.9	64.1	50.6	57.0	61.7	35.1	52.9	59.2	89.4	66.7	67.7	56.0	62.8	65.3	39.3	58.8	62.8	
	4	99.3	74.4	58.4	64.0	70.7	56.1	47.9	70.7	56.7	106.8	79.1	62.2	70.4	76.1	59.9	49.2	72.5	57.2	
1135	15	85.5	64.1	62.4	53.9	60.7	59.9	38.8	57.0	58.2	92.7	69.2	66.1	58.9	65.8	63.8	43.5	62.8	63.3	
	27	71.8	53.8	66.3	44.8	50.4	63.8	31.2	46.9	61.3	79.0	58.9	70.1	49.6	55.6	67.6	34.9	52.3	65.2	
	4	115.7	86.7	54.7	73.3	82.6	52.4	52.0	78.4	49.9	124.3	92.7	58.2	79.0	88.6	55.9	56.4	84.5	53.5	
090	15	99.6	74.6	59.2	62.6	70.5	56.8	44.1	66.3	54.3	108.0	80.6	62.7	68.3	76.6	60.3	48.3	72.4	57.9	
	27	83.5	62.6	63.6	52.0	58.5	61.2	36.1	54.3	58.7	91.9	68.6	67.1	57.5	64.6	64.7	40.3	60.4	62.3	
	4	130.5	97.8	51.7	82.5	93.0	49.4	58.6	88.1	47.0	140.2	104.6	55.0	89.0	99.9	52.7	63.4	95.1	50.4	
1700	15	112.3	84.2	56.6	70.4	79.4	54.2	49.5	74.5	51.9	121.9	90.9	59.9	76.9	86.2	57.6	54.4	81.5	55.3	
	27	94.2	70.6	61.4	58.4	65.8	59.0	40.5	60.9	56.6	103.7	77.4	64.7	64.8	72.6	62.4	45.3	67.9	60.0	
	4	120.8	90.5	53.7	76.5	86.1	51.3	54.3	81.7	48.9	129.8	96.8	57.1	82.5	92.5	54.8	58.8	88.1	52.4	
1510	15	104.0	77.9	58.3	65.3	73.6	55.9	46.0	69.1	53.5	112.9	84.2	61.7	71.2	79.9	59.4	50.4	75.6	57.0	
	27	87.2	65.4	62.8	54.2	61.1	60.4	37.6	56.6	57.9	96.0	71.6	66.3	60.0	67.3	63.9	42.0	63.0	61.5	
	4	139.6	104.7	50.0	88.3	99.5	47.7	62.5	94.1	45.4	150.1	112.0	53.2	95.2	106.8	50.9	67.8	101.6	48.6	
120	15	120.1	90.0	55.1	75.3	84.8	52.8	52.8	79.5	50.4	130.4	97.3	58.2	82.3	92.3	56.0	58.1	87.0	53.7	
	27	100.8	75.5	60.1	62.5	70.3	57.8	43.2	65.0	55.4	111.0	82.8	63.3	69.2	77.7	61.0	48.3	72.4	58.7	
	4	156.6	117.4	47.0	98.8	111.3	44.8	69.9	105.2	42.6	168.3	125.6	50.0	106.6	119.6	47.8	75.8	113.6	45.6	
2265	15	134.7	100.9	52.4	84.3	94.9	50.3	59.1	88.8	48.0	146.3	109.2	55.5	92.0	103.2	53.3	64.8	97.2	51.1	
	27	112.9	84.6	57.8	69.8	78.6	55.7	48.2	72.6	53.4	124.4	92.8	60.9	77.5	86.9	58.7	53.9	80.9	56.5	
	4	139.6	104.7	50.0	88.3	99.5	47.7	62.5	94.1	45.4	150.1	112.0	53.2	95.2	106.8	50.9	67.8	101.6	48.6	
1890	15	120.1	90.0	55.1	75.3	84.8	52.8	52.8	79.5	50.4	130.4	97.3	58.2	82.3	92.3	56.0	58.1	87.0	53.7	
	27	100.8	75.5	60.1	62.5	70.3	57.8	43.2	65.0	55.4	111.0	82.8	63.3	69.2	77.7	61.0	48.3	72.4	58.7	
	4	160.6	120.3	46.3	101.3	114.0	44.1	71.6	107.8	42.0	172.6	128.7	49.3	109.3	122.6	47.1	77.6	116.4	45.0	
150	15	138.1	103.5	51.9	86.3	97.3	49.7	60.5	91.1	47.5	150.0	111.9	54.8	94.3	105.8	52.7	66.4	99.6	50.5	
	27	115.8	86.8	57.4	71.6	80.6	55.2	49.4	74.3	53.0	127.6	95.2	60.3	79.4	89.0	58.2	55.3	82.9	56.0	
	4	179.1	134.2	43.4	112.8	127.1	41.3	79.7	119.9	39.2	192.6	143.7	46.1	121.8	136.6	44.1	86.4	129.5	42.0	
2830	15	154.0	115.4	49.3	96.2	108.4	47.2	67.2	101.2	45.1	167.4	124.9	52.1	105.1	117.9	50.0	73.9	110.8	47.9	
	27	129.1	96.7	55.2	79.6	89.7	53.1	54.8	82.5	51.0	142.3	106.1	58.0	88.4	99.1	55.9	61.4	92.1	53.8	

LAT = Leaving Air Temperature

HOT WATER COIL CAPACITIES - 180-240

Model No.	Airflow (L/s)	Entering Water Temperature (°C)																											
		60						70						80															
		11			22			17			11			22			17												
		L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT										
180	2265	4	105.3	80.7	33.7	64.5	74.3	31.4	43.9	67.6	28.9	131.1	99.8	40.6	81.9	93.7	38.4	57.2	87.3	36.1	157.3	118.9	47.5	99.4	112.9	45.4	70.4	106.8	43.2
		15	80.8	61.9	38.2	48.2	55.4	35.8	31.5	48.4	33.2	106.3	80.9	45.1	65.4	74.8	42.9	44.7	68.3	40.5	132.2	99.9	52.1	82.7	94.0	49.9	57.9	87.8	47.7
		27	56.4	43.2	42.6	31.6	36.4	40.1	18.6	28.6	37.2	81.7	62.2	49.6	48.9	55.9	47.3	32.1	49.1	44.8	107.3	81.0	56.5	66.1	75.1	54.3	45.3	68.8	52.0
	2830	4	121.6	93.2	31.5	74.3	85.5	29.2	50.4	77.5	26.9	151.6	115.4	37.9	94.4	108.0	35.8	65.7	100.3	33.5	181.8	137.4	44.3	114.7	130.3	42.2	81.1	123.0	40.1
		15	93.2	71.4	36.4	55.3	63.7	34.2	36.0	55.3	31.7	122.8	93.5	42.9	75.3	86.1	40.7	51.3	78.4	38.5	152.9	115.5	49.3	95.4	108.3	47.2	66.6	101.0	45.1
		27	64.8	49.7	41.3	36.2	41.6	38.9	21.2	32.5	36.3	94.2	71.7	47.8	56.2	64.2	45.6	36.8	56.2	43.2	123.9	93.6	54.3	76.2	86.5	52.2	52.1	79.0	50.0
240	3400	4	136.1	104.3	29.6	83.0	95.5	27.5	56.2	86.3	25.3	169.7	129.2	35.7	105.5	120.7	33.6	73.3	112.0	31.5	203.8	154.0	41.7	128.4	145.8	39.7	90.6	137.4	37.7
		15	104.2	79.8	35.0	61.6	70.9	32.8	40.0	61.5	30.5	137.5	104.6	41.1	84.1	96.2	39.0	57.2	87.3	36.8	171.2	129.4	47.1	106.8	121.2	45.1	74.3	112.8	43.0
		27	72.4	55.5	40.3	40.2	46.2	38.0	23.4	35.9	35.5	105.5	80.3	46.4	62.7	71.7	44.3	40.9	62.5	42.0	138.8	104.9	52.4	85.1	96.7	50.4	58.1	88.1	48.3
	3020	4	126.6	97.0	30.8	77.3	89.0	28.6	52.4	80.6	26.3	157.8	120.1	37.1	98.3	112.4	35.0	68.3	104.4	32.8	189.3	143.1	43.3	119.4	135.6	41.3	84.4	128.0	39.2
		15	96.9	74.3	35.9	57.5	66.2	33.7	37.4	57.5	31.3	127.8	97.3	42.2	78.4	89.6	40.1	53.3	81.5	37.9	159.0	120.2	48.5	99.4	112.8	46.5	69.3	105.1	44.4
		27	67.4	51.7	40.9	37.6	43.2	38.6	21.9	33.7	36.0	98.1	74.6	47.3	58.4	66.8	45.1	38.2	58.4	42.8	129.0	97.5	53.6	79.3	90.0	51.6	54.2	82.1	49.4
3775	4	145.0	111.1	28.6	88.3	101.6	26.5	59.7	91.7	24.4	181.0	137.7	34.4	112.4	128.5	32.4	78.0	119.1	30.4	217.4	164.2	40.2	136.8	155.3	38.2	96.4	146.3	36.3	
	15	110.9	85.0	34.2	65.5	75.4	32.1	42.4	65.2	29.9	146.5	111.5	40.0	89.5	102.4	38.0	60.8	92.8	35.9	182.6	137.9	45.8	113.6	129.0	43.9	79.1	120.0	41.9	
	27	77.0	59.0	39.7	42.6	49.1	37.5	24.7	38.0	35.1	112.3	85.4	45.6	66.6	76.2	43.5	43.4	66.3	41.3	148.0	111.8	51.4	90.6	102.9	49.4	61.7	93.7	47.4	
4530	4	161.3	123.6	26.9	98.0	112.8	24.9	66.1	101.5	22.8	201.4	153.3	32.2	125.0	142.9	30.3	86.5	132.1	28.4	242.1	182.9	37.6	152.2	172.8	35.8	107.1	162.5	33.9	
	15	123.4	94.5	32.8	72.6	83.5	30.8	46.9	72.0	28.7	163.1	124.1	38.2	99.4	113.7	36.3	67.3	102.8	34.3	203.4	153.6	43.6	126.4	143.5	41.8	87.8	133.1	39.9	
	27	85.4	65.4	38.7	47.1	54.2	36.7	27.2	41.8	34.4	124.8	95.0	44.2	73.9	84.5	42.2	48.0	73.3	40.2	164.8	124.5	49.6	100.7	114.3	47.7	68.4	103.8	45.8	

LAT = Leaving Air Temperature

HOT WATER COIL CAPACITIES - 180-240

Model No.	Airflow (L/s)	Entering Air Temp (°C)	95									100								
			11			22			17			11			22			17		
			L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT	L/M	KW	LAT
	2265	4	183.8	137.7	54.4	117.2	132.0	52.3	84.8	125.5	50.7	197.3	147.2	57.8	126.2	141.5	55.7	90.8	134.9	53.6
		15	158.5	118.8	59.0	100.4	113.0	56.9	71.2	107.1	54.7	171.7	128.1	62.4	109.2	122.5	60.3	78.1	116.4	58.4
		27	133.2	99.8	63.5	83.5	94.1	61.4	58.6	88.1	59.1	146.4	109.3	66.9	92.4	103.6	64.8	65.2	97.7	62.7
180	2830	4	212.6	159.3	50.6	135.3	152.4	48.7	96.6	145.4	46.6	228.2	170.3	53.8	145.7	163.4	51.8	104.4	156.5	49.8
		15	183.3	137.3	55.7	115.8	130.5	53.7	82.0	123.4	51.6	198.7	148.2	58.9	126.1	141.5	56.9	89.7	134.5	54.9
		27	154.1	115.5	60.7	96.4	108.6	58.7	67.4	101.5	56.6	169.4	126.4	63.9	106.6	119.5	61.9	75.1	112.5	59.9
	3400	4	238.5	178.7	47.6	151.5	170.7	45.7	108.0	162.6	43.7	255.9	190.9	50.6	163.3	183.1	48.7	116.9	175.1	46.8
		15	205.5	154.0	53.1	129.7	146.0	51.1	91.6	137.9	49.2	222.9	166.3	56.1	141.2	158.4	54.2	100.4	150.4	52.2
		27	172.7	129.5	58.5	107.9	121.5	56.5	75.3	113.3	54.5	190.0	141.7	61.5	119.3	133.8	59.6	84.0	125.8	57.6
	3020	4	221.5	166.0	49.6	140.9	158.7	47.6	100.5	151.4	45.6	237.8	177.4	52.7	151.8	170.2	50.7	108.7	162.9	48.7
		15	190.9	143.1	54.8	120.6	135.9	52.8	85.3	128.4	50.8	207.0	154.5	57.9	131.4	147.3	55.9	93.4	140.0	53.9
		27	160.5	120.3	59.9	100.4	113.1	57.9	70.1	105.5	55.8	176.5	131.7	63.1	111.0	124.5	61.1	78.2	117.1	59.0
240	3775	4	254.3	190.6	45.9	161.5	182.0	44.0	115.1	173.2	42.1	273.1	203.8	48.8	174.1	195.2	46.9	124.5	186.6	45.0
		15	219.2	164.3	51.6	138.2	155.7	49.7	97.6	146.8	47.8	237.8	177.4	54.5	150.5	168.9	52.6	106.9	160.2	50.7
		27	184.2	138.0	57.2	114.9	129.4	55.3	80.1	120.6	53.3	202.6	151.2	60.1	127.2	142.7	58.2	89.3	133.9	56.3
	4530	4	279.8	211.0	42.4	179.8	202.5	41.2	127.9	192.5	39.3	295.1	223.2	44.4	193.7	217.3	43.8	138.4	207.5	42.1
		15	244.2	183.0	49.0	153.8	173.2	47.2	108.4	163.2	45.4	265.0	197.7	51.7	167.6	188.0	49.9	118.8	178.1	48.1
		27	205.2	153.8	55.0	127.8	143.9	53.2	89.0	133.9	51.3	225.8	168.4	57.7	141.5	158.7	55.9	99.3	148.8	54.1

LAT = Leaving Air Temperature

WEIGHT DATA

Model Number	Net		Shipping	
	kg	lbs.	kg	lbs.
072	150	330	172	380
090	159	350	181	400
120	197	435	225	495
150	206	455	234	515
180	308	680	345	760
240	327	720	363	800

OPTIONS / ACCESSORIES

	Net		Shipping	
	kg	lbs.	kg	lbs.

ELECTRIC HEAT

072-150	6.9 kW	29	65	34	75
	10.4 kW	29	65	34	75
	17.4 kW	29	65	34	75
	24.3 kW	29	65	34	75
180-240	15.3 kW	45	100	54	120
	23.0 kW	45	100	54	120
	30.6 kW	45	100	54	120
	38.3 kW	45	100	54	120

ECONOMIZER

	T2ECON31L-1-, T2ECON34L-1	32	71	75	165
	T2ECON31M-1-, T2ECON34M-1	52	114	120	265
	T2ECON31N-1-, T2ECON34N-1	73	160	168	370

127 MM FILTER MOUNTING KIT

	T2FLTR70L-1-	3	7	5	10
	T2FLTR70M-1-	5	10	6	14
	T2FLTR70N-1-	7	15	9	20

HOT WATER COIL

	T2HWCL10LM1-	29	65	36	80
	T2HWCL10N-1-	36	80	45	100

RETURN AIR GRILLE

	T2GARD30L-1	2	4	9	20
	T2GARD30M-1	2	5	14	30
	T2GARD30N-1	3	6	16	35

UVC LIGHT KITS

	T2UVCL10LM1Y	8	17	9	20
	T2UVCL10N-1Y	10	23	12	26

UNIT CLEARANCES - MM (INCHES)

INSTALLATION CLEARANCES (WITH ELECTRIC HEAT)

Cabinet – 0 mm (0 in.)
 To Plenum – 0 mm (0 in.)
 To Outlet Duct within 3 feet (914 mm) – 0 mm (0 in.)

RECOMMENDED SERVICE CLEARANCES

¹ Filter Removal and Routine Maintenance
 (Horizontal / Upflow):
 914 mm (36 in.)

¹ Service Clearance for Drain Pan Removal
 (Horizontal / Upflow):
 TAA072, TAA090 – 1448 mm (57 in.)
 TAA120, TAA150 – 1854 mm (73 in.)
 TAA180, TAA240 – 2590 mm (102 in.)

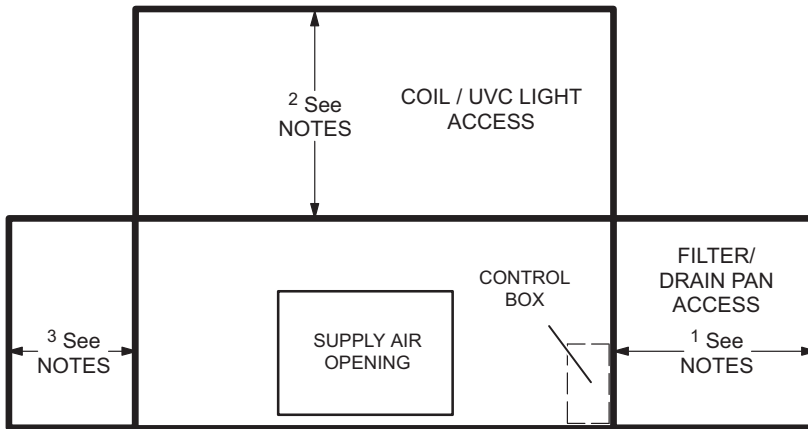
² Coil Cleaning / UVC Light Access (Upflow) :
 All models – 914 mm (36 in.)

³ Coil Cleaning / UVC Light Access
 (Horizontal / Upflow):

Provide 914 mm (36 in.) on this side if top/rear access is obstructed

³ Alternate Drain/Refrigerant Line Location
 (Horizontal / Upflow):

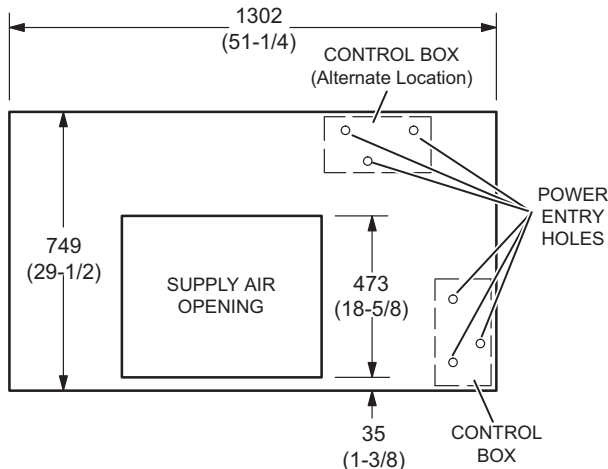
Allow additional clearance if refrigerant or drain lines are routed from this side of cabinet.



TOP (Upflow) or END (Horizontal) VIEW

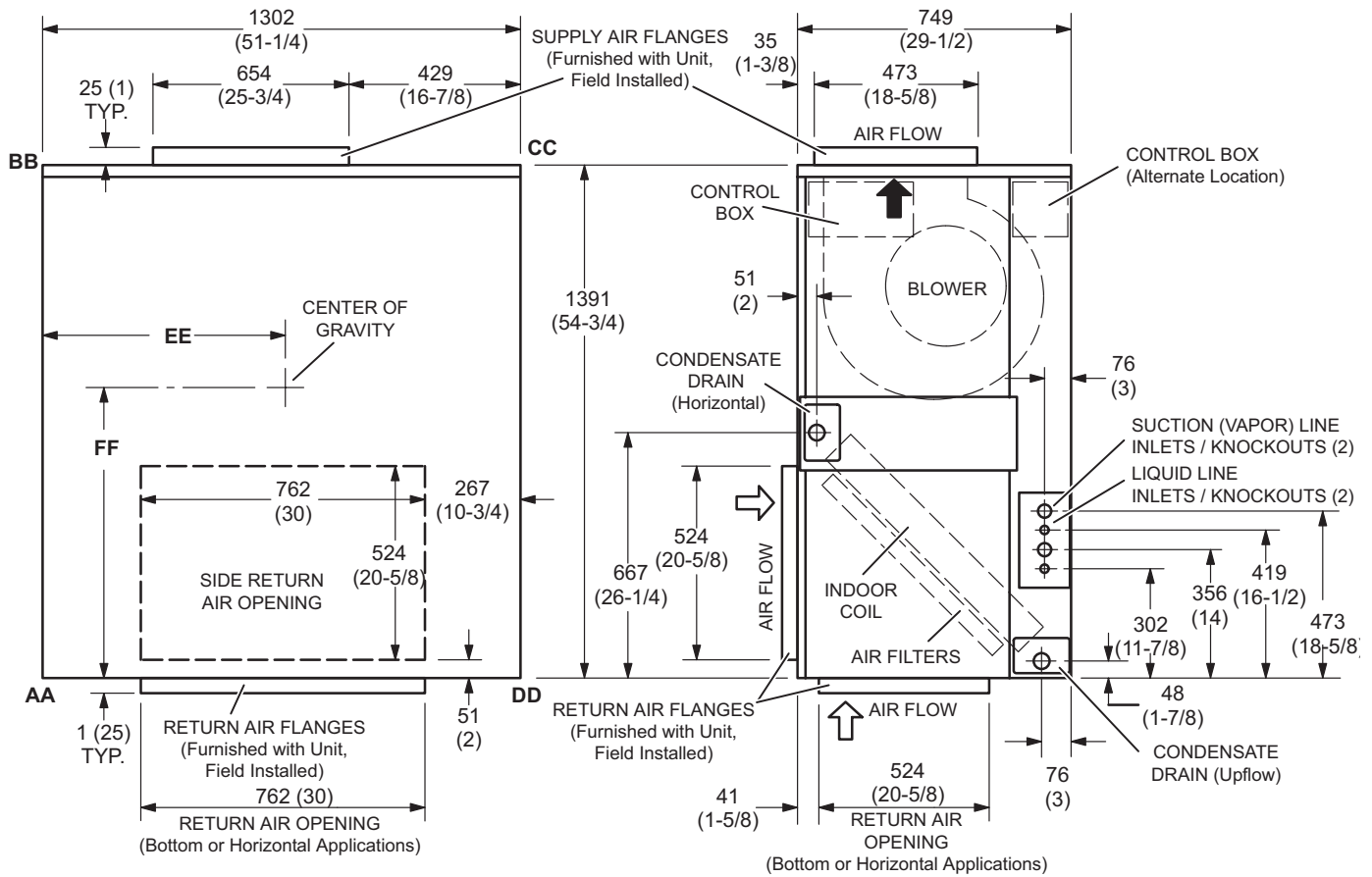
DIMENSIONS - MM (INCHES) - TAA072 AND TAA090

UPFLOW POSITION SHOWN



SUPPLY END VIEW

NOTE:
072 models only use one Suction and Liquid Line. Cabinet has knockouts for two. Either opening may be used.



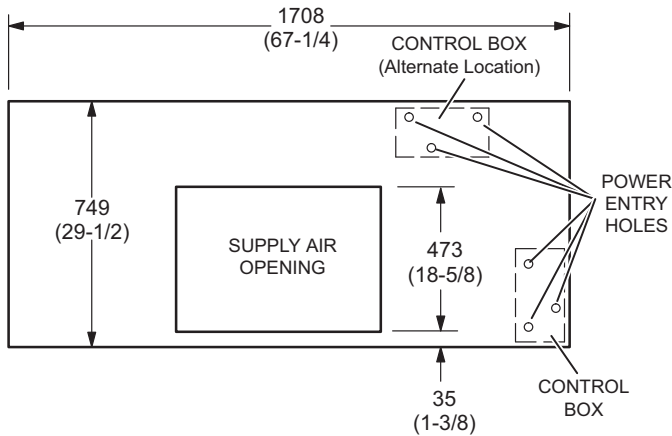
INLET VIEW

DRIVE END VIEW

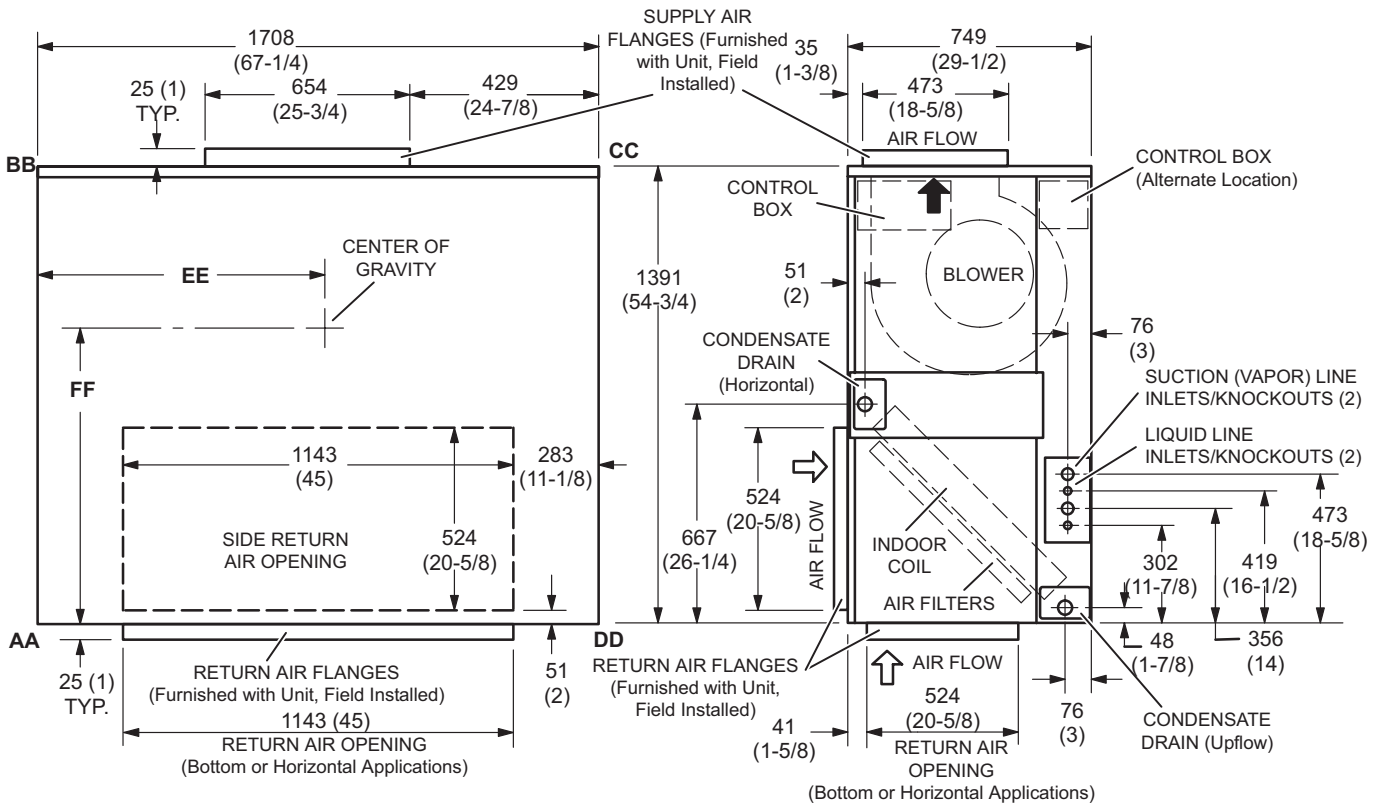
CORNER WEIGHTS				CENTER OF GRAVITY							
AA		BB		CC		DD		EE		FF	
kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	mm	in.	mm	in.
40	88	40	88	40	88	40	88	648	25-1/2	648	25-1/2

DIMENSIONS - MM (INCHES) - TAA0120 AND TAA150

UPFLOW POSITION SHOWN



SUPPLY END VIEW



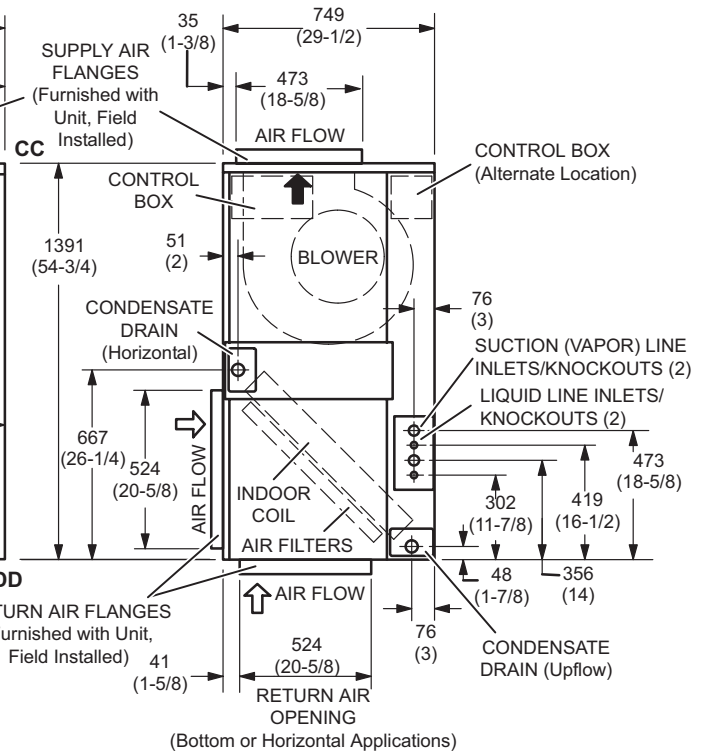
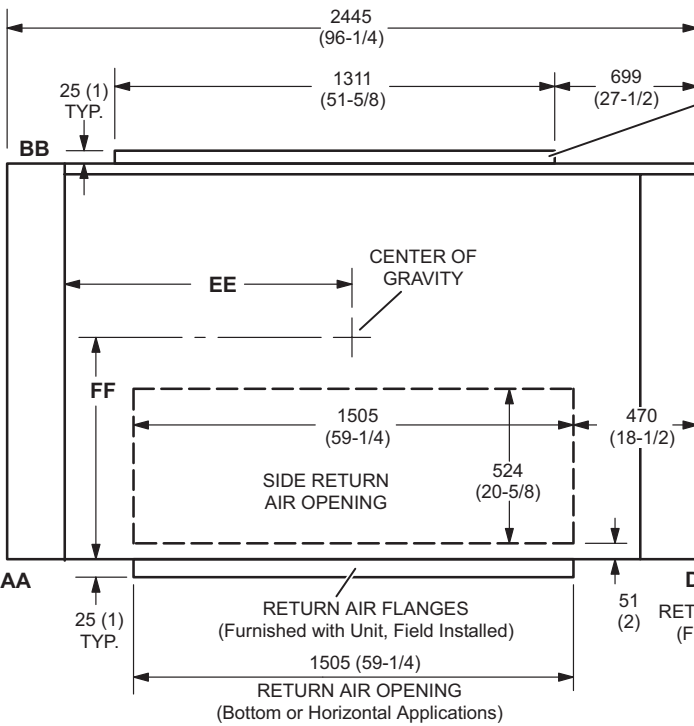
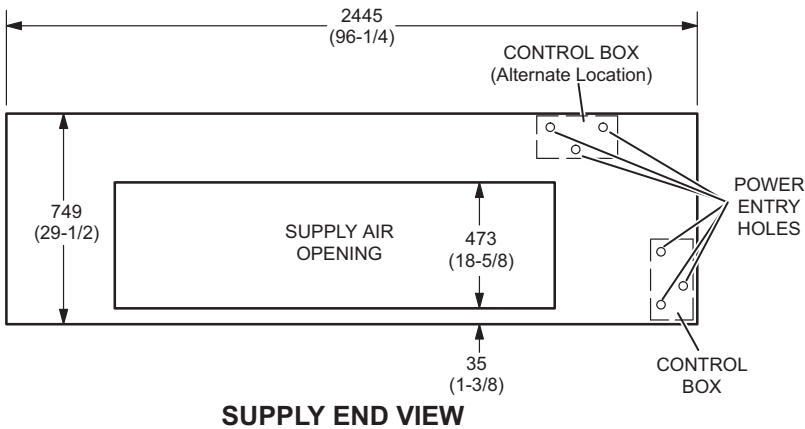
INLET VIEW

DRIVE END VIEW

CORNER WEIGHTS								CENTER OF GRAVITY			
AA		BB		CC		DD		EE		FF	
kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	mm	in.	mm	in.
57	126	46	101	46	101	57	126	851	33-1/2	622	24-1/2

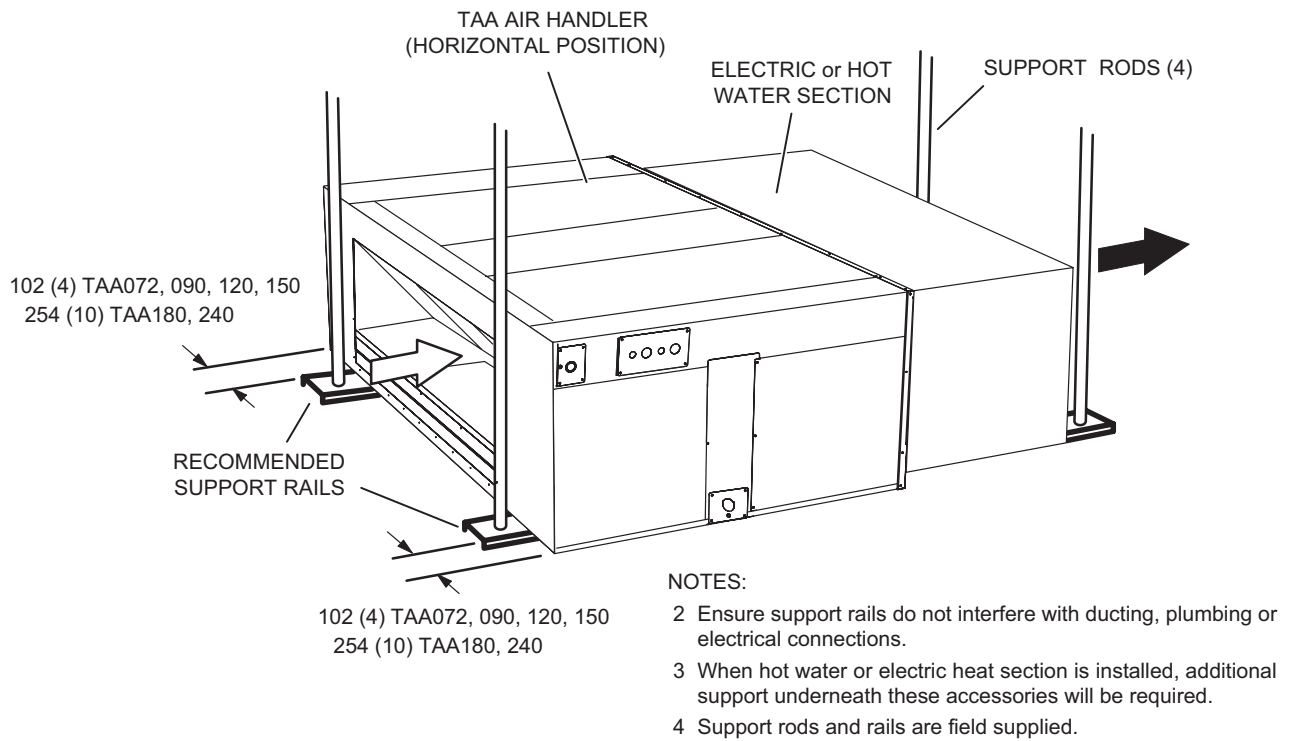
DIMENSIONS - MM (INCHES) - TAA0180 AND TAA240

UPFLOW POSITION SHOWN

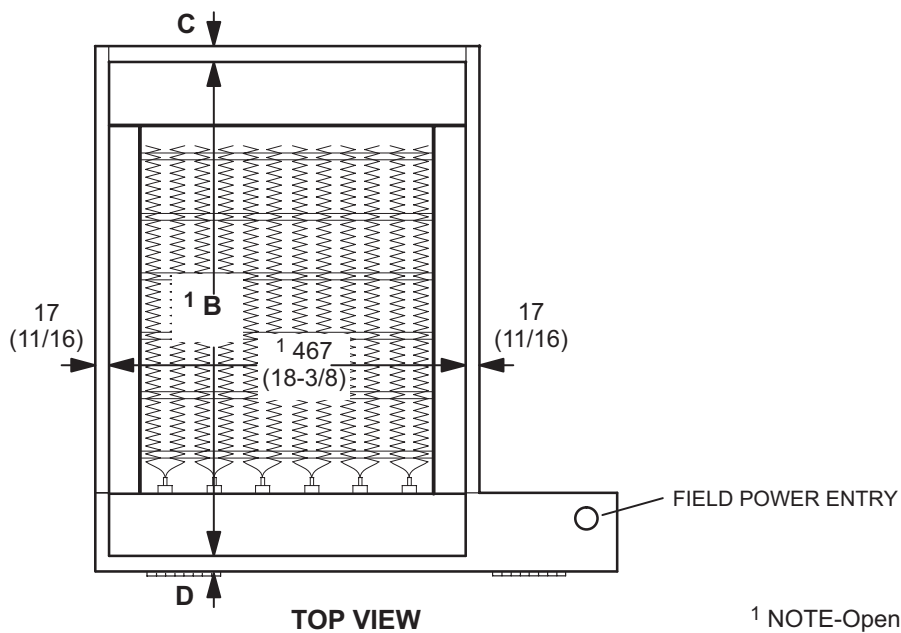


CORNER WEIGHTS				CENTER OF GRAVITY							
AA		BB		CC		DD		EE		FF	
kg	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	mm	in.	mm	in.
50	110	45	99	53	116	59	130	1321	52	654	25-3/4

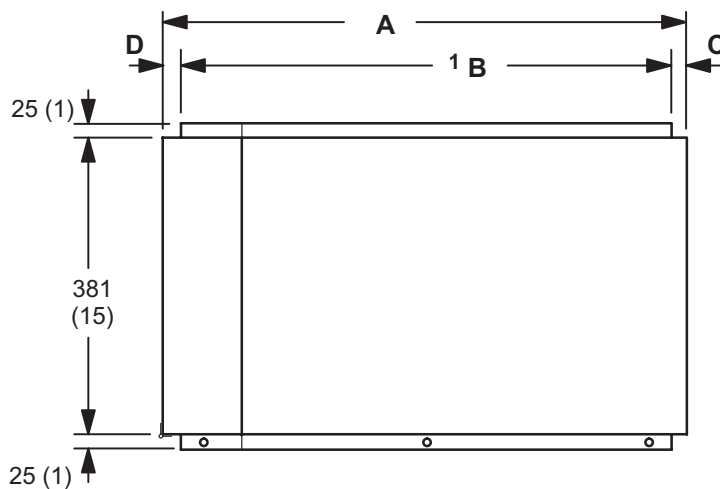
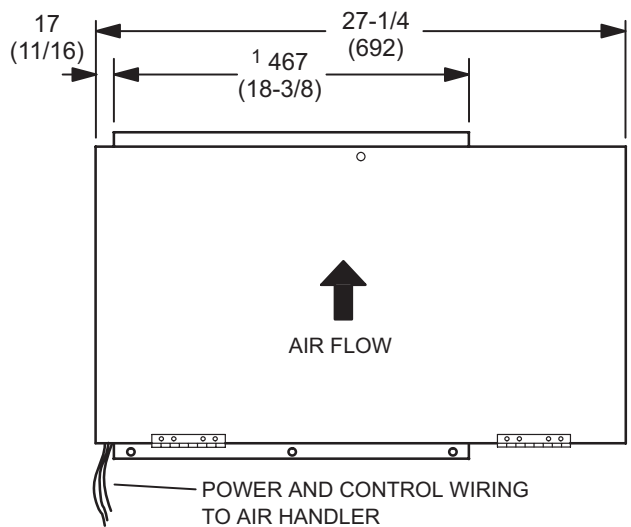
TYPICAL SUPPORT METHOD FOR AIR HANDLER WITH HEAT SECTION IN HORIZONTAL POSITION



DIMENSIONS - MM (INCHES) - ELECTRIC HEAT



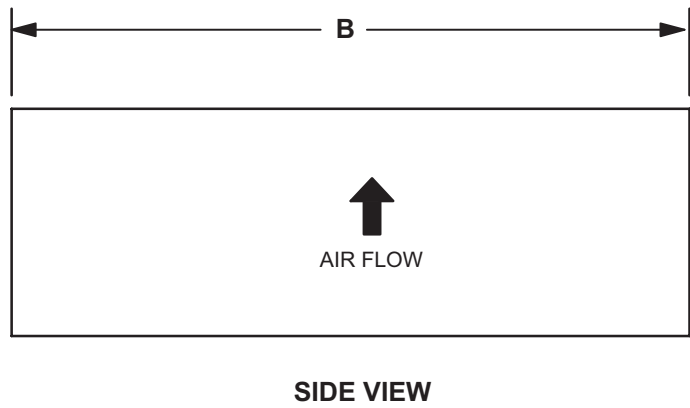
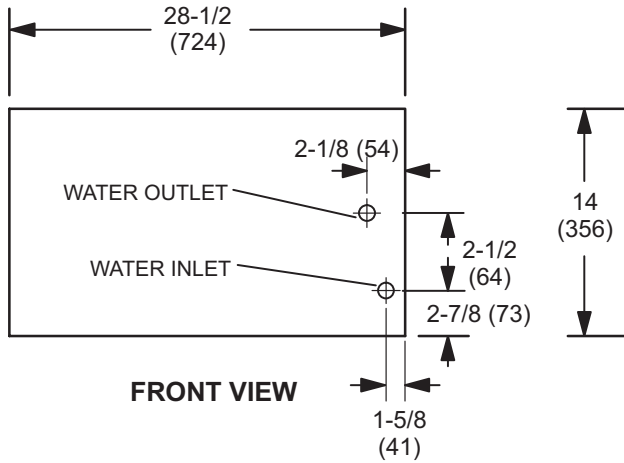
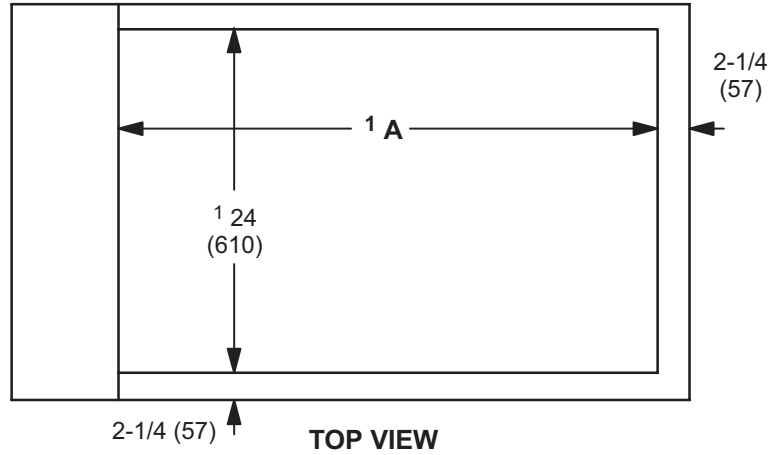
¹ NOTE-Opening same top and bottom.



Air Handler Usage	A		B		C		D	
	mm	in.	mm	in.	mm	in.	mm	in.
TAA072 Thru TAA150	689	27-1/8	648	25-1/2	21	13/16	21	13/16
TAA180 Thru TAA240	1441	56-3/4	1302	51-1/4	38	1-1/2	102	4

DIMENSIONS - MM (INCHES) - HOT WATER COIL

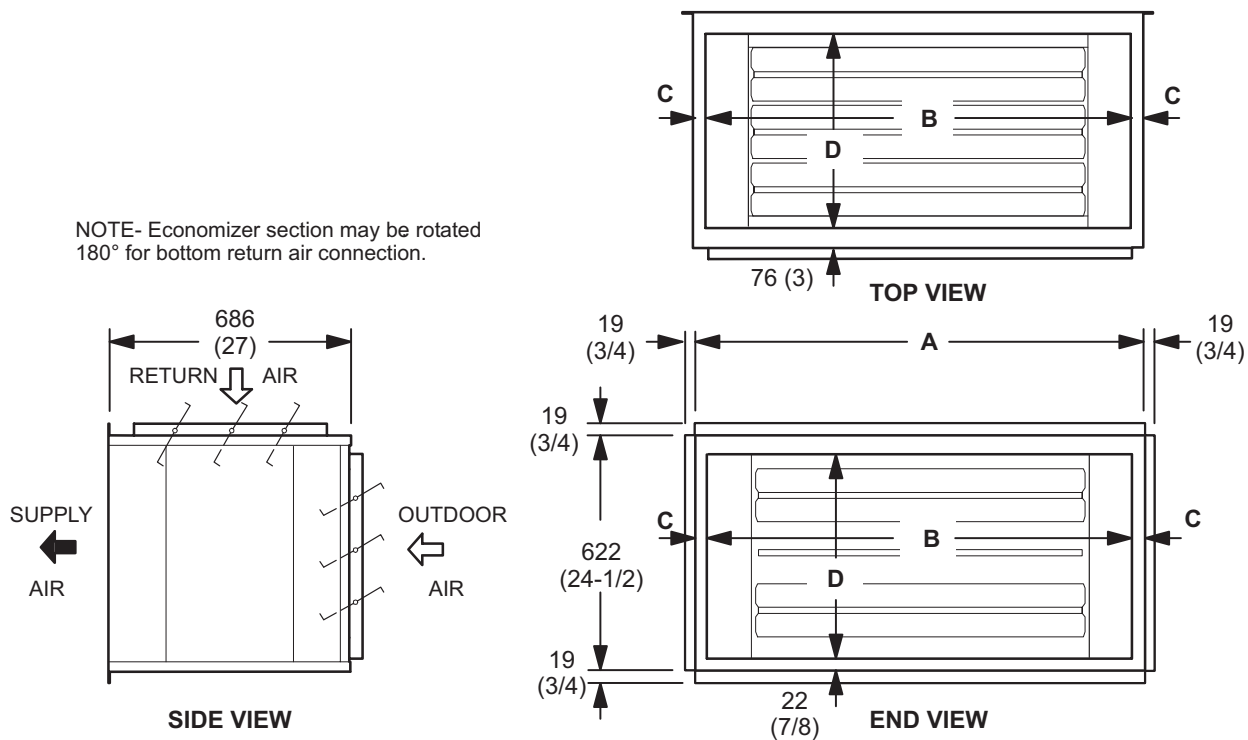
¹ NOTE - Openings same size top and bottom.



Air Handler Usage	A		B	
	mm	in.	mm	in.
TAA072 Thru TAA150	914	36	1219	48
TAA180 Thru TAA240	1372	54	1676	66

DIMENSIONS - MM (INCHES) - ECONOMIZER

NOTE- Economizer section may be rotated 180° for bottom return air connection.

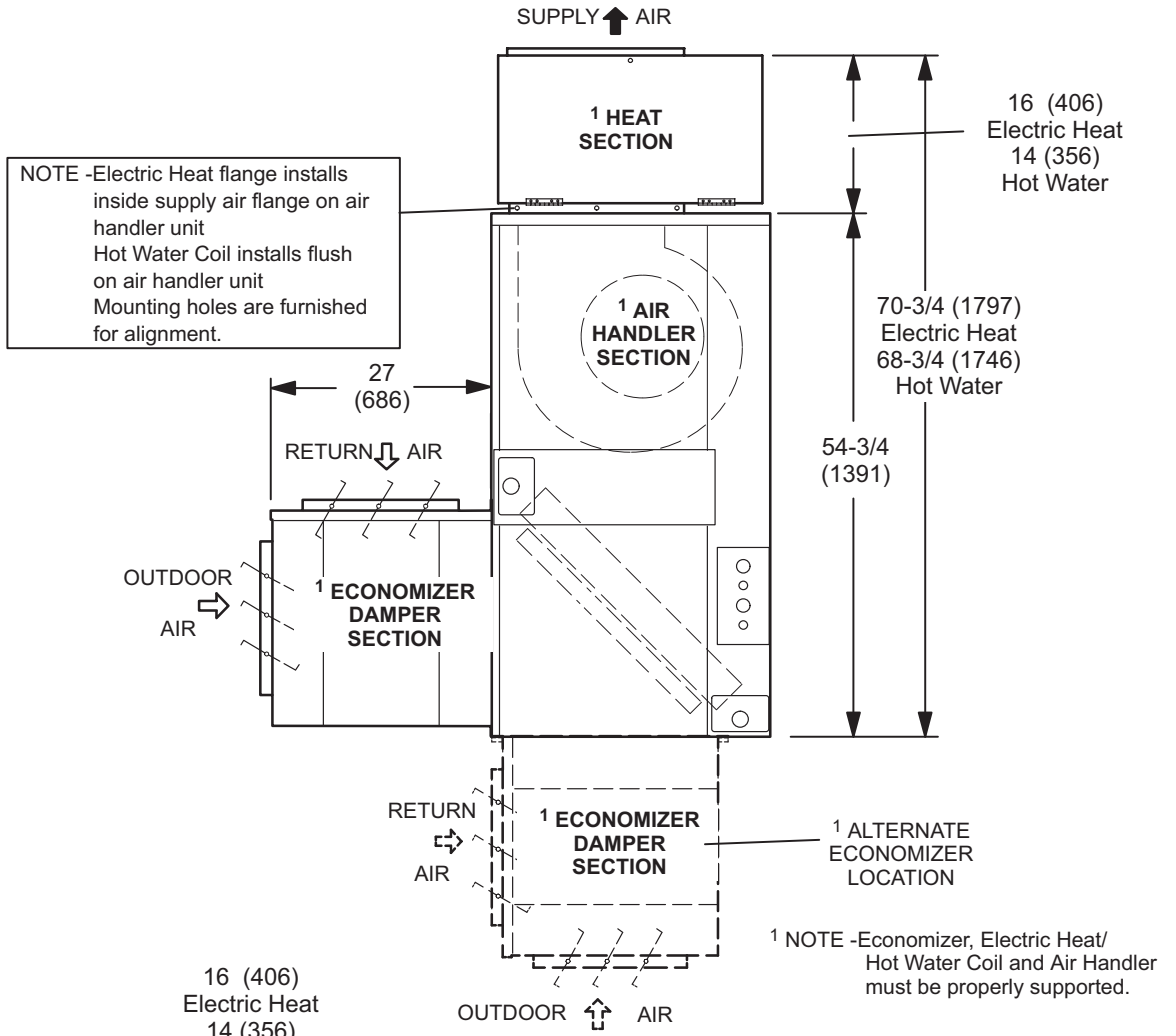


Model No. (Air Handler Usage)		A		B		C		D	
		mm	in.	mm	in.	mm	in.	mm	in.
Standard Economizers	T2ECON31L-1- (072-090)	813	32	762	30	25	1	521	20-1/2
	T2ECON31M-1- (120-150)	1308	51-1/2	1143	45	83	3-1/4	521	20-1/2
	T2ECON31N-1- (180-240)	1829	72	1524	60	152	6	521	20-1/2
High Performance Economizers	T2ECON34L-1 (072-090)	813	32	762	30	25	1	514	20-1/4
	T2ECON34M-1 (120-150)	1308	51-1/2	1143	45	83	3-1/4	514	20-1/4
	T2ECON34N-1 (180-240)	1829	72	1524	60	152	6	514	20-1/4

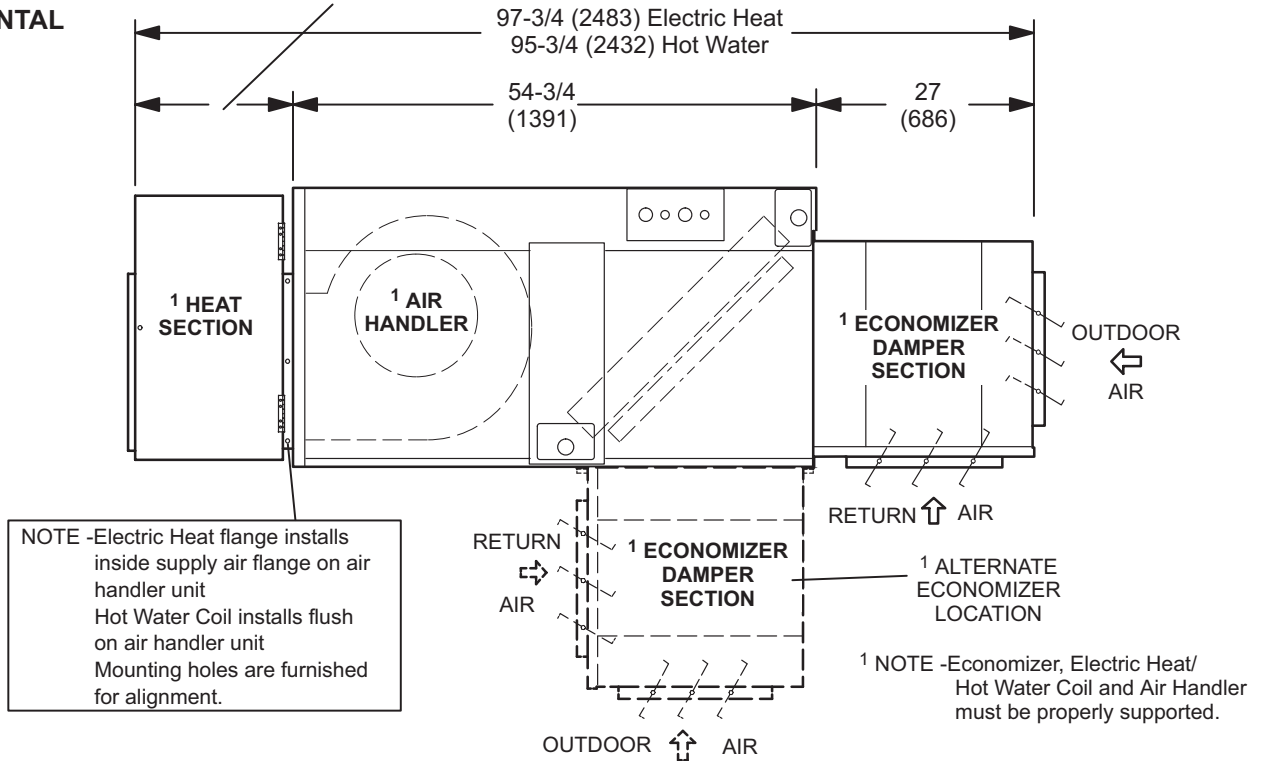
ACCESSORY DIMENSIONS - MM (INCHES)

AIR HANDLER WITH OPTIONAL ELECTRIC HEAT/HOT WATER COIL AND ECONOMIZER

UPFLOW



HORIZONTAL



REVISIONS

Sections	Description of Change
How Water Coil Capacity Tables	Expanded entering water temperature range.



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