



## Outstanding flexibility and performance

The FXTQ\_TAVJUA(D) air handler features full multi-position\* flexibility to meet the most demanding installation conditions. A multitude of features ensure reliable, efficient performance year round.

- » Expanded capacity lineup, featuring ten models ranging from ¾ ton to 5 tons, with a redesigned\*\* unit frame for maximum durability.
- » Full multi-position air handler capable of upflow, downflow\*, horizontal right, and horizontal left installation.
- » A high efficiency, ECM motor powers the fan to deliver nominal CFM at up to 0.9" w.g. static. An auto fan speed setting automatically adjusts the fan speed through 5 steps based on the load in the space.
- » Wide line up of electric heat (field installed) options from 3kW to 25kW.
- » An auxiliary heat logic features a reduced heater operation deadband and the ability to run both heat pump and auxiliary heat for maximum comfort and performance in colder climates. The auxiliary heat can be interlocked with the ambient temperature sensed by the outdoor unit.
- » Designed with less than 2% air leakage when tested in accordance with ASHRAE standard 193.
- » New integrated control board reduces\*\* the number of electrical connections required. Quick disconnect control wiring terminals simplify installation.
- » Easily integrate with third party accessories such as a humidifier or economizer with on-board contacts.
- » Up to 200% connection ratio is possible on applicable VRV IV systems.
- » Available with optional factory installed disconnect (Built to order — model FXTQ\_TAVJUD).

\* Downflow requires field installed optional downflow accessory. (Part number DFK-B/C/D)

\*\* Compared to previous model FXTQ\_P

- Outside Air Integration Possible
- Variable Speed ECM Motor
- All Aluminum Coil

## Applications:



## Designed for Compact Spaces

With its compact and space saving design, the new FXTQ\_TAVJUA(D) air handler units are engineered to suit most light commercial and residential applications.

- » At under 46" tall and only 17-1/2" wide up to 3 tons, the FXTQ\_TAVJUA(D) can be installed in tight closet spaces.
- » Designed for zero clearance on three sides and only 24" clearance on the front for service.
- » Sound levels as low as 36 dBA to suit applications in sound sensitive environments.

## Electric Heater Options

ELECTRICAL HEATER CAPACITY									
Model Name	3kW	5kW	6kW	8kW	10kW	15kW	19kW	20kW	25kW
FXTQ09TAVJUA(D)	■	■							
FXTQ12TAVJUA(D)	■	■	■						
FXTQ18TAVJUA(D)	■	■	■	■	■				
FXTQ24TAVJUA(D)	■	■	■	■	■				
FXTQ30TAVJUA(D)	■	■	■	■	■				
FXTQ36TAVJUA(D)	■	■	■	■	■				
FXTQ42TAVJUA(D)		■	■	■	■	■	■		
FXTQ48TAVJUA(D)		■	■	■	■	■	■		
FXTQ54TAVJUA(D)		■	■	■	■	■		■	■
FXTQ60TAVJUA(D)		■	■	■	■	■		■	■

SPECIFICATIONS			0.75 TON	1 TON	1.5 TON	2 TON	2.5 TON
Model Name			FXTQ09TAVJUA	FXTQ12TAVJUA	FXTQ18TAVJUA	FXTQ24TAVJUA	FXTQ30TAVJUA
Model Name (With factory disconnect)			FXTQ09TAVJUD	FXTQ12TAVJUD	FXTQ18TAVJUD	FXTQ24TAVJUD	FXTQ30TAVJUD
Power Supply		V/ph/Hz	208/230VAC, 60Hz, 1 phase				
Nominal Cooling Capacity*1		Btu/h	9,500	12,000	18,000	24,000	30,000
Nominal Heating Capacity*2		Btu/h	10,500	13,500	20,000	27,000	34,000
Fan	Type		Sirocco FC Centrifugal				
	Motor Output	HP	1/2				
	Air Flow Rate (H/M/L)	CFM	300 / 275 / 250	400 / 340 / 280	600 / 510 / 420	800 / 680 / 560	1000 / 850 / 700
	Static Pressure*3	in w.g.	0.18" / 0.9"				
	Drive Type		Variable speed ECM				
Height	in.	45					
Width	in.	17.5					
Depth	in.	21					
Weight (net) (TAVJUA/TAVJUD)		lbs.	105/108	112/115	111/118	112/115	113/116
Sound Pressure Level (H speed)		dB(A)	36		45		52
Pipe Connections	Liquid	in.	1/4 (Braze)			3/8 (Braze)	
	Gas	in.	1/2 (Braze)			5/8 (Braze)	
	Condensate Drain	in.	3/4 (fpt)				
Refrigerant Control			Electronic Expansion Valve				
Maximum Overcurrent Protective Device		A	15				
Minimum Circuit Amps		A	4.9				

SPECIFICATIONS			3 TON	3.5 TON	4 TON	4.5 TON	5 TON	
Model Name			FXTQ36TAVJUA	FXTQ42TAVJUA	FXTQ48TAVJUA	FXTQ54TAVJUA	FXTQ60TAVJUA	
Model Name (With factory disconnect)			FXTQ36TAVJUD	FXTQ42TAVJUD	FXTQ48TAVJUD	FXTQ54TAVJUD	FXTQ60TAVJUD	
Power Supply		V/ph/Hz	208/230VAC, 60Hz, 1 phase					
Nominal Cooling Capacity*1		Btu/h	36,000	42,000	48,000	54,000	60,000	
Nominal Heating Capacity*2		Btu/h	40,000	46,000	54,000	60,000	66,000	
Fan	Type		Sirocco FC Centrifugal					
	Motor Output	HP	1/2	3/4		1.0		
	Air Flow Rate (H/M/L)	CFM	1050 / 900 / 750	1400 / 1190 / 980	1520 / 1290 / 1060	1800 / 1530 / 1260	1800 / 1530 / 120	
	Static Pressure*3	in w.g.	0.23" / 0.9"				0.28" / 0.9"	
	Drive Type		Variable speed ECM					
Height	in.	45	53.43			58		
Width	in.	17.5	21			24.5		
Depth	in.	21						
Weight (net) (TAVJUA/TAVJUD)		lbs.	113/116	144/147		165/168		
Sound Pressure Level (H speed)		dB(A)	52	54		50		
Pipe Connections	Liquid	in.	3/8 (Braze)					
	Gas	in.	5/8 (Braze)					
	Condensate Drain	in.	3/4 (fpt)					
Refrigerant Control			Electronic Expansion Valve					
Maximum Overcurrent Protective Device		A	15					
Minimum Circuit Amps		A	4.9	6.5		8.6		

Note:

- \*1. Nominal cooling capacities are based on the following conditions: 80 °FDB / 67 °FWB (26.7 °CDB / 19.4 °CWB) return air temperature; 95 °FDB (35 °CDB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.
- \*2. Nominal heating capacities are based on the following conditions: 70 °FDB (21.1 °CDB) return air temperature; 47 °FDB / 43 °FWB (8.3 °CDB / 6.1 °CWB) outdoor temperature; 25 ft. (7.6 m) equivalent refrigerant piping.
- \*3. External static pressures are indicated as rated / maximum allowable range.

## Additional information

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.

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