

## 4.1.4 FTA

### Air Handling Unit

Model	Indoor unit	with factory disconnect		FTA18AAVJUD	FTA24AAVJUD
		without factory disconnect		FTA18AAVJUA	FTA24AAVJUA
Outdoor unit				RZA18AAVJU	RZA24AAVJU
Power supply				1 phase, 208/230 V, 60 Hz	1 phase, 208/230 V, 60 Hz
Cooling capacity ★1, ★4		Btu/h (kW)		17,200 (5.0)	24,000 (7.0)
Heating capacity ★2, ★4		Btu/h (kW)		21,000 (6.2)	27,000 (7.9)
Heating capacity ★3, ★4		Btu/h (kW)		13,700 (4.0)	19,400 (5.7)
EER2 (rated)		Btu/h-W		11.7	11.7
SEER2 (rated)				17.5	17.0
HSPF2 (rated)				9.0	9.0
Indoor unit		with factory disconnect		FTA18AAVJUD	FTA24AAVJUD
		without factory disconnect		FTA18AAVJUA	FTA24AAVJUA
Casing/color				Daikin Slate Gray	Daikin Slate Gray
Dimensions	H × W × D	in. (mm)		45 × 17.5 × 21 (1,143 × 445 × 533)	45 × 17.5 × 21 (1,143 × 445 × 533)
Coil	Type		Cross fin coil		Cross fin coil
Fan	Type		Sirocco FC Centrifugal		Sirocco FC Centrifugal
	Motor output	HP		1/2	1/2
	Airflow rate (H / M / L)	cfm (m <sup>3</sup> /min)		600 / 510 / 420 (17.0 / 14.4 / 11.9)	800 / 680 / 560 (22.7 / 19.3 / 15.9)
	External static pressure	in. w.g.		0.1" - 0.9"	0.1" - 0.9"
Air filter				— ★5	— ★5
Weight		lbs (kg)		115 (52.2)	115 (52.2)
Piping connections	Liquid	in. (mm)		φ3/8 (φ9.5) (brazing connection)	φ3/8 (φ9.5) (brazing connection)
	Gas	in. (mm)		φ5/8 (φ15.9) (brazing connection)	φ5/8 (φ15.9) (brazing connection)
	Drain	in. (mm)		3/4" (19.1)	3/4" (19.1)
Remote controller (accessory)	Wired		BRC1NRV71		BRC1NRV71
	Wireless		—		—
Outdoor unit				RZA18AAVJU	RZA24AAVJU
Casing/color				Ivory white	Ivory white
Dimensions	H × W × D	in. (mm)		34-1/4 × 43-5/16 × 18-1/8 (870 × 1,100 × 460)	34-1/4 × 43-5/16 × 18-1/8 (870 × 1,100 × 460)
Coil	Type		Cross fin coil		Cross fin coil
Compressor	Type		Hermetically sealed swing type		Hermetically sealed swing type
	Motor output	kW		1.9	2.4
Fan	Type		Propeller fan		Propeller fan
	Motor output	W		234	234
	Airflow rate	cfm (m <sup>3</sup> /min)		3,000 (85)	3,000 (85)
Weight		lbs (kg)		234 (106)	234 (106)
Piping connections	Liquid	in. (mm)		φ3/8 (φ9.5) (flare connection)	φ3/8 (φ9.5) (flare connection)
	Gas	in. (mm)		φ5/8 (φ15.9) (flare connection)	φ5/8 (φ15.9) (flare connection)
	Drain	in. (mm)		φ1 (φ26) (hole)	φ1 (φ26) (hole)
Safety devices				High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plug, Fuse, Bimetal thermostat (external overload relay)	High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plug, Fuse, Bimetal thermostat (external overload relay)
Capacity step		%		14 - 100	14 - 100
Refrigerant control				Electronic expansion valve	Electronic expansion valve
Ref. piping	Standard length	ft (m)		25 (7.6)	25 (7.6)
	Max. length	ft (m)		230 (70)	230 (70)
	Max. height difference	ft (m)		98 (30)	98 (30)
Refrigerant	Type		R32		R32
	Charge	lbs (kg)		7.5 (3.4)	7.5 (3.4)
Ref. oil	Type		DAPHNE FW68DE		DAPHNE FW68DE
	Charge	L		1.52	1.52

#### Notes:

- ★1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- ★2. Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- ★3. Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 17°FDB (-8.3°CDB), 15°FWB (-9.4°CWB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- ★4. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- ★5. Air filter is not standard accessory (field supply parts), but please mount it in the duct system of the suction side.

## Air Handling Unit, continued

Model	Indoor unit	with factory disconnect		FTA30AAVJUD		FTA36AAVJUD	
		without factory disconnect		FTA30AAVJUA		FTA36AAVJUA	
		Outdoor unit		RZA30AAVJU		RZA36AAVJU	
Power supply				1 phase, 208/230 V, 60 Hz		1 phase, 208/230 V, 60 Hz	
Cooling capacity ★1, ★4		Btu/h (kW)		29,400 (8.6)		35,000 (10.3)	
Heating capacity ★2, ★4		Btu/h (kW)		35,000 (10.3)		40,500 (11.9)	
Heating capacity ★3, ★4		Btu/h (kW)		23,800 (7.0)		27,600 (8.1)	
EER2 (rated)		Btu/h-W		11.0		10.0	
SEER2 (rated)				16.8		16.8	
HSPF2 (rated)				9.0		9.0	
Indoor unit		with factory disconnect		FTA30AAVJUD		FTA36AAVJUD	
		without factory disconnect		FTA30AAVJUA		FTA36AAVJUA	
Casing/color				Daikin Slate Gray		Daikin Slate Gray	
Dimensions	H × W × D	in. (mm)		45 × 17.5 × 21 (1,143 × 445 × 533)		45 × 17.5 × 21 (1,143 × 445 × 533)	
Coil	Type			Cross fin coil		Cross fin coil	
Fan	Type			Sirocco FC Centrifugal		Sirocco FC Centrifugal	
	Motor output	HP		1/2		1/2	
	Airflow rate (H / M / L)	cfm (m <sup>3</sup> /min)		1,000 / 850 / 700 (28.3 / 24.1 / 19.8)		1,050 / 900 / 750 (29.7 / 25.5 / 21.2)	
	External static pressure	in. w.g.		0.1" - 0.9"		0.1" - 0.9"	
Air filter				— ★5		— ★5	
Weight		lbs (kg)		118 (53.5)		118 (53.5)	
Piping connections	Liquid	in. (mm)		ϕ3/8 (ϕ9.5) (brazing connection)		ϕ3/8 (ϕ9.5) (brazing connection)	
	Gas	in. (mm)		ϕ5/8 (ϕ15.9) (brazing connection)		ϕ5/8 (ϕ15.9) (brazing connection)	
	Drain	in. (mm)		3/4" (19.1)		3/4" (19.1)	
Remote controller (accessory)	Wired			BRC1NRV71		BRC1NRV71	
	Wireless			—		—	
Outdoor unit				RZA30AAVJU		RZA36AAVJU	
Casing/color				Ivory white		Ivory white	
Dimensions	H × W × D	in. (mm)		34-1/4 × 43-5/16 × 18-1/8 (870 × 1,100 × 460)		34-1/4 × 43-5/16 × 18-1/8 (870 × 1,100 × 460)	
Coil	Type			Cross fin coil		Cross fin coil	
Compressor	Type			Hermetically sealed swing type		Hermetically sealed swing type	
	Motor output	kW		3.1		3.7	
Fan	Type			Propeller fan		Propeller fan	
	Motor output	W		234		234	
	Airflow rate	cfm (m <sup>3</sup> /min)		3,000 (85)		3,000 (85)	
Weight		lbs (kg)		234 (106)		234 (106)	
Piping connections	Liquid	in. (mm)		ϕ3/8 (ϕ9.5) (flare connection)		ϕ3/8 (ϕ9.5) (flare connection)	
	Gas	in. (mm)		ϕ5/8 (ϕ15.9) (flare connection)		ϕ5/8 (ϕ15.9) (flare connection)	
	Drain	in. (mm)		ϕ1 (ϕ26) (hole)		ϕ1 (ϕ26) (hole)	
Safety devices				High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plug, Fuse, Bimetal thermostat (external overload relay)		High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plug, Fuse, Bimetal thermostat (external overload relay)	
Capacity step		%		9 - 100		9 - 100	
Refrigerant control				Electronic expansion valve		Electronic expansion valve	
Ref. piping	Standard length	ft (m)		25 (7.6)		25 (7.6)	
	Max. length	ft (m)		230 (70)		230 (70)	
	Max. height difference	ft (m)		98 (30)		98 (30)	
Refrigerant	Type			R32		R32	
	Charge	lbs (kg)		7.5 (3.4)		7.5 (3.4)	
Ref. oil	Type			DAPHNE FW68DE		DAPHNE FW68DE	
	Charge	L		1.52		1.52	

## Notes:

- ★1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- ★2. Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- ★3. Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 17°FDB (-8.3°CDB), 15°FWB (-9.4°CWB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- ★4. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- ★5. Air filter is not standard accessory (field supply parts), but please mount it in the duct system of the suction side.

## Air Handling Unit, continued

Model	Indoor unit	with factory disconnect		FTA42AAVJUD	FTA48AAVJUD
		without factory disconnect		FTA42AAVJUA	FTA48AAVJUA
Outdoor unit				RZA42AAVJU	RZA48AAVJU
Power supply				1 phase, 208/230 V, 60 Hz	1 phase, 208/230 V, 60 Hz
Cooling capacity ★1, ★4		Btu/h (kW)		40,500 (11.9)	47,000 (13.8)
Heating capacity ★2, ★4		Btu/h (kW)		48,000 (14.1)	55,000 (16.1)
Heating capacity ★3, ★4		Btu/h (kW)		32,500 (9.5)	36,800 (10.8)
EER2 (rated)		Btu/h-W		10.0	8.9
SEER2 (rated)				16.0	15.2
HSPF2 (rated)				9.0	9.0
Indoor unit		with factory disconnect		FTA42AAVJUD	FTA48AAVJUD
		without factory disconnect		FTA42AAVJUA	FTA48AAVJUA
Casing/color				Daikin Slate Gray	Daikin Slate Gray
Dimensions	H × W × D	in. (mm)		53.43 × 21 × 21 (1,357 × 533 × 533)	53.43 × 21 × 21 (1,357 × 533 × 533)
Coil	Type		Cross fin coil		Cross fin coil
Fan	Type		Sirocco FC Centrifugal		Sirocco FC Centrifugal
	Motor output	HP		3/4	3/4
	Airflow rate (H / M / L)	cfm (m <sup>3</sup> /min)		1,400 / 1,190 / 980 (39.7 / 33.7 / 27.8)	1,520 / 1,290 / 1,060 (43.1 / 36.5 / 30.0)
	External static pressure	in. w.g.		0.1" - 0.9"	0.1" - 0.9"
Air filter				— ★5	— ★5
Weight		lbs (kg)		143 (64.9)	143 (64.9)
Piping connections	Liquid	in. (mm)		φ3/8 (φ9.5) (brazing connection)	φ3/8 (φ9.5) (brazing connection)
	Gas	in. (mm)		φ5/8 (φ15.9) (brazing connection)	φ5/8 (φ15.9) (brazing connection)
	Drain	in. (mm)		3/4" (19.1)	3/4" (19.1)
Remote controller (accessory)	Wired		BRC1NRV71		BRC1NRV71
	Wireless		—		—
Outdoor unit				RZA42AAVJU	RZA48AAVJU
Casing/color				Ivory white	Ivory white
Dimensions	H × W × D	in. (mm)		34-1/4 × 43-5/16 × 18-1/8 (870 × 1,100 × 460)	34-1/4 × 43-5/16 × 18-1/8 (870 × 1,100 × 460)
Coil	Type		Cross fin coil		Cross fin coil
Compressor	Type		Hermetically sealed swing type		Hermetically sealed swing type
	Motor output	kW		4.2	5.1
Fan	Type		Propeller fan		Propeller fan
	Motor output	W		234	234
	Airflow rate	cfm (m <sup>3</sup> /min)		3,000 (85)	3,000 (85)
Weight		lbs (kg)		234 (106)	234 (106)
Piping connections	Liquid	in. (mm)		φ3/8 (φ9.5) (flare connection)	φ3/8 (φ9.5) (flare connection)
	Gas	in. (mm)		φ5/8 (φ15.9) (flare connection)	φ5/8 (φ15.9) (flare connection)
	Drain	in. (mm)		φ1 (φ26) (hole)	φ1 (φ26) (hole)
Safety devices				High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plug, Fuse, Bimetal thermostat (external overload relay)	High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plug, Fuse, Bimetal thermostat (external overload relay)
Capacity step		%		9 - 100	9 - 100
Refrigerant control				Electronic expansion valve	Electronic expansion valve
Ref. piping	Standard length	ft (m)		25 (7.6)	25 (7.6)
	Max. length	ft (m)		230 (70)	230 (70)
	Max. height difference	ft (m)		98 (30)	98 (30)
Refrigerant	Type		R32		R32
	Charge	lbs (kg)		7.5 (3.4)	7.5 (3.4)
Ref. oil	Type		DAPHNE FW68DE		DAPHNE FW68DE
	Charge	L		1.52	1.52

## Notes:

- ★1. Indoor temp.: 80°FDB (26.7°CDB), 67°FWB (19.4°CWB) / Outdoor temp.: 95°FDB (35.0°CDB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- ★2. Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 47°FDB (8.3°CDB), 43°FWB (6.1°CWB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- ★3. Indoor temp.: 70°FDB (21.1°CDB) / Outdoor temp.: 17°FDB (-8.3°CDB), 15°FWB (-9.4°CWB) / Equivalent piping length: 25 ft. (7.6 m), height difference: 0 ft. (0 m).
- ★4. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- ★5. Air filter is not standard accessory (field supply parts), but please mount it in the duct system of the suction side.