

1. External appearance

1.1 Indoor unit

Ceiling mounted cassette type (Round flow with sensing)

FCQ18TAVJU
FCQ24TAVJU
FCQ30TAVJU
FCQ36TAVJU
FCQ42TAVJU
FCQ48TAVJU



Ceiling suspended type

FHQ18PVJU
FHQ24PVJU
FHQ30PVJU
FHQ36MVJU
FHQ42MVJU



Wall mounted type

FAQ18TAVJU
FAQ24TAVJU



Ceiling mounted duct type

FBQ18PVJU
FBQ24PVJU
FBQ30PVJU
FBQ36PVJU
FBQ42PVJU
FBQ48PVJU



Air handling unit

FTQ18TAVJUD FTQ18TAVJUA
FTQ24TAVJUD FTQ24TAVJUA
FTQ30TAVJUD FTQ30TAVJUA
FTQ36TAVJUD FTQ36TAVJUA
FTQ42TAVJUD FTQ42TAVJUA
FTQ48TAVJUD FTQ48TAVJUA



2. Model name, power supply and nomenclature

2.1 Model name and power supply

2.1.1 Cooling only

Indoor unit		Outdoor unit	Power supply intake
Ceiling mounted cassette type (Round flow with sensing)	FCQ18TAVJU	RZR18TAVJU	Indoor unit: 1 phase, 208/230 V, 60 Hz Outdoor unit: 1 phase, 208/230 V, 60 Hz
	FCQ24TAVJU	RZR24TAVJU	
	FCQ30TAVJU	RZR30TAVJU	
	FCQ36TAVJU	RZR36TAVJU	
	FCQ42TAVJU	RZR42TAVJU	
	FCQ48TAVJU	RZR48TAVJU	
Ceiling suspended type	FHQ18PVJU	RZR18TAVJU	
	FHQ24PVJU	RZR24TAVJU	
	FHQ30PVJU	RZR30TAVJU	
	FHQ36MVJU	RZR36TAVJU	
	FHQ42MVJU	RZR42TAVJU	
Wall mounted type	FAQ18TAVJU	RZR18TAVJU	
	FAQ24TAVJU	RZR24TAVJU	
Ceiling mounted duct type	FBQ18PVJU	RZR18TAVJU	
	FBQ24PVJU	RZR24TAVJU	
	FBQ30PVJU	RZR30TAVJU	
	FBQ36PVJU	RZR36TAVJU	
	FBQ42PVJU	RZR42TAVJU	
	FBQ48PVJU	RZR48TAVJU	
Air handling unit	FTQ18TAVJUD FTQ18TAVJUA	RZR18TAVJU	
	FTQ24TAVJUD FTQ24TAVJUA	RZR24TAVJU	
	FTQ30TAVJUD FTQ30TAVJUA	RZR30TAVJU	
	FTQ36TAVJUD FTQ36TAVJUA	RZR36TAVJU	
	FTQ42TAVJUD FTQ42TAVJUA	RZR42TAVJU	
	FTQ48TAVJUD FTQ48TAVJUA	RZR48TAVJU	

3.1.5 FTQ

Air handling unit

Model	Indoor unit	with factory disconnect	FTQ18TAVJUD	FTQ24TAVJUD
		without factory disconnect	FTQ18TAVJUA	FTQ24TAVJUA
	Outdoor unit			RZR18TAVJU
Power supply			1 phase, 208/230 V, 60 Hz	1 phase, 208/230 V, 60 Hz
★1, ★2 Cooling capacity		Btu/h (kW)	18,000 (5.3)	24,000 (7.0)
SEER (Rated)			15.5	15.2
EER (Rated)		Btu/h-W	12.5	10.3
Indoor unit		with factory disconnect	FTQ18TAVJUD	FTQ24TAVJUD
		without factory disconnect	FTQ18TAVJUA	FTQ24TAVJUA
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
	Face area	ft. ² (m ²)	3.75 (35)	3.75 (35)
Fan	Type		Sirocco FC Centrifugal	Sirocco FC Centrifugal
	Motor output	HP	1/2	1/2
	Airflow rate (H/M/L)	cfm (m³/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			— ★3	— ★3
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		BRC1E73, BRC2A71	BRC1E73, BRC2A71
	Wireless		BRC4C82	BRC4C82
Outdoor unit			RZR18TAVJU	RZR24TAVJU
Casing/color			Ivory white	Ivory white
Dimensions	H × W × D	in. (mm)	39 × 37 × 12–5/8 (990 × 940 × 320)	39 × 37 × 12–5/8 (990 × 940 × 320)
Coil	Type		Cross fin coil	Cross fin coil
	Rows × Stages × FPI		2 × 44 × 19	2 × 44 × 19
	Face area	ft. ² (m ²)	9.5 (0.88)	9.5 (0.88)
Compressor	Model		2YC63ABXDD	2YC63ABXDD
	Type		Hermetically sealed swing type	Hermetically sealed swing type
	Motor output	kW	1.9	1.9
Fan	Model		P51J11F	P51J11F
	Type		Propeller fan	Propeller fan
	Motor output	W	200	200
	Airflow rate	cfm (m³/min)	2,682 (76)	2,682 (76)
Weight		lbs (kg)	172 (78)	172 (78)
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 plugs, Fuse	High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plugs, Fuse
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)	164 (50)	164 (50)
	Max. height difference	ft (m)	98 (30)	98 (30)
Refrigerant	Type		R410A	R410A
	Charge	lbs (kg)	6.4 (2.9)	6.4 (2.9)
Ref. oil	Type		Refer to the name plate of compressor.	Refer to the name plate of compressor.
	Charge	L	1.08	1.08

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), level difference : 0 ft. (0 m).
 ★2 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
 ★3 Air filter is not standard accessory (field supply parts), but please mount it in the duct system of the suction side.

3.2.5 FTQ

Air handling unit

Model	Indoor unit	with factory disconnect		FTQ18TAVJUD	FTQ24TAVJUD
		without factory disconnect		FTQ18TAVJUA	FTQ24TAVJUA
	Outdoor unit				RZQ18TAVJU
Power supply				1 phase, 208/230 V, 60 Hz	1 phase, 208/230 V, 60 Hz
★1, ★4 Cooling capacity		Btu/h (kW)		18,000 (5.3)	24,000 (7.0)
★2, ★4 Heating capacity		Btu/h (kW)		20,000 (5.9)	27,000 (7.9)
★3, ★4 Heating capacity		Btu/h (kW)		13,000 (3.8)	18,000 (5.3)
SEER (Rated)				15.5	15.2
EER (Rated)		Btu/h-W		12.5	10.3
HSPF (Rated)				8.6	9.4
Indoor unit		with factory disconnect		FTQ18TAVJUD	FTQ24TAVJUD
		without factory disconnect		FTQ18TAVJUA	FTQ24TAVJUA
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
	Face area	ft. ² (m ²)		3.75 (35)	3.75 (35)
Fan	Type			Sirocco FC Centrifugal	Sirocco FC Centrifugal
	Motor output	HP		1/2	1/2
	Airflow rate (H/M/L)	cfm (m³/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			BRC1E73, BRC2A71	BRC1E73, BRC2A71
	Wireless			BRC4C82	BRC4C82
Outdoor unit				RZQ18TAVJU	RZQ24TAVJU
Casing/color				Ivory white	Ivory white
Dimensions	H × W × D	in. (mm)		39 × 37 × 12–5/8 (990 × 940 × 320)	39 × 37 × 12–5/8 (990 × 940 × 320)
Coil	Type			Cross fin coil	Cross fin coil
	Rows × Stages × FPI			2 × 44 × 19	2 × 44 × 19
	Face area	ft. ² (m ²)		9.5 (0.88)	9.5 (0.88)
Compressor	Model			2YC63ABXDD	2YC63ABXDD
	Type			Hermetically sealed swing type	Hermetically sealed swing type
	Motor output	kW		1.9	1.9
Fan	Model			P51J11F	P51J11F
	Type			Propeller fan	Propeller fan
	Motor output	W		200	200
	Airflow rate	cfm (m³/min)		2,682 (76)	2,682 (76)
Weight		lbs (kg)		172 (78)	172 (78)
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 plugs, Fuse		High pressure switch, Outdoor fan driver overload protector, Inverter overload protector, Fusible plugs, Fuse
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)		164 (50)	164 (50)
	Max. height difference	ft (m)		98 (30)	98 (30)
Refrigerant	Type			R410A	R410A
	Charge	lbs (kg)		6.4 (2.9)	6.4 (2.9)
Ref. oil	Type			Refer to the name plate of compressor.	Refer to the name plate of compressor.
	Charge	L		1.08	1.08

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), level 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), level 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), level 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.

FTQ18-48TAVJUD

FTQ18-48TAVJUA

Model	Power Supply					IFM		Input (W)	
	Hz	Volts	Voltage range	MCA	MOP	HP	FLA	Cooling	Heating
FTQ18TAVJUD	60	208/230 V	Max. 229 V Min. 187 V Max. 253 V Min. 209 V	4.9	15	1/2	3.9	215	215
FTQ24TAVJUD	60	208/230 V		4.9	15	1/2	3.9	273	273
FTQ30TAVJUD	60	208/230 V		4.9	15	1/2	3.9	407	407
FTQ36TAVJUD	60	208/230 V		4.9	15	1/2	3.9	436	436
FTQ42TAVJUD	60	208/230 V		6.5	15	3/4	5.2	473	473
FTQ48TAVJUD	60	208/230 V		6.5	15	3/4	5.2	518	518
FTQ18TAVJUA	60	208/230 V	Max. 229 V Min. 187 V Max. 253 V Min. 209 V	4.9	15	1/2	3.9	215	215
FTQ24TAVJUA	60	208/230 V		4.9	15	1/2	3.9	273	273
FTQ30TAVJUA	60	208/230 V		4.9	15	1/2	3.9	407	407
FTQ36TAVJUA	60	208/230 V		4.9	15	1/2	3.9	436	436
FTQ42TAVJUA	60	208/230 V		6.5	15	3/4	5.2	473	473
FTQ48TAVJUA	60	208/230 V		6.5	15	3/4	5.2	518	518

Symbols:

MCA : Minimum Circuit Amps (A)

MOP : Maximum Overcurrent Protective Device (A)

IFM : Indoor Fan Motor

HP : Fan Motor Rated Output (HP)

FLA : Full Load Amps (A)

Notes:

1. Voltage range

Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.

2. Maximum allowable voltage imbalance between phases is 2%.

3. Select wire size based on the MCA.

8.2 Electric heater

FTQ18-36TAVJUD

FTQ18-36TAVJUA

Model	CIRCUIT 1			CIRCUIT 2			SINGLE-POINT KIT	
	AMPS	MCA	MOP	AMPS	MCA	MOP	MCA	MOP
FTQ18TAVJUD FTQ18TAVJUA	0/0	4.9/4.9	15/15	—	—	—	—	—
HKS*03XC*	10.8/12.5	18.4/21	20/25	—	—	—	—	—
HKS*05XC*	17.3/20	27/29.9	30/30	—	—	—	—	—
HKS*06XC*	21.7/25	32/36.1	35/40	—	—	—	—	—
HKS*08XC*	28.9/33.3	41/46.5	45/50	—	—	—	—	—
HKS*10XC*	34.7/40	48/54.9	50/60	—	—	—	—	—
FTQ24TAVJUD FTQ24TAVJUA	0/0	4.9/4.9	15/15	—	—	—	—	—
HKS*03XC*	10.8/12.5	18.4/21	20/25	—	—	—	—	—
HKS*05XC*	17.3/20	27/29.9	30/30	—	—	—	—	—
HKS*06XC*	21.7/25	32/36.1	35/40	—	—	—	—	—
HKS*08XC*	28.9/33.3	41/46.5	45/50	—	—	—	—	—
HKS*10XC*	34.7/40	48/54.9	50/60	—	—	—	—	—
FTQ30TAVJUD FTQ30TAVJUA	0/0	4.9/4.9	15/15	—	—	—	—	—
HKS*03XC*	10.8/12.5	18.4/21	20/25	—	—	—	—	—
HKS*05XC*	17.3/20	27/29.9	30/30	—	—	—	—	—
HKS*06XC*	21.7/25	32/36.1	35/40	—	—	—	—	—
HKS*08XC*	28.9/33.3	41/46.5	45/50	—	—	—	—	—
HKS*10XC*	34.7/40	48/54.9	50/60	—	—	—	—	—
FTQ36TAVJUD FTQ36TAVJUA	0/0	4.9/4.9	15/15	—	—	—	—	—
HKS*03XC*	10.8/12.5	18.4/21	20/25	—	—	—	—	—
HKS*05XC*	17.3/20	27/29.9	30/30	—	—	—	—	—
HKS*06XC*	21.7/25	32/36.1	35/40	—	—	—	—	—
HKS*08XC*	28.9/33.3	41/46.5	45/50	—	—	—	—	—
HKS*10XC*	34.7/40	48/54.9	50/60	—	—	—	—	—

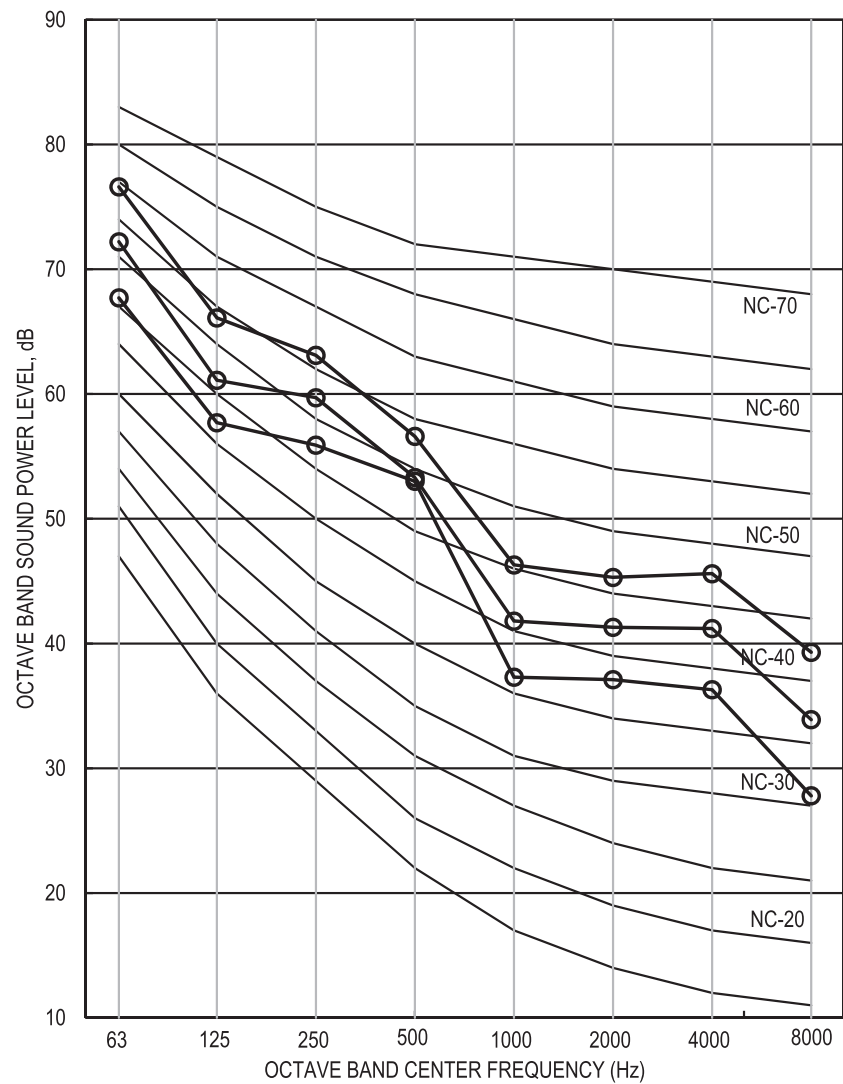
Notes:

1. AMPS indicates heater amp draw.
2. Circuit 1 indicates single point power connection requirements when using a single stage electric heater. Circuit 1 powers both the FTQ printed circuit board as well as the 1st stage of heat.
3. Circuit 2 indicates the power requirements for a second power point connection when using a two stage heater (15 kW and above).
4. Consult installation manual when using electric heater with FTQ18-36TAVJUD models.

FTQ18TAVJUD
FTQ18TAVJUA

Sound levels tested in accordance with AHRI 260.

Ducted Inlet



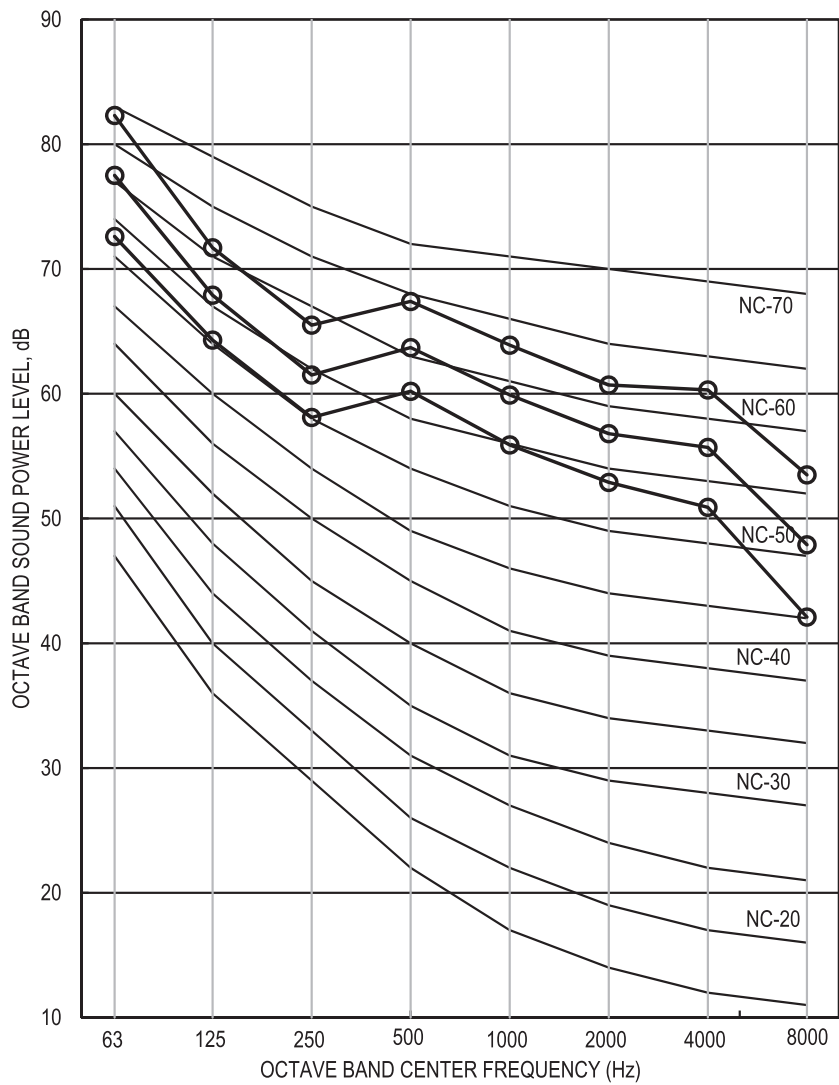
OVER ALL (dB)

TYPE	SCALE	H	M	L
Sound Power (Lw)	A	59	55.2	51.3
Sound Pressure (Lp)	A	50.7	46.8	44.1

FTQ18TAVJUD
FTQ18TAVJUA

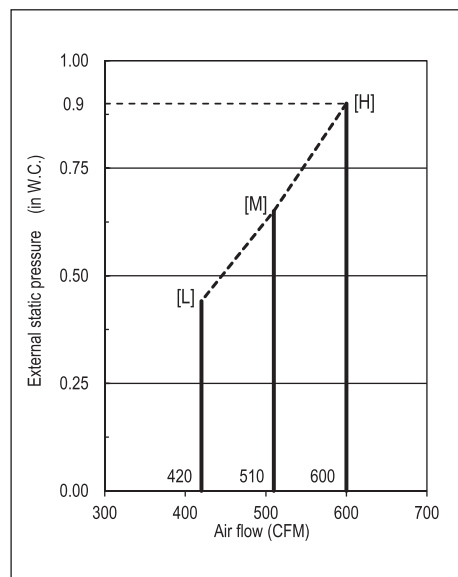
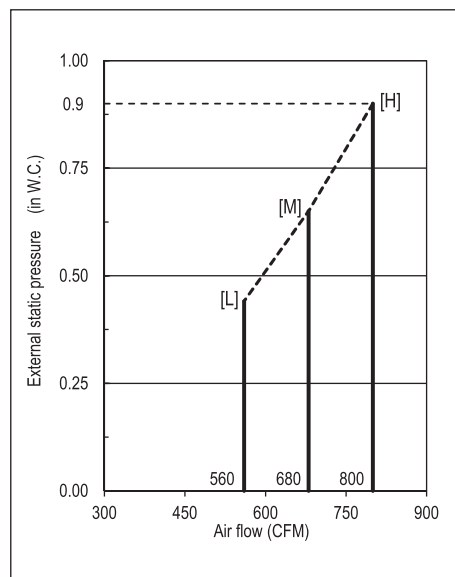
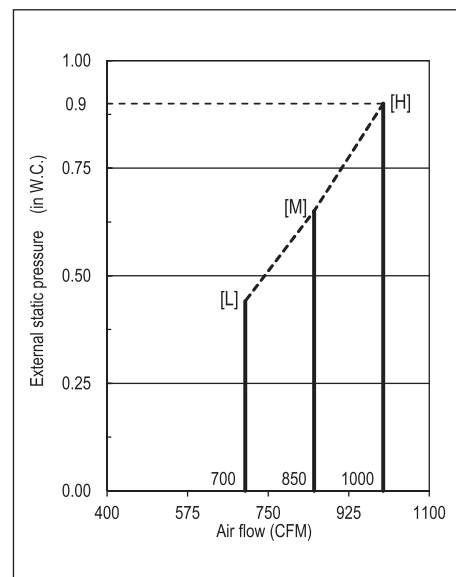
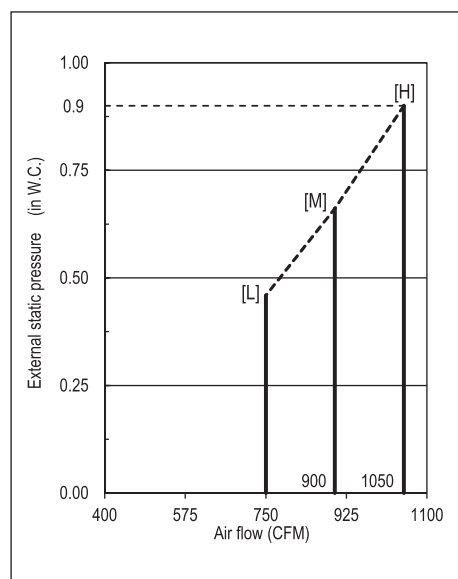
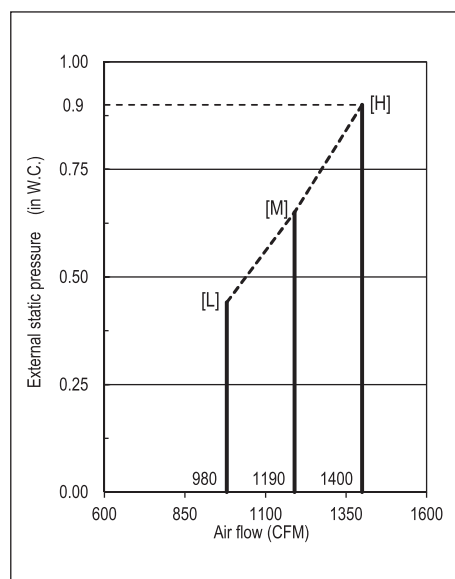
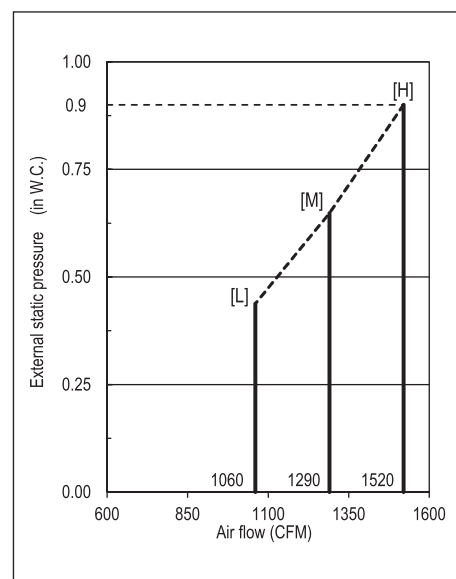
Sound levels tested in accordance with AHRI 260.

Ducted Discharge



OVER ALL (dB)

TYPE	SCALE	H	M	L
Sound Power (Lw)	A	69.6	65.6	61.7
Sound Pressure (Lp)	A	59.9	55.9	52

16.2 FTQ**FTQ18TAVJUD****FTQ18TAVJUA****FTQ24TAVJUD****FTQ24TAVJUA****FTQ30TAVJUD****FTQ30TAVJUA****FTQ36TAVJUD****FTQ36TAVJUA****FTQ42TAVJUD****FTQ42TAVJUA****FTQ48TAVJUD****FTQ48TAVJUA****Notes:**

1. If the airflow is less than 10% of the rated air volume, it is automatically adjusted to the rated air volume.
2. The unit automatically adjusts the external static pressure between 0.0 in. W.C. - 0.9 in. W.C.
3. Airflow cannot operate at the rated value if it is outside the ESP range in the above graph.
4. Fan speed is changeable by using the remote controller.