

Selection Guide for Energy Recovery, Packaged Ventilation Systems and Make-Up Air



BINDER TAB	Model	Recovery			Heating Options					Cooling Options					Low Sound Condenser Fans	Blower Type			Performance		
		Energy Wheel	Energy Core	Aluminum Plate	Hot Water	Indirect Gas	Electric	Wrap-Around Heat Pipe	Water Source Heat Pump	Chilled Water	Evaporative Cooling	Water Source Heat Pump	Split Direct Expansion (DX)	Packaged Direct Expansion (PDX)		Forward-Curved	Backward-Inclined	Airfoil Plenum	Minimum Volume (cfm)	Maximum Volume (cfm)	Maximum Static Pressure (in. wg)

ENERGY RECOVERY VENTILATORS

PRECONDITIONERS	ERM	✓																	600	10,000	-
	MiniVent	✓													✓				150	850	1
	ERV	✓													✓				500	12,000	1.5
	ERVe	✓													✓				1,000	6,000	1
	MiniCore		✓												✓				300	1,000	1
	ECV		✓												✓				500	3,300	1
	PVe			✓											✓				1,000	6,000	2
WITH COOLING & HEATING	ERCH	✓			✓	✓	✓			✓	✓	✓	✓	✓	✓				1,000	10,000	1.75
	ERT	✓			✓		✓	✓		✓		✓			✓				2,000	10,000	1.75
	APEX	✓			✓		✓			✓		✓			✓		✓		10,000	20,000	2.5

PACKAGED VENTILATION SYSTEMS

PACKAGED VENTILATION SYSTEMS	RV				✓	✓	✓			✓			✓	✓	✓			✓	800	13,500	3
	RVE	✓			✓	✓	✓			✓			✓	✓	✓			✓	800	13,500	3



BINDER TAB	Model	Airflow Options		Heating Options					Cooling Options					Low Sound Condenser Fans	Mounting Options		Blower Type			Performance		
		Variable Air Volume	Recirculation	Direct Gas	Indirect Gas	Steam	Hot Water	Electric	None	Chilled Water	Evaporative Cooling	Split Direct Expansion (DX)	Packaged Direct Expansion (PDX)		Indoor	Outdoor	Forward-Curved	Mixed Flow Plenum	Direct Drive Backward-Curved	Combo Curb	Minimum Volume (cfm)	Maximum Volume (cfm)

MAKE-UP AIR

DIRECT GAS-FIRED	DG	✓		✓							✓			✓	✓	✓		✓	800	15,000	2
	DGX	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	800	48,000	4
	TSU	✓	✓	✓						✓				✓	✓	✓			33,000	64,000	3
	VSU	✓	✓	✓										✓	✓	✓			800	64,000	3
INDIRECT GAS-FIRED	IG		✓		✓					✓				✓	✓	✓		✓	800	7,000	2
	IGX	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓	✓		✓	800	15,000	3
COIL HEATING/ NO HEAT	KSFD								✓						✓	✓		✓	300	2,000	2.5
	KSFB	✓							✓						✓	✓		✓	1,000	10,250	2.5
	MSF	✓							✓						✓		✓	✓	500	5,300	3
	MSX	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	800	48,000	4
	TSF	✓							✓	✓				✓	✓	✓			33,000	64,000	3



Selection Guide for Air Handlers and Fan Coils

BINDER TAB	Model	Applications						Drive Type	Blower Type	Construction Options	Heating Options	Cooling Options	Filters			Performance							
		Schools	Office Buildings	Hospitals	Clean Rooms	High-end Residential	Conference Centers	Retrofit Project	Direct Drive	Belt Drive	Forward Curve	Backward Inclined	Low Profile Design	Modular Construction	Steam	Hot Water	Electric	Direct Expansion (DX)	Chilled Water	2-inch — 30% Efficient	4-inch — 65% Efficient	4-inch — 95% Efficient	Minimum Volume (cfm)

AIR HANDLERS AND FAN COILS

AIR HANDLERS & FAN COILS	LFC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	400	5,000	4.0	
	MSCF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	400	5,000	4.5
	VFCD	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	400	4,000	1.5
	VFC	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	400	4,000	3.3



LFC



MSCF



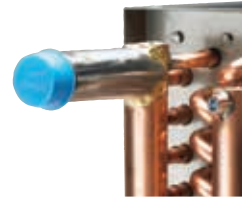
VFCD



VFC

Selection Guide for Coils

		Custom						Booster		
		Chilled Water	Hot Water	Direct Expansion (DX)	Condenser	Standard Steam	Steam Distributing	Hot Water	Standard Steam	
Tube Diameter (inches)	5/16			✓	✓					
	3/8	✓	✓	✓	✓					
	1/2	✓	✓	✓	✓					
	5/8	✓	✓	✓	✓	✓	✓	✓	✓	
	1					✓	✓			
Rows	Minimum Rows	1	1	1	1	1	1	1	1	
	Maximum Rows	12	12	12	12	2*	2*	2	2	
Fin Height (inches)	Minimum	<i>Fin height is dependent on tube diameter (see Tube Diameter chart)</i>							6	6
	Maximum								24	24
	Increments of								3	3
Fin Length (inches)	Minimum	<i>Minimum fin length is 1 inch</i>							6	6
	Maximum	<i>Maximum fin length is 200 inches (144 inches for steam) with center supports every 50 inches</i>							48**	48**
	Increments of	<i>No restrictions on fin length increments.</i>							1	1
Recommended Face Velocity (FPM)	Minimum	400	500	400	600	500	500	500	500	
	Maximum	550	800	550	750	850	850	800	850	



Fin Height	Minimum	Maximum	Increments of
5/16 inch	5.0	96	1.00
3/8 inch	5.0	120	1.00
1/2 inch	5.0	120	1.25
5/8 inch	4.5	120	1.50
1 inch	6.0	96	3.00

*Minimum row of 1 inch tube diameter

**Booster coil fin lengths are dependent on the fin height.