

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

BINDER TAB	Model	Energy Recovery		Heating Options				Cooling Options			Low Sound Condenser Fans	Blower Type			Performance		
		Energy Wheel	Energy Core	Hot Water	Indirect Gas	Electric	Air-Source Heat Pump	Chilled Water	Air-Source Heat Pump	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	✓										✓			300	12,000	1.5
	ERVe	✓										✓			1,000	6,000	1.5
	ERVi	✓											✓		375	2,500	2
	MiniCore		✓									✓			150	1,000	1
	ECV		✓										✓		300	5,000	2

PACKAGED VENTILATION SYSTEMS (DEDICATED OUTDOOR AIR SYSTEMS)

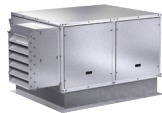
PACKAGED VENTILATION SYSTEMS	RV			✓	✓	✓	✓	✓	✓	✓	✓			✓	500	18,000	3
	RVE	✓		✓	✓	✓	✓	✓	✓	✓	✓			✓	500	18,000	3
	RVC		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	500	6,500	3



ERM



MiniVent



ERV/ERVe



MiniCore



ECV



RVE



RVC

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

MAKE-UP AIR

DIRECT GAS-FIRED	DGX	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	800	48,000	4
	TSU	✓	✓	✓							✓			✓	✓	✓				33,000	64,000	3
	VSU	✓	✓	✓										✓	✓	✓				800	64,000	3
INDIRECT GAS-FIRED	IGX	✓	✓		✓					✓	✓		✓	✓	✓		✓		✓	800	15,000	3
COIL HEATING/ NO HEAT	MSX	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	800	48,000	4
	TSF	✓							✓		✓			✓	✓	✓				33,000	64,000	3



DGX



TSU



VSU

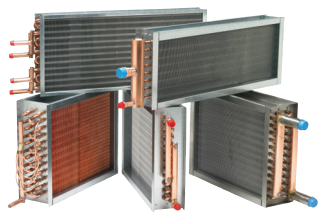


IGX



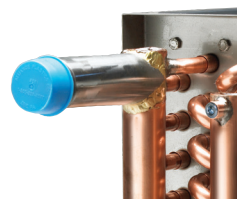
MSX

Selection Guide for Coils

		Custom						Booster	
		Chilled Water	Hot Water	Direct Expansion (DX)	Condenser	Standard Steam	Steam Distributing	Hot Water	Standard Steam
COILS									
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

*Minimum row of 1 inch tube diameter

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



Tube Diameter Chart (inches)

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