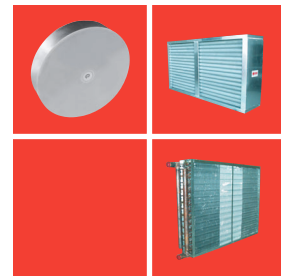


Semi-Custom Energy Recovery Package

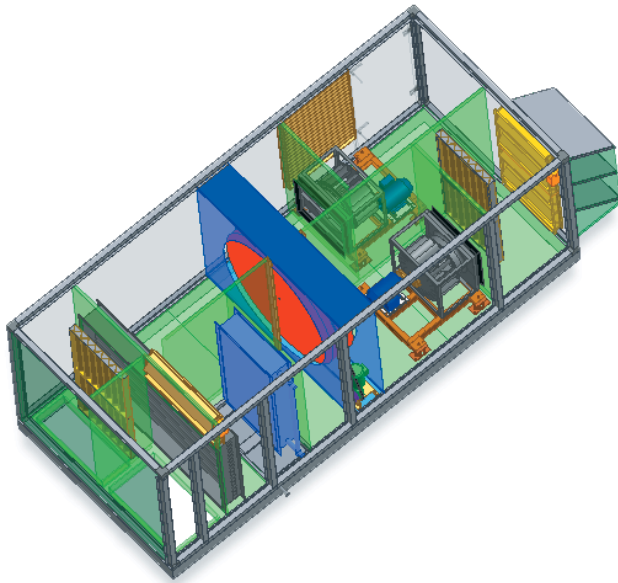
Exterior Applications

400 to 30 000 CFM



ERP-E

series



The Definition of "Flexibility" with Annexair Modular Approach

The ERP-E series is a packaged roof top energy recovery unit, designed for 100% outside air. Annexair's ERP is the most versatile air-to-air heat recovery unit available in the industry today. Design your own Energy Recovery Package from the large array of pre-designed modules ranging from 400 to 30 000 CFM.

Starting with a standard Enthalpy Wheel or Heat-Pipe module, you can choose from a wide selection of pre-designed blocks and arrange them to satisfy your application's specific needs. The ERP-E series provides the most economical way to meet today's challenging indoor air quality standards while reducing energy consumption through continuous heat recovery year round.



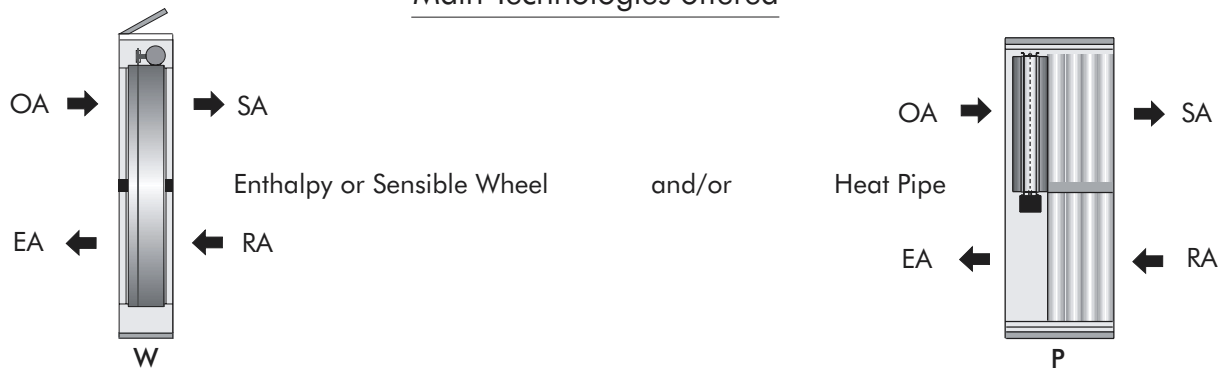
*Single or Dual
Energy Recovery Devices*



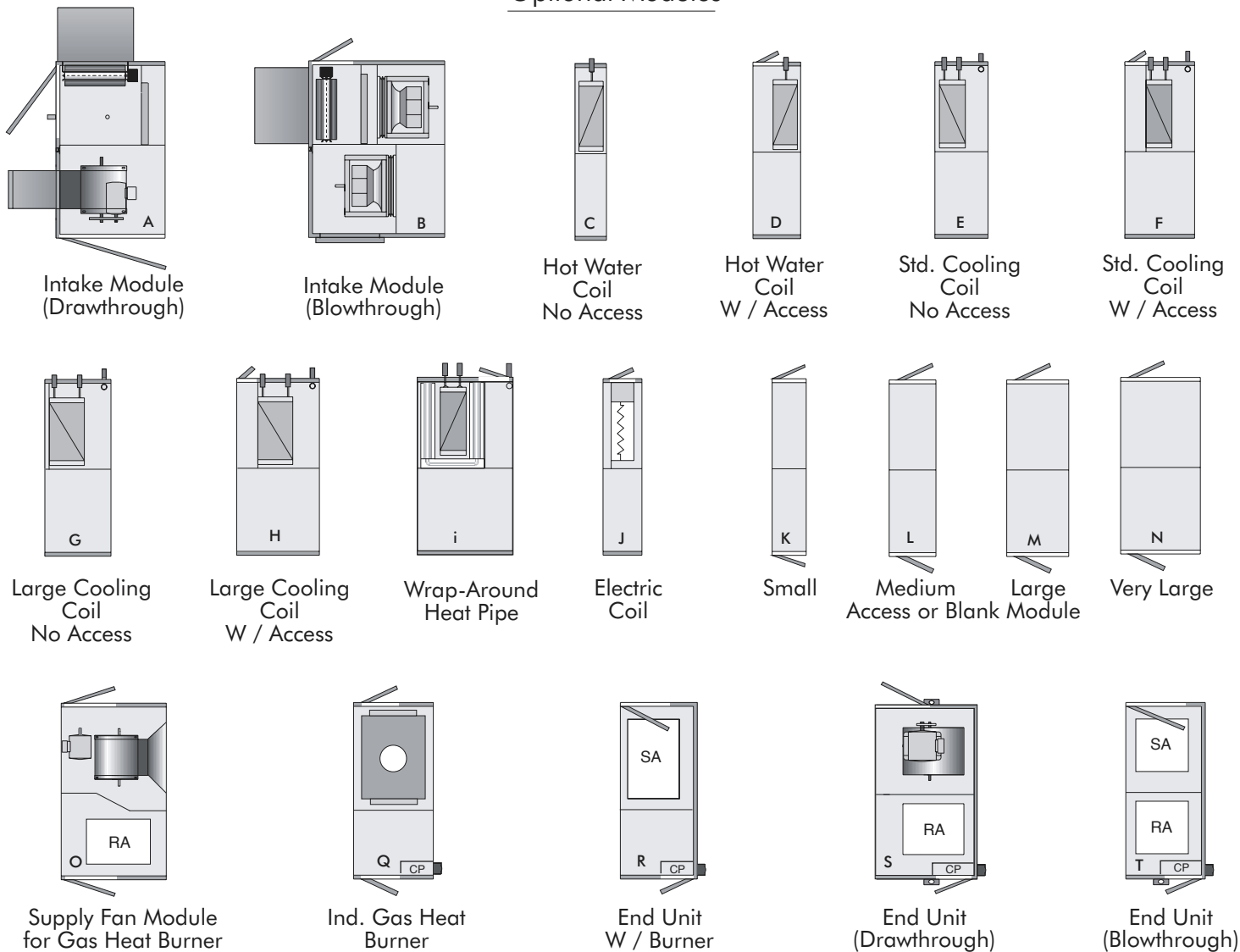
Designing an Energy Recovery Unit like our ERP series has never been so quick and easy. Begin by selecting the heat recovery technology you require, and then chose from the wide range of optional modules to create your own design. Units are graphically represented as multiple modules, however units are normally built and shipped in one piece. Units are completely pre-wired, tested and ready to operate for easy job-site installation.

The ERP-E series comes in 11 pre-designed casing sizes ranging from 400 to 30 000 CFM. Standard features include a durable weather-resistant housing, a high efficiency energy recovery wheel or heat-pipe, independently driven fans and a single-point power connection. The ERP-E series is available with more options and accessories than any other competing product.

Main Technologies offered

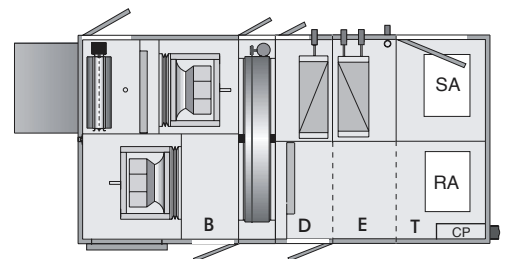
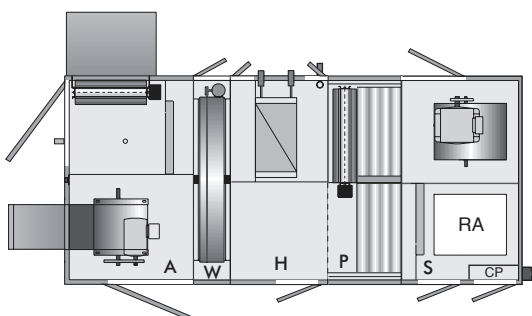
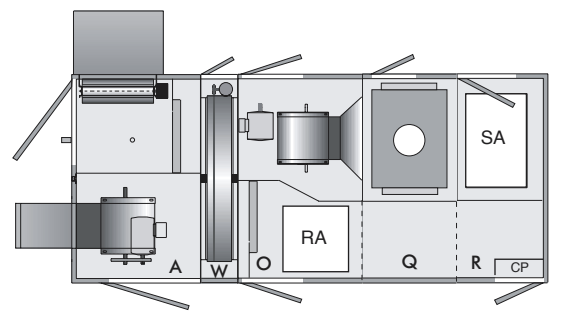
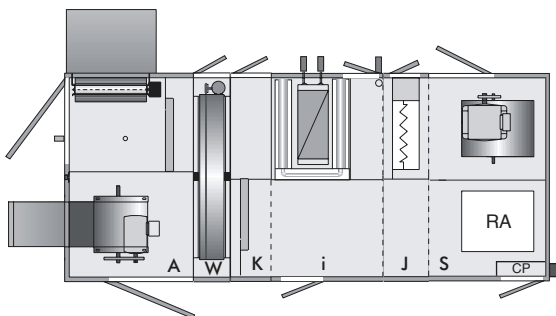
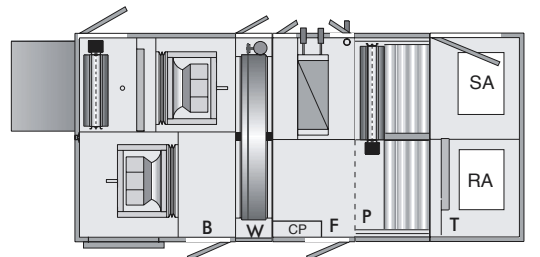
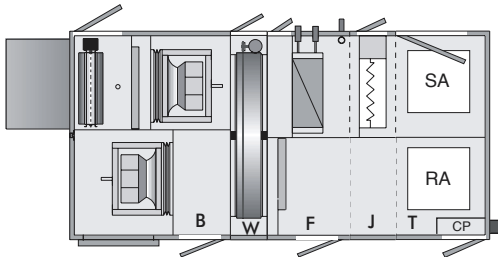
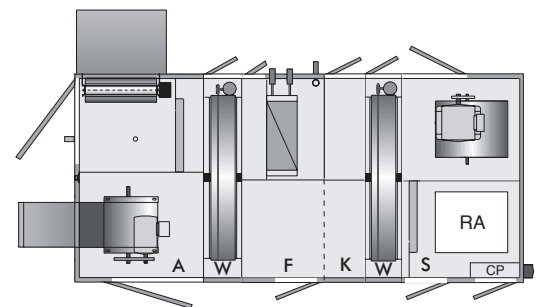
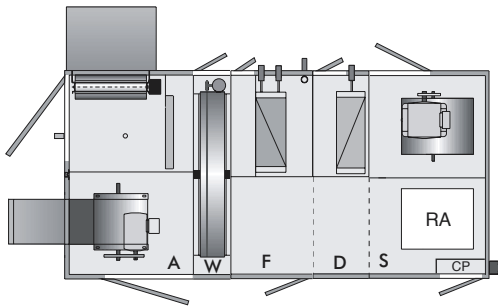
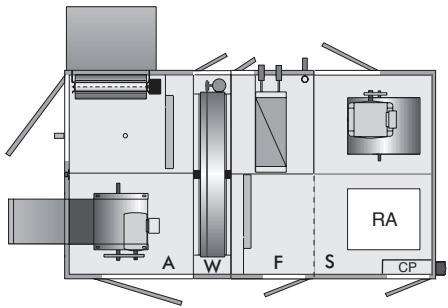


Optional Modules



“Multiple Modules for Multiple Configurations”

The examples shown below are only a few of the numerous configurations that are possible with the ERP-E series. Each unit can be ordered with a horizontal or vertical duct arrangement and the option for a factory mounted air-cooled condensing section is also available upon request. Please refer to our RPW series for details or ask your local sales representative for more information.



Standard Features ERP-E

- Weather-tight housing with domed roof
- Single or Double wall construction, with 1" or 2" insulation
- Fully galvanized steel housing and base with rigid aluminum framing system with durable exterior painted finish
- Oversized intake hoods and bird screens
- Gravity exhaust damper with hood
- High Efficiency scroll or plenum type fans with FC, BI or Airfoil blades.
- High Efficiency fan motors
- 25-30% ASHRAE rated pre-filters installed in both airstreams
- Large access doors, hinged and latched
- Single point power connection with UL and/or CSA listed components
- 5 year warranty on Heat Recovery Options

Design Airflow & Wheel Performance

MODEL SIZE	MINIMUM AIRFLOW	CFM x 100 % efficiency										MAXIMUM AIRFLOW																				
01	4	6	8	10	12	14	87.5	82.2	78.3	71.2	67.7	64.5																				
02	12	14	16	18	20	22	24	26	83.0	80.8	78.8	77.0	75.2	72	70.9	70.5																
03	20	24	28	32	36	40	44	82.6	79.9	77.5	75.3	73.3	71.4	69.6																		
04	32	34	36	38	40	42	44	46	48	50	52	54	79.9	78.4	77.5	76.6	75.7	74.4	73.8	73.2	72.6	72.0	71.4	70.4								
05	48	50	52	54	56	58	60	62	64	76.4	75.7	75.1	74.4	73.8	73.2	72.6	72.0	71.4														
07	60	62	64	66	68	70	72	74	76	78	80	82	84	86	77.2	76.7	76.2	75.6	75.1	74.6	74.2	73.7	73.2	72.7	72.3	71.8	71.4	69.1				
09	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	76.0	75.6	75.2	74.8	74.4	74.0	73.6	73.2	72.9	72.5	72.1	71.8	71.4	71.1	70.7	70.4
12	100	104	108	112	116	120	124	128	132	136	140	144	148	150	75.7	75.1	74.4	73.8	73.2	72.6	72.0	71.4	70.8	70.3	69.7	69.2	68.7	68.4				
16	140	144	148	152	156	160	164	168	172	176	180	74.2	73.7	73.3	72.8	72.3	71.9	71.4	71.0	70.5	70.1	69.7										
20	160	170	180	190	200	210	220	230	240	75.3	74.3	73.3	72.3	71.4	70.5	69.6	68.8	68.0														
25	190	200	210	220	230	240	250	260	270	280	290	300	310	75.5	74.6	73.8	73.0	72.2	71.4	70.7	69.9	69.2	68.5	67.9	67.2	66.6						

Heat Recovery Options

Energy recovery wheel for total enthalpy transfer, includes:

- Unique Annexair low leak contact seals
- Maintenance free drive motor and Integral bearing

Heat Pipe for sensible recovery only, includes:

- No potential for carry over on critical applications.
- Independently sealed, integrally finned aluminum tubes
- 1" internal diameter tubes for maximum performance

Unit Options

- All types of heating and cooling coils
- All type of filters
- All type of dampers
- IAQ drain pans stainless steel
- Service disconnect
- Flexible duct connectors w/ seismic isolators
- Sound attenuation with perforated lining
- Roof curbs
- Interior lining: Aluminum or stainless steel
- Available in all standard voltages

Controls

- LonMark ® Microprocessor
- Economizer / free-cooling
- Dirty filter gauges, wheel rotation detector, air flow switches, 7-day timer and smoke detector alarm
- Terminal interface compatible with all Building Automation Systems

