

Model	A	B	ØC	D	E	F	G	H	I	J	K
TEMPERO ECO IL 250	832	37	156	515	861	900	905	600	45	351	269
TEMPERO ECO IL 400	1000	37	156	515	1030	1070	1074	600	70	260	301
TEMPERO ECO IL 550	1000	35	196	515	1030	1070	1074	600	145	290	491



TEMPERO ECO IL E BP

CENTRALIZED HEAT RECOVERY UNIT

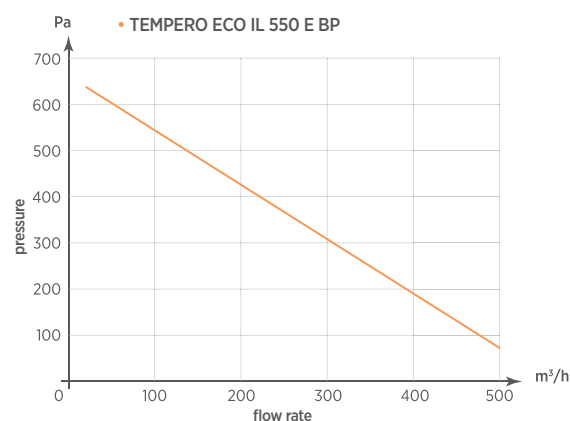
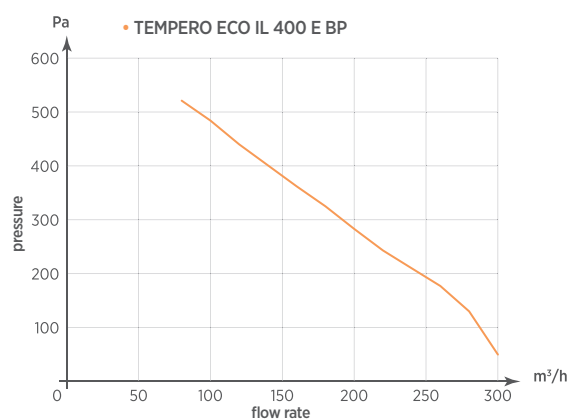
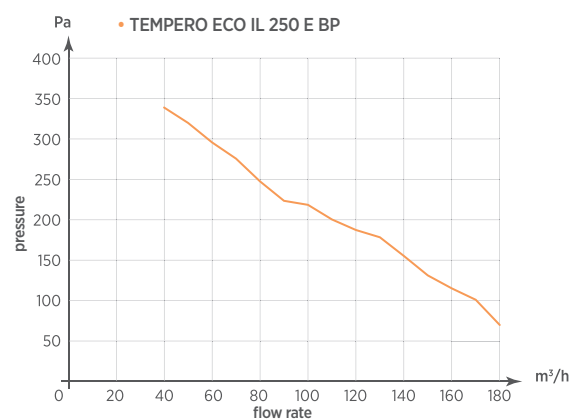
- Heat Recovery Unit with counter flow heat exchanger for IN-LINE installation;
- High thermal efficiency: heat exchanger > 90%;
- Plug Fan with EC centrifugal brushless motor, high performance, low energy consumption;
- Equipped with synthetic fiber class G4 filters (F7 optional on fresh air);
- Self-supporting structure made with soundproof sandwich panels;

- Drip tray to condensate drainage;
- Suitable for installation in horizontal-vertical-left-right position;
- Equipped with automatic BY-PASS;
- Adjustable speed through wireless controller (included);
- In Compliance with ERP 2016 Directive.

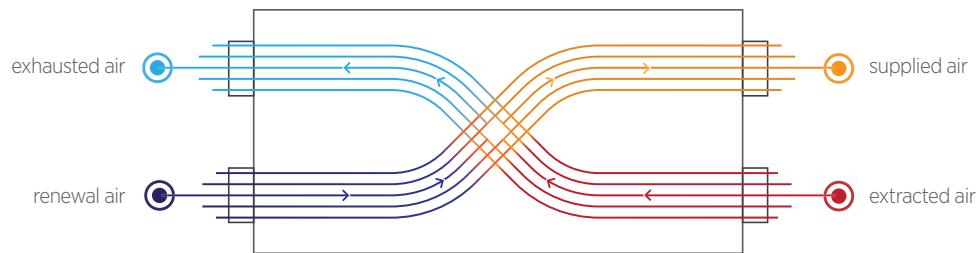
TECHNICAL DATA

Model	Code	Ø tubes (mm)	Voltage (Volt)	Frequency (Hz)	Flow rate (m³/h)	Useful capacity utile (mm H ₂ O)	Useful capacity utile (Pa)	Power (W)	Nom. Curr. (A)	Noisiness dB(A) _{3m}	Weight (Kg)
TEMPERO ECO IL 250 E BP	0068820	160	230	50	160	10,2	100	60	0,6	32,9	28
TEMPERO ECO IL 400 E BP	0068850	160	230	50	280	10,2	100	172	1,5	38,5	38
TEMPERO ECO IL 550 E BP	0068880	200	230	50	500	8,2	80	172	1,5	38,5	68

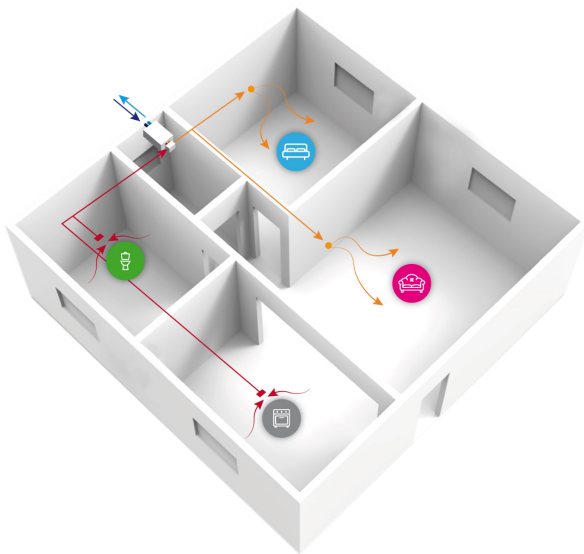
FLOW CHARTS



FLOW SCHEME



INSTALLATION EXAMPLE



The “foul” air is extracted from the so-called “technical” premises of the house (bathroom, kitchen...) and through suitable ducts connected to the plenum reaches the TEMPERO ECO IL E BP recovery unit where the heat exchange occurs by mixing with the fresh air before being exhausted.

The fresh air, in fact, is introduced from the outside directly from Tempero where it is filtered, it crosses the heat exchanger and, after reaching the Plenum, it is directed towards the “noble” premises (living room, bedrooms...).

IN EVIDENCE

COMPACT SIZES (250 VERSION)

TEMPERO ECO IL E BP can be easily installed in false ceiling as the less invasive choice due to reduced dimensions.

90% MAXIMUM EFFICIENCY

TEMPERO ECO IL E BP, allows to achieve a high degree of efficiency in terms of energy recovery, thanks to a counter flow heat exchanger: when outside temperature is -2°C and internal temperature is 21°C, the air blown into the room will be around 19°C.

E BP (BY-PASS) VERSION

When recovering the heat of the extracted air is not convenient, for example in summer, the By-Pass allows to use TEMPERO ECO IL E BP thus avoiding the extracted air to cross the heat exchanger.

ELECTRONIC COMMUTATED BRUSHLESS MOTORS (EC)

The Electronically Commutated Brushless technology allows the two engines of TEMPERO ECO IL E BP to reach a high energy saving and long life, granted by ball bearing motor.

FILTERS WITH A HIGH DEGREE OF FILTRATION

Both the fresh and the extracted air are filtered through synthetic fiber class G4 filters. (F7 optional on fresh air. This filter grants to keep the environment protected from air impurities).

Two synthetic fiber class G4 filters, ensure a high degree of filtration both on the incoming fresh air and the extracted air.

EVERYTHING UNDER CONTROL

Dedicated wireless controller (RG IL-V), supplied with the unit, with four modes of operation: “Away” (low speed), “Home” (medium speed), Party (speed at 100%) and “Timer” (high speed for 30, 60 or 90 minutes). The practical operating light (LED) is a fast and useful indication for the maintenance of the filters when becoming necessary.

Two optional control panels, having all the above features with a LED status for each mode, allow to keep some important values under control, such as the humidity level (RG IL-V HR and RG IL-V CO₂) or the CO₂ level (RG IL-V CO₂) and they eventually force the air extraction in case the level is arising above the pre-set threshold. The panel is equipped with a practical soft touch which allows to change modes or to set various levels of Humidity or CO₂.

More information on Control Panels can be found in the “remote controllers” section on page 48.