FAI-ED

- Heat recovery units with efficiency between 75 and 90%
- Counterflow aluminum heat exchanger
- Air flow between 300 and 3000 m³/h

GTDI-ED H

GTDI-ED V

Heat recovery units type FAI-ED

Heat recovery ventilator with equipped with medium efficiency counterflow heat exchanger (Eurovent certified) and centrifugal forward blades multi speed fan

Application

- Offices
- Business premises
- Hotels

Composition

- The case structure is made of extruded aluminium profiles and double skin Alizinc panels
- Double skin panels, sandwiched on injected polyurethane foam insulation , thickness 25 mm and density 42 Kg/m^3
  - The position of the ducting connections, made with circular spigots, are easily configurable simply by moving the ductiting connection panels
  - Horizontal or vertical installation
  - All models are equipped with automatic total bypass and mediu, efficiency heat exchanger

Fan

- 230V - 1ph - 50Hz direct driven blowers, double inlet with forward facing blades

Exchanger

- Aluminium counterflow heat exchanger

Filter

- M5 for exhaust air
- F7 for fresh air

Versions

- 5 models from 300 m^3/h up to 3000 m^3/h

Options

- Water (HW) or electric post-heating (internal)
- Water post-cooling (duct)
- Electric pre-heating (internal)
- Plug n' play versions (switchboard and prewired control on the machine)
- Grilles, dampers, silencers and valves H2O

Accessories

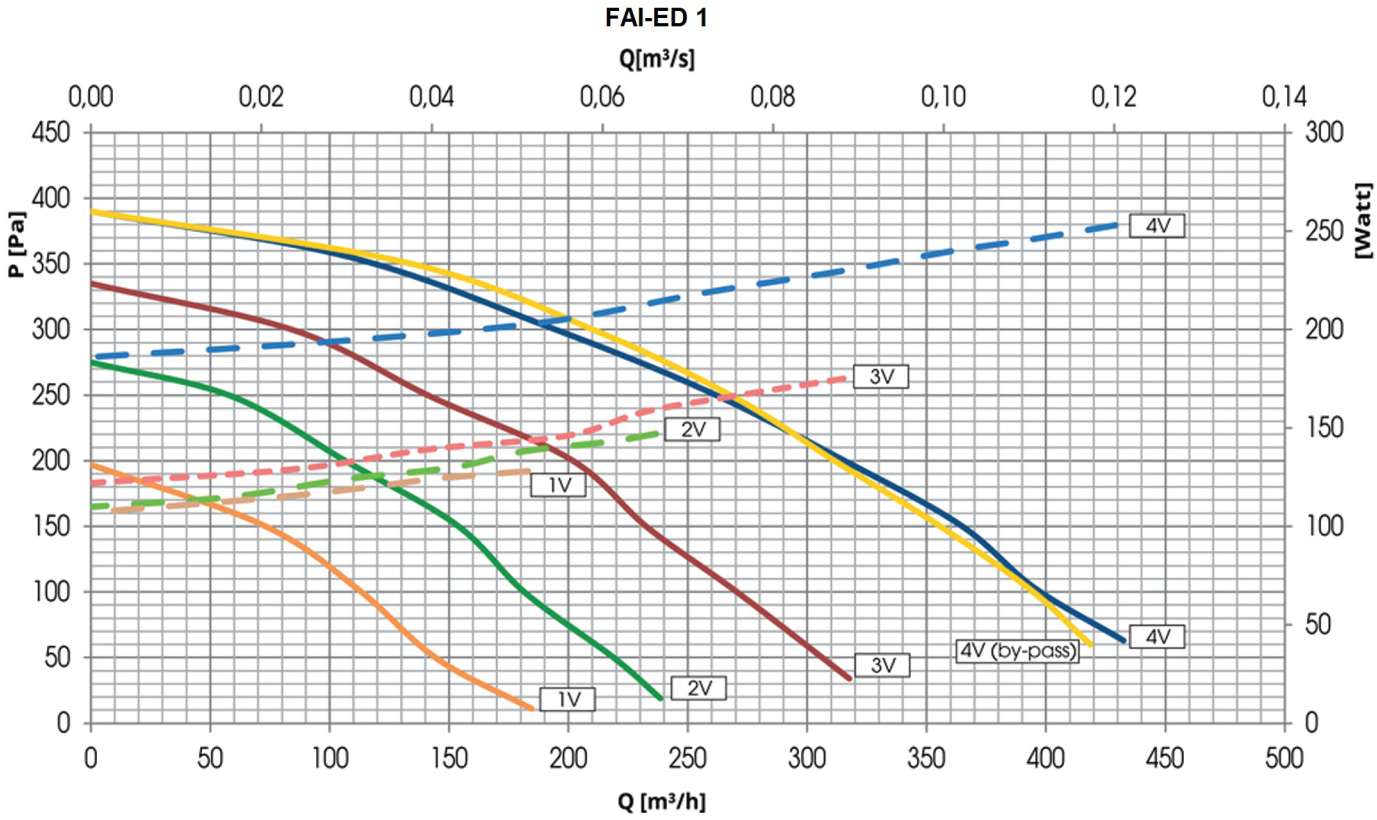
- Air quality sensorCO_2 / VOC
- Protection roof for outside installation
- Speed controller

Order example

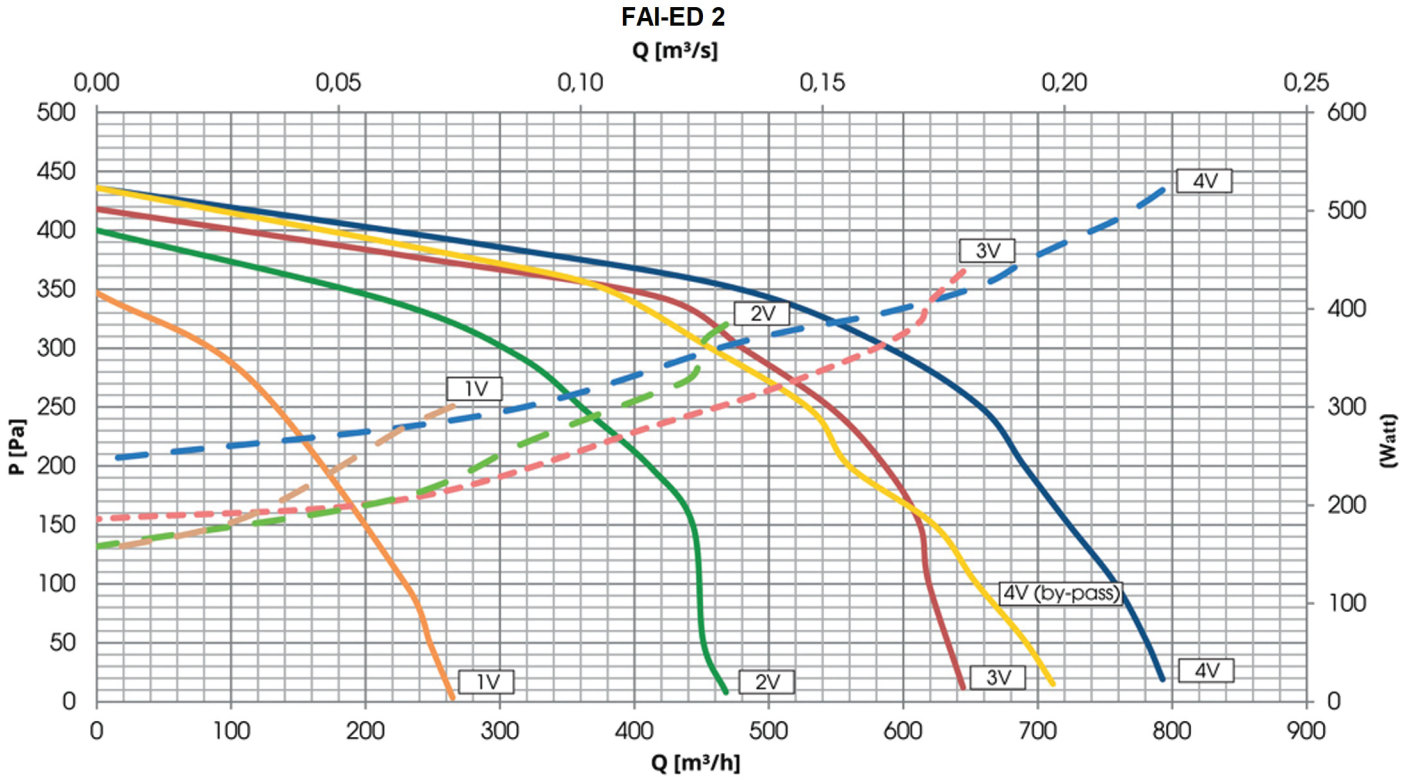
- **GTDI-ED1 H+ EVO-PH**

Explanation
GTDI-ED = Heat recovery unit type
H = Horizontal installation
1 = Size of the unit (**2, 3, 4, 5**)
EVO-PH = Microprocessor control unit

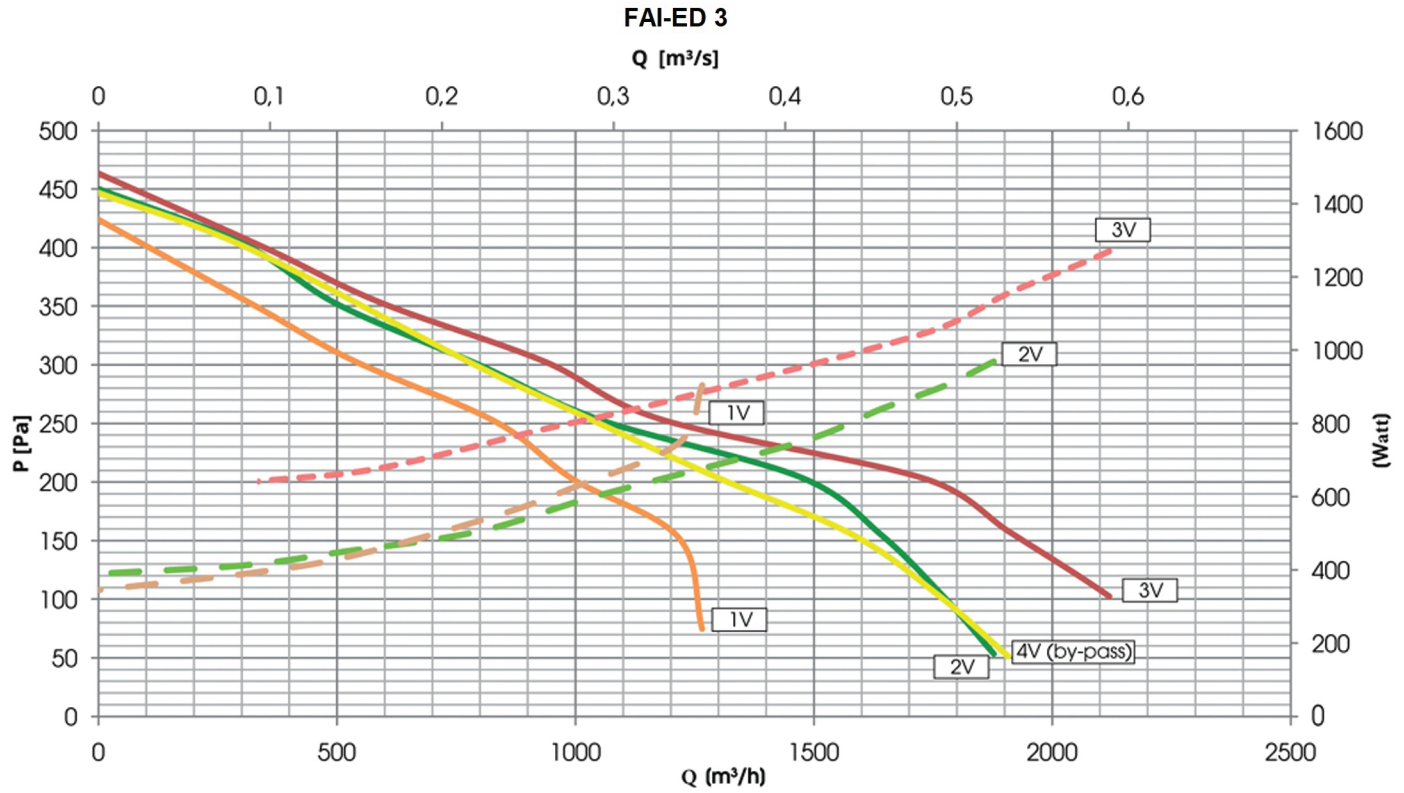
Selection curves



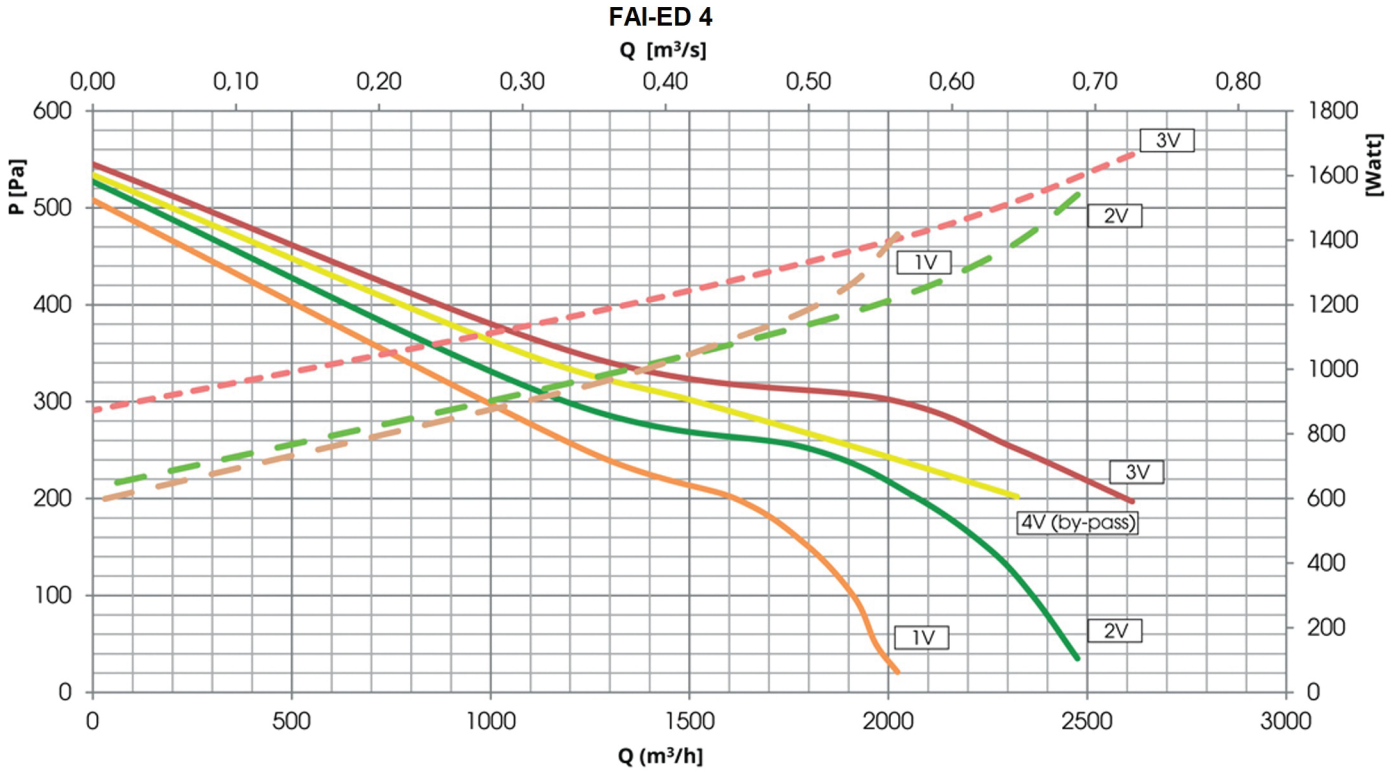
Selection curves



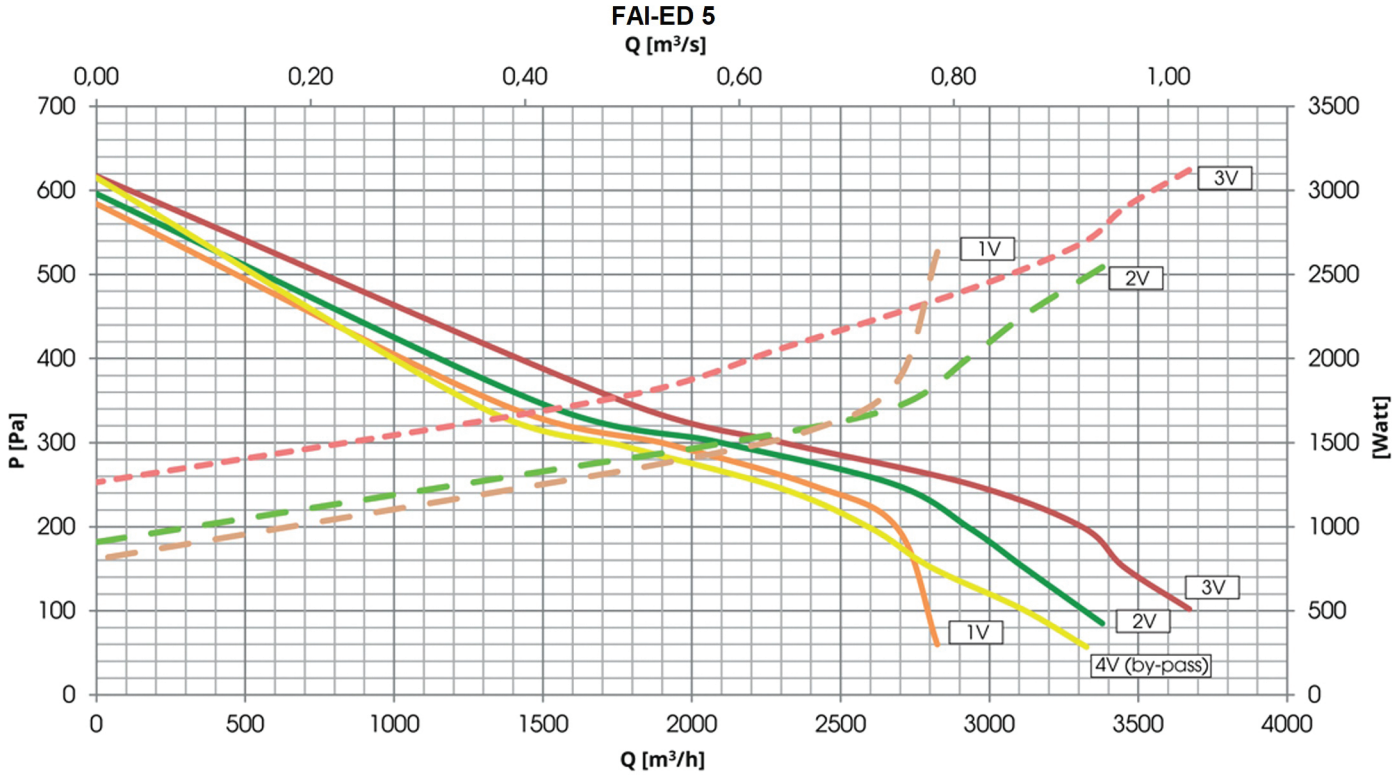
Selection curves



Selection curves

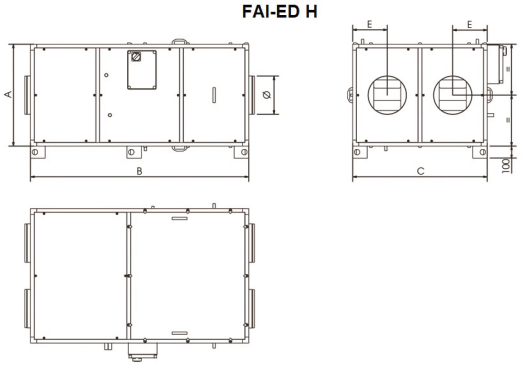


Selection curves



Technical data						
MODEL	GTDI-E 400	GTDI-E 800	GTDI-E 1900	GTDI-E 3000	GTDI-E 4500	GTDI-E 5600
NOMINAL AIR FLOW-m³/h	400	800	1900	3000	4500	5600
STATIC PRESSURE-Pa	85	100	140	180	100	120
CURRENT-A	1,32	3,10	5,5	8,80	6,20	11.2
VENTILATORS						
POWER-W	150x2	355x2	373x2	550x2	750x2	1500x2
PHASES	2	2	4	4	4	4
CURRENT -A	0,66x2	1,55x2	2.75x2	4x2	3,1x2	5,6x2
FAN SPEEDS	4	4	3	3	1	1
VOLTAGE-V/ph/Hz	230/1/50				400/3/50	
THERMAL RECOVERY UNIT						
EFFICIENCY-%	50,70	53,90	51,60	52,50	54	52,50
HEATING POWER RECOVERED-Kw	2,20	3,70	8,40	13,40	20,30	24,60
EXCHANGER HEAT	7,70	8,50	7,90	8,10	8,50	8,10
FILTERS						
Class for exhaust air	G4	G4	G4	G4	G4	G4
AIR SPEED-m/s	2,95	2,10	2,60	2,40	2,70	3
Values refered to the air flow including heat exchanger and filters						
Values refered to the next conditions: Temperature= 20 °C, Relative humidity= 50%, Nominal air flow						

FAI-ED H



FAI-ED V