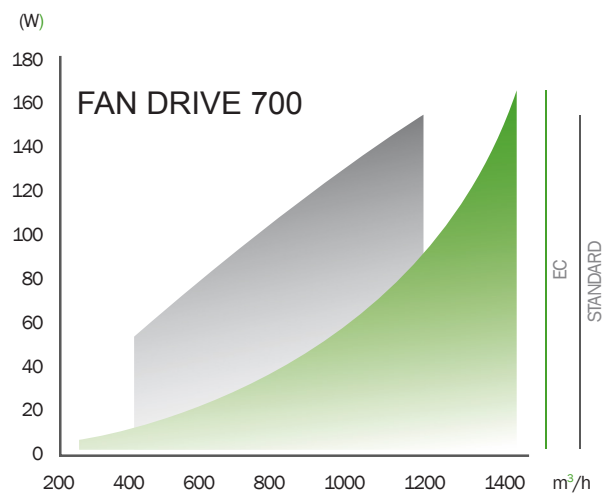
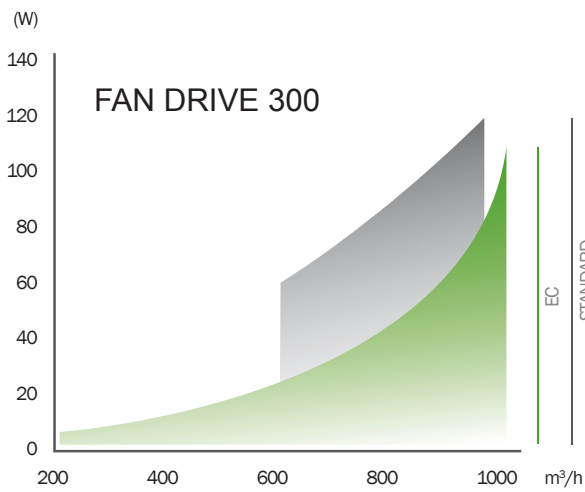
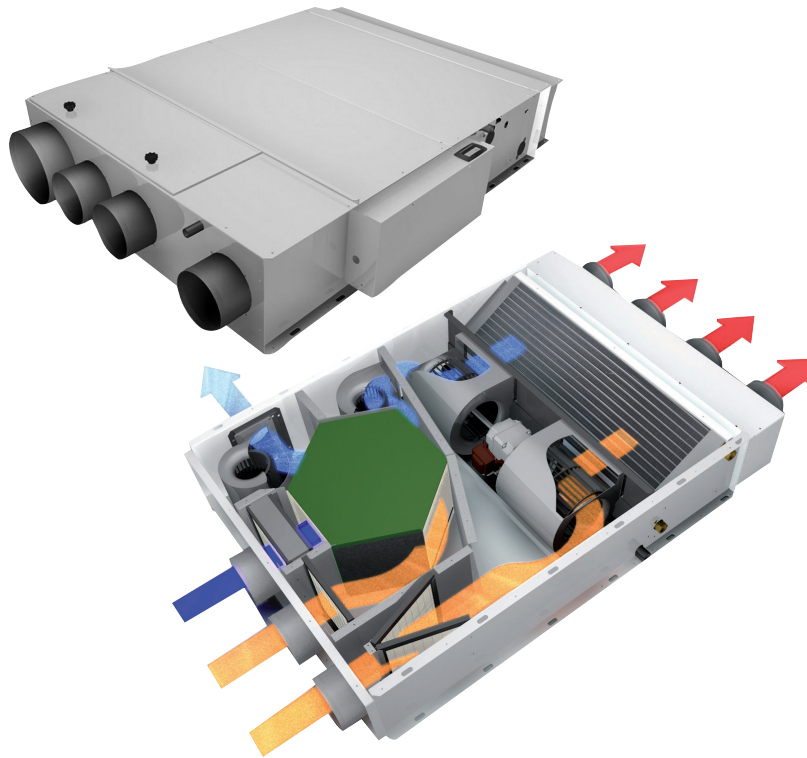


# FAN DRIVE

Air conditioning system with fan coil integrated recovery



The graphs represent the comparison between absorptions with standard motor and brushless EC motor with the same air flow

Model	Air flow m³/h	Code	€
<b>FAN DRIVE 300 in lamiera zincata</b>	<b>120</b>	<b>75800701</b>	<b>4.640,00</b>
<b>FAN DRIVE 700 in lamiera zincata</b>	<b>150</b>	<b>75800702</b>	<b>5.790,00</b>
<b>FAN DRIVE 300 in lamiera verniciata RAL 9010</b>	<b>120</b>	<b>75810701</b>	<b>5.330,00</b>
<b>FAN DRIVE 700 in lamiera verniciata RAL 9010</b>	<b>150</b>	<b>75820702</b>	<b>6.660,00</b>

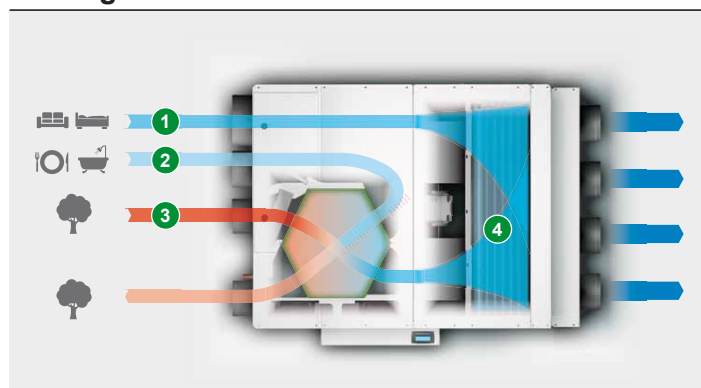
# FAN DRIVE

Air conditioning system with fan coil integrated recovery

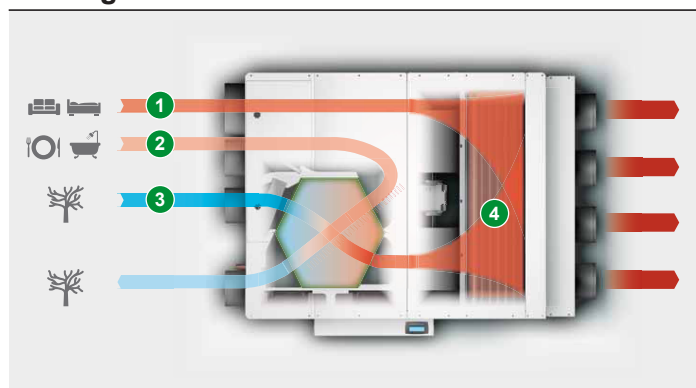
## Accessories FAN DRIVE

		Code	€
Fourth rank additional battery	mod. 300	75800710	78,00
	mod. 700	75800711	120,00
Regulation kit complete with: electronic regulator, transformer, remote keyboard control sensors		75800720	1.740,00
Kit control unit + probes air quality wall		75800730	770,00
Kit control unit + probes air quality duct		75800740	850,00
Box for keyboard user interface		75800750	46,00
Plenum for circular tubes output	mod. 300	75800760	210,00
	mod. 700	75800761	230,00
Plenum for circular tubes output	mod. 300	75800760 VE	300,00
	mod. 700	75800761 VE	350,00
Condensate collecting tray		75800780	18,00
Kit 3-way valve on-off with 4-row battery	mod. 300	75800770	190,00
	mod. 700	75800771	210,00
Kit 3-way valve on-off without 4-row battery	mod. 300	75800772	240,00
	mod. 700	75800773	270,00

## Heating mode



## Cooling Mode



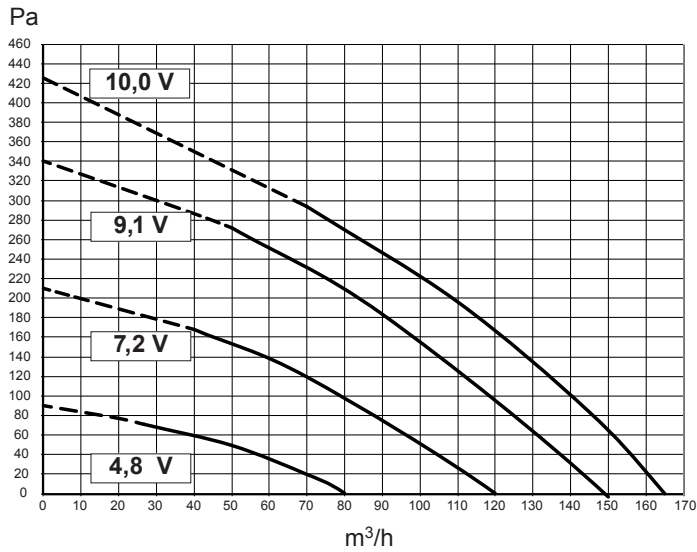
- 1 Input recirculation air:** air is collected from the locals less predisposed to generate stale air as living and / or bedrooms, after appropriate filtration and treated.
- 2 Input stale air:** stale air, usually taken from the kitchens and bathrooms, before being ejected is allowed to flow through the plate heat exchanger in order to recover the 92% of the heat that would otherwise unnecessarily dissipated outside.
- 3 Inlet external air COOLING:** cold air drawn from the outside and used for the renewal is entered into and, after appropriate filtration in order to remove contaminants, it is conveyed through the recuperator assimilating up to 95% of the thermal energy transferred from exhaust output, and flows towards the part fitted to the treatment.
- 3 Inlet external air HEATING:** the warm, moist air drawn from the outside and used for the renewal is entered into and, after appropriate filtration in order to remove contaminants, it is conveyed through the recuperator assimilating up to 92% of the thermal energy transferred from exhaust output, and flows towards the part fitted to the treatment.
- 4 Treatment:** the mix of air thus obtained, composed partly of recirculated air and partly by fresh air pre-treated, is now cooled and dehumidified by the area for treatment based on the exact needs of comfort selected by the user, before be re-entered in the environments mediated the distribution network of ducts.

# FAN DRIVE

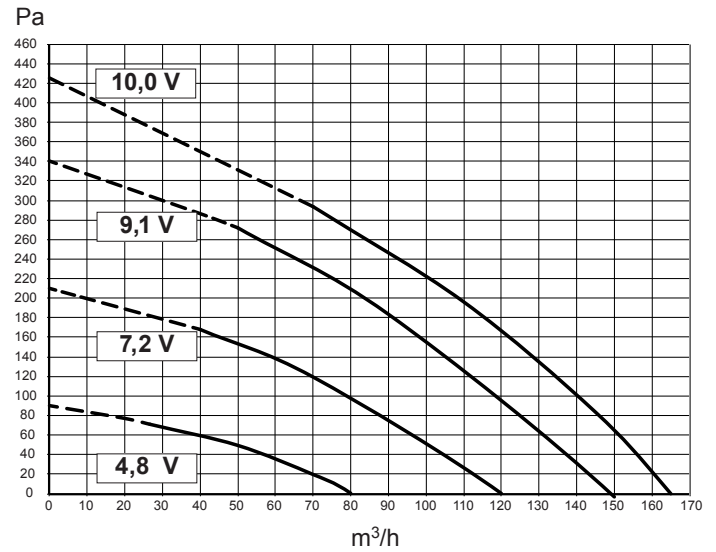
Air conditioning system with fan coil integrated recovery

## Aeraulic performances

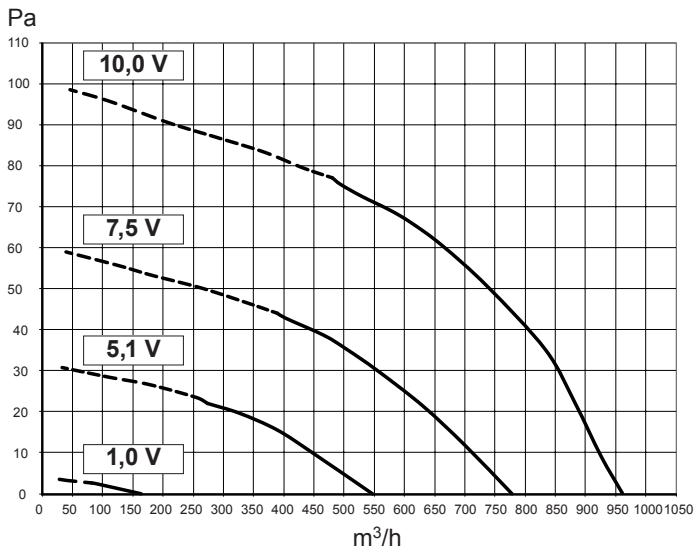
FAN DRIVE 300 recovery fans  
with EC Brushless motor



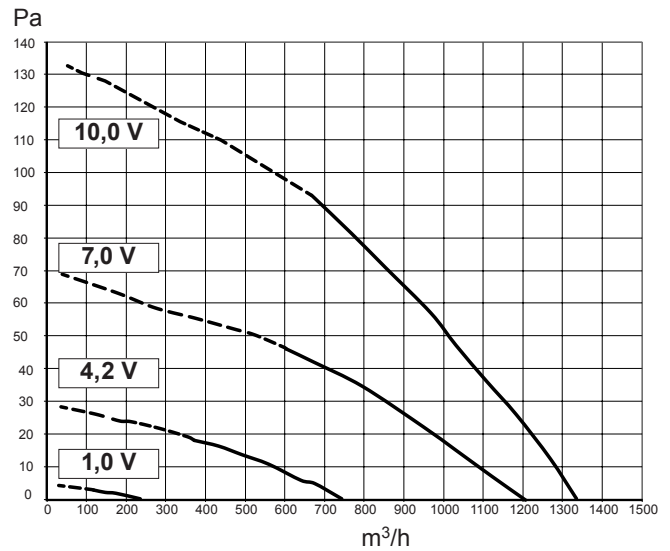
FAN DRIVE 700 recovery fans  
with EC Brushless motor



FAN DRIVE 300 air handling fans  
with EC Brushless motor



FAN DRIVE 700 air handling fans  
with EC Brushless motor



## Technical data table of sound power spectrum

ECM ENGINE		Frequency spectrum in octave band (Hz)							Sound power total dB(A)
Modello	Tensioni (Volt)	125	250	500	1000	2000	4000	8000	
FAN DRIVE 300	10,0	63,0	68,3	66,6	65,0	62,6	58,4	52,5	69,9
	7,5	57,6	62,2	61,2	59,4	55,7	50,5	43,4	63,8
	5,1	50,2	55,6	53,8	51,0	45,6	38,5	30,1	55,5
	1,0	29,5	31,3	33,2	12,7	7,8	16,0	22,4	31,5
FAN DRIVE 700	10,0	63,6	66,9	63,0	62,4	60,1	55,5	61,4	68,0
	7,0	61,5	66,0	62,3	61,2	59,1	5,31	48,5	66,1
	4,2	50,8	55,3	52,4	50,8	46,7	37,4	30,5	55,1
	1,0	30,1	32,1	24,9	14,4	16,7	19,8	23,0	28,8

# FAN DRIVE

Air conditioning system with fan coil integrated recovery

## Performance data table FAN DRIVE 300 with 3-row battery

Air flow m <sup>3</sup> /h		Summer operation*			Winter operation**	
Renewal	Unit	Total Power W	Sensible power W	Supply air temperature °C	Total Power W	Supply air temperature °C
80	200	1540	861	14,3	1693	44,3
	300	2480	1454	12,6	2675	45,9
	400	3150	1954	12,4	3824	47,9
	500	3645	2332	13,1	4571	46,7
	600	4283	2770	13,2	5407	46,4
	700	4672	3114	13,7	6091	45,5
120	200	1663	875	14,3	1735	44,2
	300	2618	1471	12,6	2719	45,8
	400	3323	1973	12,4	3871	47,9
	500	3838	2349	13,1	4616	46,7
	600	4408	2784	13,2	5452	46,4
	700	4806	3127	13,7	6134	45,5
150	200	1758	889	14,3	1774	44,1
	300	2704	1485	12,6	2760	45,8
	400	3423	1986	12,4	3915	47,9
	500	3952	2363	13,1	4660	46,7
	600	4538	2799	13,2	5494	46,3
	700	4941	3140	13,7	6175	45,4

\* Water temperature 7/12 °C - air 33 °C / u.r. 50%      \*\*Water temperature 50/45 °C - air -5 °C / u.r. 70%

## Performance data table FAN DRIVE 700 with 3-row battery

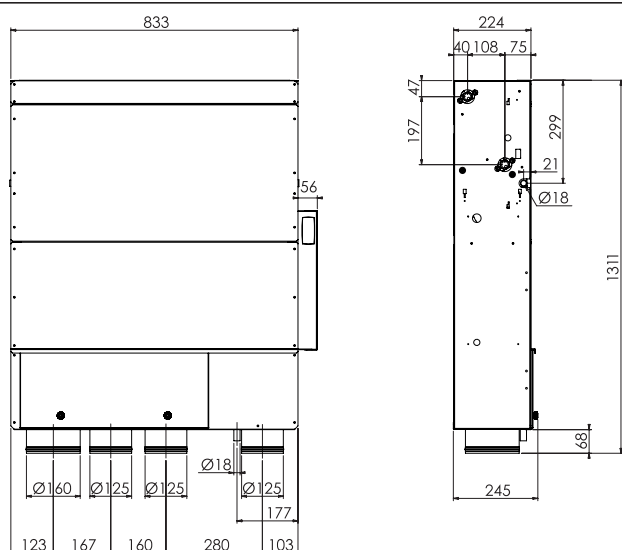
Air flow m <sup>3</sup> /h		Summer operation*			Winter operation**	
Rinnovo	Unità	Total Power W	Sensible power W	Supply air temperature °C	Total Power W	Supply air temperature °C
80	200	1670	968	12,7	1928	47,8
	400	2923	1844	13,3	3515	45,6
	600	4105	2692	13,6	4882	43,8
	800	5167	3516	13,8	6394	43,4
	1000	6107	4269	14,2	7809	42,9
	1100	6392	4601	14,5	8406	42,4
120	200	1936	1047	11,7	1974	47,8
	400	3085	1864	13,2	3558	45,6
	600	4224	2707	13,6	4922	43,8
	800	5316	3533	13,8	6435	43,4
	1000	6140	4282	14,2	7847	42,9
	1100	6566	4615	14,5	8444	42,4
150	200	2047	1065	11,7	2019	47,7
	400	3179	1877	13,2	3599	45,5
	600	4349	2724	13,6	4960	43,7
	800	5344	3544	13,9	6473	43,4
	1000	6303	4296	14,2	7882	42,9
	1100	6741	4629	14,5	8482	42,4

\* Water temperature 7/12 °C - air 33 °C / u.r. 50%      \*\*Water temperature 50/45 °C - air -5 °C / u.r. 70%

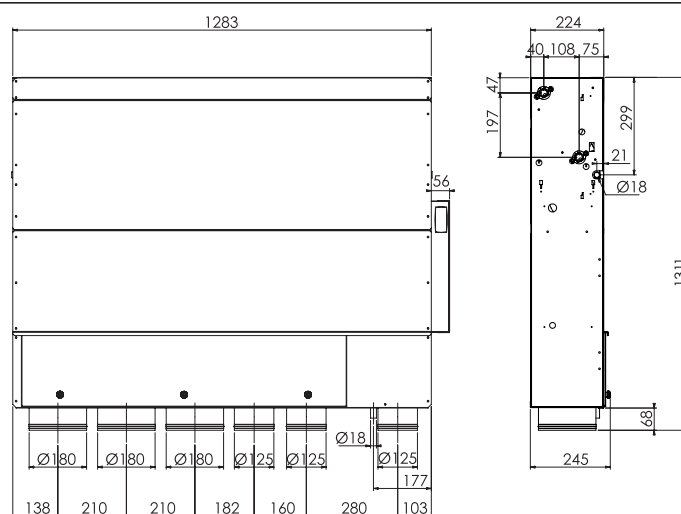
# FAN DRIVE

Air conditioning system with fan coil integrated recovery

## Dimensions FAN DRIVE 300



## Dimensions FAN DRIVE 700



## Technical data table FAN DRIVE

Model	U.M.	FAN DRIVE 300	FAN DRIVE 700
Nominal air flow	m <sup>3</sup> /h	300	700
Static pressure outlet	Pa	50	
<b>WINTER HEAT RECOVERY <sup>(1)</sup></b>			
Air flow	m <sup>3</sup> /h	120	150
Recovery efficiency	%	91,8	90,0
Thermal power recovery	W	930	1141
Leaving air temperature	°C	17,9	17,5
<b>SUMMER HEAT RECOVERY <sup>(2)</sup></b>			
Air flow	m <sup>3</sup> /h	120	150
Recovery efficiency	%	88,1	85,7
Thermal power recovery	W	210	255
Leaving air temperature	°C	27,7	27,9
Humidity	%	68	67
<b>WATER BATTERY</b>			
Ranks	n.	3	
Heating capacity <sup>(3)</sup>	W	2240	4608
Leaving air temperature	°C	41,2	38,9
Pressure drop on the water side	kPa	8,4	10,5
Nominal water flow	l/h	390	803
Cooling capacity <sup>(4)</sup>	W	2618	4780
Sensible cooling capacity	W	1471	3083
Leaving air temperature	°C	12,6	14,0
Pressure drop on the water side	kPa	13,0	13,2
Nominal water flow	l/h	449	820
<b>ELECTRICAL ABSORPTION</b>			
Supply		230V/1/50Hz	
Max power consumption	W	260	340
Max current consumption	A	1,15	1,48

(1) Air renewal temperature - 5 °C; Exhaust air temperature 20 °C

(2) Air renewal temperature 33 °C R.H. 50%; Exhaust air temperature 27 °C R.H. 50%

(3) Outside air - 5 °C; Water 45 - 40 °C

(4) Outside air 33 °C u.r. 50%; Water 7 - 12 °C