

TECHNICAL DATA



FAR-EC





FAR-EC

Ventilation unit with casing equipped with backward blade radial electronic ventilators (ErP-2015) that ensure the high pressure values available for channeling and a simple adjustment of the rotation speed of the ventilator (signal 0-10V). FAR-EC is available in 10 sizes from 400 to 16.000 m³/h.

EQUIPPED

Use of EC ventilators enables management of FAR-EC in various ways:

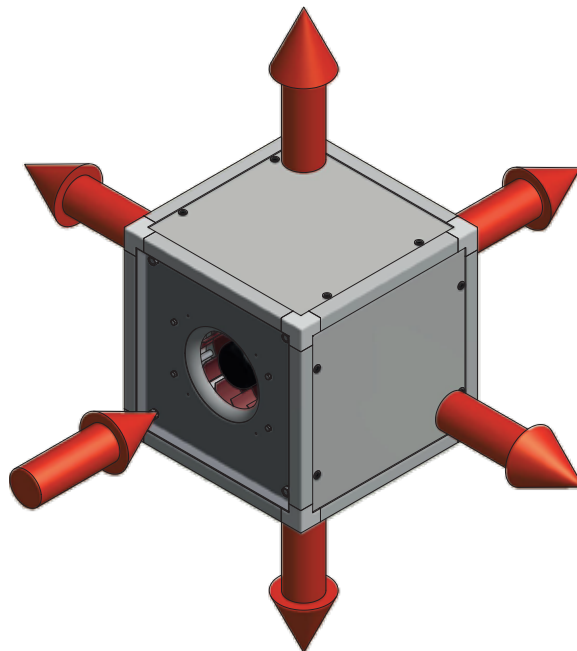
- Connection of the electrical power supply only ensures FAR-EC works at the maximum available flow rate;
- Use of a 0-10V signal coming from an external system or a simple potentiometer regular (the CVR accessory for example) allows rotation adjustment of the ventilator and therefore air flow rate;
- The use of the COP KIT or CAV KIT enables management of FAR-EC respectively in constant pressure or constant flow rate mode.
- The use of advanced control allows more adjustments

The range of accessories available comes complete with: a feet kit for installation on the floor, a protective roof and hood with bird-proof mesh for outdoor installation, a vibration-proof joint for a channelled, square section joint and a panel with a sleeve for connection to circular section channelling systems

STRUCTURE

FAR-EC is manufactured using a profiled extruded aluminium frame, 25 mm thick (from size 400 to 7600) and 50 mm thick (for size 10,000 and 16,000) sandwich panels, insulated in polyurethane foam. The panels are manufactured in Aluzinc[®], material that ensures high strength against corrosion and oxidation. The ventilator is connected on the suction side of the air to a specific nozzle to optimise ventilator performance. The position on the supply side of the air is easily configurable: simply remove it and subsequently re-position a panel fixed to the frame with screws.

N.B. - the fan is supplied as standard with 5 of the 6 panels; For the 6th panel you can choose between the standard panel (to be drilled for your care in the section and size required), the panel with sleeve for circular duct or the anti-vibration joint

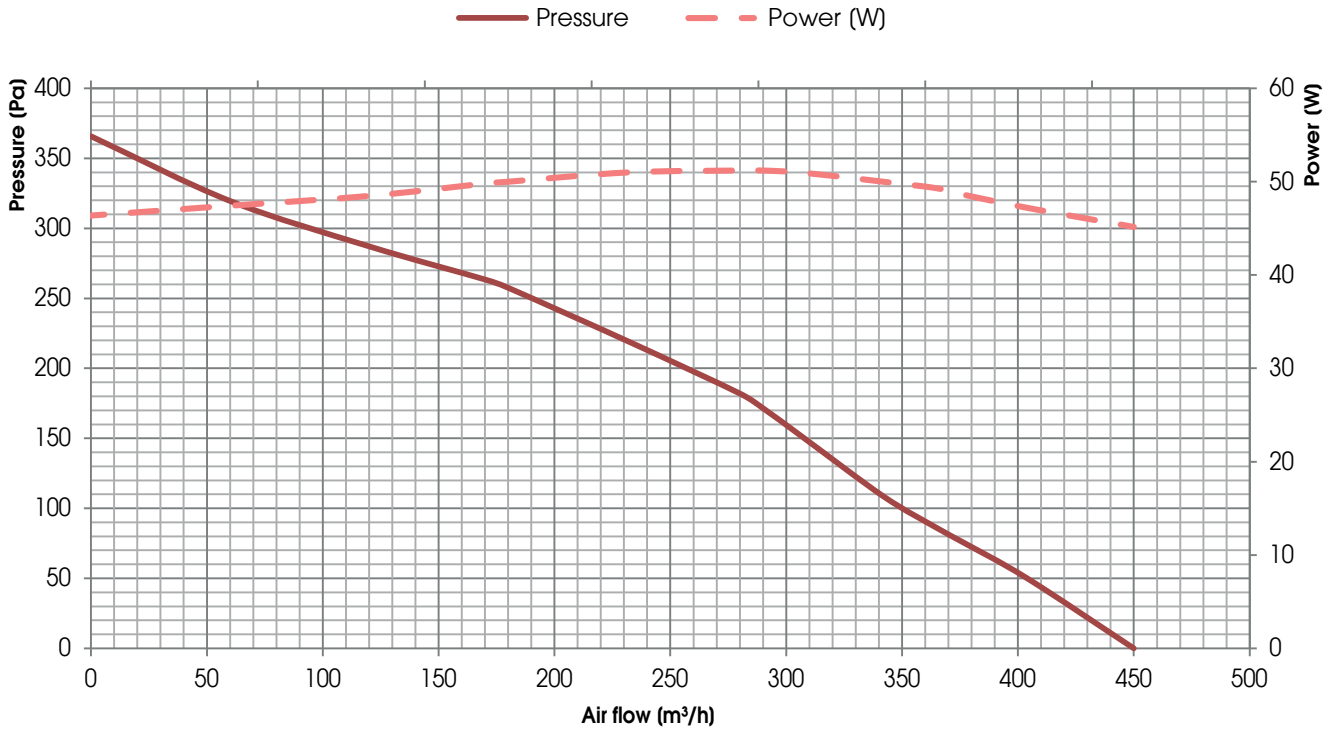




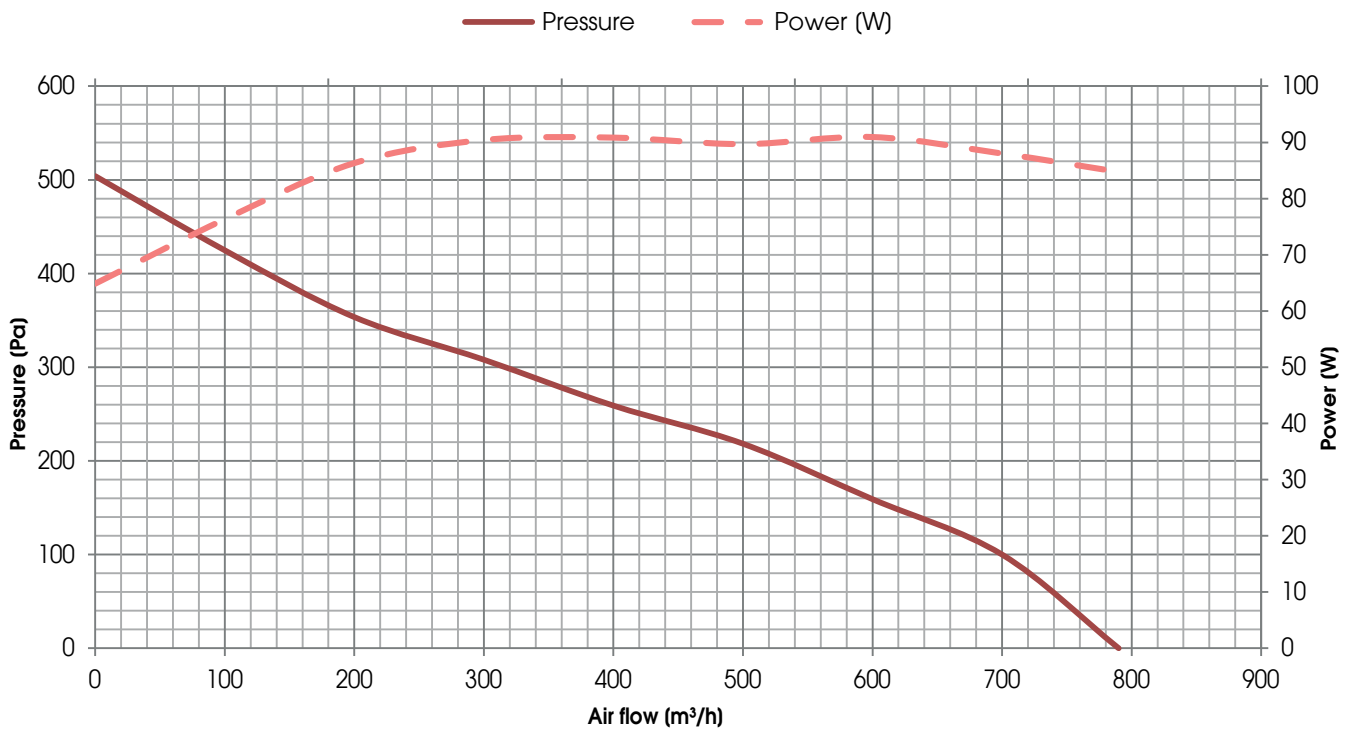
PERFORMANCES

The unit must be ducted properly: UTEK authorizes the use only according to its performance diagram shown into this catalogue

FAR EC 400



FAR EC 700

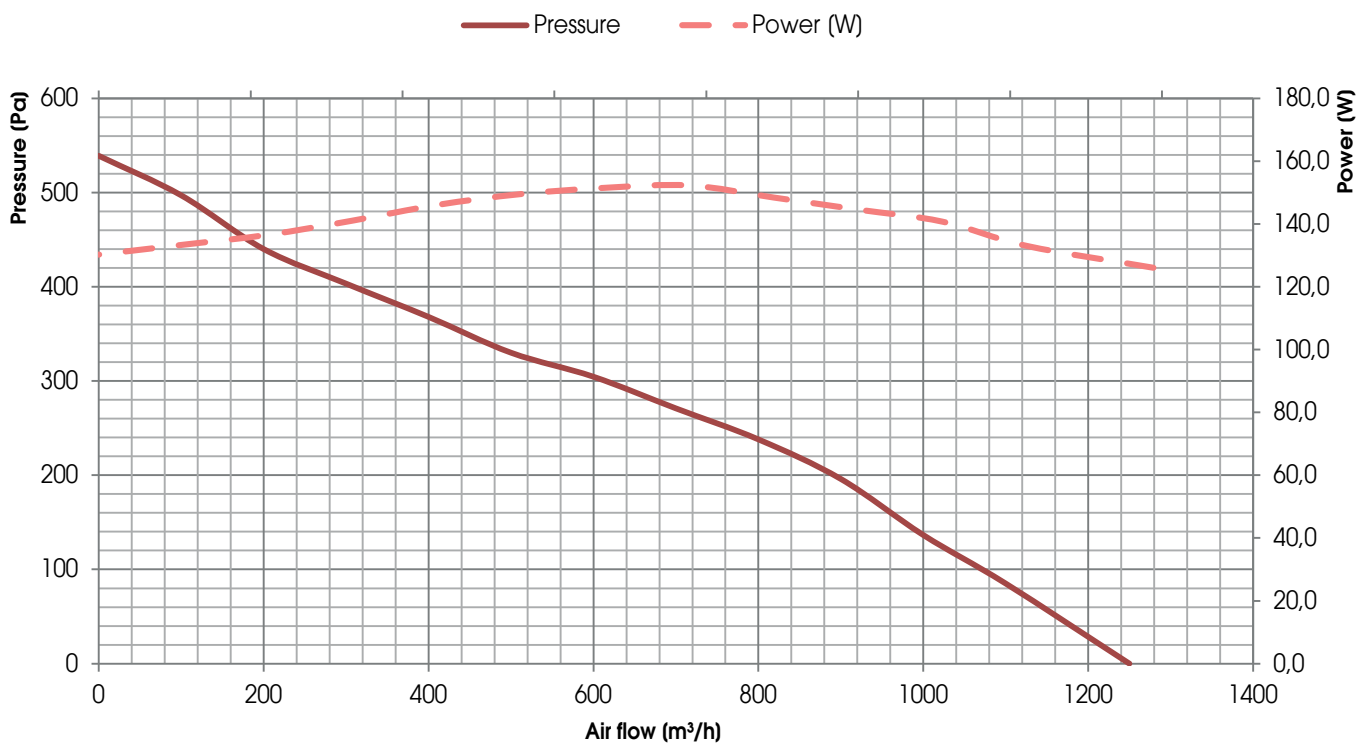




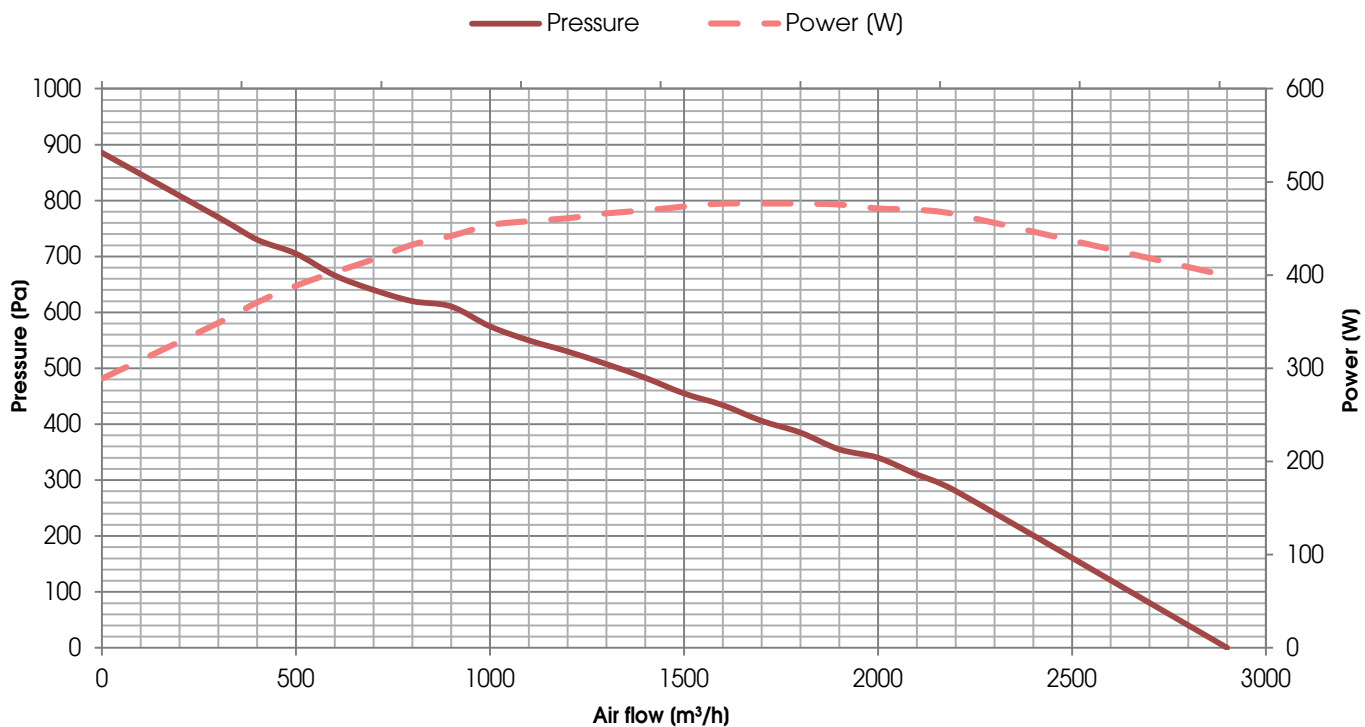
PERFORMANCES

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FAR EC 1100



FAR EC 2600

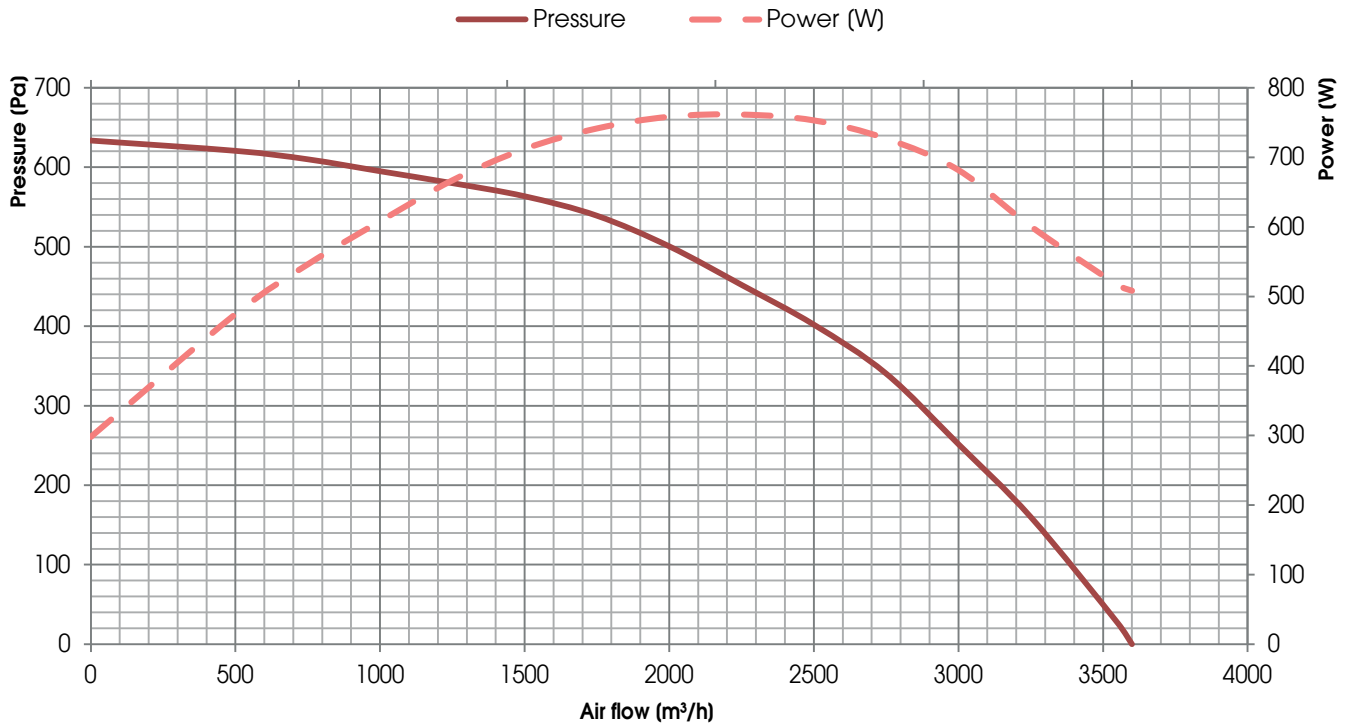




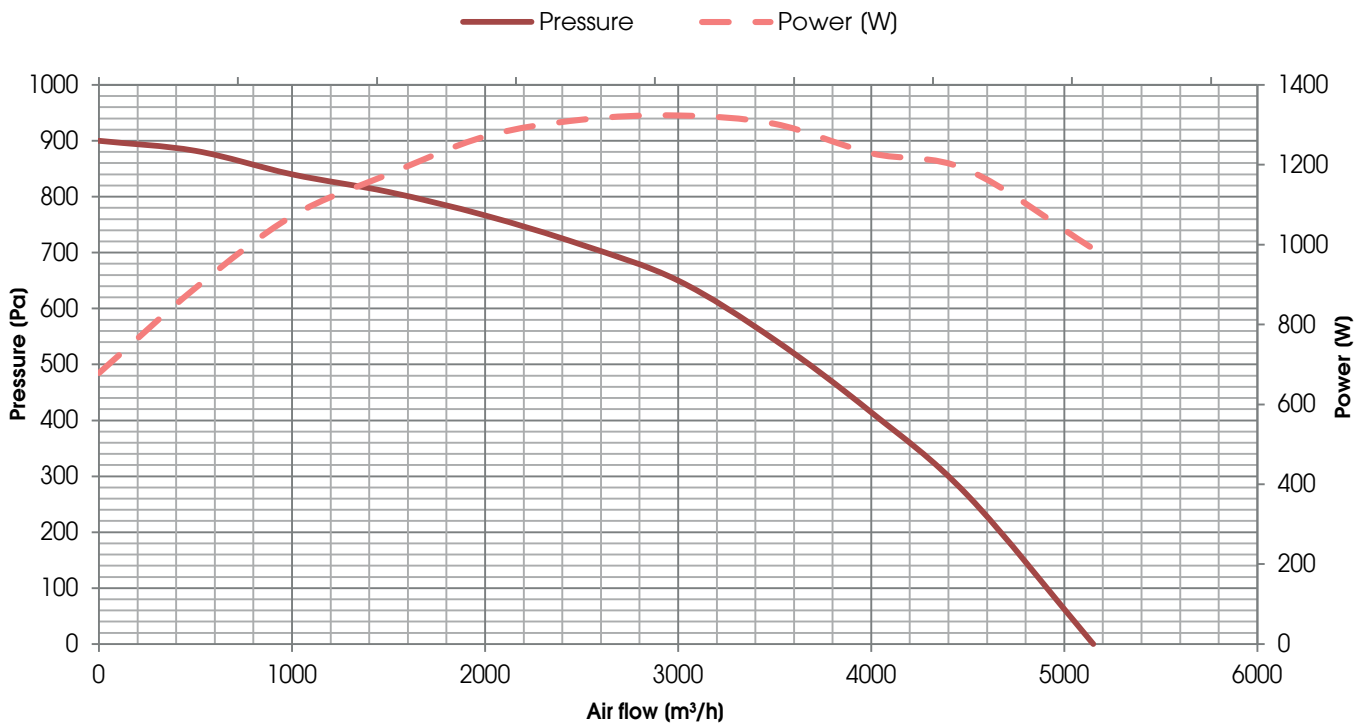
PERFORMANCES

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FAR EC 3400



FAR EC 4800

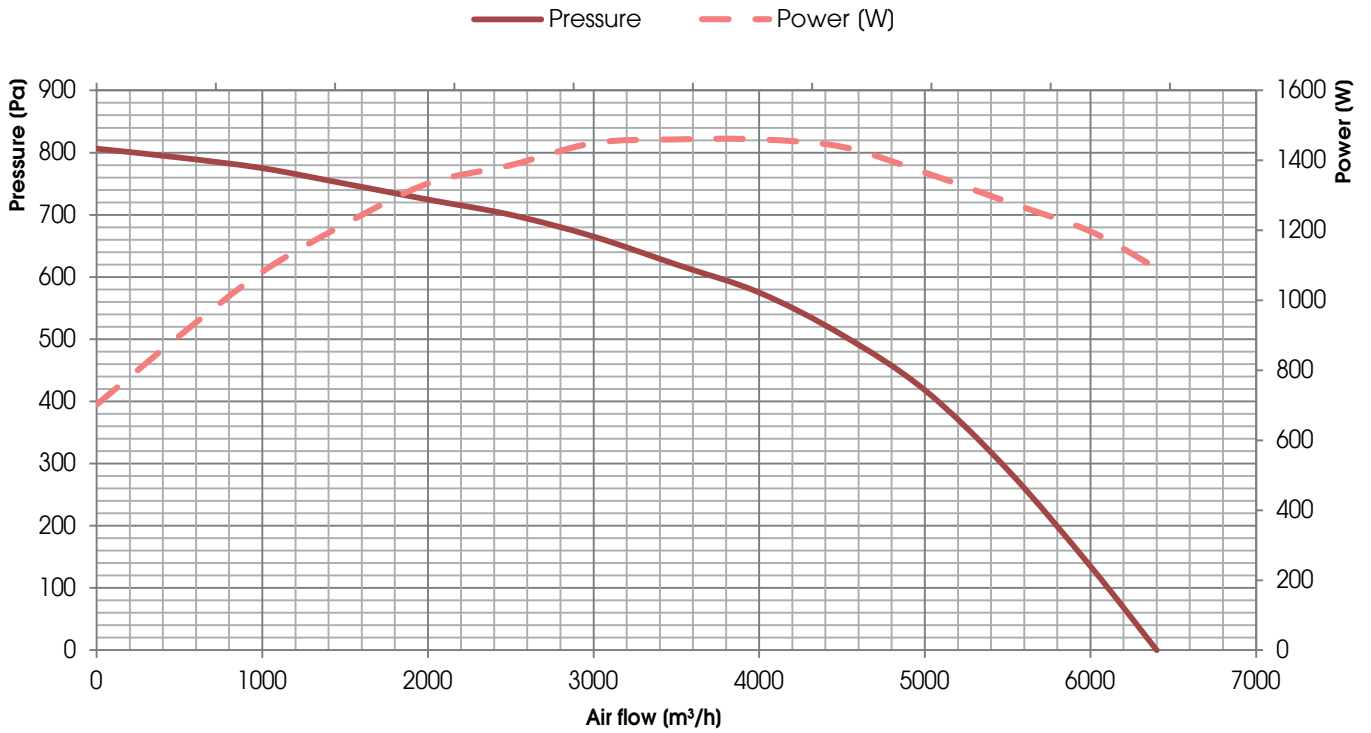




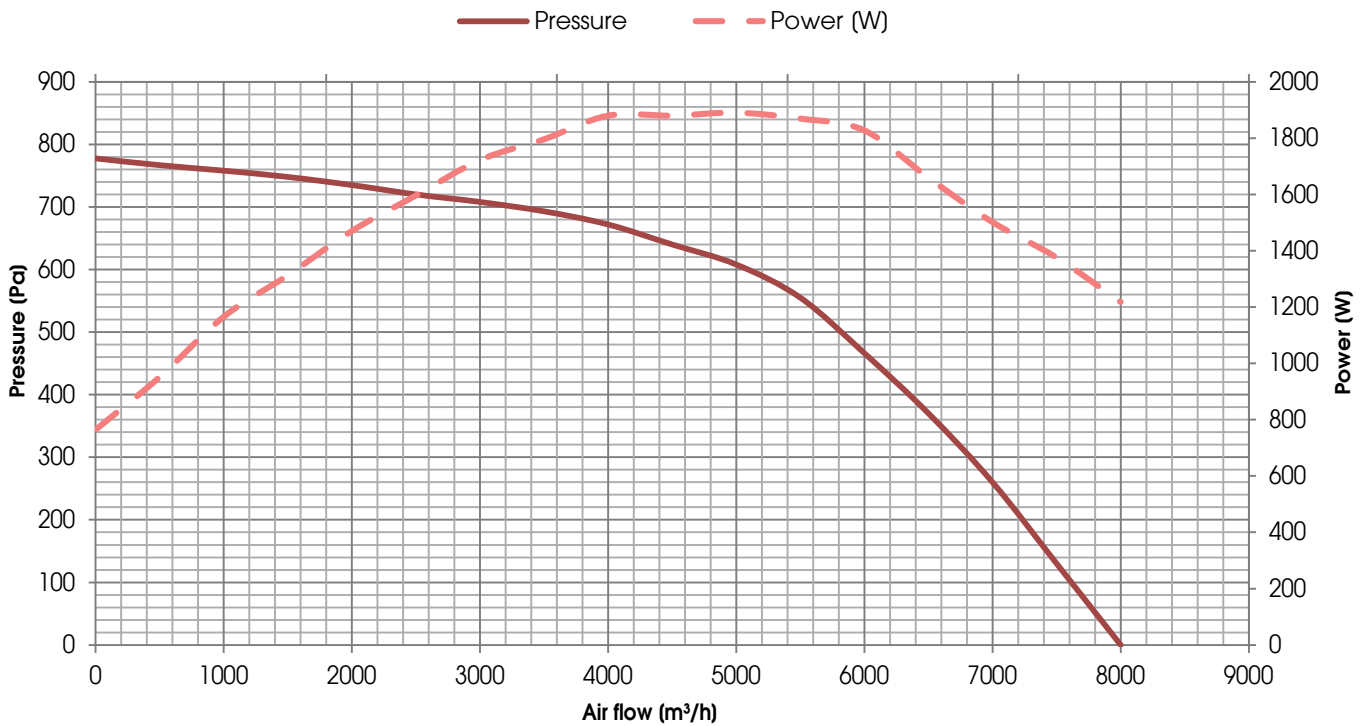
PERFORMANCES

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FAR EC 6100



FAR EC 7600

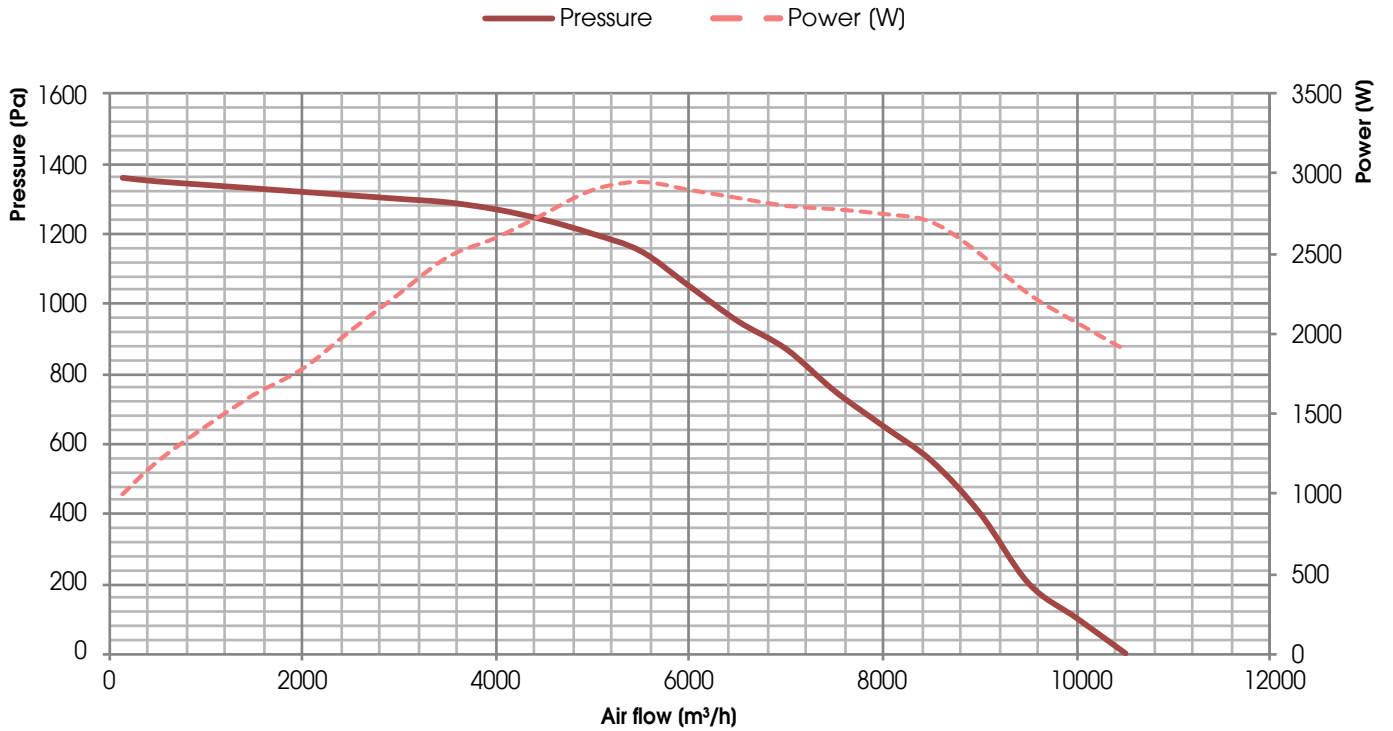




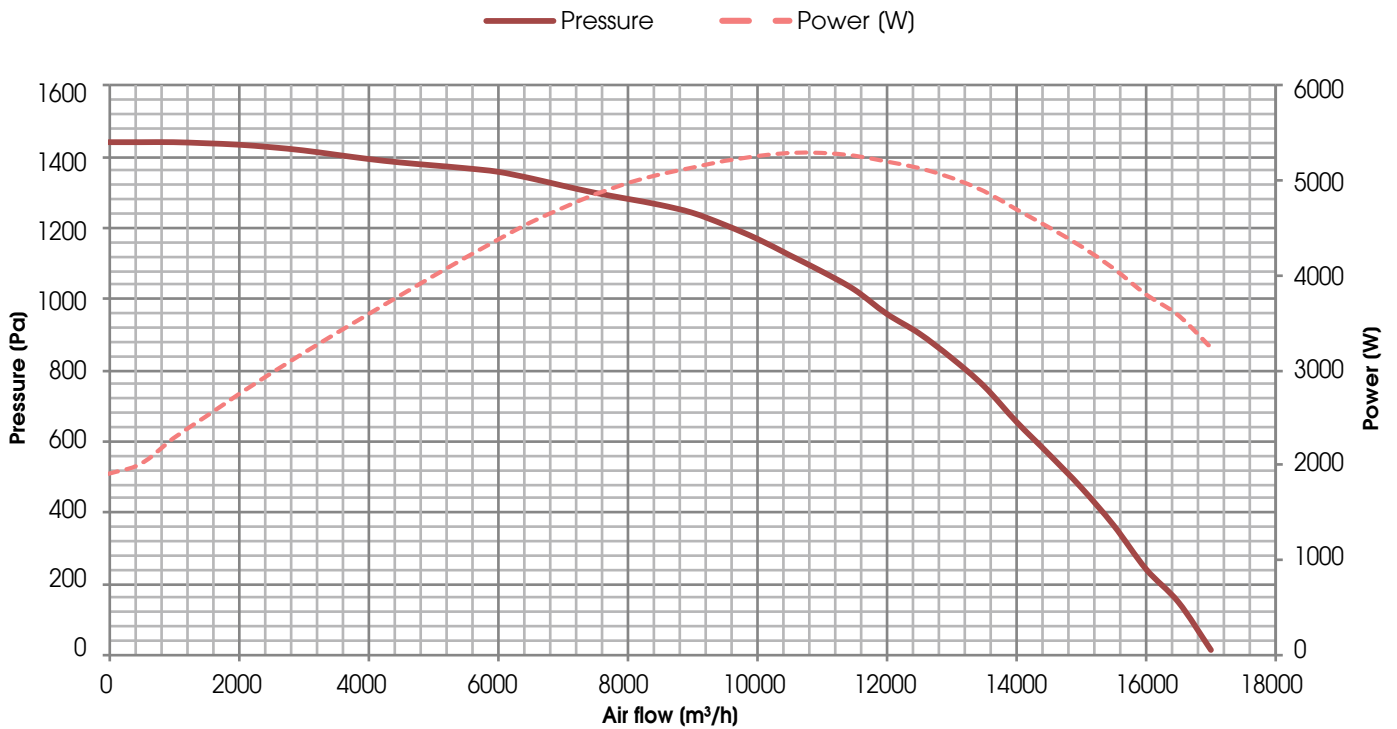
PERFORMANCES

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FAR EC 10000



FAR EC 16000





NOISE LEVEL

Lw Sound power level taken in accordance to UNI EN ISO 3747 - CLASS 3

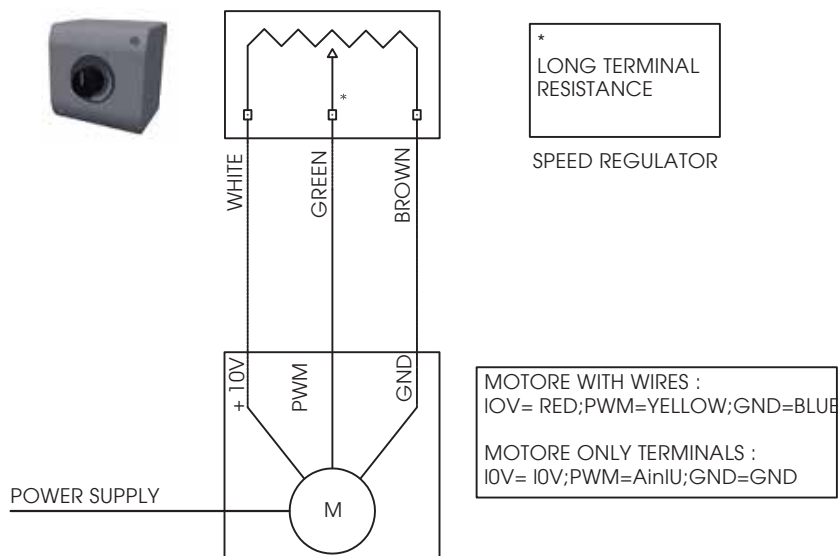
		SUCTION								
Fans		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	L _w dB(A)
FAR-EC	400 Lw Vmax	65,8	57,7	61,2	61,5	59,4	59,6	58,4	56,8	66,2
FAR-EC	700 Lw Vmax	61,4	61,5	66,3	68,0	66,9	68,2	62,5	64,4	73,3
FAR-EC	1100 Lw Vmax	61,4	60,5	67,3	73,0	71,9	69,2	67,5	68,4	76,9
FAR-EC	2600 Lw Vmax	71,8	72,0	78,0	81,5	77,5	73,6	75,3	80,1	84,5
FAR-EC	3400 Lw Vmax	69,3	67,4	77,6	80,1	75,0	72,8	75,1	74,2	82,4
FAR-EC	4800 Lw Vmax	74,9	69,7	82,8	83,7	79,5	78,9	78,4	85,4	88,4
FAR-EC	6100 Lw Vmax	72,9	71,9	83,4	82,9	77,0	77,5	79,8	80,1	86,5
FAR-EC	7600 Lw Vmax	71,7	74,0	83,1	83,7	77,5	81,4	84,5	83,5	89,6
FAR-EC	10000 Lw Vmax	76,0	84,6	88,8	86,6	88,5	87,5	84,0	93,1	95,6
FAR-EC	16000 Lw Vmax	78,0	82,0	93,0	88,0	84,0	85,0	84,0	87,0	93,0

		SUPPLY								
Fans		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	L _w dB(A)
FAR-EC	400 Lw Vmax	68,8	60,7	64,2	64,5	62,4	62,6	61,4	59,8	69,2
FAR-EC	700 Lw Vmax	64,4	64,5	69,3	71,0	69,9	71,2	65,5	67,4	76,3
FAR-EC	1100 Lw Vmax	64,4	63,5	70,3	76,0	74,9	72,2	70,5	71,4	79,9
FAR-EC	2600 Lw Vmax	74,8	75,0	81,0	84,5	80,5	76,6	78,3	83,1	87,5
FAR-EC	3400 Lw Vmax	72,9	68,7	77,9	82,0	83,0	82,6	80,4	77,1	88,5
FAR-EC	4800 Lw Vmax	79,4	72,3	86,0	86,9	88,8	87,8	83,6	86,7	94,0
FAR-EC	6100 Lw Vmax	75,1	74,0	86,0	86,6	88,0	85,8	84,9	81,1	94,0
FAR-EC	7600 Lw Vmax	75,0	76,4	86,3	87,9	88,4	86,7	90,3	83,0	95,0
FAR-EC	10000 Lw Vmax	81,4	86,4	91,2	93,6	94,0	91,7	89,3	90,9	98,9
FAR-EC	16000 Lw Vmax	84,0	86,0	95,0	95,0	92,0	91,0	91,0	88,0	99,0

ELECTRICAL DATA

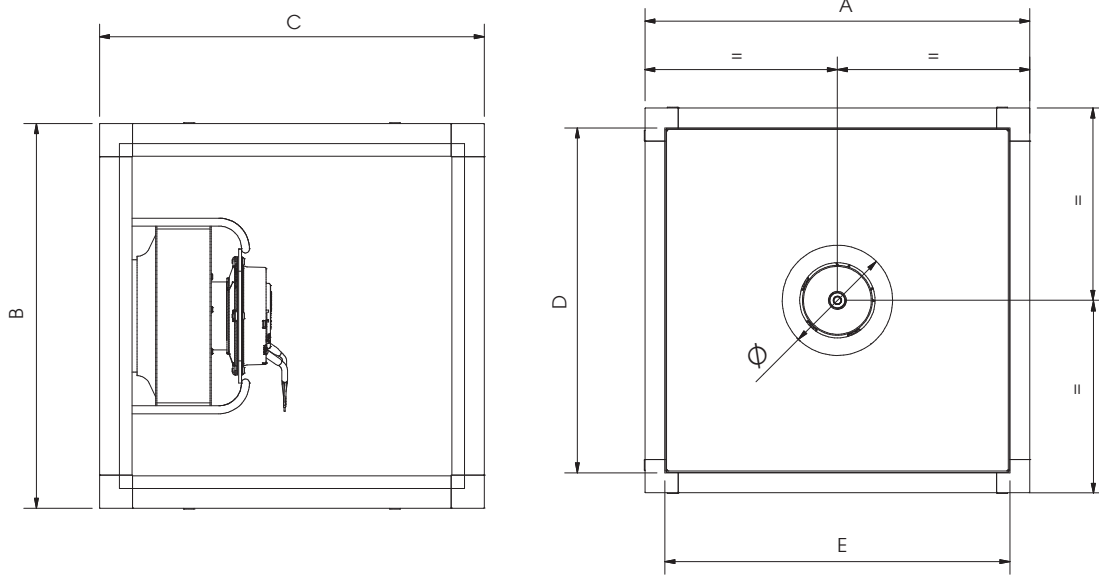
UNIT	FAN			
	Power	Supply	Current max.	Insulation class
FAR-EC 400 DP	43 W	230 V, 50/60 Hz 1F	0,32 A	IP 44 classe I
FAR-EC 700 DP	85 W	230 V, 50/60 Hz 1F	0,75 A	IP 54 classe B
FAR-EC 1100 DP	145 W	230 V, 50/60 Hz 1F	1,2 A	IP 54 classe B
FAR-EC 2600 DP	448 W	230 V, 50/60 Hz 1F	2,8 A	IP 54 classe B
FAR-EC 3400DP	715 W	230 V, 50/60 Hz 1F	3,1 A	IP 54 classe B
FAR-EC 4800 DP	1270 W	230 V, 50/60 Hz 1F	5,6 A	IP 54 classe B
FAR-EC 6100DP	1400 W	230 V, 50/60 Hz 1F	6,0 A	IP 54 classe B
FAR-EC 7600 DP	1850 W	400 V, 50/60 Hz 3F	2,9 A	IP 54 classe B
FAR-EC 10000 DP	2900 W	400 V, 50/60 Hz 3F	4,8 A	IP 54 classe F
FAR-EC 16000 DP	5200 W	400 V, 50/60 Hz 3F	8,4 A	IP 54 classe F

CVR VARIABLE RESISTANCE SPEED REGULATOR



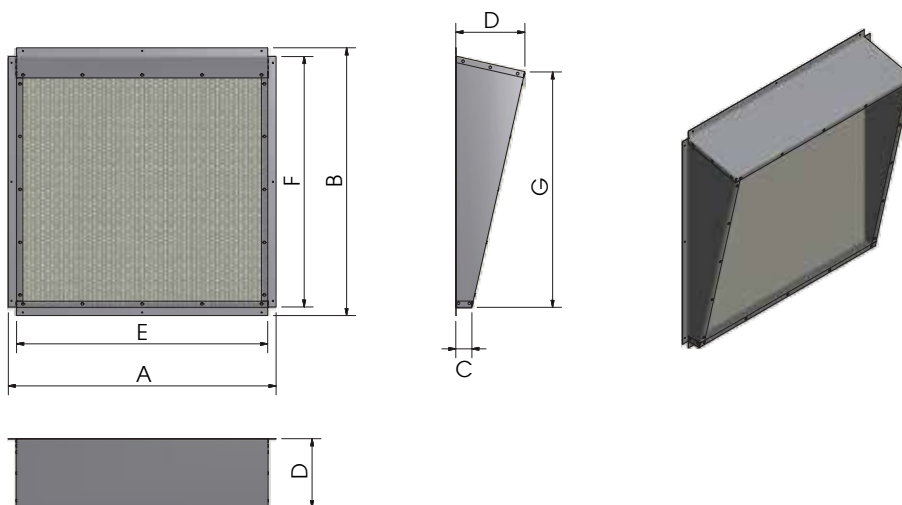


DIMENSIONS (mm) and WEIGHT (Kg)



UNIT	A	B	C	D	E	Ø	Weight (kg)
FAR-EC 400 DP	300	300	300	240	240	110	8,5
FAR-EC 700 DP	450	450	450	390	390	150	14
FAR-EC 1100 DP	450	450	450	390	390	200	15
FAR-EC 2600 DP	580	580	580	520	520	210	28
FAR-EC 3400 DP	580	580	580	520	520	240	31
FAR-EC 4800 DP	860	860	860	800	800	265	62
FAR-EC 6100 DP	860	860	860	800	800	300	65
FAR-EC 7600 DP	860	860	860	800	800	340	68
FAR-EC 10000 DP	1500	1075	998	975	1400	365	135
FAR-EC 16000 DP	1500	1075	998	975	1400	455	165

PROTECTION COWL FOR FAR-EC



UNIT	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
FAR-EC 400	295	295	50	100	240	240	220
FAR-EC 700 - 1100	445	445	50	130	390	390	360
FAR-EC 2600 - 3400	575	575	50	160	520	520	485
FAR-EC 4800 - 6100 - 7600	855	855	50	220	800	800	750
FAR-EC 10000 - 16000	1495	1070	50	265	1400	1015	960

CLA & UTEK reserves the right to at any time the necessary changes to improve products without prior notice .

Dear Customer

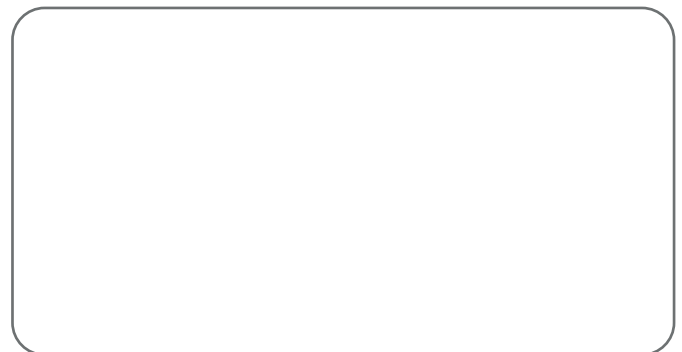
Thanks for your attention to the product UTEK , designed and manufactured to ensure the real values to the User: Quality, Safety and Savings on working.



Made in Italy

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DI GESTIONE QUALITÀ
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ISO 9001

**AZIENDA CON
SISTEMA DI GESTIONE
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DA DNV**
ISO 14001



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FAR-EC_2020_0_EN



AIR VENTILATION UNIT