

TECHNICAL DATA



FAN-T





FAN-T

A ventilation unit with casing equipped for forward blade centrifugal ventilators coupled with three-phase electric motors via belt/pulley transmission. FAN-T is available in 9 ventilator sizes: from 2,500 to 45,000 m³/h.

MODES OF OPERATION

The availability of the various electrical motor powers which can be combined with each ventilator and the appropriate selection of the pulley and belt dimensions enable configuration of FAN-T to work in the desired work point. To avoid vibration transmission to the air distribution system, the ventilator is connected to the supply side with a specific vibration-proof joint and the ventilator/electric motor is connected to the base of the FAN-T with vibration-proof joints. The use of AC three-phase electric motors enables management of FAN-T in various ways:

- Connection of the electrical power supply only ensures FAN-T works at the maximum available flow rate;
- Use of a regulator for phase cutoff (accessory RVT 6A or RVT 9A for electric power motors up to 4 kW) to change the rotation speed of the ventilator and therefore the air flow rate. Alternatively to the phase cutoff regulators, an inverter can be used.

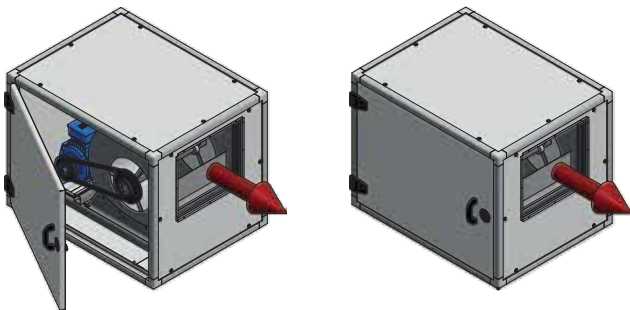
STRUCTURE

FAN-T was created with extruded aluminium profiles and is available both in the version with DOUBLE PANELS, sandwich panels, 25 mm thick, insulated with polyurethane foam, both in the version with a SIMPLE PANELS with insulation obtained by adhesive sheets polyethylene, 5 mm thick. The panels are manufactured in Aluzinc, material that ensures high strength against corrosion and oxidation.

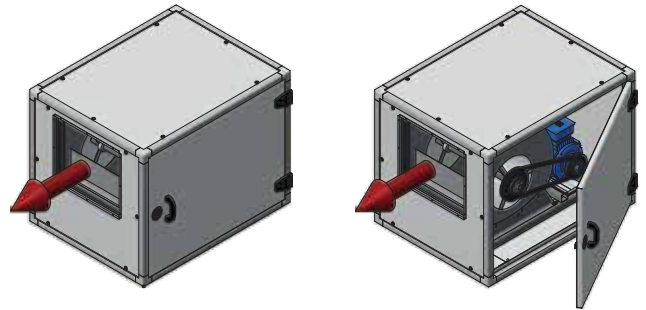
Specify when ordering:

- Operating point (flow and pressure)
- Position of the inspection side if different from the standard (see page 8)
- The MIRRORED configuration provides the inspection panel on the opposite side to the "STANDARD" version

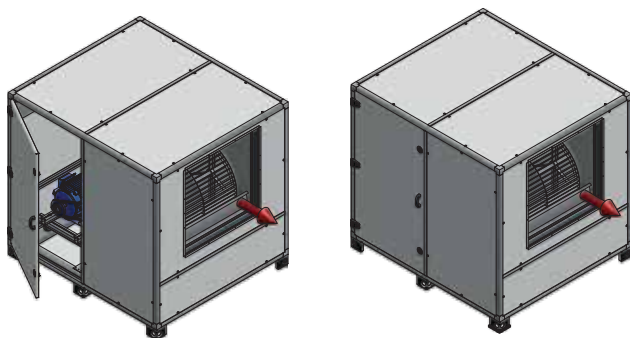
STANDARD CONFIGURATION FAN-T FROM 9/9 T 18/18



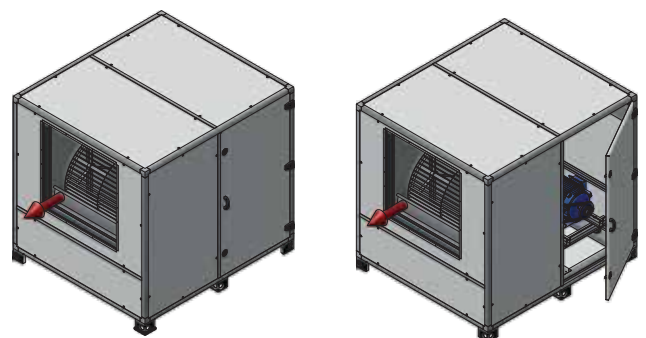
MIRRORED CONFIGURATION FAN-T FROM 9/9 T 18/18



STANDARD CONFIGURATION FAN-T FROM 500 TO 710



MIRRORED CONFIGURATION FAN-T FROM 500 TO 710

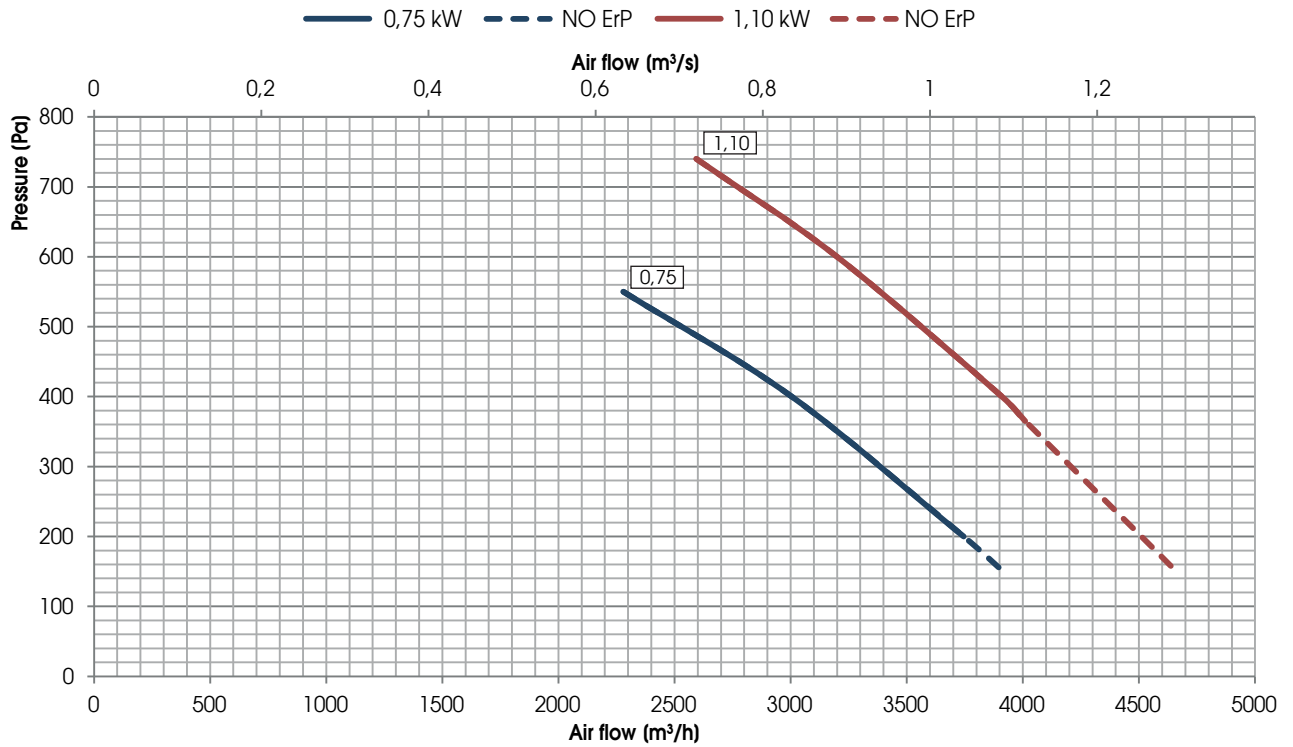




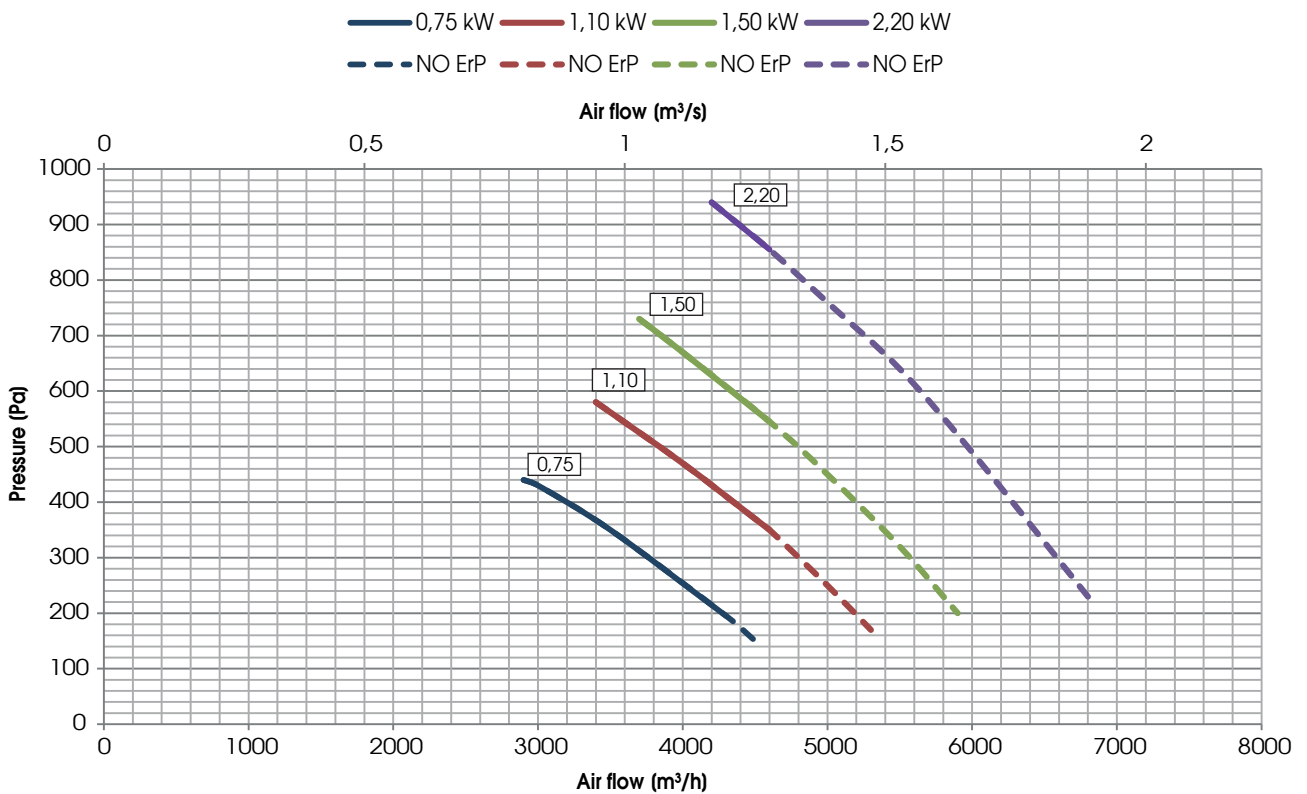
PERFORMANCES

Performance calculated with ducted outlet and free inlet. Contact the technical department for work points not represented on the graph

FANT 9/9



FANT 10/10

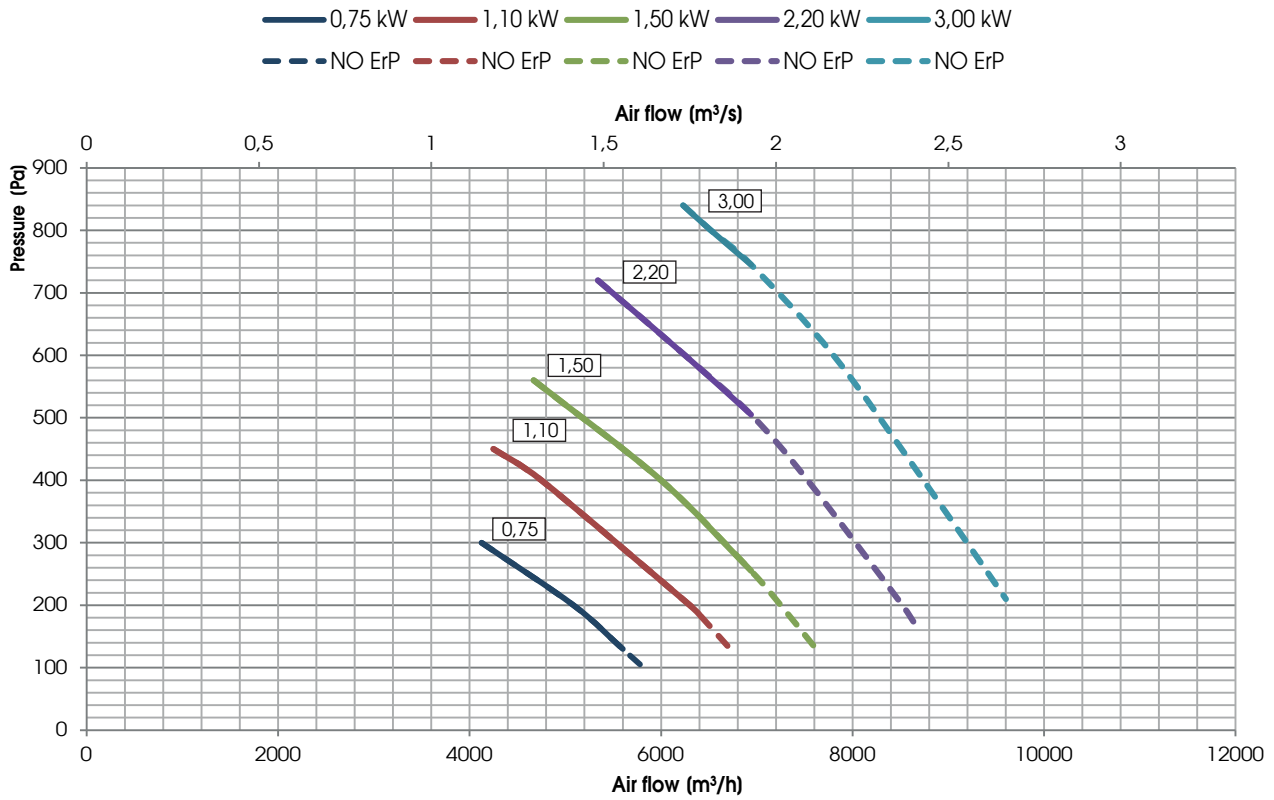




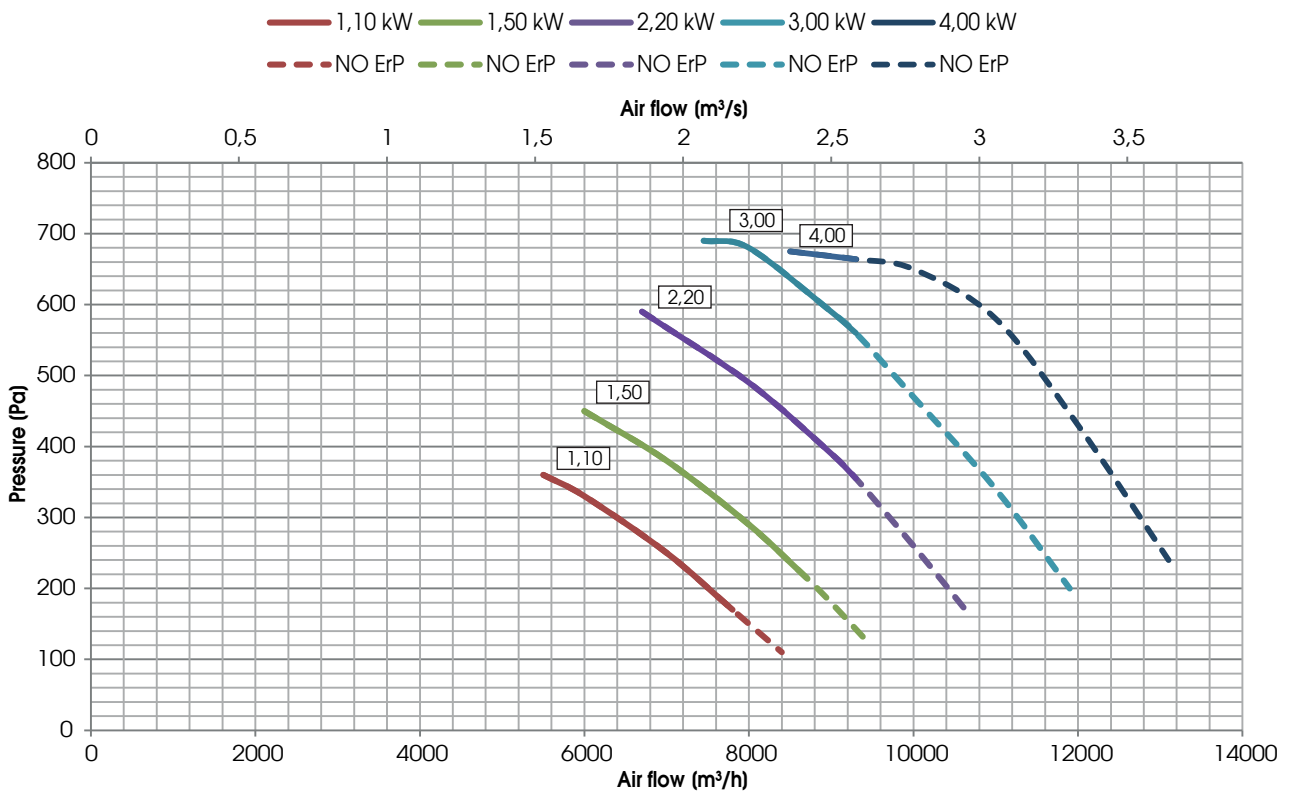
PERFORMANCES

Performance calculated with ducted outlet and free inlet. Contact the technical department for work points not represented on the graph

FAN-T 12/12



FAN-T 15/15

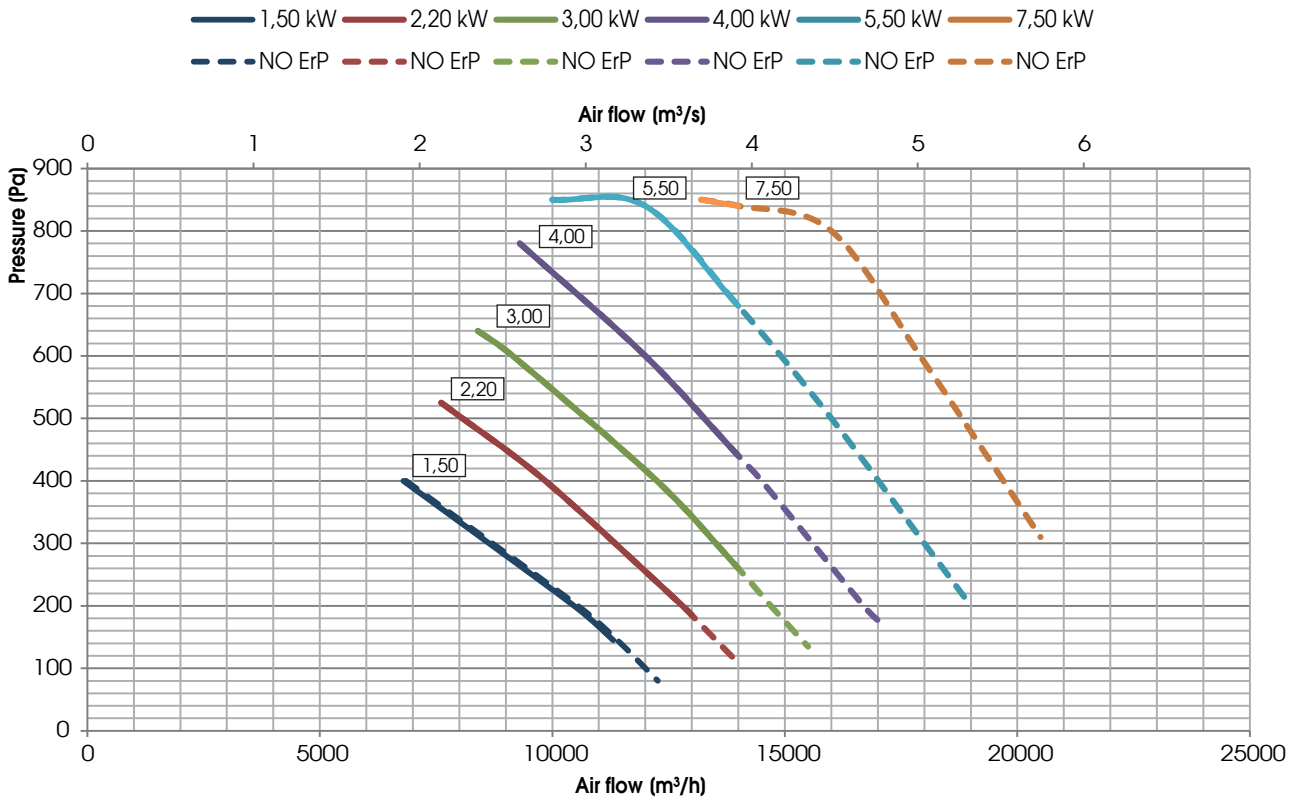




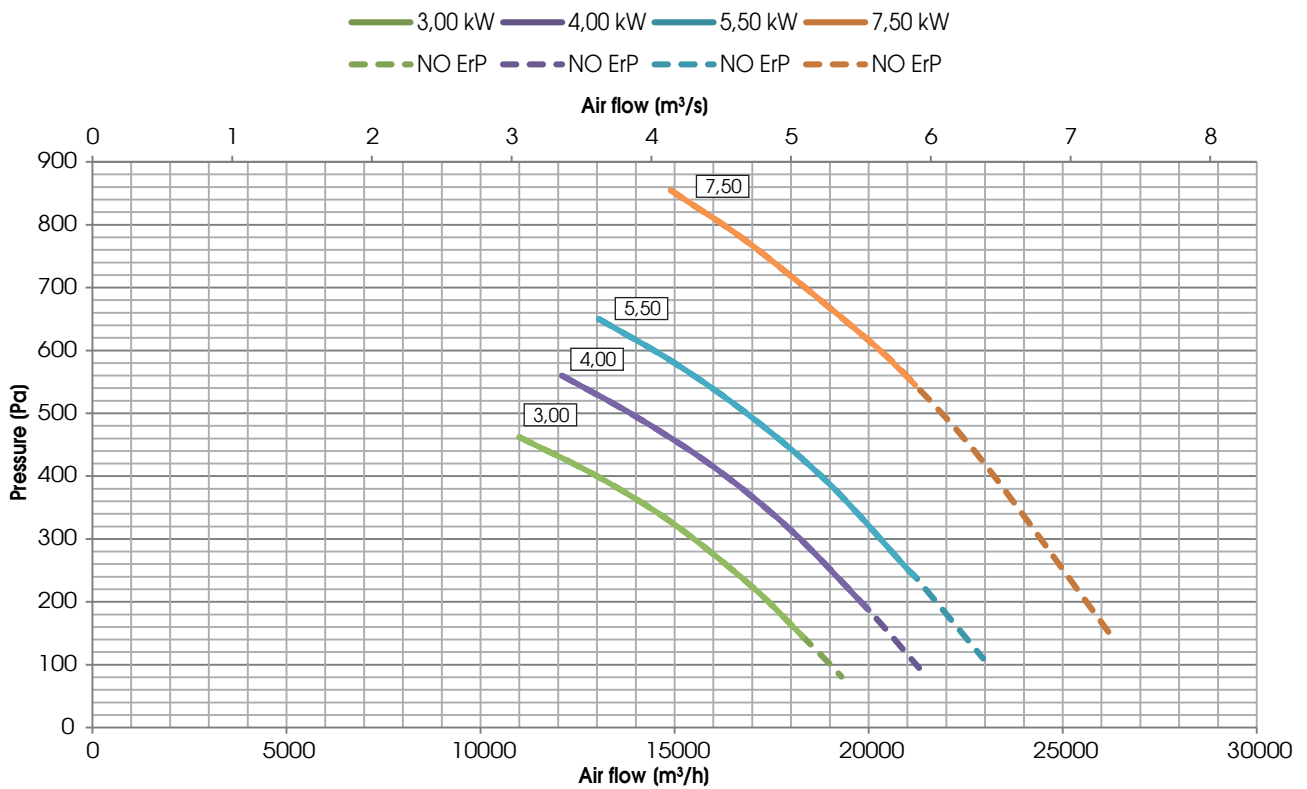
PERFORMANCES

Performance calculated with ducted outlet and free inlet. it Contact the technical department for work points not represented on the graph

FAN-T 18/18



FAN-T 500

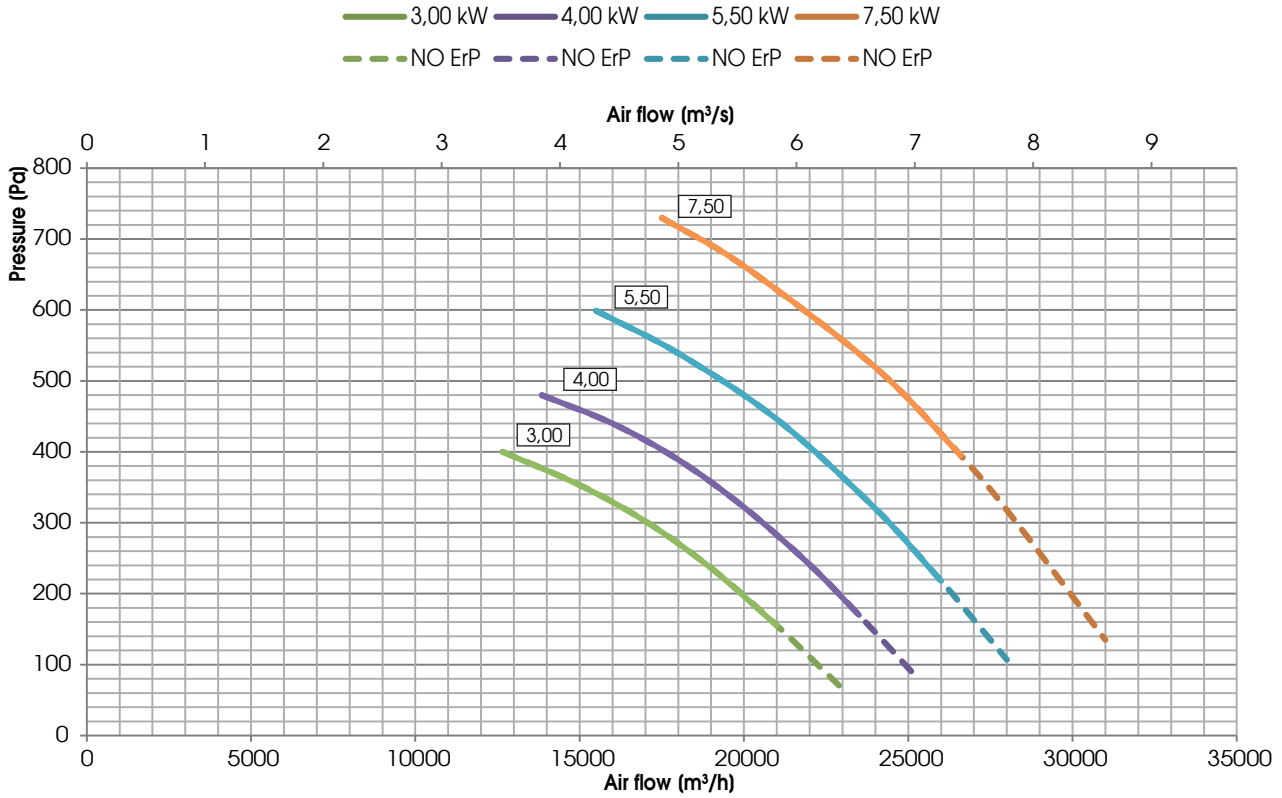




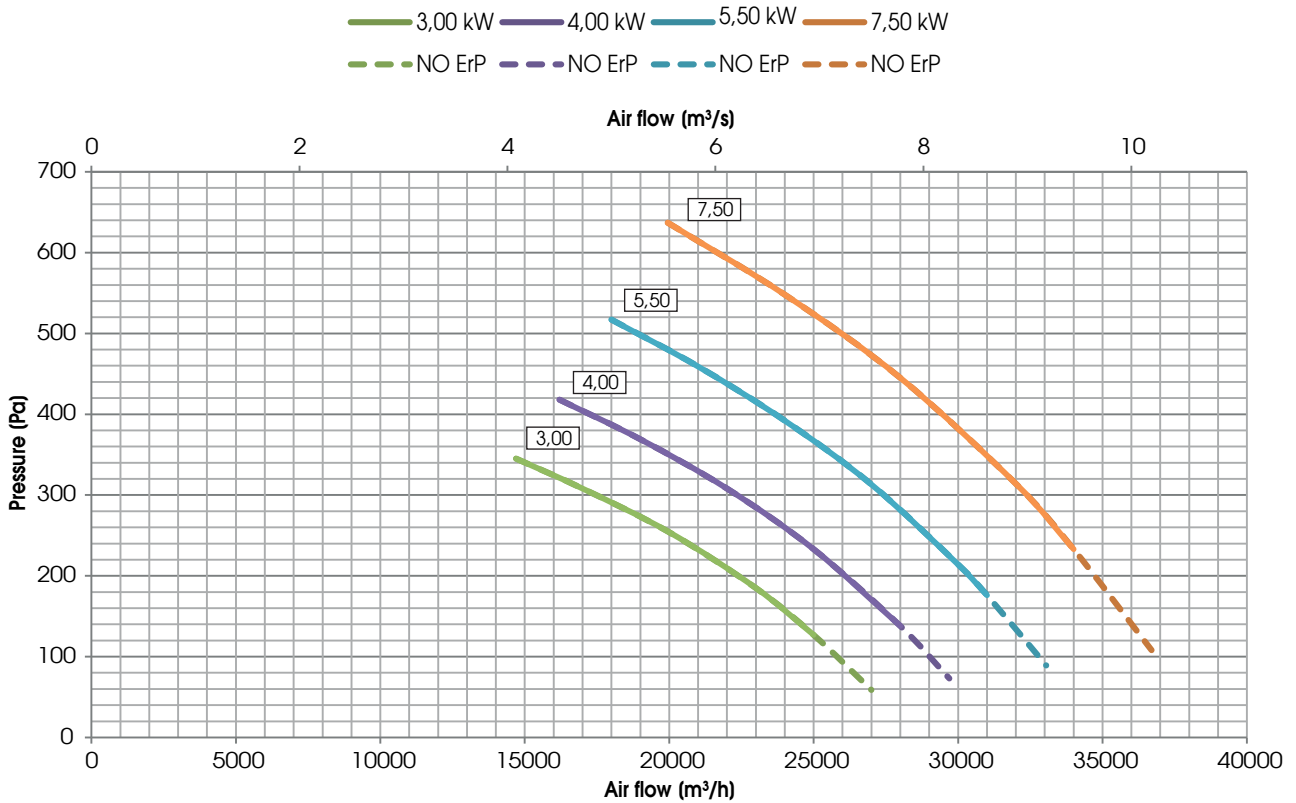
PERFORMANCES

Performance calculated with ducted outlet and free inlet. Contact the technical department for work points not represented on the graph

FAN-T 560



FAN-T 630

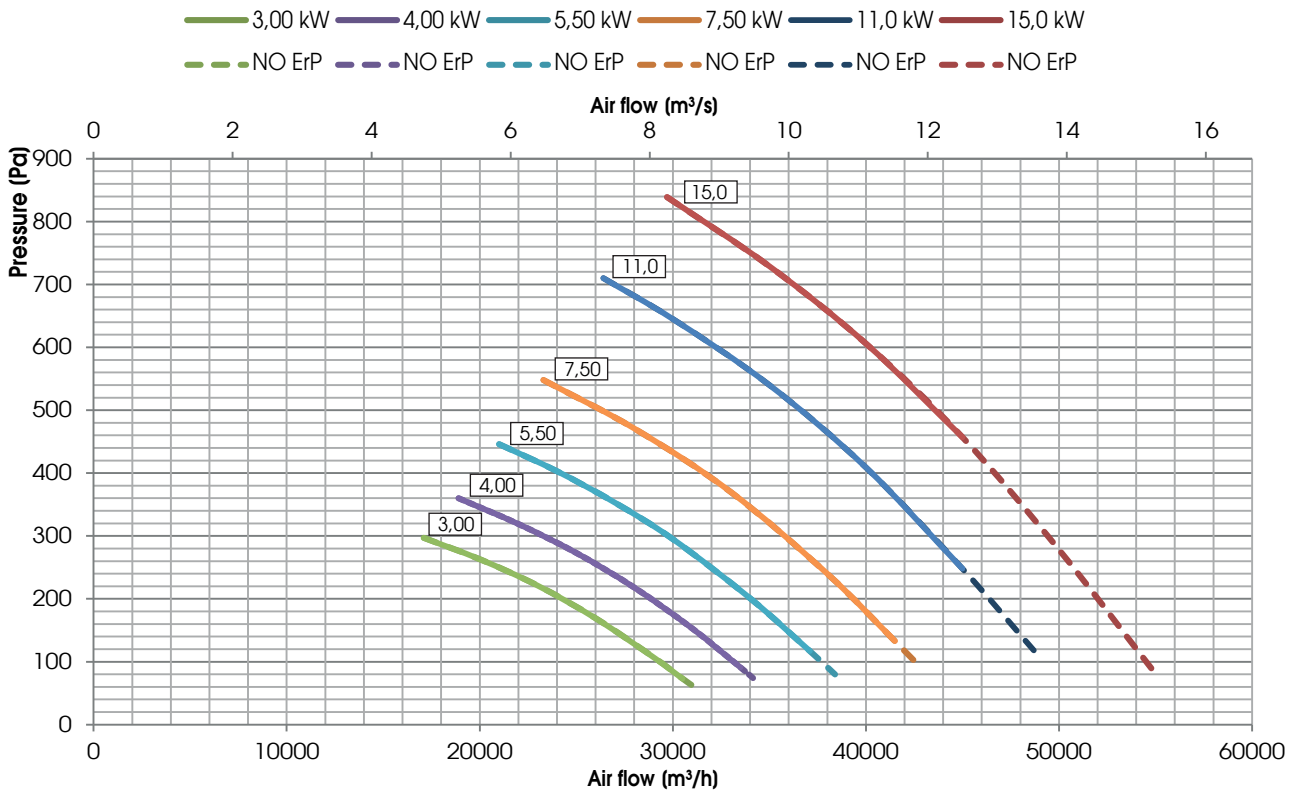




PERFORMANCES

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

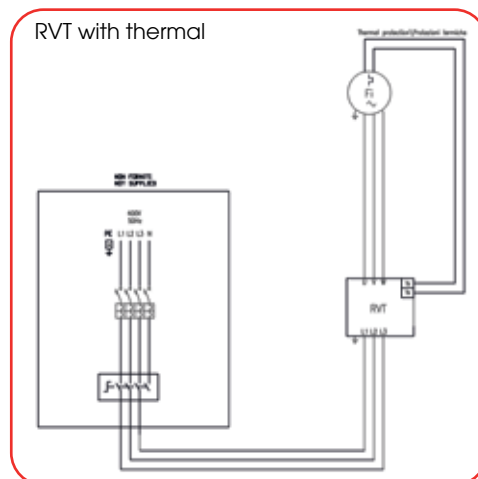
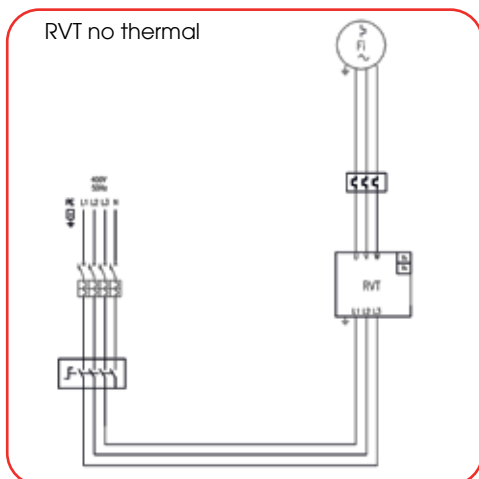
FAN-T 710



ELECTRICAL DATA ENGINES

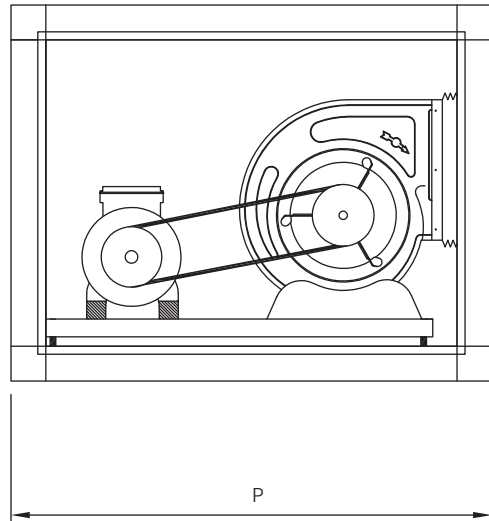
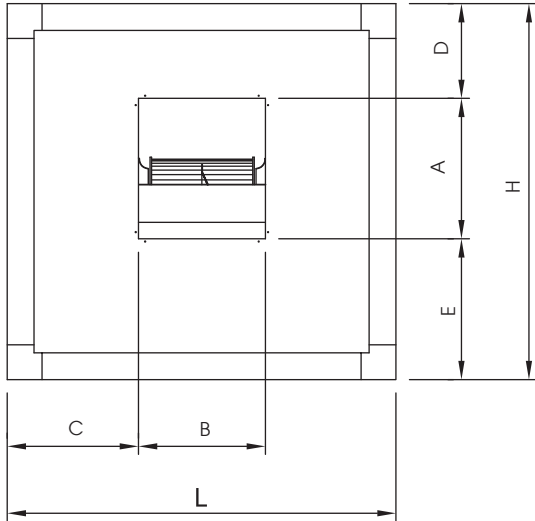
| Power (kW) | Voltage (V) | Current (A) | N. phases | Frequency (Hz) | RPM | Insulation class |
|------------|-------------|-------------|-----------|----------------|------|------------------|
| 0,75 | 400/230 | 1,81/3,15 | 3 | 50 | 1410 | IP55 class F |
| 1,1 | 400/230 | 2,82/4,91 | 3 | 50 | 1415 | IP55 class F |
| 1,5 | 400/230 | 3,47/6,01 | 3 | 50 | 1400 | IP55 class F |
| 2,2 | 400/230 | 4,82/8,38 | 3 | 50 | 1430 | IP55 class F |
| 3,0 | 400/230 | 6,49/11,29 | 3 | 50 | 1431 | IP55 class F |
| 4,0 | 400/230 | 8,1/14,09 | 3 | 50 | 1440 | IP55 class F |
| 5,5 | 690/400 | 6,62/11,42 | 3 | 50 | 1453 | IP55 class F |
| 7,5 | 690/400 | 8,6/14,83 | 3 | 50 | 1455 | IP55 class F |
| 11,0 | 400 | 21,3 | 3 | 50 | 1445 | IP55 class F |
| 15,0 | 690/400 | 16,1/27,8 | 3 | 50 | 1470 | IP55 class F |

RVT regulator

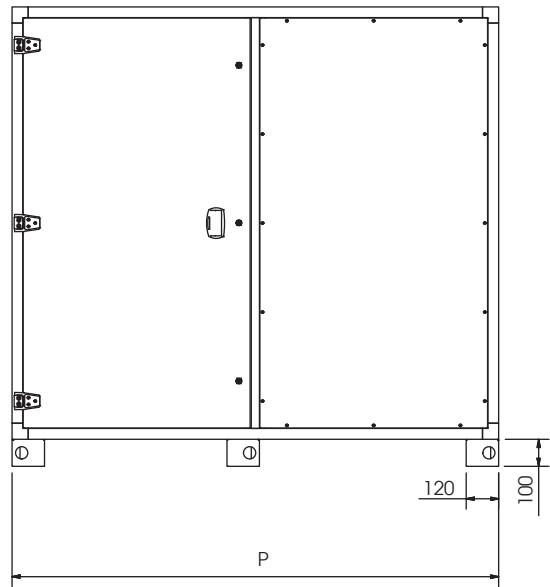
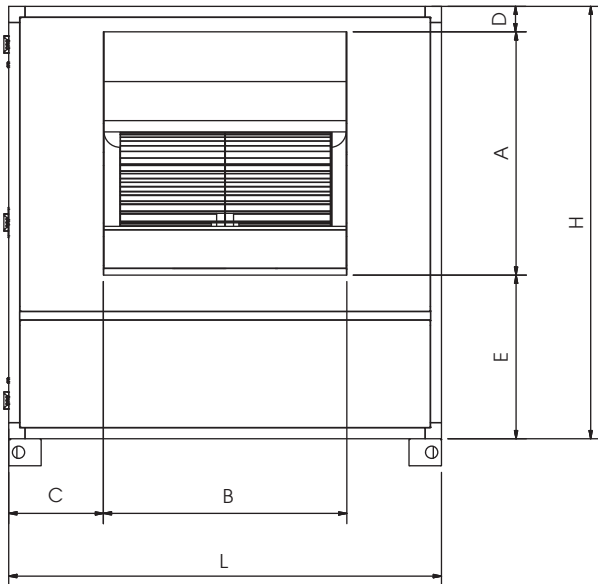




DIMENSIONS (mm) WEIGHT (kg)



| UNIT | Dimensions (mm) | | | | | | | | |
|-------------|-----------------|-----|------|-----|-----|-------|-----|-----|-------------|
| | L | H | P | A | B | C | D | E | Weight (kg) |
| FAN-T 9/9 | 600 | 600 | 800 | 262 | 298 | 151 | 122 | 216 | 41 |
| FAN-T 10/10 | 600 | 600 | 800 | 289 | 331 | 134,5 | 63 | 248 | 56 |
| FAN-T 12/12 | 700 | 700 | 900 | 341 | 395 | 152,5 | 84 | 275 | 75 |
| FAN-T 15/15 | 950 | 950 | 1200 | 404 | 470 | 240 | 246 | 300 | 111 |
| FAN-T 18/18 | 950 | 950 | 1200 | 478 | 557 | 196,5 | 105 | 367 | 160 |



| UNIT | Dimensions (mm) | | | | | | | | |
|-----------|-----------------|------|------|-----|-----|-----|-----|-----|-------------|
| | L | H | P | A | B | C | D | E | Weight (kg) |
| FAN-T 500 | 1200 | 1200 | 1500 | 640 | 640 | 280 | 120 | 440 | 200 |
| FAN-T 560 | 1300 | 1300 | 1600 | 720 | 720 | 290 | 110 | 470 | 235 |
| FAN-T 630 | 1500 | 1400 | 1700 | 800 | 800 | 350 | 100 | 500 | 260 |
| FAN-T 710 | 1600 | 1600 | 1800 | 900 | 900 | 350 | 100 | 600 | 320 |

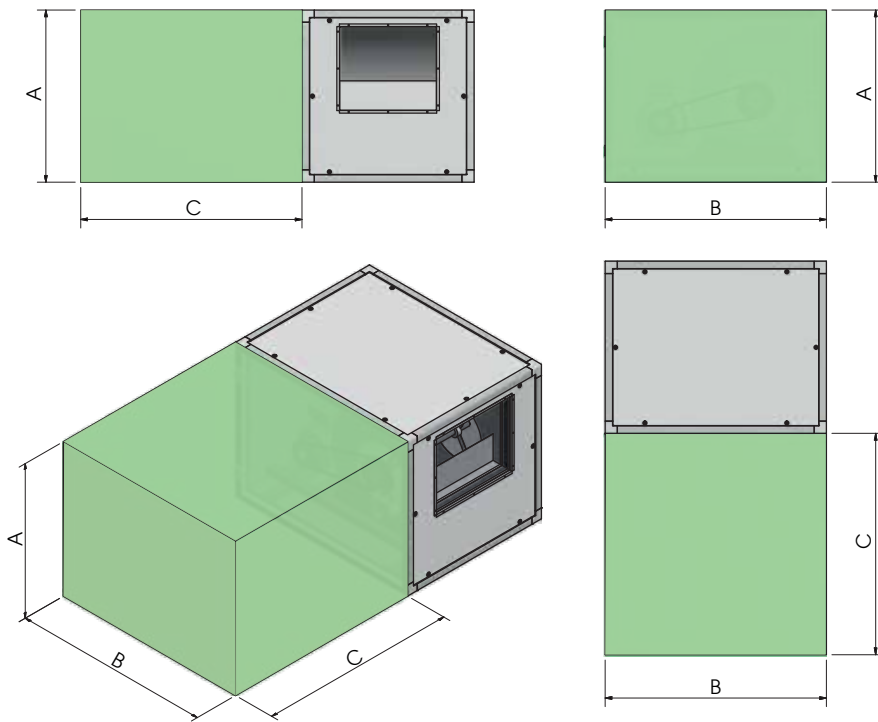


INSTALLATION

FAN-T INSTALLATION from 7/7 to 18/18

■ Minimum required space for maintenance (mm)

| MOD. | A (mm) | B (mm) | C (mm) |
|-------------------|--------|--------|--------|
| FAN-T 7-7 | 500 | 700 | 700 |
| FAN-T 9/9-10/10 | 600 | 800 | 800 |
| FAN-T 12/12 | 700 | 900 | 900 |
| FAN-T 15/15-18/18 | 950 | 1200 | 1200 |



C = opening inspection panel

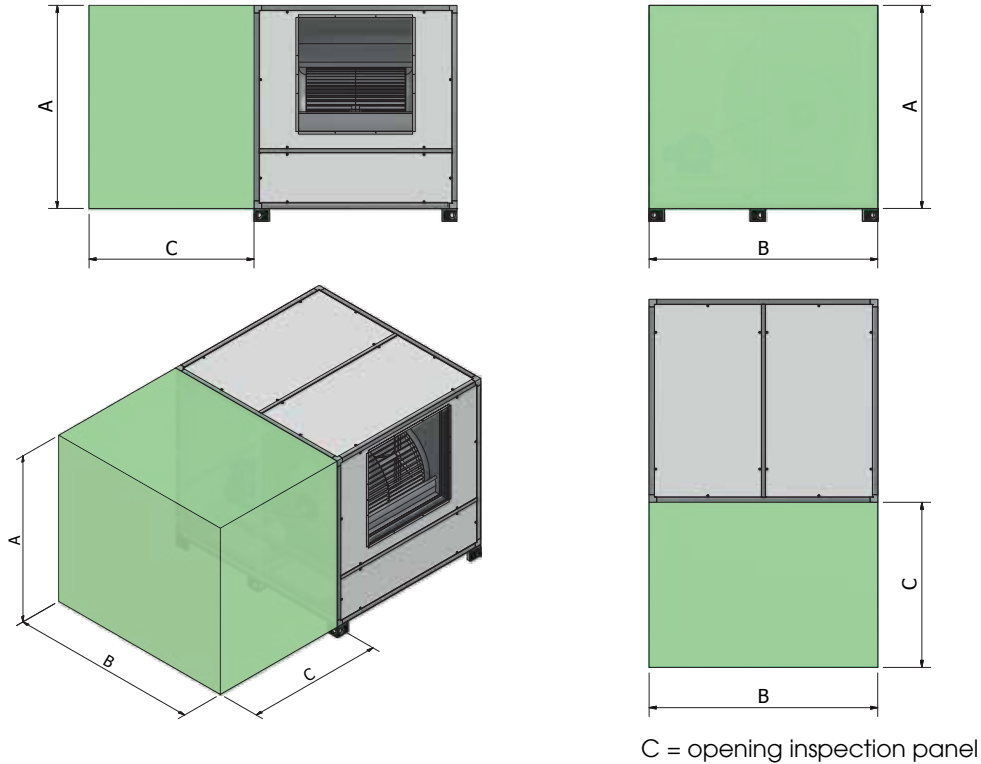


INSTALLATION

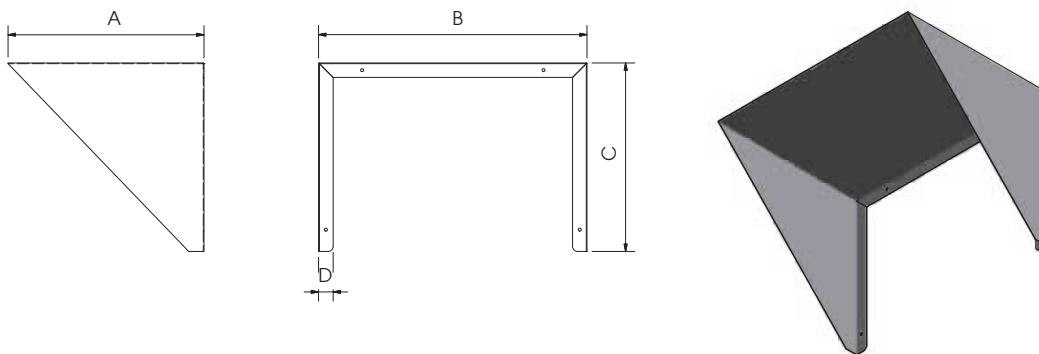
FAN-T INSTALLATION from 500 to 710 EXTRAORDINARY MAINTENANCE (replacing filters)

Minimum required space for maintenance (mm)

| MOD. | A (mm) | B (mm) | C (mm) |
|-----------|--------|--------|--------|
| FAN-T 500 | 1200 | 1500 | 1300 |
| FAN-T 560 | 1300 | 1600 | 1400 |
| FAN-T 630 | 1400 | 1700 | 1530 |
| FAN-T 710 | 1600 | 1800 | 1660 |



PROTECTION COWL FOR FAN-T



| MOD. | A (mm) | B (mm) | C (mm) | D (mm) |
|-------------|--------|--------|--------|--------|
| FAN-T 9/9 | 270 | 370 | 260 | 20 |
| FAN-T 10/10 | 270 | 402 | 340 | 20 |
| FAN-T 12/12 | 300 | 465 | 390 | 20 |
| FAN-T 15/15 | 310 | 550 | 495 | 20 |
| FAN-T 18/18 | 350 | 635 | 570 | 20 |
| FAN-T 500 | 400 | 716 | 730 | 20 |
| FAN-T 560 | 400 | 793 | 807 | 20 |
| FAN-T 630 | 400 | 879 | 893 | 20 |
| FAN-T 710 | 400 | 976 | 990 | 20 |

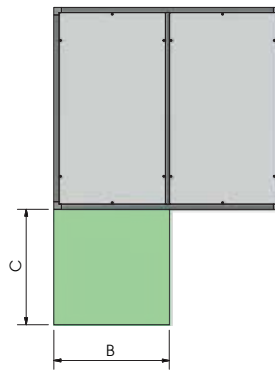
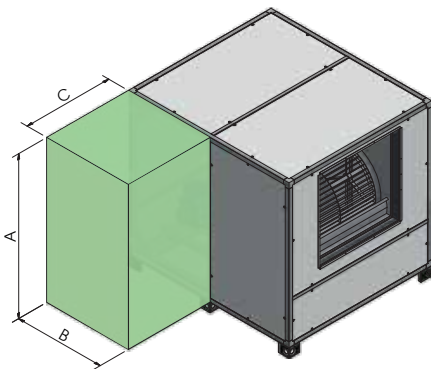
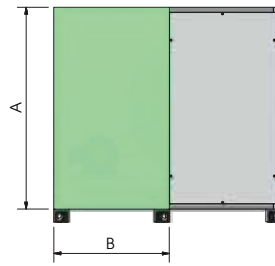
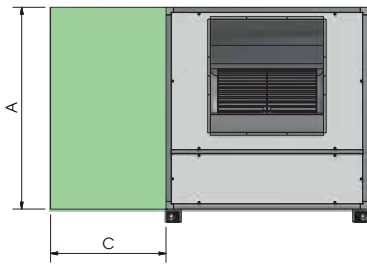


INSTALLATION

FAN-T INSTALLATION from 500 to 710 ORDINARY MAINTENANCE

 Minimum required space for maintenance (mm)

| MOD. | A (mm) | B (mm) | C (mm) |
|------------------|--------|--------|--------|
| FAN-T 500 | 1200 | 765 | 765 |
| FAN-T 560 | 1300 | 815 | 815 |
| FAN-T 630 | 1400 | 865 | 865 |
| FAN-T 710 | 1600 | 915 | 915 |



C = opening inspection panel

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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CERTIFICATO DA DNV GL**
ISO 9001

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FAN-T_2016_3_EN



AIR VENTILATION UNITS