



ISO 9001  
BUREAU VERITAS  
Certification



**ALVYRAL**

F400/120mn extraction unit

CE: 0370-CPR-2261



VENTILATION OF PROFESSIONAL KITCHENS, A SPECIALIST AFFAIR.

# ALVYRAL

## DESIGN / MANUFACTURE

**The F400 ALVYRAL extraction units are used to extract air from professional kitchens and all other premises** (service sector, industrials...) requiring ventilation and/or smoke extraction. **The product line has 8 models covering a range of flow rates from 200 to 19000m<sup>3</sup>/h for pressures from 50 to 1100Pa.** Installation possible with motor shaft in the vertical or horizontal position.

The casing is composed of single skin galvanised steel panels (double skin insulation as an option) with access door on one side. Galvanised steel single outlet reaction fan.

**As a standard, the unit is proposed with:**

- Smooth connection sleeve on the discharge.
- 90° intake and discharge. Optional intake connection plenum (see accessories and options).

**IP55 class F flanged motor, except for the air and ventilated flow** (for ALVYRAL units with motor cover).

- Single phased 230V, 1 speed with self-transformer 5-position variable drive.
- Three-phased 230 / 400V, 1 speed with variable frequency drive.
- Three-phased 400V, 2 Dalhandler speeds (1/2 ratio) or separate coils (2/3-1/3 ratio) for operation as smoke extraction only (ErP 2016).

## DIRECTION

ALVYRAL units are available with 2 orientations: H90 and V90. With H90 orientation, the stands and pads are built in as standard.



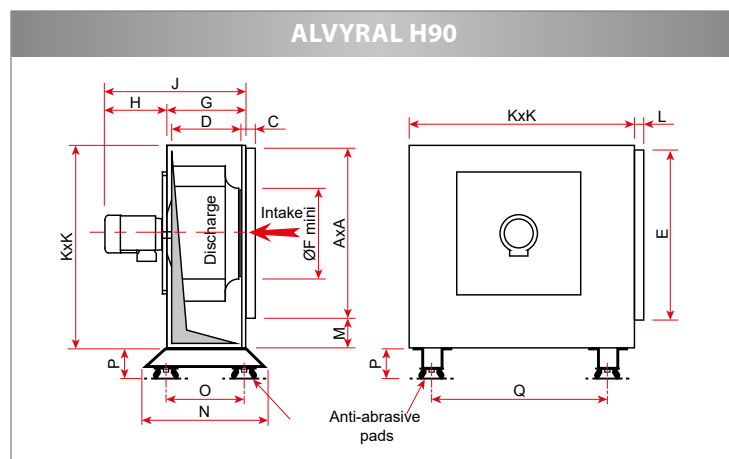
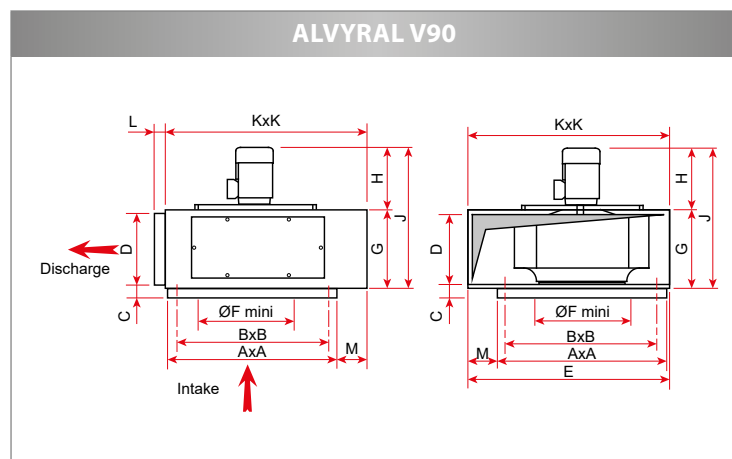
**H90**



**V90**

# ALVYRAL

## DIMENSIONS



| ALVYRAL | A<br>(mm) | B<br>(mm) | C<br>(mm) | D*<br>(mm) | E*<br>(mm) | F<br>(mm) | G<br>(mm) | H**<br>(mm) | J**<br>(mm) | K<br>(mm) | L<br>(mm) | M<br>(mm) | N<br>(mm) | O<br>(mm) | P<br>(mm) | Q<br>(mm) |
|---------|-----------|-----------|-----------|------------|------------|-----------|-----------|-------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 036     | 445       | 395       | 25        | 200        | 542        | 315       | 204       | 235         | 439         | 545       | 54        | 90        | 290       | 235       | 79        | 285       |
| 040     | 565       | 515       | 30        | 247        | 662        | 400       | 250       | 247         | 497         | 665       | 54        | 90        | 340       | 285       | 79        | 405       |
| 045     | 565       | 515       | 30        | 260        | 662        | 400       | 263       | 272         | 535         | 665       | 54        | 90        | 340       | 285       | 79        | 405       |
| 050     | 565       | 515       | 30        | 298        | 662        | 400       | 302       | 312         | 614         | 665       | 54        | 90        | 340       | 285       | 79        | 405       |
| 056     | 800       | 740       | 35        | 358        | 947        | 500       | 361       | 338         | 699         | 950       | 54        | 140       | 450       | 395       | 79        | 610       |
| 063     | 800       | 740       | 35        | 382        | 947        | 500       | 385       | 338         | 723         | 950       | 54        | 140       | 450       | 395       | 79        | 610       |
| 071     | 910       | 850       | 40        | 451        | 1056       | 630       | 454       | 336         | 790         | 1060      | 54        | 140       | 500       | 430       | 99        | 720       |
| 080     | 910       | 850       | 40        | 488        | 1056       | 630       | 491       | 431         | 922         | 1060      | 54        | 140       | 500       | 430       | 99        | 720       |

\* Discharge connection sleeve

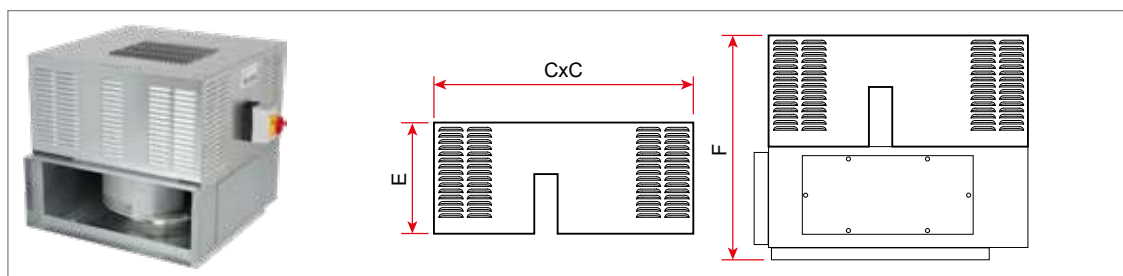
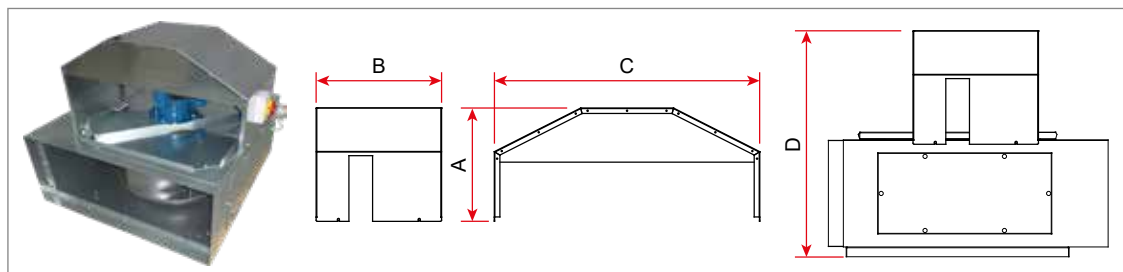
\*\* Measurements with maximum motor height

## MOTOR COVER

As an option, possibility of fitting the unit with 2 types of motor cover:

- Open motor cover
- Closed motor cover

Galvanised steel manufacture.

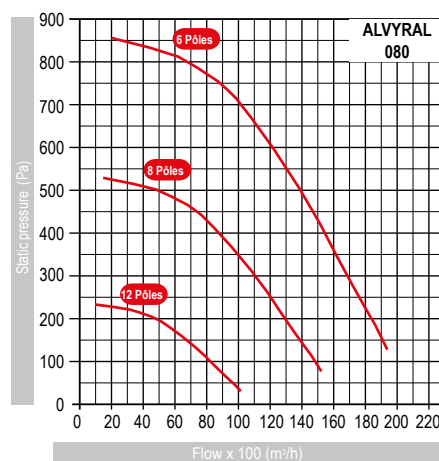
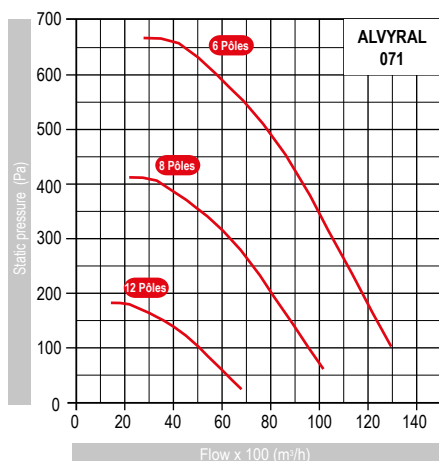
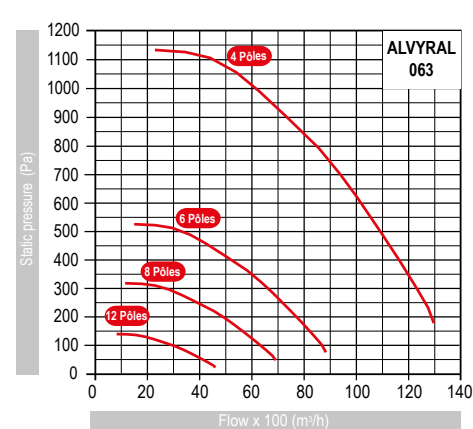
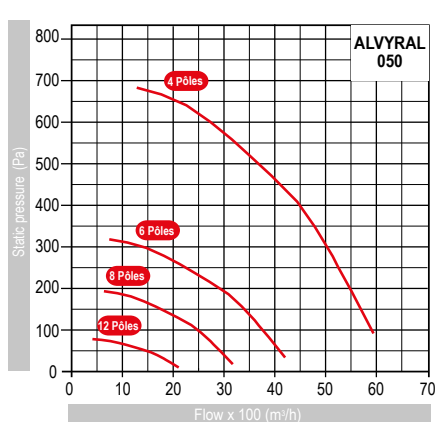
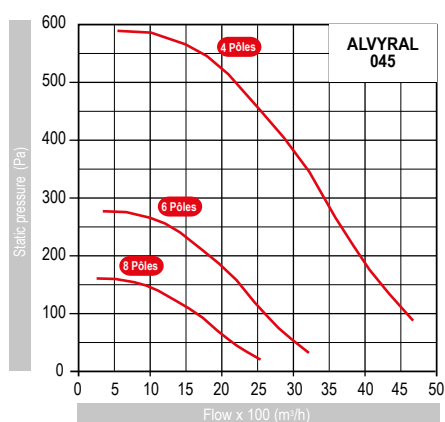
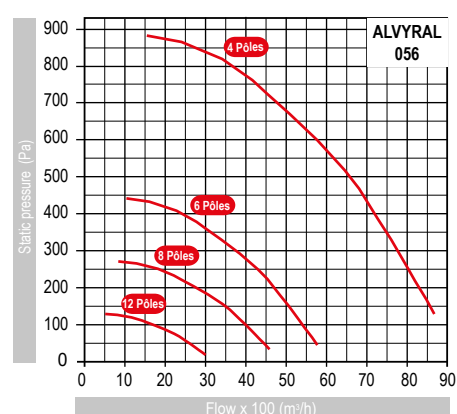
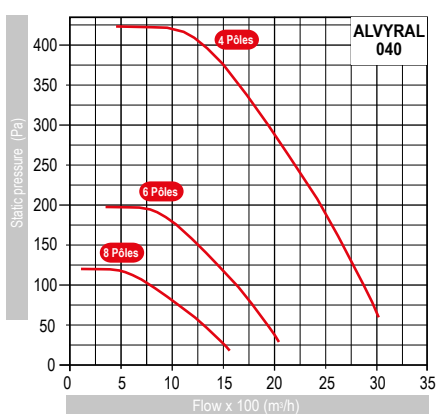
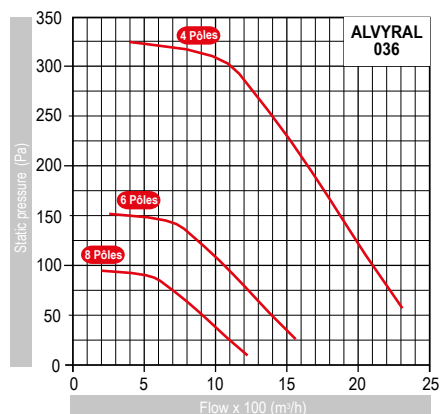


| ALVYRAL | A<br>(mm) | B<br>(mm) | C<br>(mm) | D<br>(mm) | E<br>(mm) | F<br>(mm) |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|
| 036     | 314       | 350       | 545       | 527       | 291       | 520       |
| 040     | 374       | 400       | 665       | 639       | 351       | 631       |
| 045     | 374       | 400       | 665       | 652       | 351       | 644       |
| 050     | 374       | 400       | 665       | 690       | 351       | 683       |
| 056     | 414       | 450       | 950       | 794       | 391       | 787       |
| 063     | 414       | 450       | 950       | 828       | 391       | 811       |
| 071     | 504       | 500       | 1060      | 982       | 481       | 975       |
| 080     | 504       | 500       | 1060      | 1019      | 481       | 1012      |



# ALVYRAL

## SELECTION GRAPH



## TECHNICAL SPECIFICATIONS

| ALVYRAL                         | Rotation speed (rpm) | Power (kW) | Intensity (A)     |          |           | Weight (kg)   |            | 5-speed self-transformer type¹ | IP55 variable frequency drive |              |
|---------------------------------|----------------------|------------|-------------------|----------|-----------|---------------|------------|--------------------------------|-------------------------------|--------------|
|                                 |                      |            | Single phase 230V | Tri 230V | Tri 400V  | Without cover | With cover |                                | Single phase 230 V*           | Tri 400 V    |
| 1 SPEED - SINGLE PHASED 230V    |                      |            |                   |          |           |               |            |                                |                               |              |
| 036 - 4 MV                      | 1500                 | 0.25       | 2.4               | -        | -         | 27            | 35         | AUTO5M                         | -                             | -            |
| 040 - 4 MV                      | 1500                 | 0.37       | 2.7               | -        | -         | 35            | 49         | AUTO5M                         | -                             | -            |
| 045 - 4 MV                      | 1500                 | 0.75       | 5.3               | -        | -         | 44            | 58         | AUTO7.5M                       | -                             | -            |
| 045 - 6 MV                      | 1000                 | 0.26       | 2.1               | -        | -         | 39            | 53         | AUTO5M                         | -                             | -            |
| 050 - 4 MV                      | 1500                 | 1.1        | 7.2               | -        | -         | 52            | 66         | AUTO7.5M                       | -                             | -            |
| 050 - 6 MV                      | 1000                 | 0.37       | 3.1               | -        | -         | 46            | 60         | AUTO5M                         | -                             | -            |
| 056 - 6 MV                      | 1000                 | 0.75       | 5.1               | -        | -         | 108           | 131        | AUTO7.5M                       | -                             | -            |
| 1 SPEED - THREE-PHASED 230/400V |                      |            |                   |          |           |               |            |                                |                               |              |
| 036 - 4 TV                      | 1500                 | 0.25       | -                 | 1.36     | 0.78      | 26            | 34         | -                              | 3.5A / 0.4kW                  | 2.1A / 0.4kW |
| 036 - 6 TV                      | 1000                 | 0.25       | -                 | 1.77     | 1.02      | 27            | 35         | -                              | 3.5A / 0.4kW                  | 2.1A / 0.4kW |
| 040 - 4 TV                      | 1500                 | 0.37       | -                 | 1.84     | 1.06      | 33            | 47         | -                              | 3.5A / 0.4kW                  | 2.1A / 0.4kW |
| 040 - 6TV                       | 1000                 | 0.25       | -                 | 1.77     | 1.02      | 34            | 48         | -                              | 3.5A / 0.4kW                  | 2.1A / 0.4kW |
| 045 - 4 TV                      | 1500                 | 0.75       | -                 | 2.83     | 1.63      | 41            | 55         | -                              | 6A / 0.7kW                    | 4.1A / 0.7kW |
| 045 - 6 TV                      | 1000                 | 0.37       | -                 | 1.83     | 1.05      | 39            | 53         | -                              | 3.5A / 0.4kW                  | 2.1A / 0.4kW |
| 050 - 4 TV                      | 1500                 | 1.1        | -                 | 4.17     | 2.4       | 49            | 63         | -                              | 9.6A / 1.5kW                  | 5.4A / 1.5kW |
| 050 - 6 TV                      | 1000                 | 0.37       | -                 | 1.83     | 1.05      | 45            | 59         | -                              | 3.5A / 0.4kW                  | 2.1A / 0.4kW |
| 056 - 4 T                       | 1500                 | 2.2        | -                 | 8.07     | 4.64      | 115           | 138        | -                              | -                             | 8.8A / 3kW   |
| 056 - 6 TV                      | 1000                 | 0.75       | -                 | 3.39     | 1.95      | 106           | 129        | -                              | 6A / 0.7kW                    | 4.1A / 0.7kW |
| 056 - 8 TV                      | 750                  | 0.37       | -                 | 2.42     | 1.39      | 109           | 132        | -                              | 3.5A / 0.4kW                  | 2.1A / 0.4kW |
| 063 - 4T                        | 1500                 | 3          | -                 | 10.70    | 6.17      | 131           | 154        | -                              | -                             | 8.8A / 3kW   |
| 063 - 6 TV                      | 1000                 | 1.5        | -                 | 6.45     | 3.71      | 127           | 148        | -                              | 9.6A / 1.5kW                  | 5.4A / 1.5kW |
| 063 - 8TV                       | 750                  | 0.75       | -                 | 4.10     | 2.36      | 128           | 149        | -                              | 6A / 0.7kW                    | 4.1A / 0.7kW |
| 071 - 6 T                       | 1000                 | 2.2        | -                 | 10.30    | 5.94      | 150           | 191        | -                              | -                             | 8.8A / 3kW   |
| 071 - 8 TV                      | 750                  | 1.1        | -                 | 5.93     | 3.41      | 145           | 186        | -                              | 9.6A / 1.5kW                  | 5.4A / 1.5kW |
| 080 - 6 T                       | 1000                 | 4          | -                 | 16.50    | 9.46      | 195           | 236        | -                              | -                             | 11A / 4kW    |
| 080 - 8 T                       | 750                  | 2.2        | -                 | 9.46     | 5.44      | 186           | 227        | -                              | -                             | 8.8A / 3kW   |
| 2 SPEED - THREE- PHASED 400V    |                      |            |                   |          |           |               |            |                                |                               |              |
| 036 - 4/8 T                     | 1500/750             | 0.37/0.08  | -                 | -        | 1.83/0.52 | 27            | 35         | -                              | -                             | -            |
| 040 - 4/8 T                     | 1500/750             | 0.37/0.08  | -                 | -        | 1.83/0.52 | 34            | 48         | -                              | -                             | -            |
| 045 - 4/8 T                     | 1500/750             | 0.8/0.2    | -                 | -        | 1.99/0.88 | 42            | 56         | -                              | -                             | -            |
| 045 - 6/8 T                     | 1000/750             | 0.25/0.12  | -                 | -        | 1.04/0.94 | 39            | 53         | -                              | -                             | -            |
| 050 - 4/6 T                     | 1500/1000            | 1.1/0.3    | -                 | -        | 2.92/1.51 | 53            | 67         | -                              | -                             | -            |
| 050 - 4/8 T                     | 1500/750             | 1.2/0.3    | -                 | -        | 2.92/1.29 | 53            | 67         | -                              | -                             | -            |
| 050 - 6/8 T                     | 1000/750             | 0.37/0.2   | -                 | -        | 1.51/1.06 | 46            | 60         | -                              | -                             | -            |
| 050 - 6/12 T                    | 1000/500             | 0.37/0.07  | -                 | -        | 1.59/0.69 | 50            | 64         | -                              | -                             | -            |
| 056 - 4/6 T                     | 1500/1000            | 2.2/0.7    | -                 | -        | 4.91/2.48 | 116           | 139        | -                              | -                             | -            |
| 056 - 4/8 T                     | 1500/750             | 2.2/0.55   | -                 | -        | 4.84/2    | 116           | 139        | -                              | -                             | -            |
| 056 - 6/8 T                     | 1000/750             | 0.75/0.37  | -                 | -        | 2.68/1.67 | 110           | 133        | -                              | -                             | -            |
| 056 - 6/12 T                    | 1000/500             | 0.75/0.15  | -                 | -        | 2.38/0.97 | 109           | 132        | -                              | -                             | -            |
| 063 - 4/6T                      | 1500/1000            | 3/1        | -                 | -        | 6.85/3.86 | 144           | 167        | -                              | -                             | -            |
| 063 - 4/8T                      | 1500/750             | 2.8/0.7    | -                 | -        | 6.01/2.41 | 133           | 156        | -                              | -                             | -            |
| 063 - 6/8 T                     | 1000/750             | 1.5/0.75   | -                 | -        | 4.03/3.18 | 147           | 170        | -                              | -                             | -            |
| 063 - 6/12 T                    | 1000/500             | 1.5/0.25   | -                 | -        | 4.55/1.67 | 129           | 152        | -                              | -                             | -            |
| 071 - 6/8 T                     | 1000/750             | 2.2/1.3    | -                 | -        | 5.96/4.36 | 168           | 209        | -                              | -                             | -            |
| 071 - 6/12 T                    | 1000/500             | 2.2/0.55   | -                 | -        | 5.87/2.39 | 157           | 198        | -                              | -                             | -            |
| 080 - 6/8 T                     | 1000/750             | 4/1.1      | -                 | -        | 11.3/4.84 | 204           | 245        | -                              | -                             | -            |
| 080 - 6/12 T                    | 1000/500             | 4.0/1.0    | -                 | -        | 12.6/5.13 | 190           | 231        | -                              | -                             | -            |

M: single phase 230V motor - T: three-phased 400V motor - V: variable speed motor.

<sup>1</sup> Self-transformer without thermal protection

\* Variable frequency drive supply Single phase 230V - Variable speed drive output Three-phased 230V