



## CFV

- F400/120 smoke extraction unit with belt and pulley transmission

### Use

- Extracting air in mechanical smoke extraction systems (high-rise buildings (IGH and residential IGH), public access buildings (ERP), professional kitchens or other types of premises)
- Horizontal mounting, indoor or outdoor installation
- 10 sizes covering a flow rate range from 500 to 100,000 m<sup>3</sup>/h

### Accessories

- Proximity cut-off switch **IPC**
- Air pressure switch **HUB**
- Variable speed drives **FIS-C** or other models (mandatory for comfort ErP compliance)
- Relay box **RMOVE BOX**
- 25 mm double-skin insulation **ISO DP**
- Rectangular connection bracket **MAR**
- Suction flange plate **PAV**
- Discharge transformer **PTDOF**
- Discharge grille **GRA**
- Circular connection bracket **MANS-PU**
- Mesh rain shield with vertical **SGRV** or horizontal discharge **SGRH**
- Grease collection tray **BRG**
- Epoxy external paint **PEEDOF**
- Motor cover **CPM**
- Vibration dampers **MGM**

### Composition

#### CASE

- Galvanised steel sheet panels
- Glass wool double-skin insulation (50 to 62 kg/m<sup>3</sup>), 25 mm thick (optional)
- Glass wool fire rating as per EN 13501-1: A1
- Removable side panels
- Changeable auxiliary (straight as standard)
- Horizontal or vertical discharge on request

#### MOTORISED FAN

- Motorised fan unit with belt and pulley transmission, mounted on vibration dampers and flexible seals
- Action (CFV A) or reaction (CFV R) fan
- 1- or 2-speed motor (Dahlander or Separate Windings)

#### ELECTRICAL CABINET

- Three-phase 230/400 V + E power supply
- Three-phase 400 V + E power supply

## ErP (Energy related Products) compliance

### COMFORT

Exemption	No
Unit type	NRVU - Qv max. > 250 m <sup>3</sup> /h or 250 m <sup>3</sup> /h < Qv max. < 1000 m <sup>3</sup> /h (if not declared by the manufacturer as exclusively intended for residential ventilation)

- Ventilation units compliant with the 2018 ErP directive in association with a variable speed drive
- Information requirements: refer to the documentation available at [www.ouestventil.fr](http://www.ouestventil.fr)

### COMFORT/SMOKE EXTRACTION

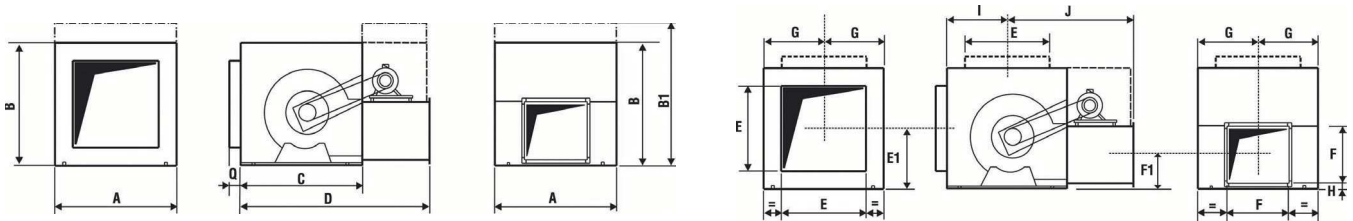
Exemption	Ventilation unit designed exclusively to operate in an emergency for short periods (smoke extraction)
Unit type	Not applicable

- Motors comply with the 2015 ErP directive
- Exempt from the scope of application of the ErP directive

## CE marking

- Classification as per NF EN 12101-3
- Certificate N° 1166-CPD-0069 and N° 1166-CPD-0070

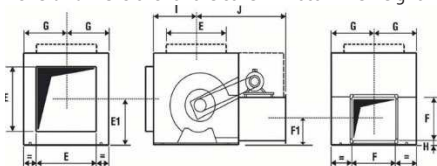
## Size details



Models	Dimensions (mm)														Weight excluding motor (kg)
	A	B	B1 <sup>2</sup>	C	D	E	E1	F	F1	G	H	I	J	Q	
200	630	630	730 ≥ (100)	659	1070	450	315	264	162	315	30	315	755	50	62
250	630	630	796	659	1070	450	315	330	195	315	30	315	755	50	66
315	950	1000	1000	1057	1600	600	500	416	265	475	57	500	1100	50	146
355	950	1000	1052 ≥ (160)	1057	1600	600	500	465	293	475	60.5	500	1100	50	152
400	1150	1150	1150	1207	1750	750	575	519	319	575	59.5	575	1175	65	217
450	1150	1150	1213 ≥ (160)	1207	1750	750	575	581	350	575	59.5	575	1175	65	227
500	1390	1300	1300	1357	1900	950	650	650	385	695	60	650	1250	65	331
560	1390	1300	1379 ≥ (160)	1357	1900	950	650	728	425	695	61	650	1250	65	351
630	1680	1850 <sub>1</sub>	1850	1787	2830	1300	985 <sub>1</sub>	813	580	840	173.5	865	1965	80	616
710	1680	1850 <sub>1</sub>	2050 ≥ (200)	1787	2830	1300	985 <sub>1</sub>	910	629	840	174	865	1965	80	707

<sup>1</sup> Frame height 120 mm included

<sup>2</sup> Overall dimensions for the cover ≥ Motor Axle Height



Models	Dimensions (mm)					
	K	L	M	N	Q	R
200	520	400	55	95	550	40
250	520	400	55	95	550	40
315	844	619	83	54	794	78
355	844	619	83	54	794	78
400	984	628	83	55	994	78
450	984	628	83	55	994	78
500	1134	628	83	55	1234	78
560	1134	628	83	55	1234	78
630	1617	953	80	180	1550	65
710	1617	953	80	180	1550	65

## Technical information

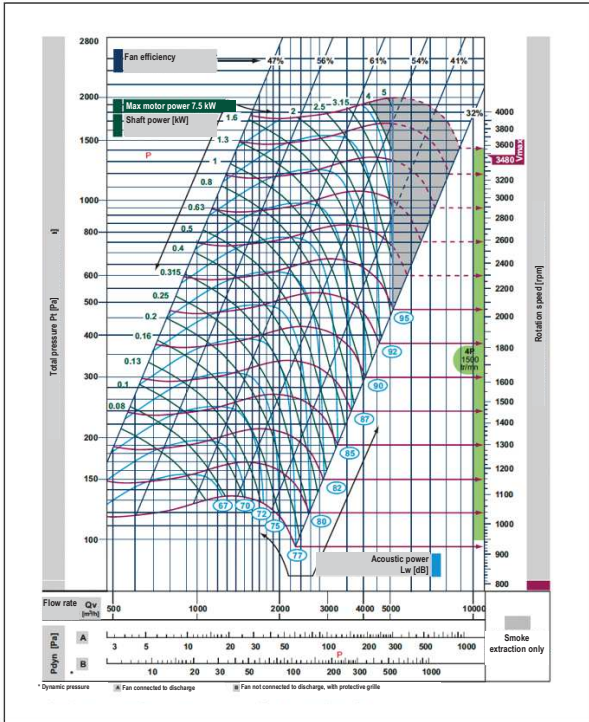
Models	Maximum motor power (kW)
200	7.50
250	9.00
315	11.00
355	15.00
400	18.50
450	22.00
500	30.00
560	30.00
630	45.00
710	55.00

Motor power (kW)	Rated current (A)	Speed variation	Maximum ambient temperature (°C)	Protection rating/Class	Axle height (mm)	Weight excluding unit (kg)
1-speed motor, 4 poles, three-phase 230/400 V						
0.37	1.1	FIS-C-44...E-0.75	-20 to +40	IP55	71	9.5
0.55	1.3	FIS-C-44...E-0.75	-20 to +40	IP55	80	12.5
0.75	1.7	FIS-C-44...E-0.75	-20 to +40	IP55	80	15.0
1.10	2.4	FIS-C-44...E-1.5	-20 to +40	IP55	90	19.5
1.50	3.3	FIS-C-44...E-1.5	-20 to +40	IP55	90	21.5
1.80	4.0	FIS-C-44...E-2.2	-20 to +40	IP55	90	21.5
2.20	4.7	FIS-C-44...E-2.2	-20 to +40	IP55	100	28.5
3.00	6.2	FIS-C-44...E-5.5	-20 to +40	IP55	100	33.5
4.00	8.1	FIS-C-44...E-5.5	-20 to +40	IP55	112	42.0
5.50	10.5	FIS-C-44...E-5.5	-20 to +40	IP55	132	48.5
7.50	14.1	FIS-C-44...E-7.5	-20 to +40	IP55	132	55.5
9.20	17.3	FIS-C-44...E-11	-20 to +40	IP55	132	75.0

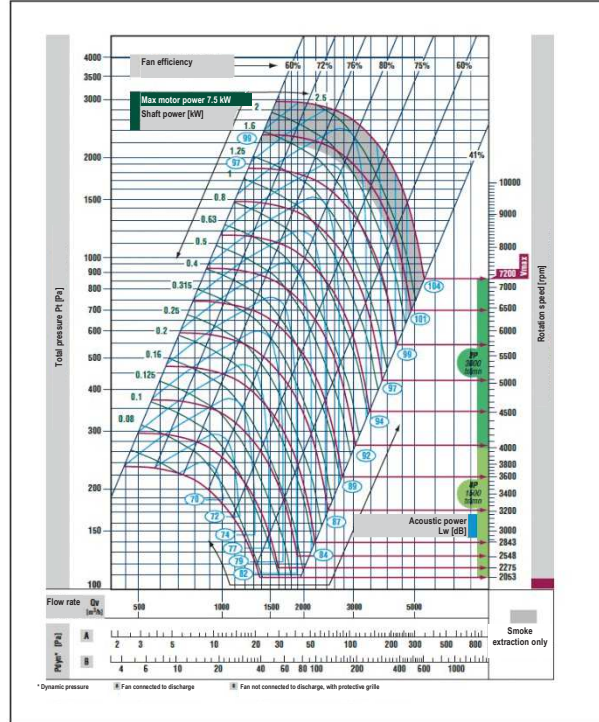
Motor power (kW)	Rated current (A)	Speed variation	Maximum ambient temperature (°C)	Protection rating/Class	Axle height (mm)	Weight excluding unit (kg)
1-speed motor, 4 poles, three-phase 400/690 V						
11.00	21.2	FIS-C-44...E-11	-20 to +40	IP55	160	105.0
15.00	28.7	FIS-C-44...E-15	-20 to +40	IP55	160	125.0
18.50	35.1	FIS-C-44...E-18.5	-20 to +40	IP55	180	164.0
22.00	40.5	FIS-C-44...E-22	-20 to +40	IP55	180	186.0
30.00	56.2	-	-20 to +40	IP55	200	222.0
37.00	66.6	-	-20 to +40	IP55	225	342.00
45.00	80.7	-	-20 to +40	IP55	225	363.00
55.00	97.1	-	-20 to +40	IP55	250	444.00
1-speed motor, 2 poles, three-phase 230/400 V						
0.37	0.9	FIS-C-44...E-0.75	-20 to +40	IP55	71	9.0
0.55	1.3	FIS-C-44...E-0.75	-20 to +40	IP55	71	11.0
0.75	1.7	FIS-C-44...E-0.75	-20 to +40	IP55	80	12.0
1.10	2.4	FIS-C-44...E-1.5	-20 to +40	IP55	80	15.0
1.50	3.2	FIS-C-44...E-1.5	-20 to +40	IP55	80	17.5
1.80	4.0	FIS-C-44...E-2.2	-20 to +40	IP55	90	19.0
2.20	4.6	FIS-C-44...E-2.2	-20 to +40	IP55	90	21.0
3.00	6.0	FIS-C-44...E-5.5	-20 to +40	IP55	100	26.0
4.00	7.8	FIS-C-44...E-5.5	-20 to +40	IP55	112	33.0
5.50	10.6	FIS-C-44...E-5.5	-20 to +40	IP55	112	51.0
7.50	14.1	FIS-C-44...E-7.5	-20 to +40	IP55	132	56.0
9.20	17.3	FIS-C-44...E-11	-20 to +40	IP55	132	61.0
11.00	20.4	FIS-C-44...E-11	-20 to +40	IP55	132	104.0
15.00	27.6	FIS-C-44...E-15	-20 to +40	IP55	160	112.0
18.50	33.7	FIS-C-44...E-18.5	-20 to +40	IP55	160	124.0
22.00	39.1	FIS-C-44...E-22	-20 to +40	IP55	180	164.0
30.00	53.6	-	-20 to +40	IP55	200	226.0
37.00	65.8	-	-20 to +40	IP55	200	255.0
2-speed motor (Dahlander), 2/4 poles, three-phase 400 V						
0.55/0.11	1.4/0.4	-	-20 to +40	IP55	80	8.3
1.10/0.25	2.4/0.8	-	-20 to +40	IP55	80	12.0
1.50/0.37	3.6/1.3	-	-20 to +40	IP55	90	15.7
2.20/0.50	4.7/1.5	-	-20 to +40	IP55	90	17.7
3.10/0.80	6.2/2.0	-	-20 to +40	IP55	100	25.7
4.40/1.10	8.6/2.8	-	-20 to +40	IP55	112	38.8
6.00/1.50	11.4/3.7	-	-20 to +40	IP55	132	54.6
8.00/2.00	15.3/4.9	-	-20 to +40	IP55	132	59.9
12.00/3.00	23.1/7.3	-	-20 to +40	IP55	160	112.0
16.00/4.00	30.1/9.6	-	-20 to +40	IP55	160	131.0
20.00/5.50	36.0/12.5	-	-20 to +40	IP55	180	181.0

Motor power (kW)	Rated current (A)	Speed variation	Maximum ambient temperature (°C)	Protection rating/Class	Axle height (mm)	Weight excluding unit (kg)
2-speed motor (Dahlander), 4/8 poles, three-phase 400 V						
0.37/0.09	1.9/0.6	-	-20 to +40	IP55	71	10.0
0.60/0.15	1.8/0.8	-	-20 to +40	IP55	80	12.4
0.80/0.20	2.0/0.9	-	-20 to +40	IP55	80	12.4
1.20/0.30	2.9/1.3	-	-20 to +40	IP55	90	17.8
1.60/0.40	3.8/1.7	-	-20 to +40	IP55	90	19.8
2.20/0.55	4.9/2.0	-	-20 to +40	IP55	100	25.3
2.80/0.70	6.1/2.4	-	-20 to +40	IP55	100	26.5
3.80/1.00	8.3/2.8	-	-20 to +40	IP55	112	39.7
5.00/1.30	10.4/3.5	-	-20 to +40	IP55	132	59.0
7.20/1.80	16.5/5.1	-	-20 to +40	IP55	132	62.0
11.00/3.00	21.0/7.0	-	-20 to +40	IP55	160	114.0
14.00/3.50	26.5/8.5	-	-20 to +40	IP55	160	134.0
17.00/4.30	33.4/12.7	-	-20 to +40	IP55	180	162.0
20.00/5.00	38.6/14.1	-	-20 to +40	IP55	180	184.0
28.00/6.50	52.0/18.0	-	-20 to +40	IP55	200	265.0
37.00/9.20	74.2/25.4	-	-20 to +40	IP55	225	380.0
44.00/11.00	80.2/27.2	-	-20 to +40	IP55	225	393.0
55.00/14.70	100.0/36.5	-	-20 to +40	IP55	250	489.0
2-speed motor (Separate Windings), 4/6 poles, three-phase 400 V						
0.75/0.25	2.0/1.4	-	-20 to +40	IP55	80	14.0
1.10/0.30	2.9/1.5	-	-20 to +40	IP55	90	21.3
1.50/0.37	3.7/1.7	-	-20 to +40	IP55	90	23.5
2.20/0.70	4.9/2.5	-	-20 to +40	IP55	100	31.4
3.00/1.00	6.9/3.9	-	-20 to +40	IP55	112	46.0
4.50/1.50	10.2/5.4	-	-20 to +40	IP55	132	64.2
6.00/2.20	13.7/7.0	-	-20 to +40	IP55	132	72.8
10.00/3.30	22.0/8.8	-	-20 to +40	IP55	160	121.0
14.00/4.50	28.0/11.0	-	-20 to +40	IP55	160	139.0
16.00/6.50	28.4/12.5	-	-20 to +40	IP55	180	195.0
20.00/8.50	34.9/16.3	-	-20 to +40	IP55	180	200.0
30.00/9.00	56.0/20.8	-	-20 to +40	IP55	200	265.0
34.00/12.00	64.4/28.0	-	-20 to +40	IP55	225	379.0
40.00/14.00	72.9/30.2	-	-20 to +40	IP55	225	433.0
50.00/18.00	94.9/37.2	-	-20 to +40	IP55	250	492.0

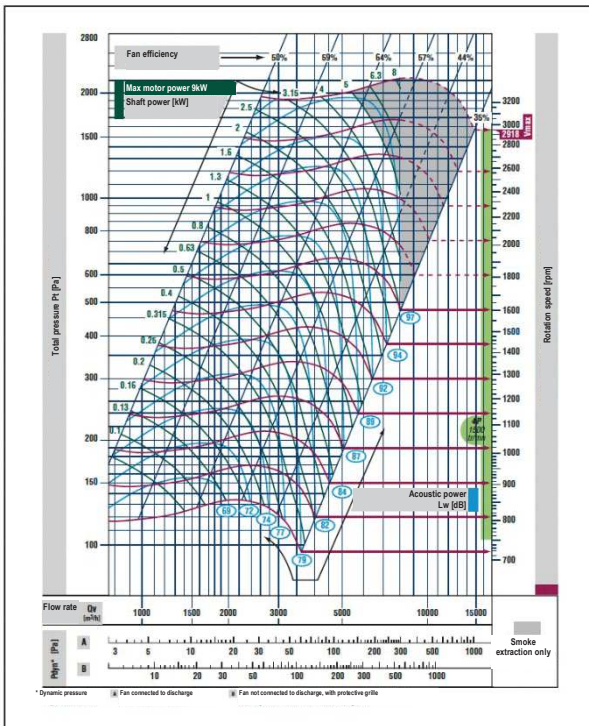
## CFV A 200



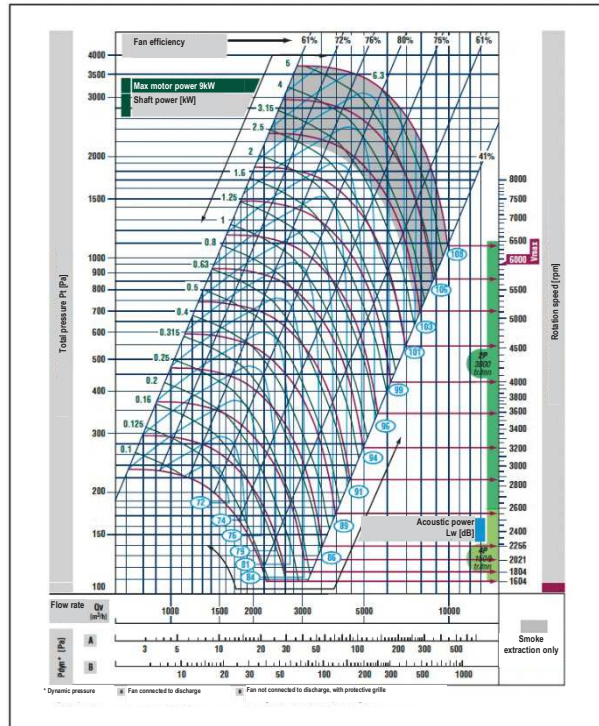
## CFV R 200



## CFV A 250

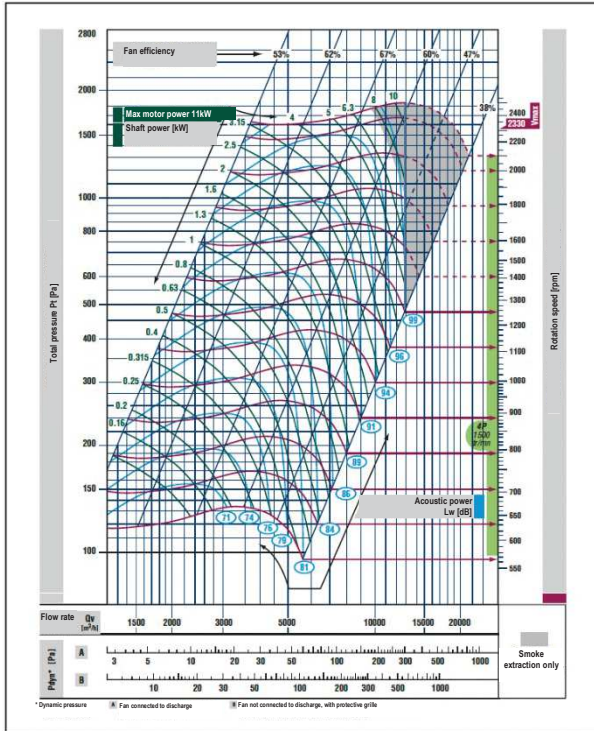


## CFV R 250

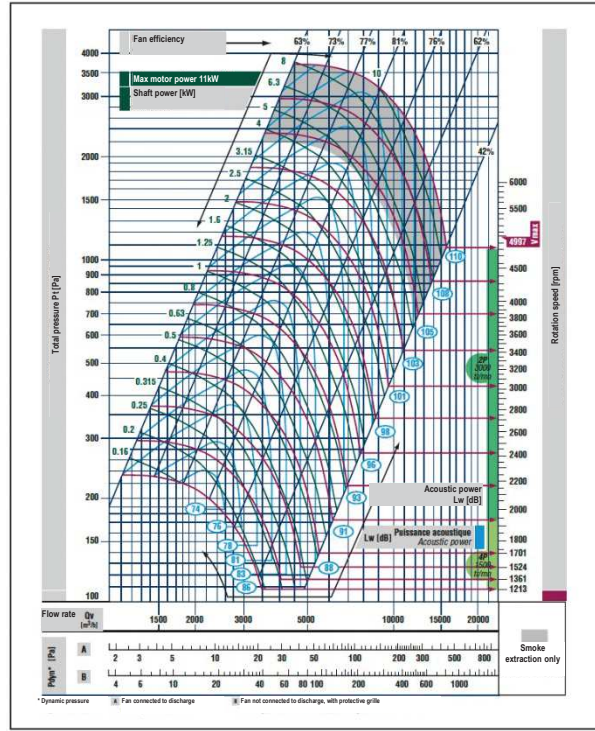




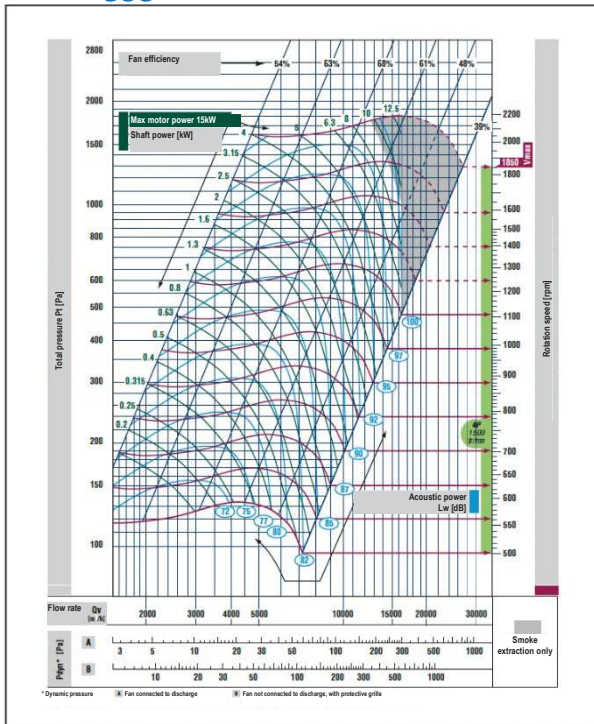
## CFV A 315



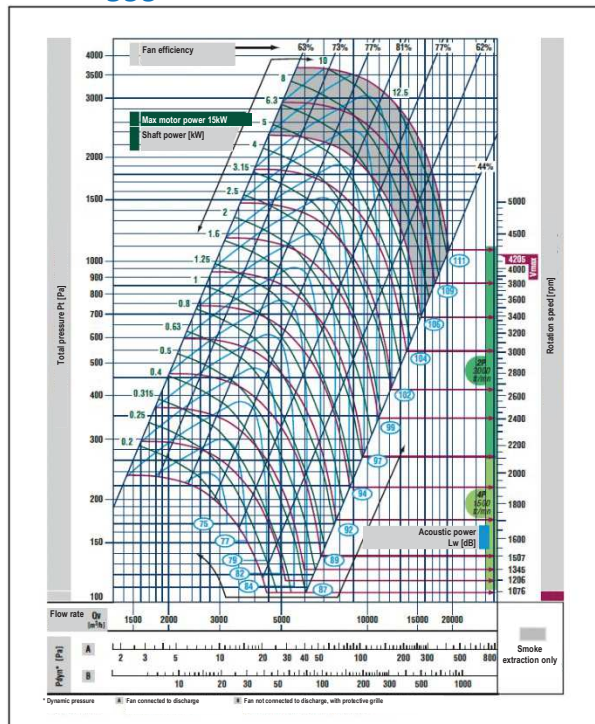
## CFV R 315



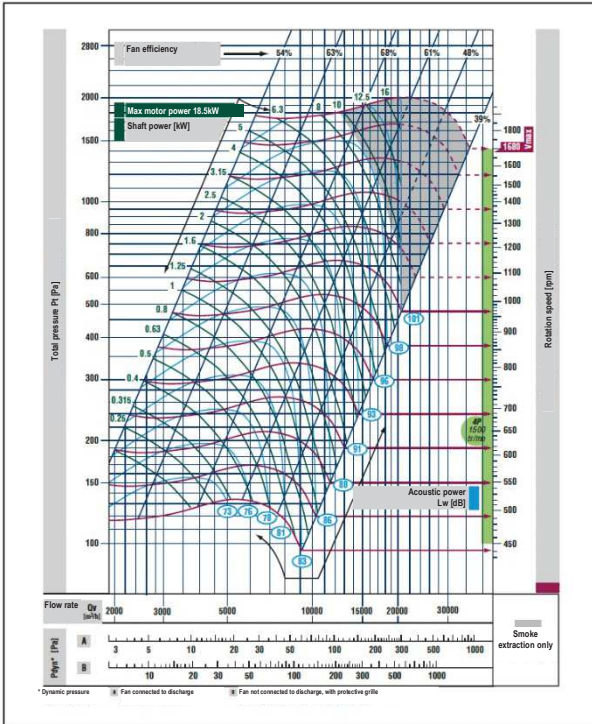
## CFV A 355



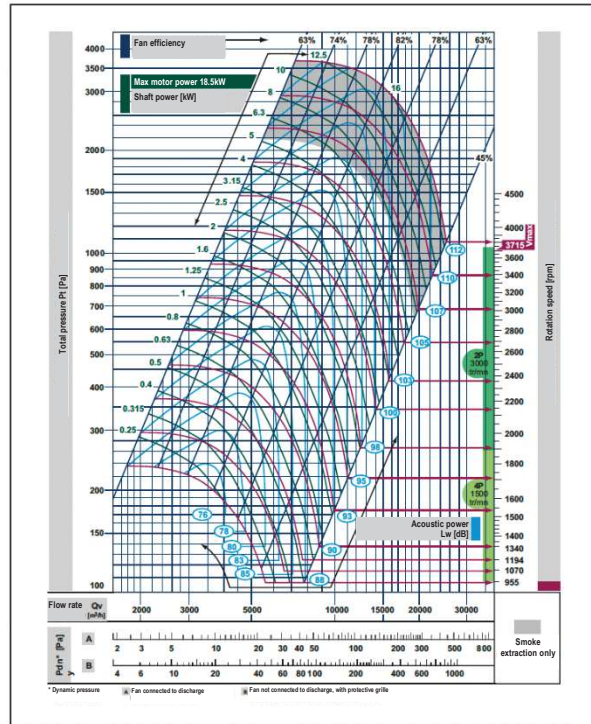
## CFV R 355



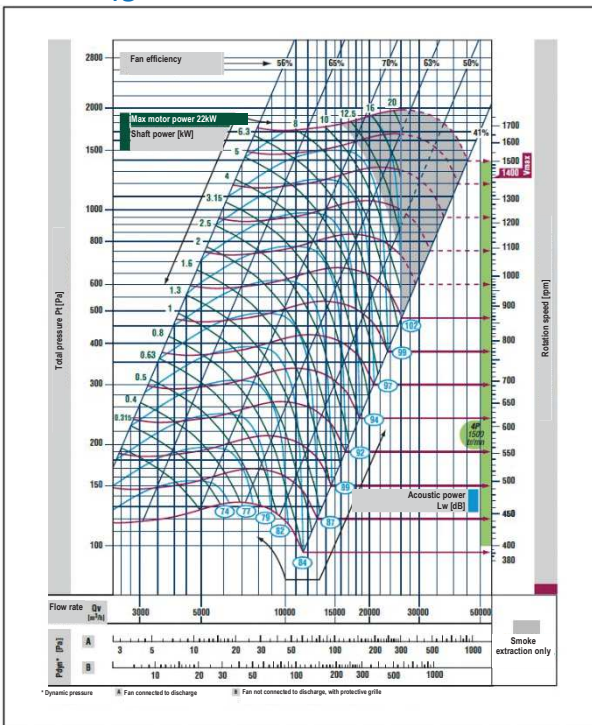
## CFV A 400



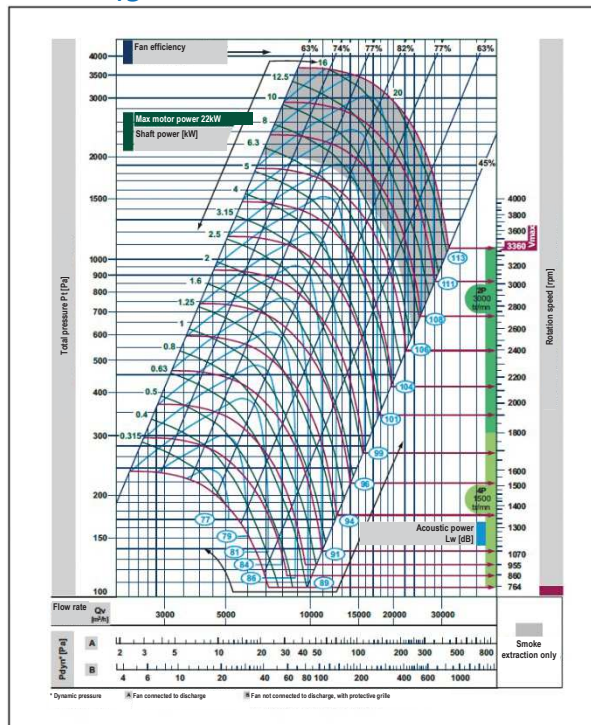
## CFV R 400



## CFV A 450

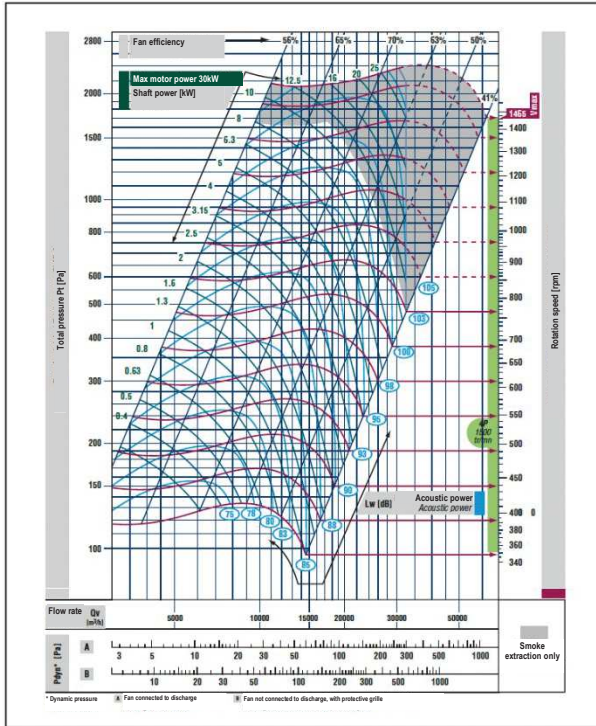


## CFV R 450

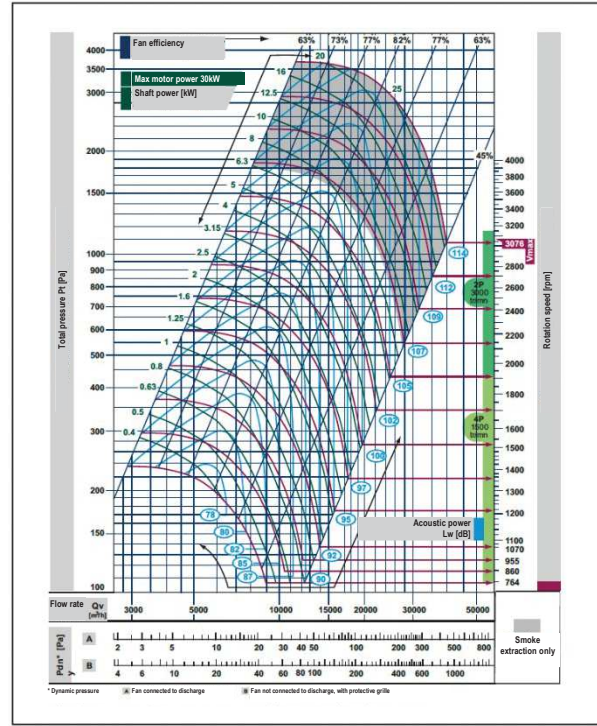




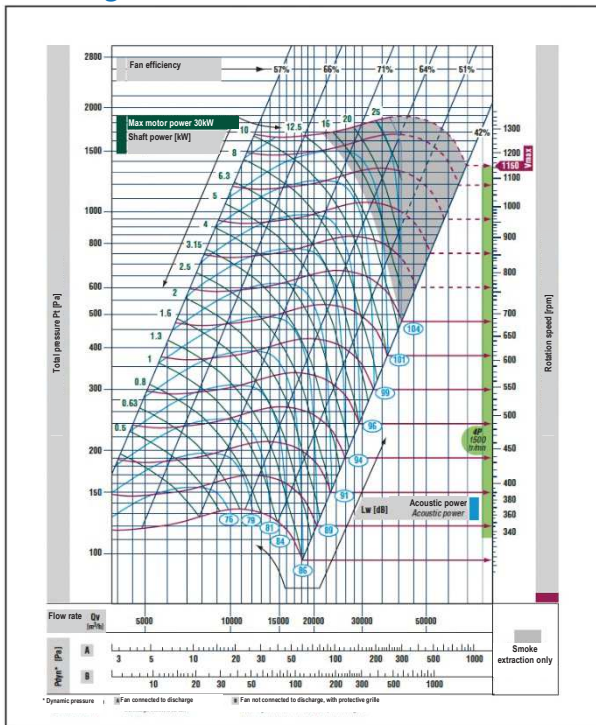
## CFV A 500



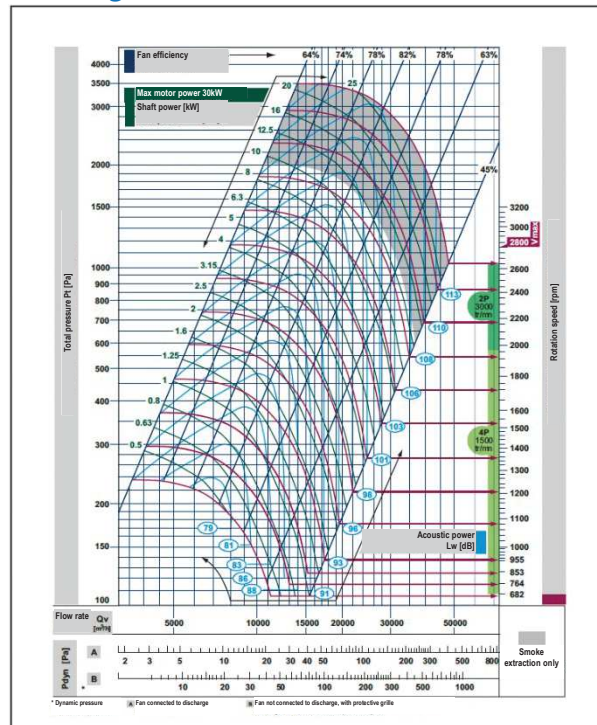
## CFV R 500



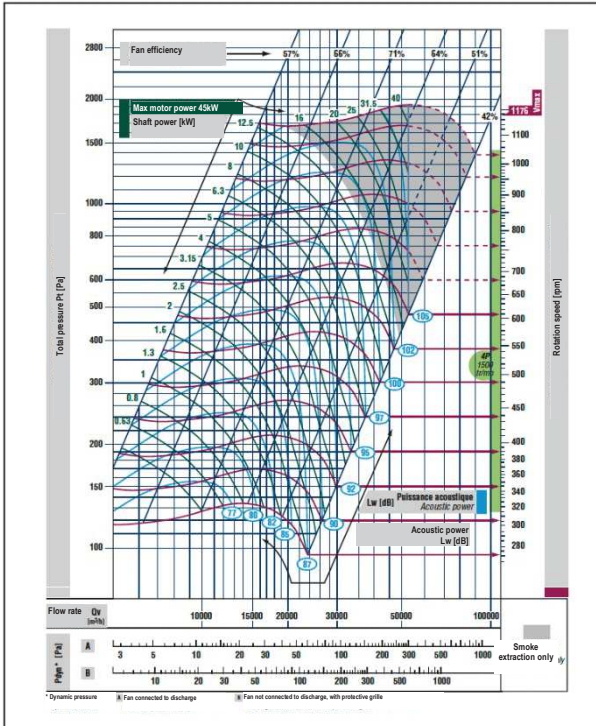
## CFV A 560



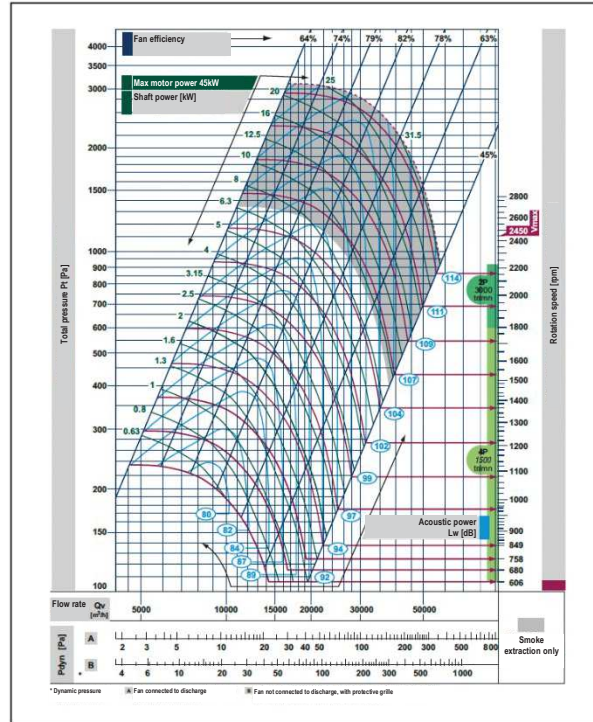
## CFV R 560



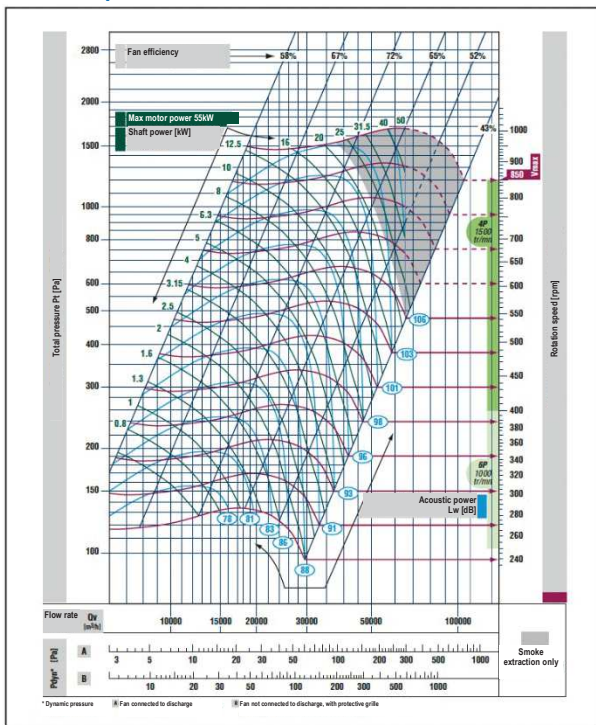
### CFV A 630



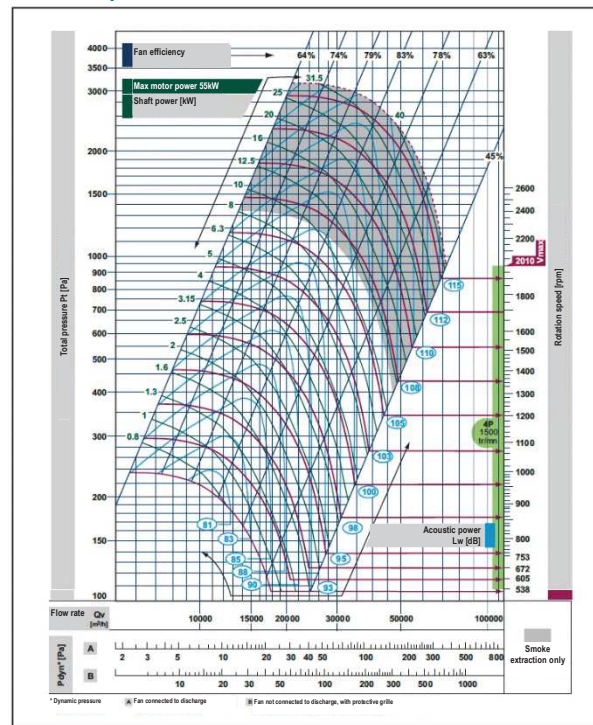
### CFV R 630



### CFV A 710



### CFV R 710





## Installation

Refer to the installation guide at [www.ouestventil.fr](http://www.ouestventil.fr)

## Accessories



**IPC**  
Proximity cut-off switch



**HUB**  
Air pressure switch



**FIS-C**  
Variable speed drive



**RMOVE ECO**  
Relay box



**ISO DP**  
25 mm double-skin insulation



**MAR**  
Connection bracket



**PVA**  
Flange plate



**PTDOF**  
Discharge transformer



**GRA**  
Discharge grille



**MANS-PU**  
Connection bracket



**SGRV / SGRH**  
Mesh rain shield



**BRG**  
Grease collection tray



**PEEDOF**  
Epoxy external paint



**CPM**  
Motor cover



**MGM**  
Vibration dampers