

- Cased axial duct fan
- 400°C/2h
- IP55



## Smoke exhaust axial fans 400°C/2h type Duct-M HT

Axial fan with long housing

### Application

- General ventilation, cooling, climate control, harvesting of crops, ventilation in chemical processes and fire ventilation up to 400°C/2h.

### Composition

- The steel housing is fully galvanized after manufacture. The flanges are an integral part of the housing and are provided with bolt holes.
- The screw is of the type with adjustable blade angle when stationary. It is balanced according to ISO 1940-1986 - Grade G 6.3. The distance between the screw and the fan housing must not exceed 0.6% of the screw diameter. The propeller blades have an aerofoil profile.
- The core and the propeller blades are cast from an aluminum alloy and are checked with X-rays for cavities and structural defects.
- The motor is of the asynchronous cage anchor type, fully closed and with overheat protection.
- Voltage: 230Vac 1ph 50Hz or 400Vac 3ph 50Hz
- Protection IP55 - Insulation class F
- In the standard version the fans are suitable for 200°C/2h

### Accessories/Options

- Silencers, support feet, vibration dampers, counter flanges, flexible sleeves, round check valve, protective grilles, inlet cone
- Electronic speed controller, speed controller with transformer and frequency converters
- Two-speed engines
- Stainless steel version

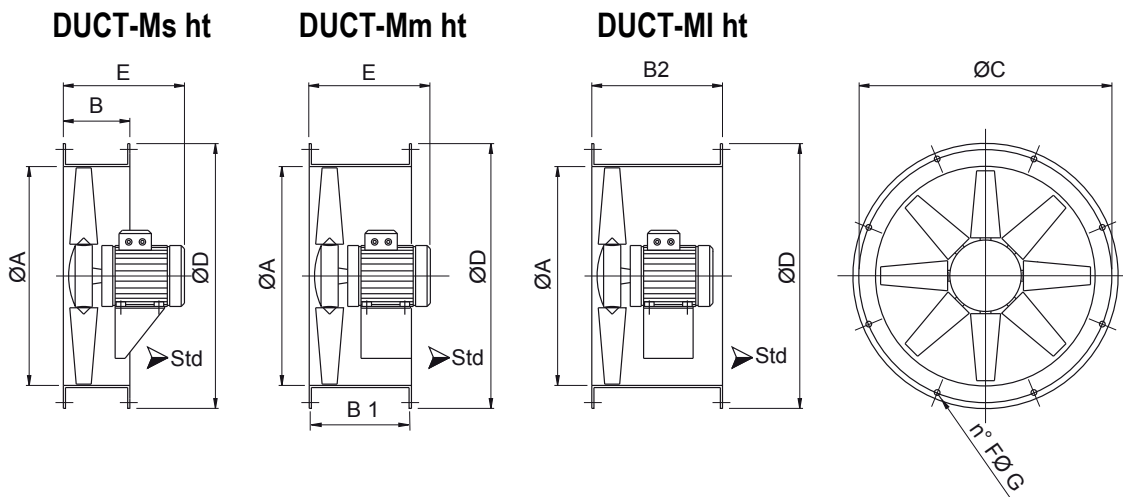
### Prices

Prices are available upon request. Please include the following information in your competition in order to make you a compliant offer:

- Airflow rate [m<sup>3</sup>/h]
- External pressure drop required [Pa]
- Free intake or channel connection

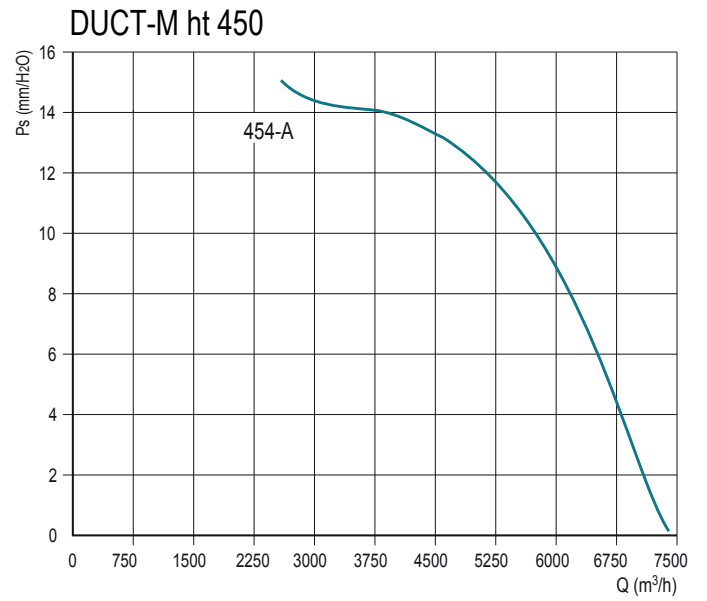
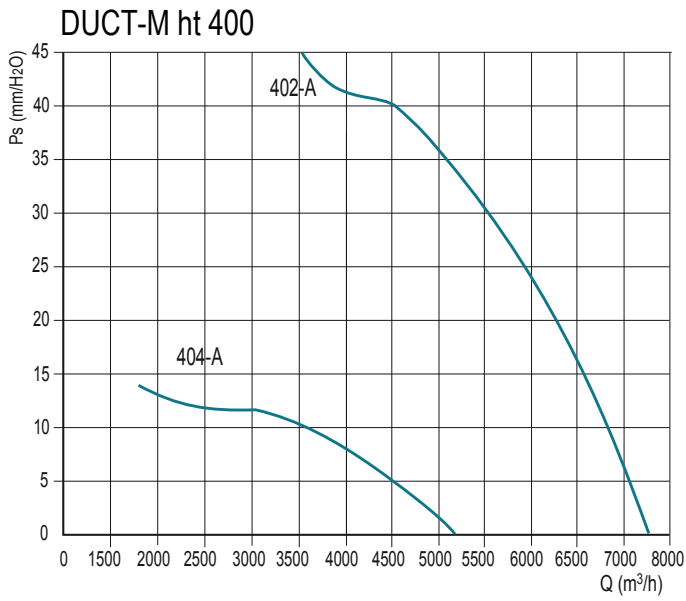
Type	Flow rate [m³/h]	Technical specifications			Mot [H]	Sound pressure [dB(A)]
		Power [kW]	Max. current [A]			
2 poles (3000 rpm) - three-phase (3Ph-400V 50 Hz)						
402/A T	7600	1.1	2.6		80	79
4 poles (1500 rpm) - three-phase (3Ph-400V 50 Hz)						
404/A T	5000	0.55	1.5		80	62
454/A T	7500	0.55	1.5		80	66
504/A T	8500	0.55	1.5		80	69
504/B T	10500	0.75	2		80	70
564/A T	11250	0.75	2		80	71
564/B T	12500	1.1	2.5		90	72
634/A T	15000	1.1	2.5		90	76
634/B T	17000	2.2	4.6		100	76
714/A T	20000	2.2	4.6		100	77
714/B T	21500	3	6.5		100	79
804/A T	24000	3	6.5		100	78
804/B T	29000	4	8.2		112	79
804/C T	35000	5.5	11		132	80
904/A T	38000	5.5	11		132	85
904/B T	43000	7.5	15		132	86
904/C T	47000	7.5	15		132	86
1004/A T	41000	5.5	11		132	88
1004/B T	50000	7.5	15		132	89
1004/C T	59000	11	21		160	89
6 poles (1000 rpm) - three-phase (3Ph-400V 50 Hz)						
506/A T	6000	0.55	1.7		80	58
566/A T	7900	0.55	1.7		80	62
636/A T	10500	0.55	1.7		80	63
636/B T	12700	0.75	2.2		90	65
716/A T	15000	0.75	2.2		90	65
716/B T	16500	1.1	3		90	66
806/A T	16000	0.75	2.2		90	68
806/B T	19000	1.1	3		90	69
806/C T	22500	1.5	4		100	69
906/A T	25000	1.5	4		100	75
906/B T	29000	2.2	5		112	75
906/C T	32000	2.2	5		112	75
1006/A T	27000	1.5	4		100	79
1006/B T	33000	2.2	5		112	79
1006/C T	41000	3	7		132	80
1126/A T	36000	3	7		132	82
1126/B T	45000	4	9		132	83
1126/C T	54000	5.5	12		132	83
1256/A T	46000	5.5	12		132	86
1256/B T	57000	7.5	15		160	87
1256/C T	69000	11	22		160	88

Sound pressure level is measured in free field at 3 m from the fan, in any direction, with ducted inlet and outlet.



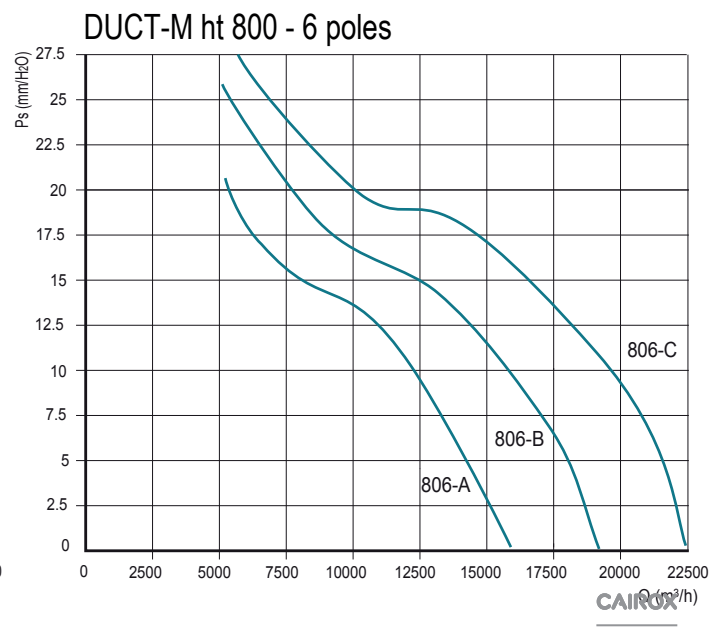
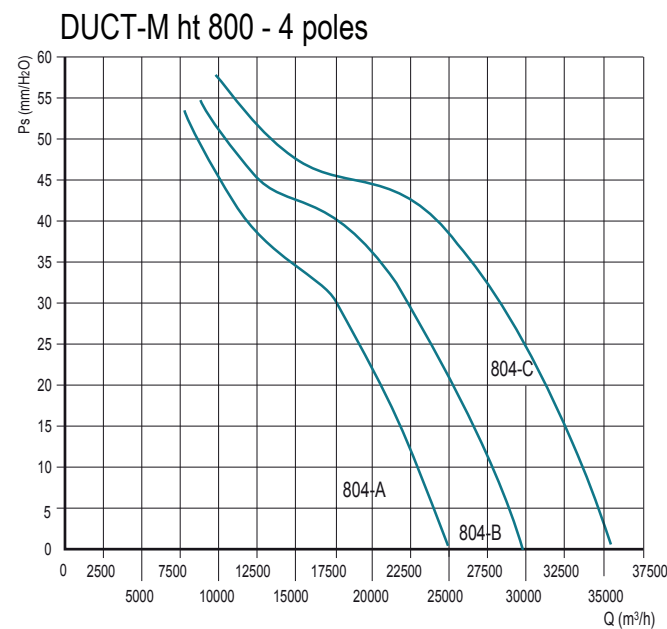
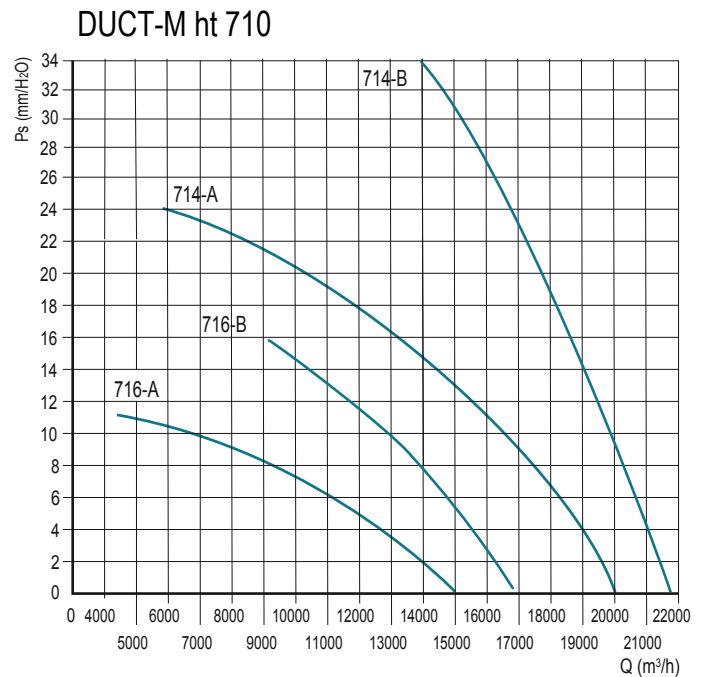
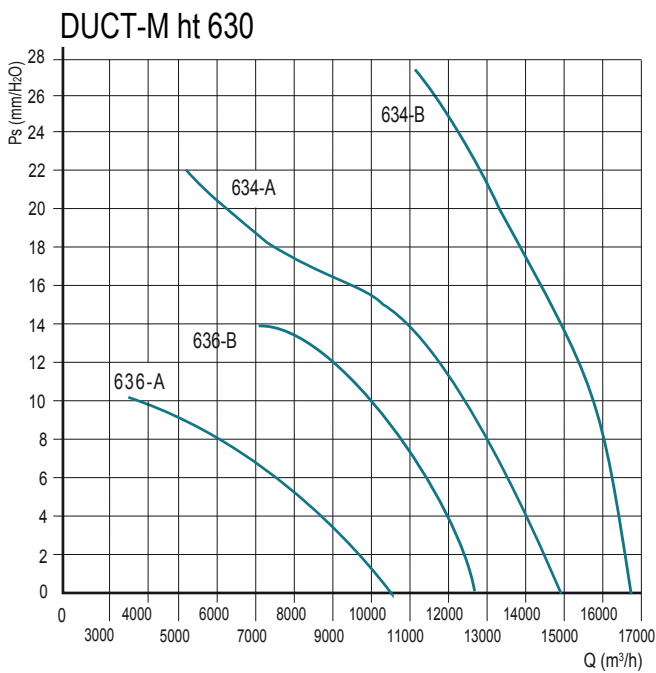
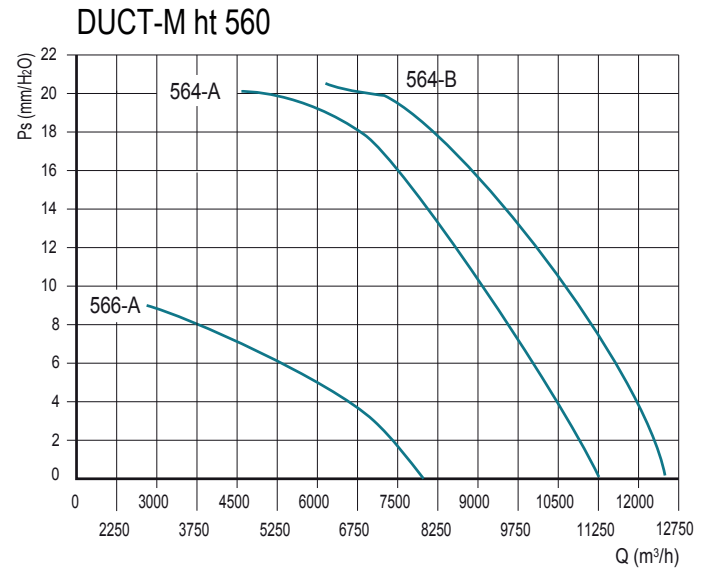
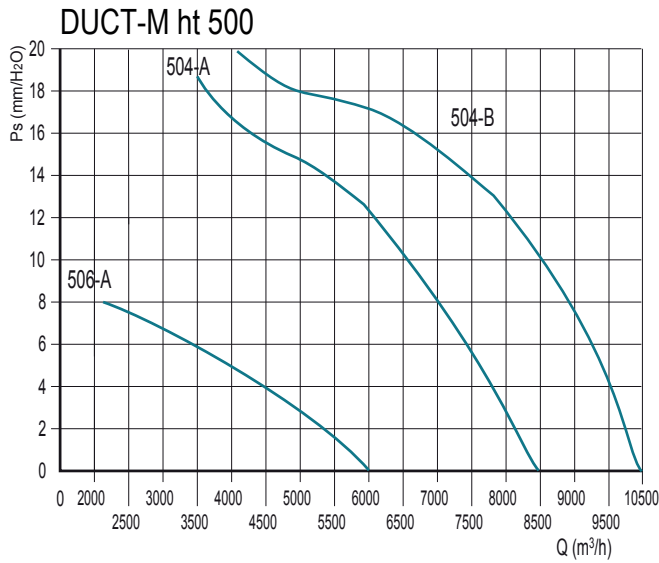
	Dimensions											
	ØA [mm]	B [mm]	B1 [mm]	B2 [mm]	C [mm]	ØD	E [mm]	F [mm]	G [mm]	Kg (Ms)	Kg (Mm)	Kg (Ml)
31	310	260	260	400	355	390	250/380	8	10	13/18	13/18	13/18
35	360	260	260	400	395	430	250/380	8	10	14/19	14/19	-
40	410	260	260	400	450	490	300/390	8	12	16/27	16/27	19/30
45	460	260	260	450	500	540	350/430	8	12	23/33	23/33	26/36
50	510	260	260	450	560	595	350/440	12	12	25/40	25/40	29/44
56	570	260	260	450	620	655	350/440	12	12	28/45	28/45	34/51
63	640	260	350	500	690	725	400/490	12	12	34/56	37/59	41/63
71	710	260	350	600	770	805	400/560	16	12	41/92	44/95	53/104
80	810	350	450	600	860	900	450/590	16	12	50/120	54/124	60/134
90	910	350	450	700	970	1010	450/690	16	16	80/197	87/204	105/222
100	1010	350	560	800	1070	1110	550/750	16	16	92/235	107/250	123/266
112	1130	350	560	800	1190	1230	550/750	20	16	120/289	136/295	157/317
125	1260	350	560	800	1320	1360	550/780	20	16	150/310	169/329	192/352

### Selection curves



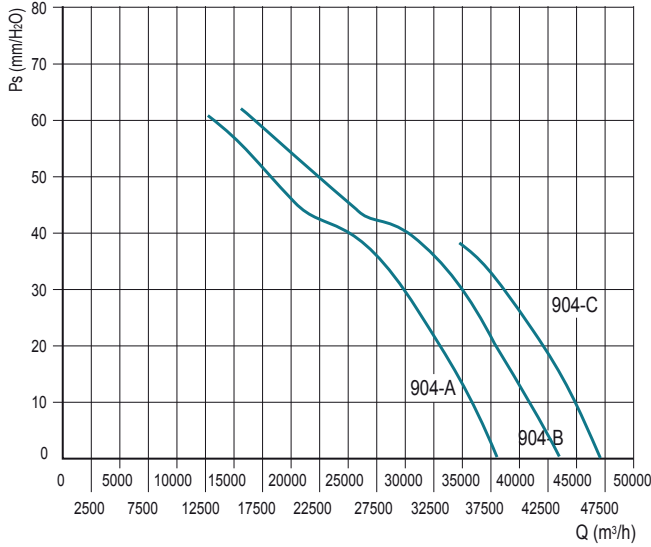


**Selection curves**

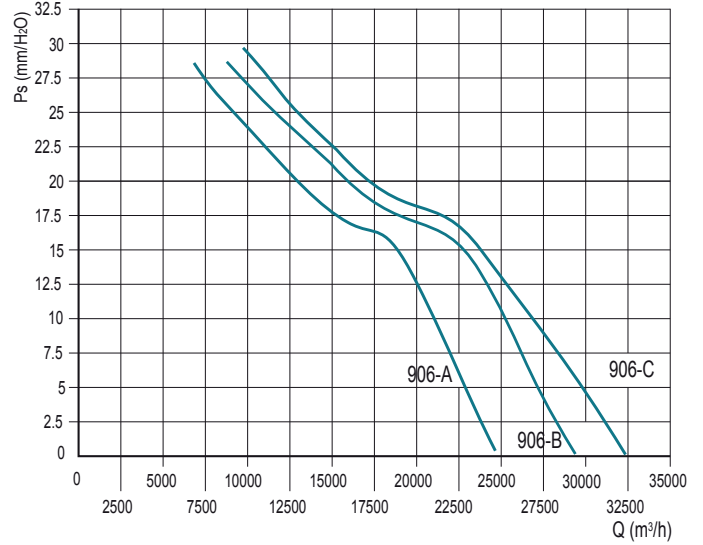


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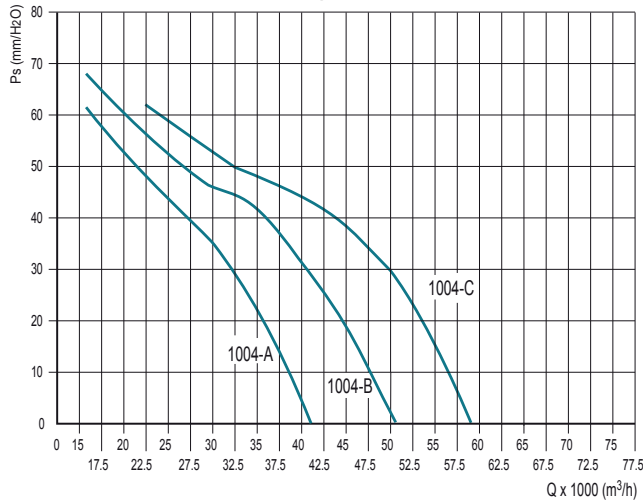
DUCT-M ht 900 - 4 poles



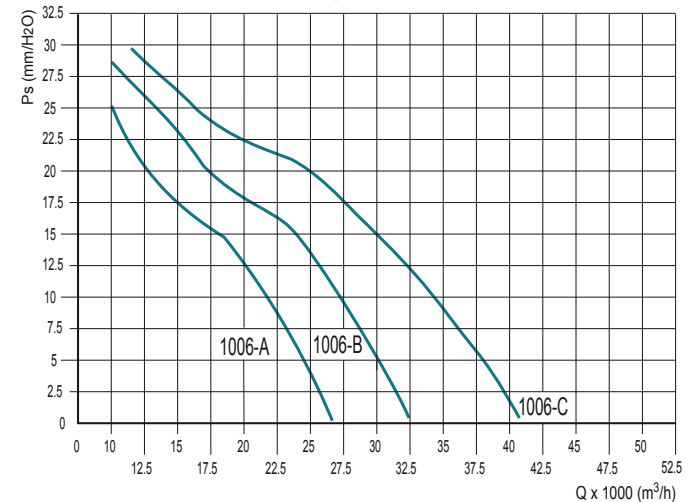
DUCT-M ht 900 - 6 poles



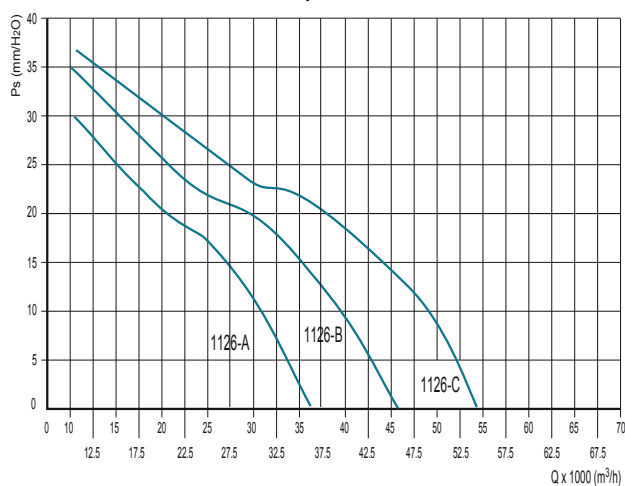
DUCT-M ht 1000 - 4 poles



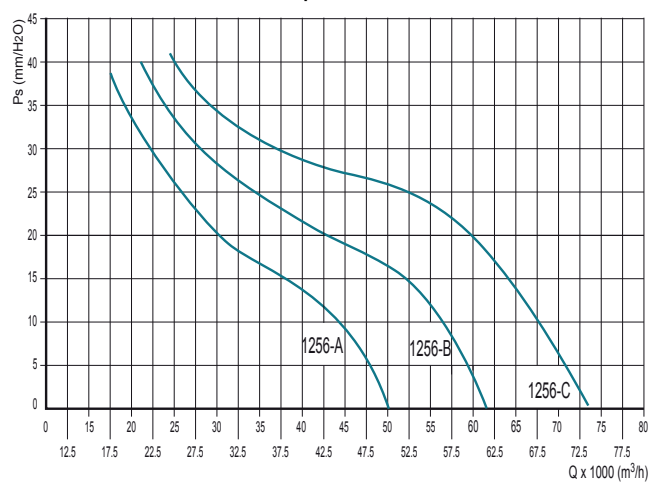
DUCT-M ht 1000 - 6 poles



DUCT-M ht 1120 - 6 poles

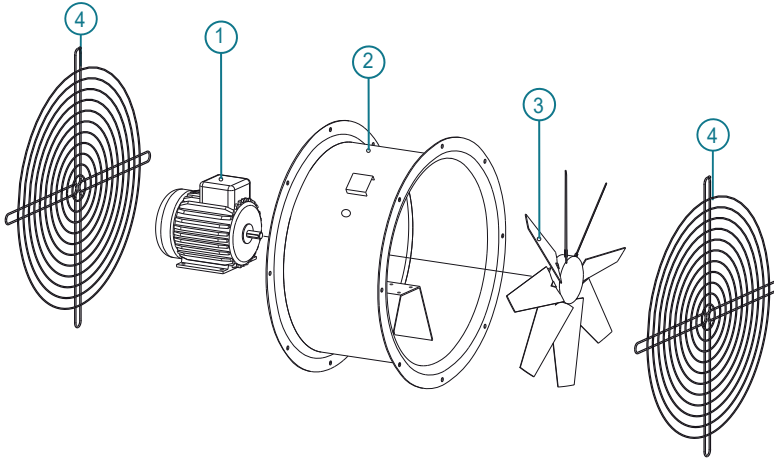


DUCT M ht 1250 - 6 poles



Smoke venting  
fans

- Performances related to F200 and F300 versions
- Performance shown in the selection curves refer to air at 15°C temperature and 0 metres above sea level altitude and they were obtained in installation type D with no grid nor accessories
- 1 mm H<sub>2</sub>O = 9,8 Pa



- 1 - Motor
- 2 - Casing
- 3 - Impeller
- 4 - Grid (mandatory for free air)