

HEATMASTER F400 SERIES

Radial Discharge Roof Centrifugal Vacuum Cleaners,
"dual use" type.



4

Ideal for condominiums, gyms, offices, theatres, discotheques and industrial warehouses. They guarantee the correct ventilation of the rooms served, air treatment up to 120°C, and, in the case of fires, they ensure the correct extraction of hot fumes in accordance with current safety regulations.

The range consists of **21 models**, driven by single-phase and three-phase motors with 2, 4 and 6 poles, as well as double polarity versions (Dahlander motors), with a maximum flow rate between 2,500 m³/h and 22,550 m³/h.

Centrifugal fans with reverse blades, to maximise efficiency, driven by asynchronous motors with single-phase or three-phase power supply, at one or two speeds (Dahlander).

Certifications

Electromagnetic compatibility standards:

- EN 55014-1
- EN 55014-2
- EN 61000-3-2
- EN 61000-3-3

Safety regulations

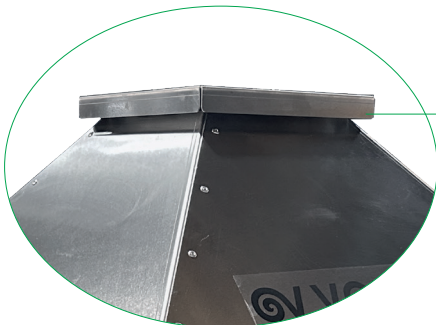
- EN 60335-2-80
- Standard on the degree of protection of enclosures for electrical equipment (CEI EN 60529/1997)
- Standard on Smoke and Heat Control Systems (12101-3:2015)

European directives and regulations for CE marking

- Machinery Directive (2006/42/CE)
- Compatibility Directive (2004/30/CE)
- RED Directive (2014/30/CE)
- Ecodesign Directive (2009/125/EC)
- Electric Motors Regulation (2019/1781/EU)
- Fan adjustment
- Ventilation Unit Regulation (2014/1253/EU)
- Construction Products Regulation (3025/2011/EU)



CONSTRUCTION FEATURES

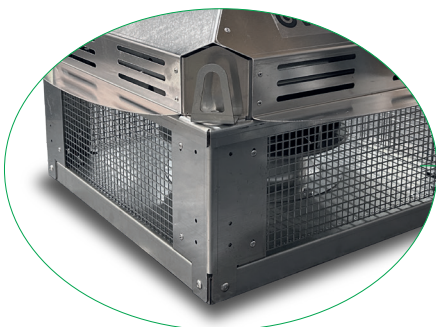
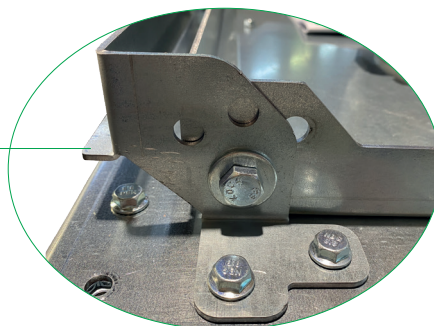


Aluminium covers

Easily removable, thanks to their light weight, they are resistant to corrosion, impacts, high temperatures and the action of atmospheric agents. They are characterised by their shape, optimised to avoid the entry of rain into the underlying duct, even in the presence of strong storms.

Pair of hinges

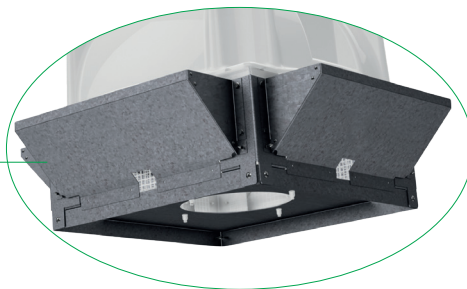
It allows the fan support plate to be tilted, to facilitate inspection and maintenance interventions.



Anti-bird grid

KV HEATMASTER kit

Made of aluminium, it allows the vertical discharge of the treated flow, avoiding ingestion in case of installation near building openings.



- Galvanised steel sheet structure, integrating the anti-bird grid.
- **High-efficiency centrifugal impellers** reverse blade type, self-cleaning, in galvanised steel sheet.
- **High-efficiency AC motors**, compliant with Reg. Ecodesign 2019/1781 to minimise consumption, with shafts mounted on ball bearings to increase durability. The degree of protection is IP55, the insulation class F.
- **Single-phase** power supply (230V / 50Hz) for **M** versions, **three-phase** (230-400V / 50Hz or 400-690V / 50Hz depending on the size, for **T** models at one speed, 400V / 50Hz for dual polarity versions).
- Operating temperatures between -25°C and +60°C; maximum temperature of the treated air (continuous operation, service S1) 80°C (120°C on request). Maximum temperature 400°C for 2h (S2 service).
- Electrical insulation class I (earthing required).

HEATMASTER F400
Radial Discharge Dual Use Rooftop Centrifugal Vacuum Cleaners

Technical data

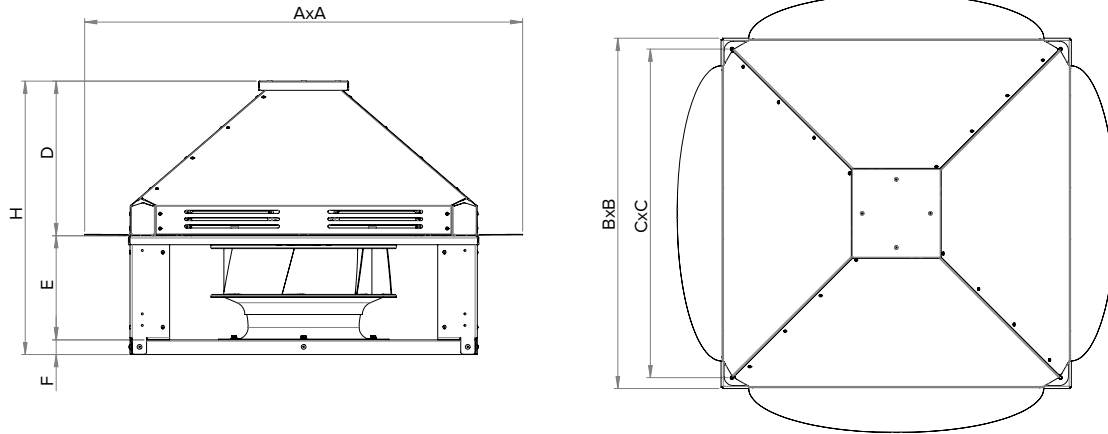
PRODUCTS	CODE	Ø nominal	Hz	C	m³/h	W	Max. continuous op. temp. (°C)/air	I	KG
HEATMASTER F400 315 T2 1.5KW	15260	315	50	400	5,250	1,540	80	IP55	36
HEATMASTER F400 315 M4 0.25KW	15301	315	50	230	2,580	290	80	IP55	35.5
HEATMASTER F400 315 T4 0.25KW	15261	315	50	400	2,590	220	80	IP55	35.5
HEATMASTER F400 355 M4 0.25KW	15302	355	50	230	3,610	400	80	IP55	41
HEATMASTER F400 355 T4 0.25KW	15262	355	50	400	3,610	330	80	IP55	41
HEATMASTER F400 400 M4 0.55KW	15303	400	50	230	5,340	620	80	IP55	45
HEATMASTER F400 400 T4 0.55KW	15263	400	50	400	7,870	560	80	IP55	45
HEATMASTER F400 450 T4 1.1KW	15264	450	50	400	7,870	1,120	80	IP55	85
HEATMASTER F400 500 T4 1.5KW	15265	500	50	400	10,430	1,840	80	IP55	96
HEATMASTER F400 500 T6 0.55KW	15268	500	50	400	6,850	580	80	IP55	95
HEATMASTER F400 560 T4 3KW	15266	560	50	400	15,040	3,200	80	IP55	104
HEATMASTER F400 560 T6 1.1KW	15269	560	50	400	10,020	1,060	80	IP55	103
HEATMASTER F400 630 T4 5.5KW	15267	630	50	680	22,550	6,100	80	IP55	140
HEATMASTER F400 630 T6 1.5KW	15270	630	50	400	14,820	1,780	80	IP55	130
HEATMASTER F400 315 T4/T8 0.25/0.03KW	15304	315	50	400	2,590	220	80	IP55	35.5
HEATMASTER F400 355 T4/T8 0.25/0.03KW	15305	355	50	400	3,610	330	80	IP55	41
HEATMASTER F400 400 T4/T8 0.75/0.12KW	15306	400	50	400	5,340	560	80	IP55	45
HEATMASTER F400 450 T4/T8 1.1/0.18KW	15307	450	50	400	7,870	1,120	80	IP55	85
HEATMASTER F400 500 T4/T8 1.5/0.25KW	15308	500	50	400	10,430	1,840	80	IP55	96
HEATMASTER F400 560 T4/T8 3/0.55KW	15309	560	50	400	15,040	3,200	80	IP55	104
HEATMASTER F400 630 T4/T8 5.5/1.1KW	15310	630	50	400	22,550	6,100	80	IP55	140

* For the exact working point, refer to the curves shown on page 10

** 120°C on request.

HEATMASTER F400
Radial Discharge Dual Use Rooftop Centrifugal Vacuum Cleaners

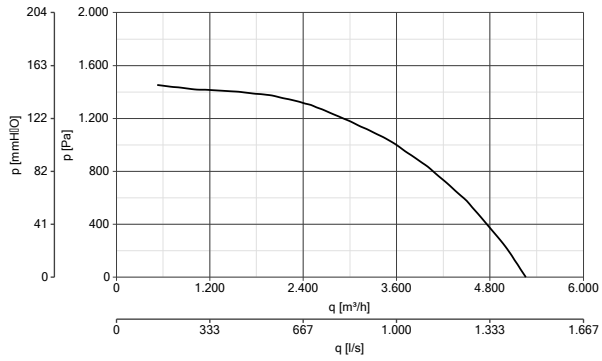
Dimensions



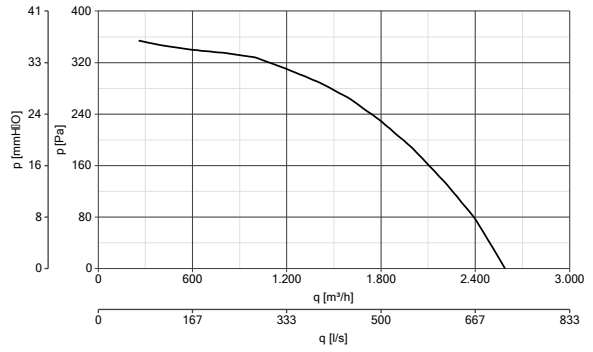
PRODUCTS	CODE	A	B	C	D	E	F	H	IMPELLER
HEATMASTER F400 315 T2 1.5KW	15260	755	610	550	325	210	40	575	315x90
HEATMASTER F400 315 T4 0.25KW	15261	755	610	550	325	210	40	575	315x90
HEATMASTER F400 355 T4 0.25KW	15262	848	680	620	350	232	40	623	355x100
HEATMASTER F400 400 T4 0.55KW	15263	848	680	620	350	255	40	646	400x112
HEATMASTER F400 450 T4 1.1KW	15264	1,193	954	895	420	284	40	755	450x125
HEATMASTER F400 500 T4 1.5KW	15265	1,193	954	895	420	312	47.5	781	500x140
HEATMASTER F400 560 T4 3KW	15266	1,193	954	895	420	350	47.5	818	560x160
HEATMASTER F400 630 T4 5.5KW	15267	1,312	1,054	995	420	393	47.5	862	630x180
HEATMASTER F400 500 T6 0.55KW	15268	1,193	954	895	420	312	47.5	781	500x140
HEATMASTER F400 560 T6 1.1KW	15269	1,193	954	895	420	350	47.5	818	560x160
HEATMASTER F400 630 T6 1.5KW	15270	1,312	1,054	995	420	393	47.5	862	630x180
HEATMASTER F400 315 M4 0.25KW	15301	755	610	550	325	210	40	575	315x90
HEATMASTER F400 355 M4 0.25KW	15302	848	680	620	350	232	40	623	355x100
HEATMASTER F400 400 M4 0.55KW	15303	848	680	620	350	255	40	646	400x112
HEATMASTER F400 315 T4/T8 0.25/0.03KW	15304	755	610	550	325	210	40	575	315x90
HEATMASTER F400 355 T4/T8 0.25/0.03KW	15305	848	680	620	350	232	40	623	355x100
HEATMASTER F400 400 T4/T8 0.55/0.12KW	15306	848	680	620	350	255	40	646	400x112
HEATMASTER F400 450 T4/T8 1.1/0.18KW	15307	1,193	954	895	420	284	40	755	450x125
HEATMASTER F400 500 T4/T8 1.5/0.25KW	15308	1,193	954	895	420	312	47.5	781	500x140
HEATMASTER F400 560 T4/T8 3/0.55KW	15309	1,193	954	895	420	350	47.5	818	560x160
HEATMASTER F400 630 T4/T8 5.5/1.1KW	15310	1,312	1,054	995	420	393	47.5	862	630x180

Performance and consumption

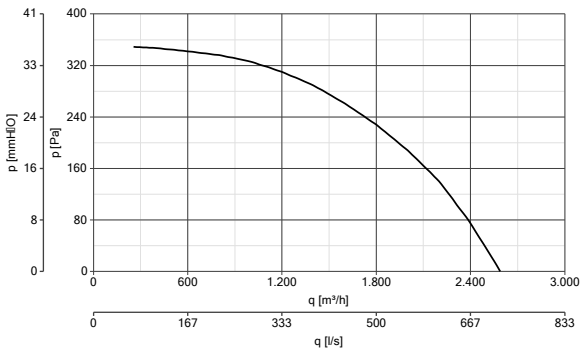
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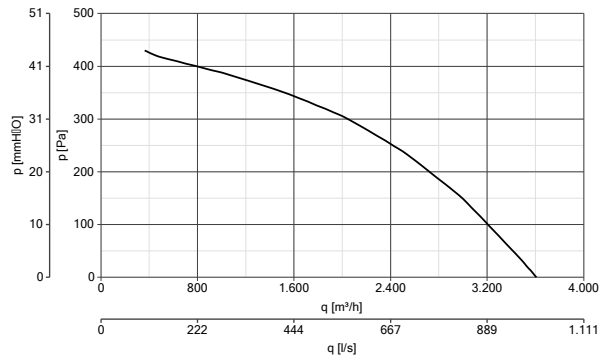
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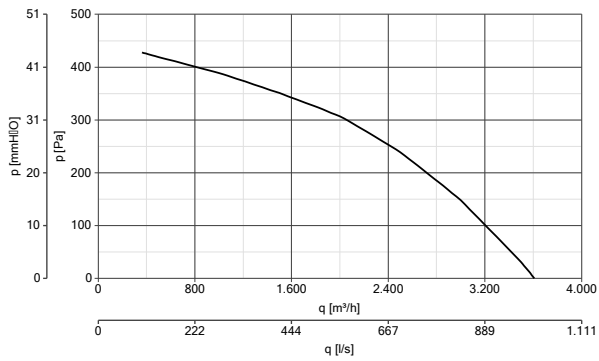
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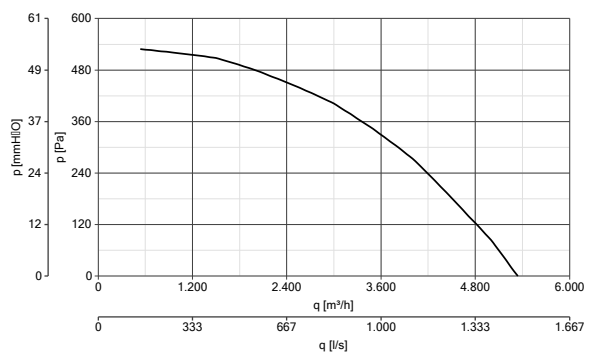
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HEATMASTER F400 355 T4 0.25KW
code 15262



HEATMASTER F400 400 M4 0.55KW
code 15303



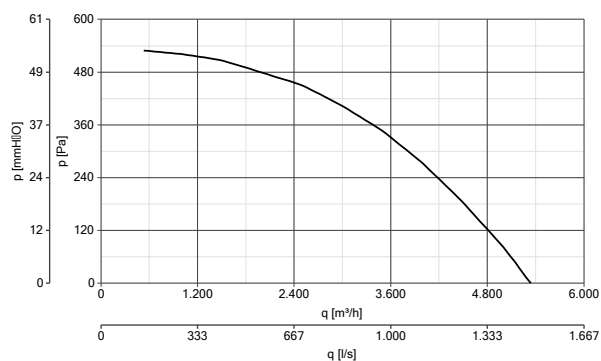
10

— 4 poles

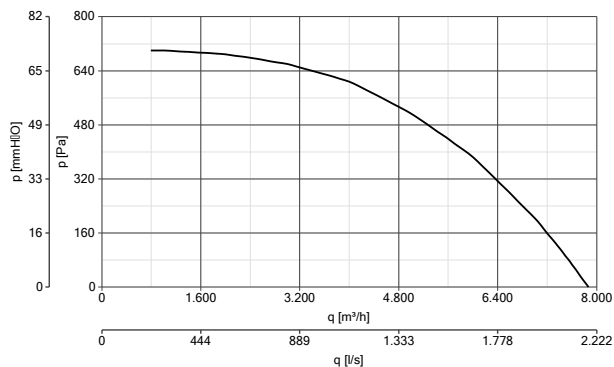


Performance and consumption

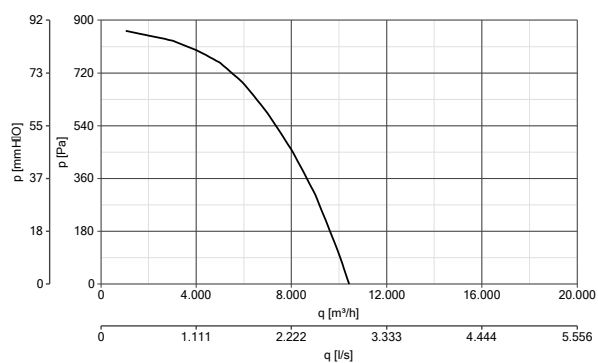
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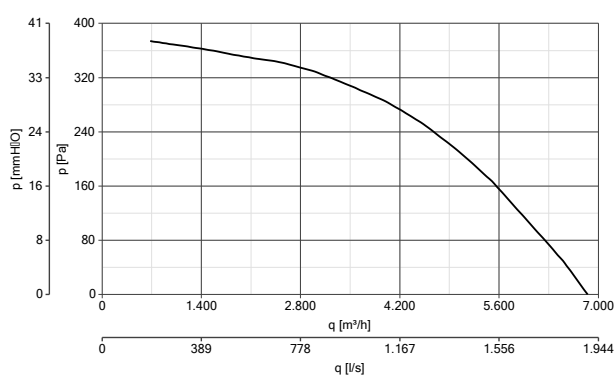
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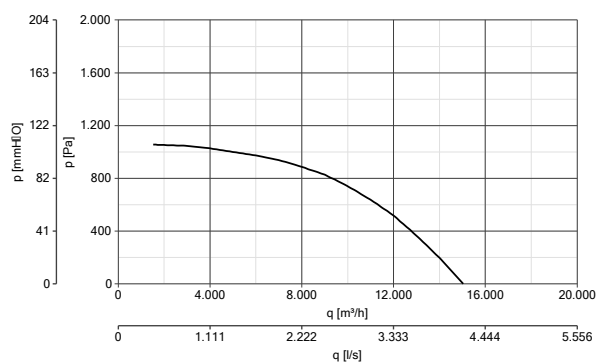
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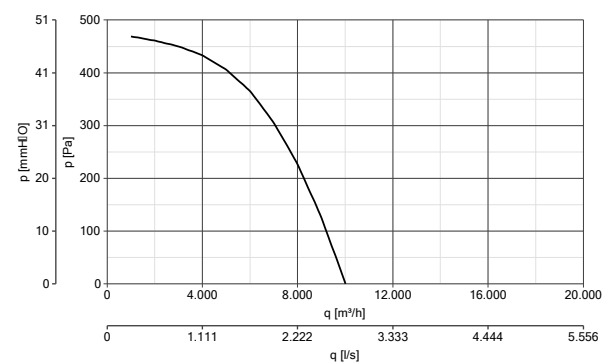
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HEATMASTER F400 560 T4 3KW
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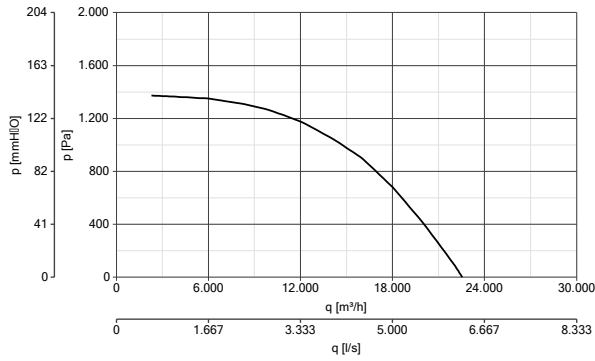
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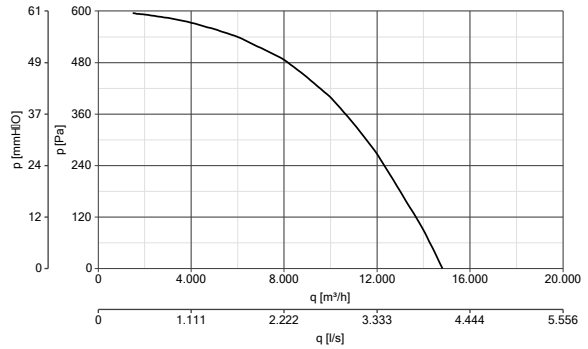
4 poles

Performance and consumption

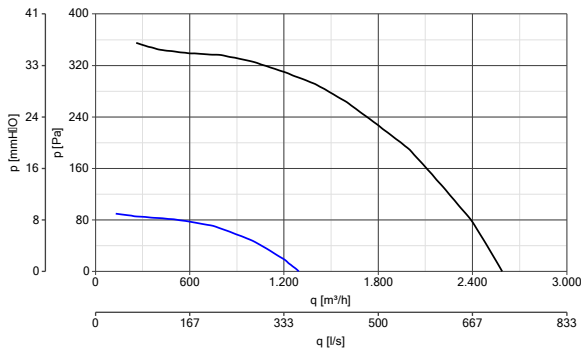
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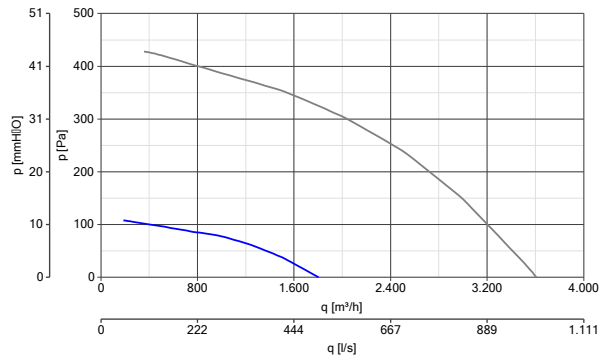
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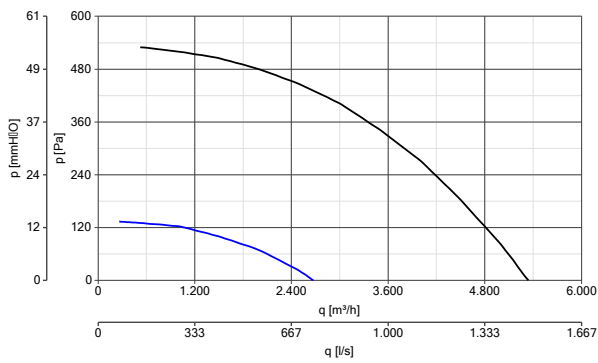
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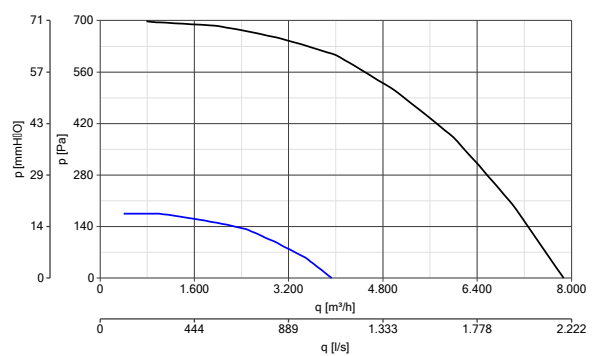
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HEATMASTER F400 400 T4/T8 0.75/0.12KW
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HEATMASTER F400 450 T4/T8 1.1/0.18KW
code 15307

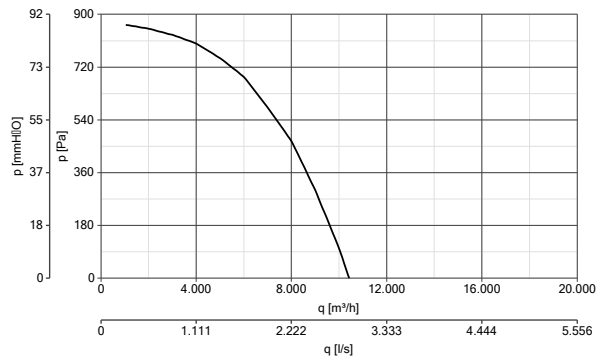


— 4 poles — 8 poles

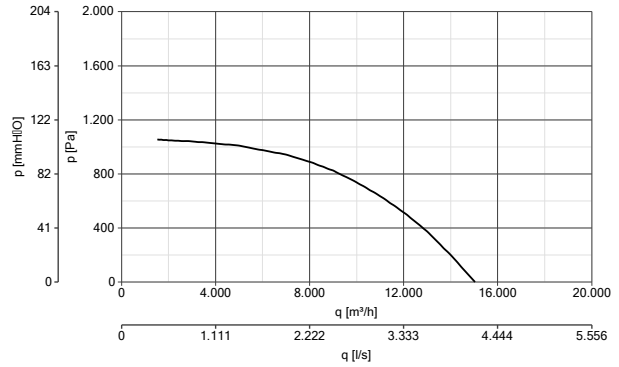


Performance and consumption

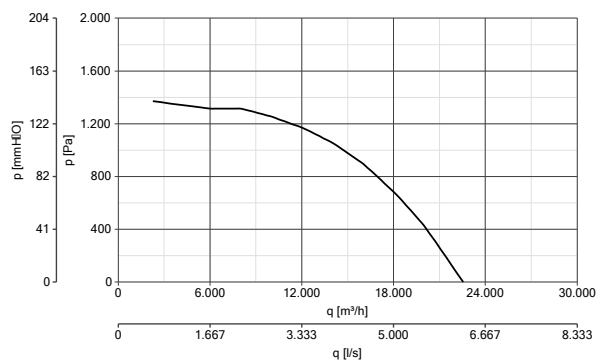
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code 15308



HEATMASTER F400 560 T4/T8 3/0.55KW
code 15309



HEATMASTER F400 630 T4/T8 5.5/1.1KW
code 15310



— 4 poles