サイドチャネルブロアー　Gシリーズ　カタログ
（インバーターモーター搭載型）

Elmo Rietschle
A Gardner Denver Product

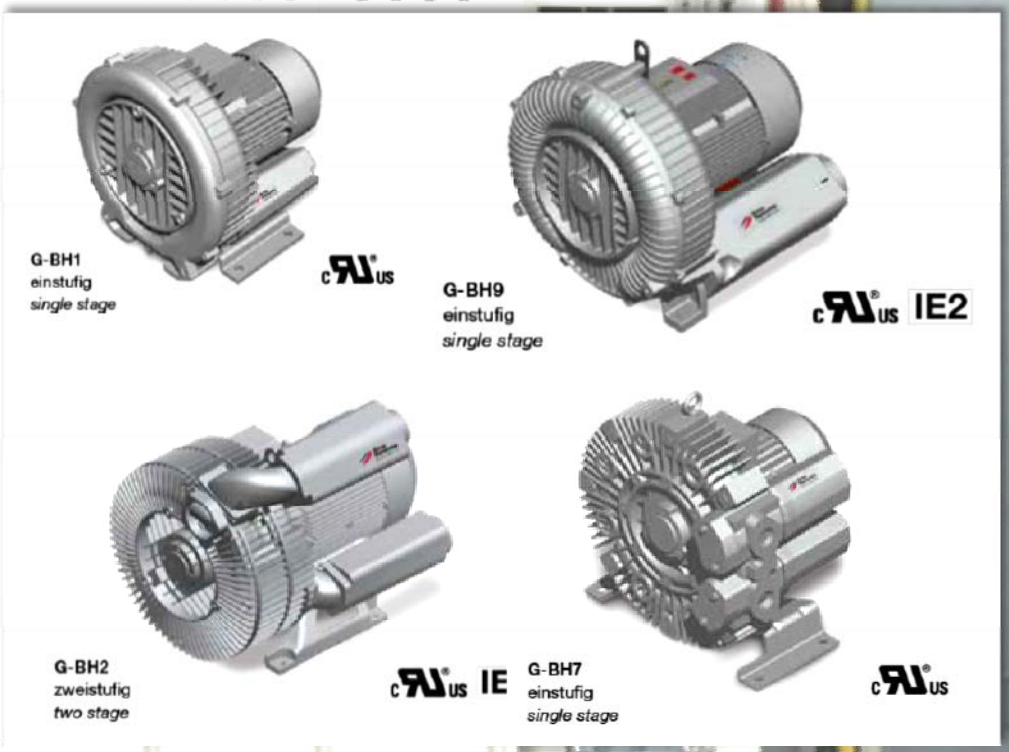
Frequenzumrichter
Frequency Converters

G-Serie
G-Series

Seitenkanal
Side Channel

サイドチャネルブロアー　（インバーターモーター搭載型）

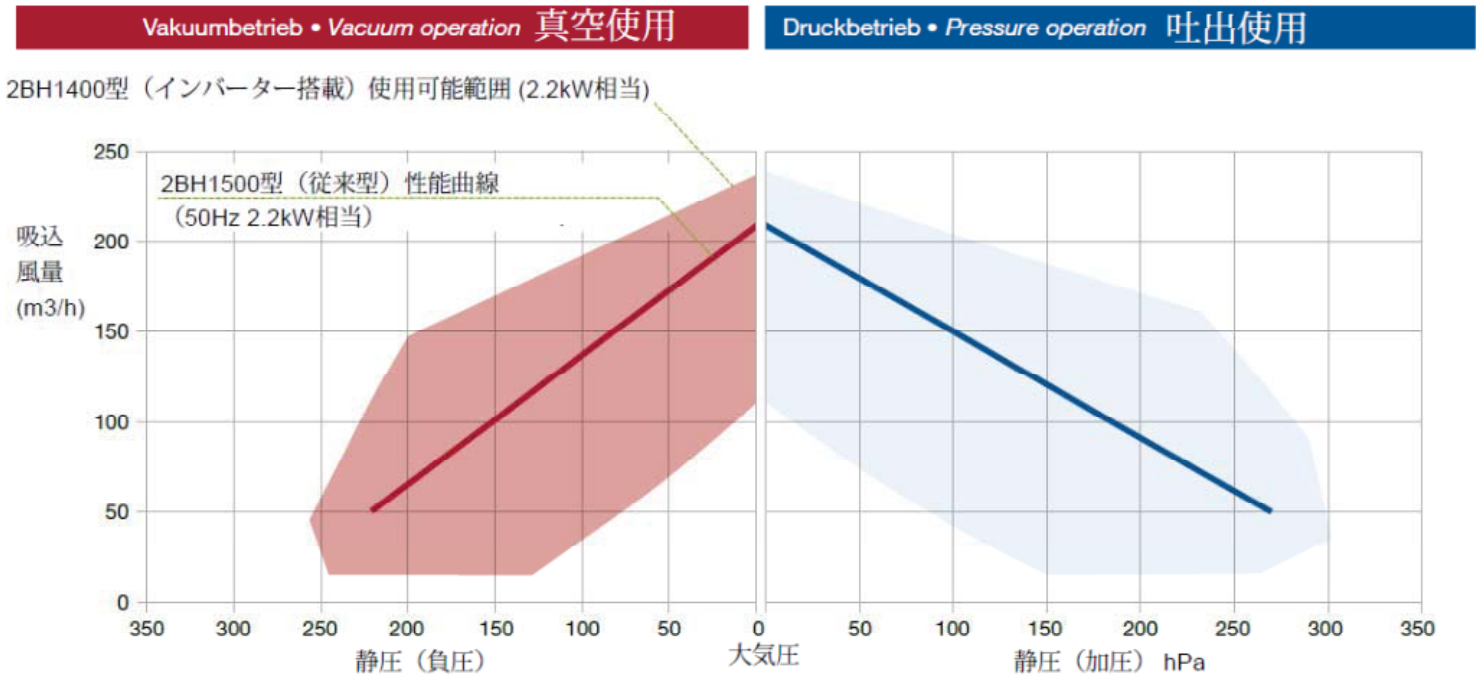
サイドチャネルブロアーは、1930年代に独シーメンス社の指導の下、原理が開発されました。　ガードナー・デンバー社では、モーターの加速技術を応用し、最大８７Hz（５０００回転/分）での運転が可能な製品を、ほとんどの機種にてシリーズ化しました。
これにより、約４５％から７４％ほど流量を増加でき、従来機種の1ランク下の機種で、同等性能以上をだせるようになります。
ご用途の機械・システムの軽量化・小型化、電気容量の削減にお役に立てるものと考えます。



サイドチャネルブロアーシリーズ
G-BH1 型・G-BH9 型・G-BH2 型・G-BH7 型

Elmo Rietschle

インバーター搭載型と従来型ブロアーの比較例



	2BH1400 型 (インバーターモーター搭載)	2BH1500 型　(従来型)
外形寸法（L x W x H / mm）	285 x 292 x 302 (25,132cm3)	334 x 345 x 337 (38,832cm3)
重量　（kg）	17	21
運転音　（dB(A)）	74	70
入力電圧	200V 87Hz (インバーター別置)	200V 50Hz / 60Hz
最大風量　（m3/h）	250	250
到達最大静圧（hPa）	△250 / + 300	△220 / +270

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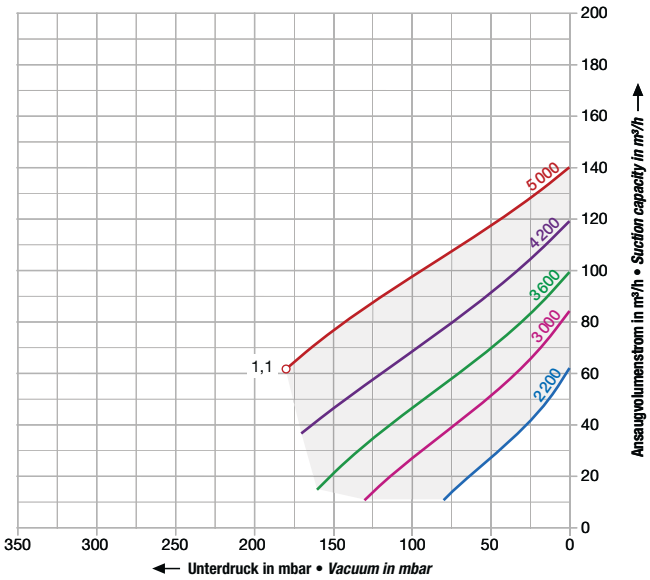
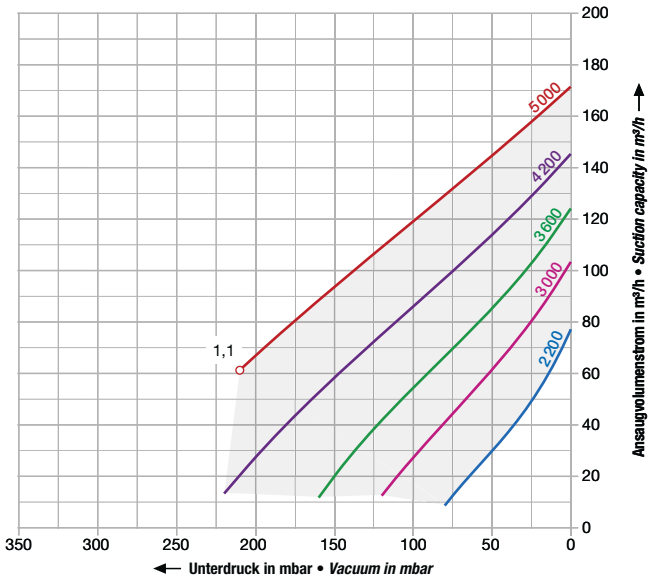
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

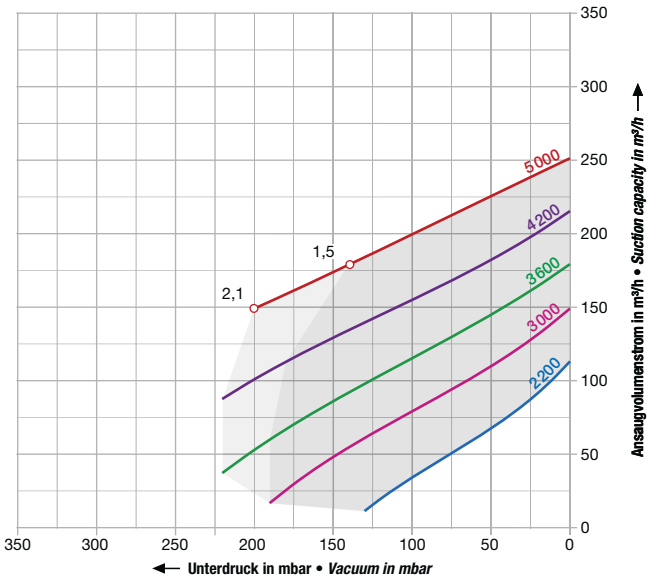
2BH1 300



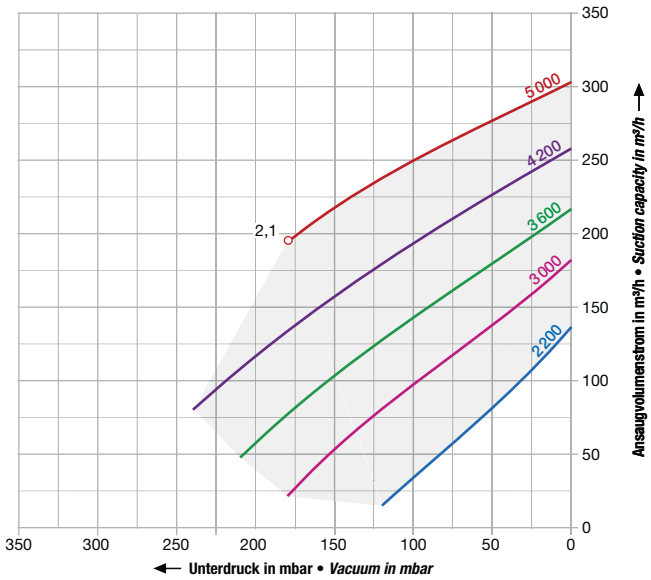
2BH1 330



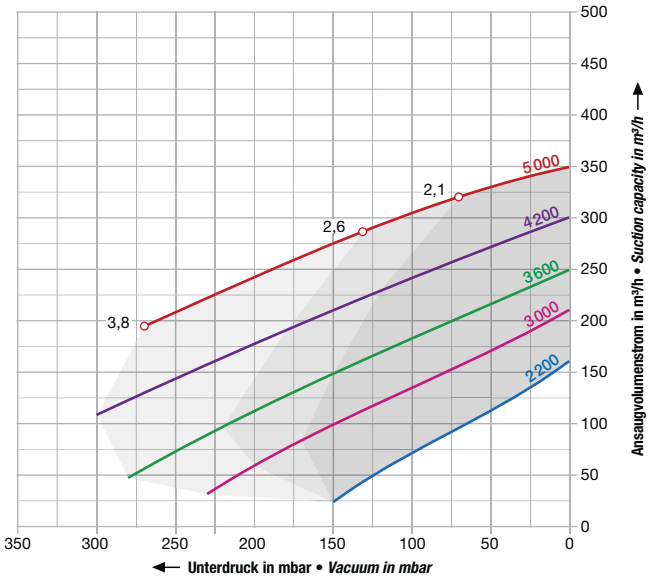
2BH1 400



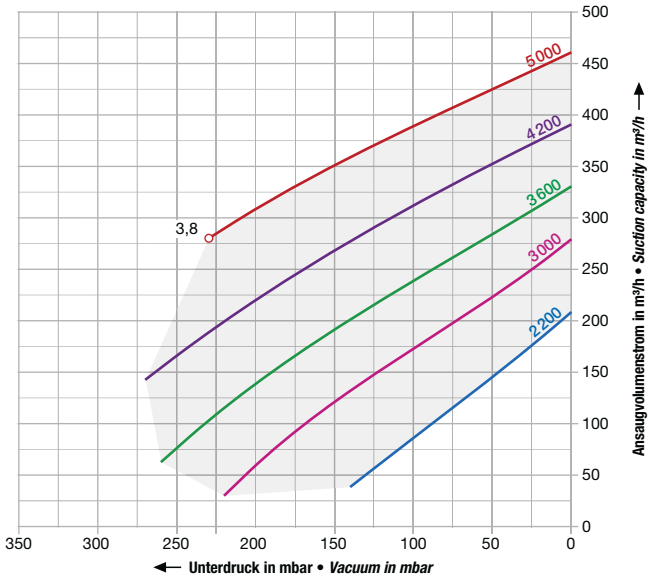
2BH1 430



2BH1 500



2BH1 530



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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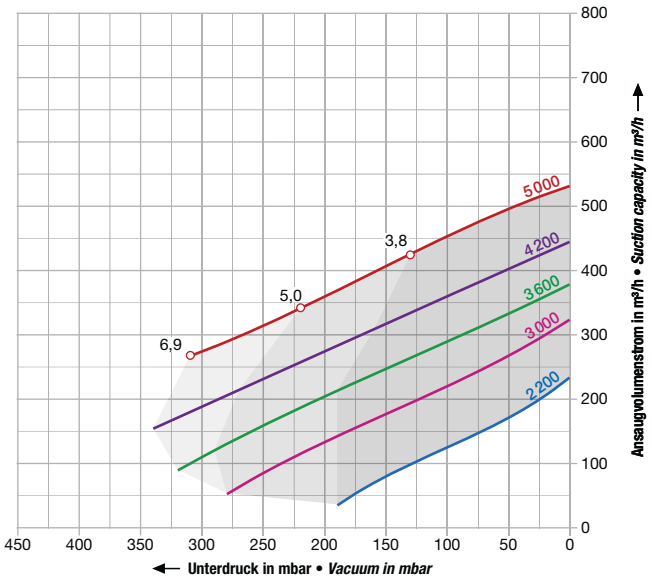
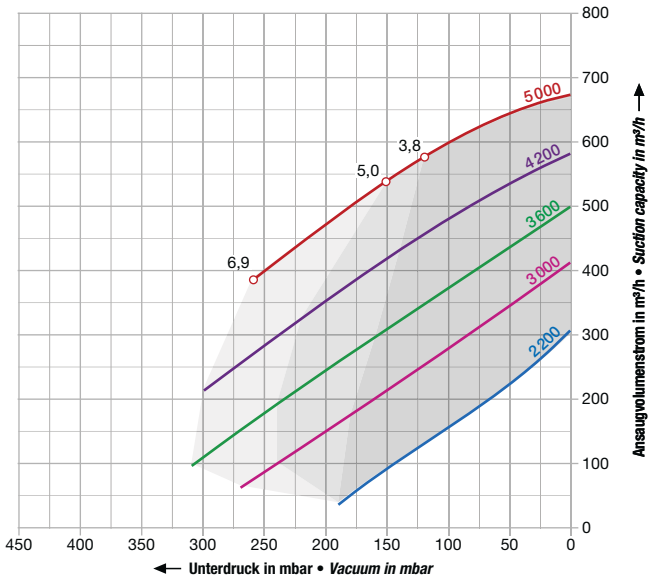
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

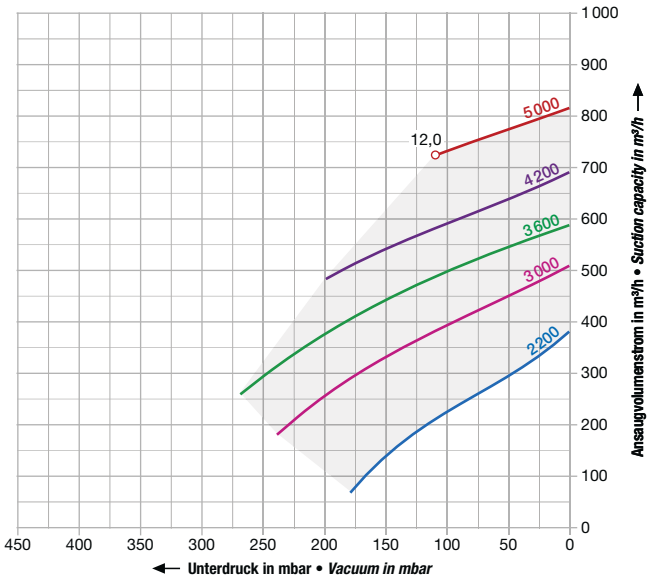
2BH1 600



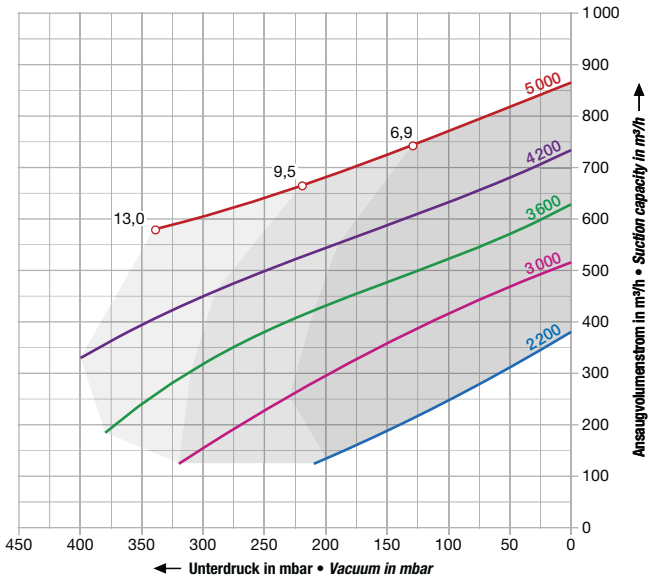
2BH1 630



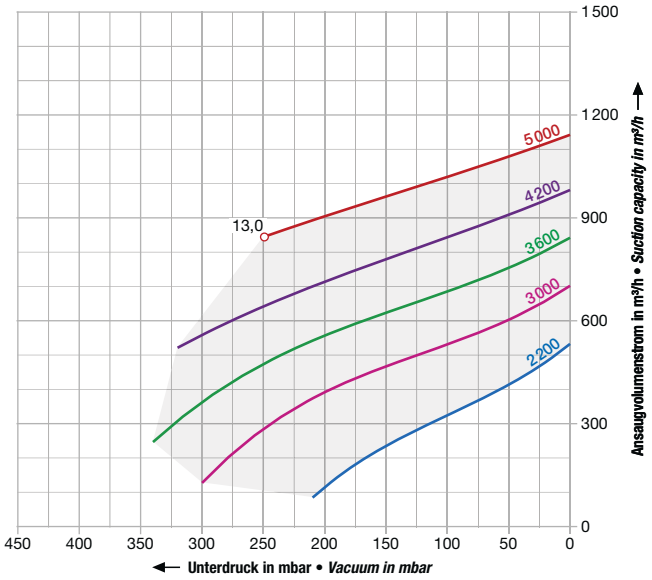
2BH1 640



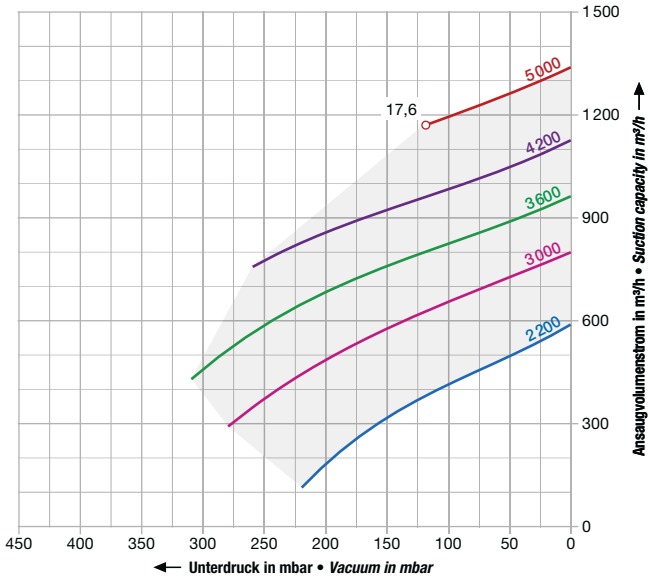
2BH1 800



2BH1 830



2BH1 840



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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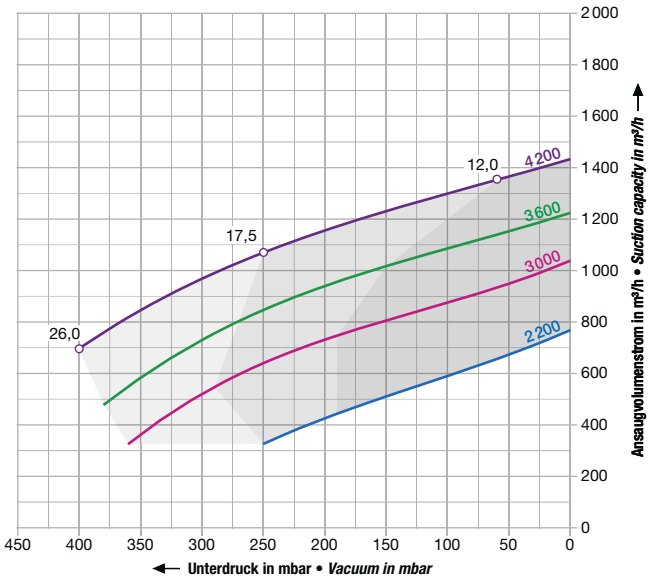
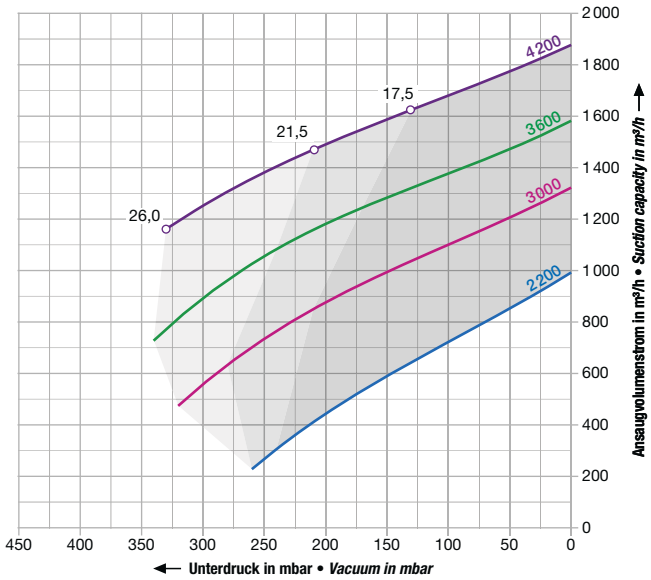
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

2BH1 900



2BH1 930



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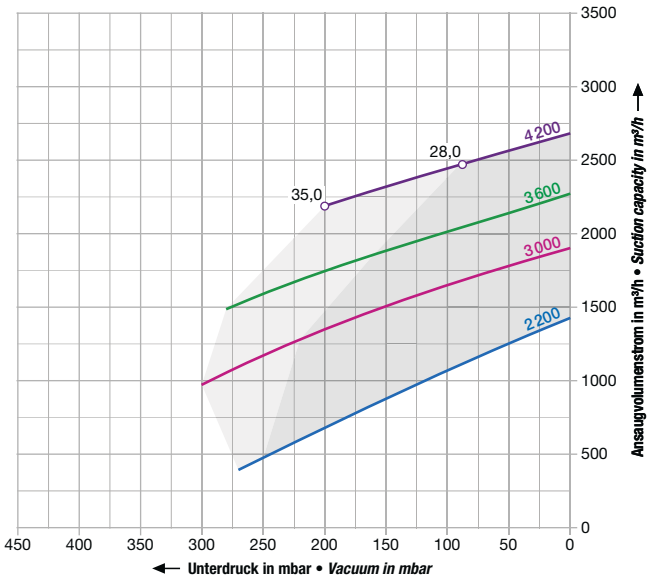
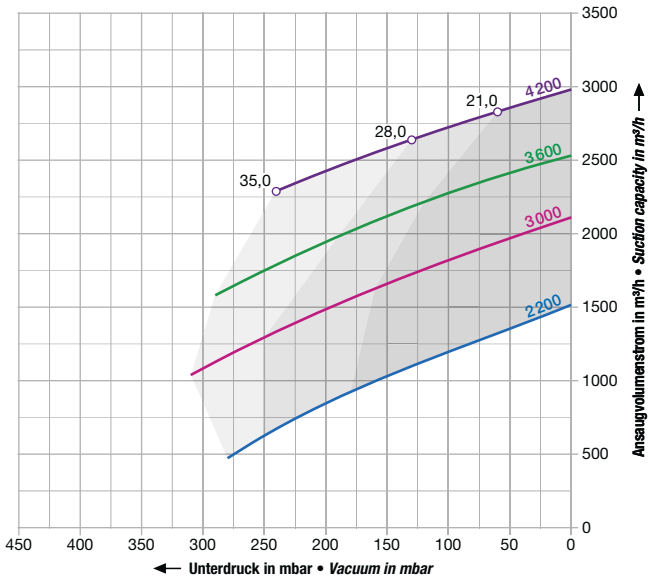
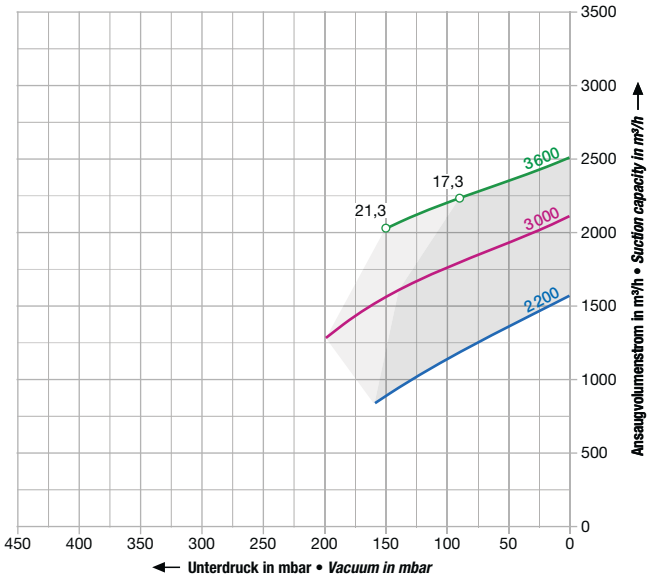


2BH1 943



2BH9 2300



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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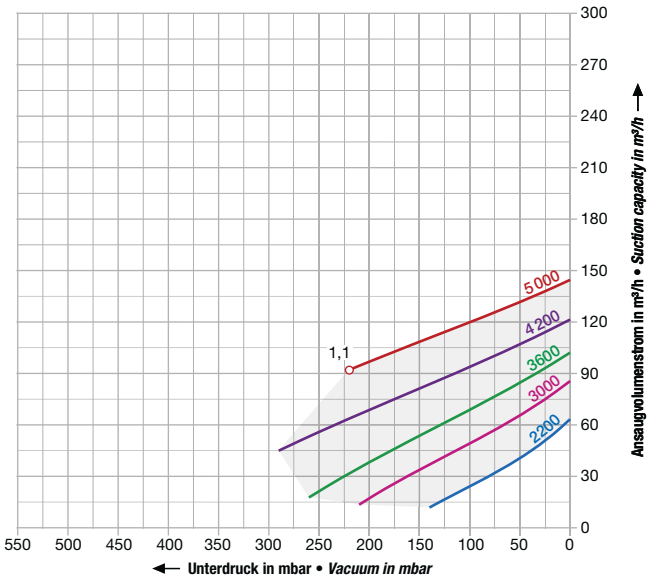
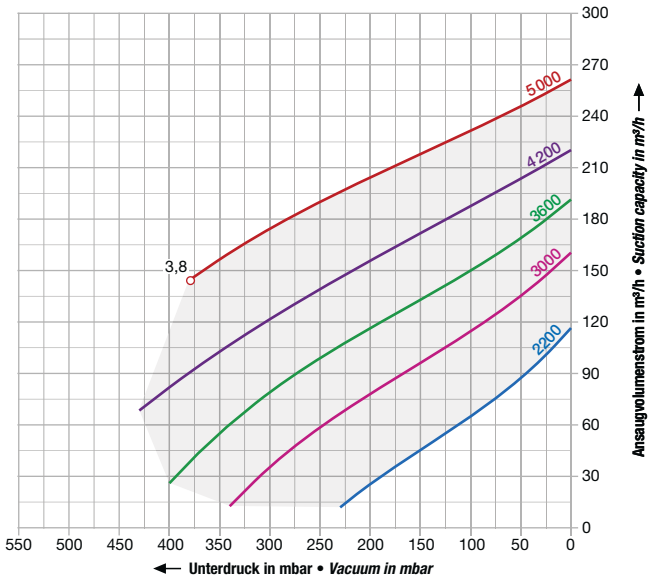
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

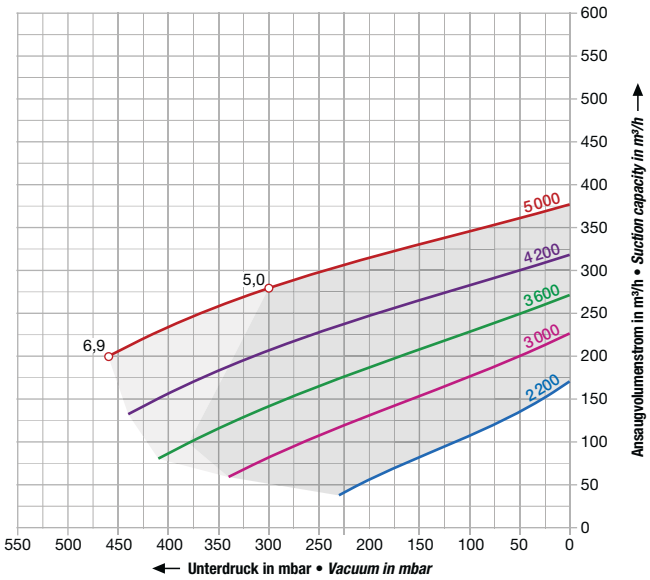
2BH1 310



2BH1 410



2BH1 510



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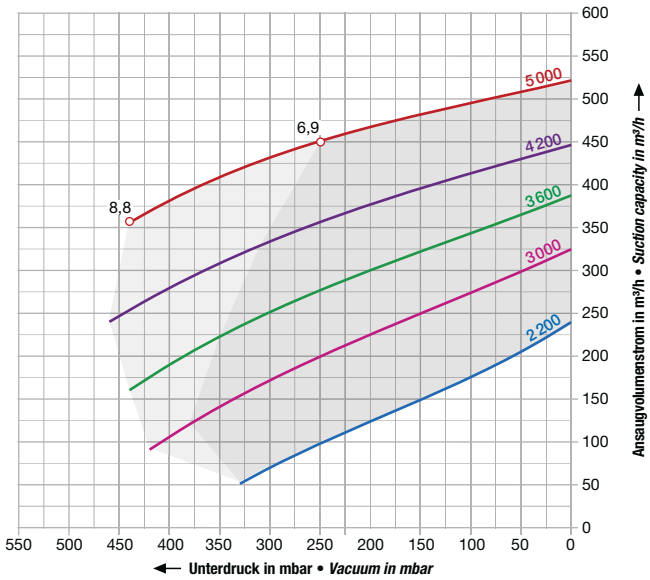
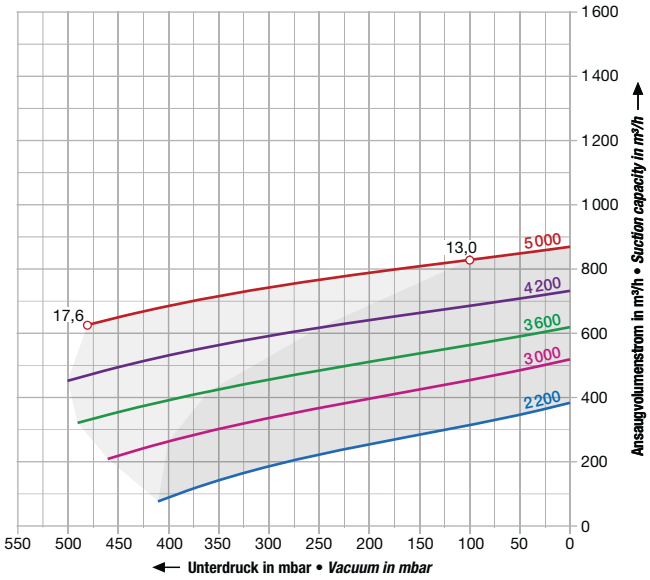
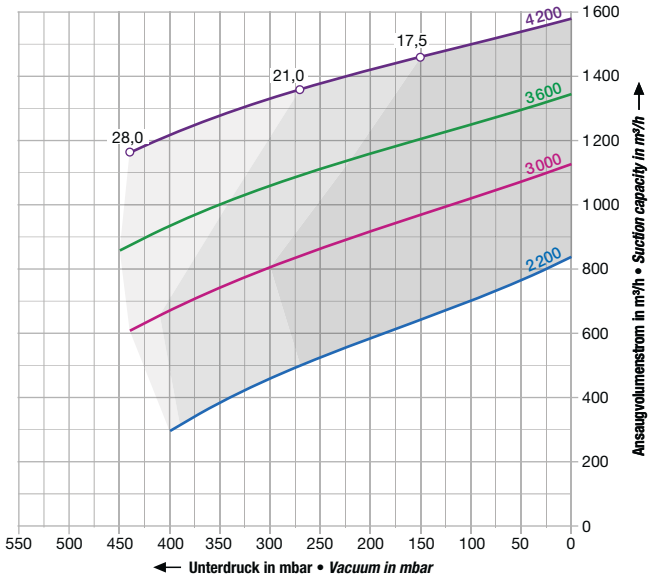


2BH1 810



2BH1 910



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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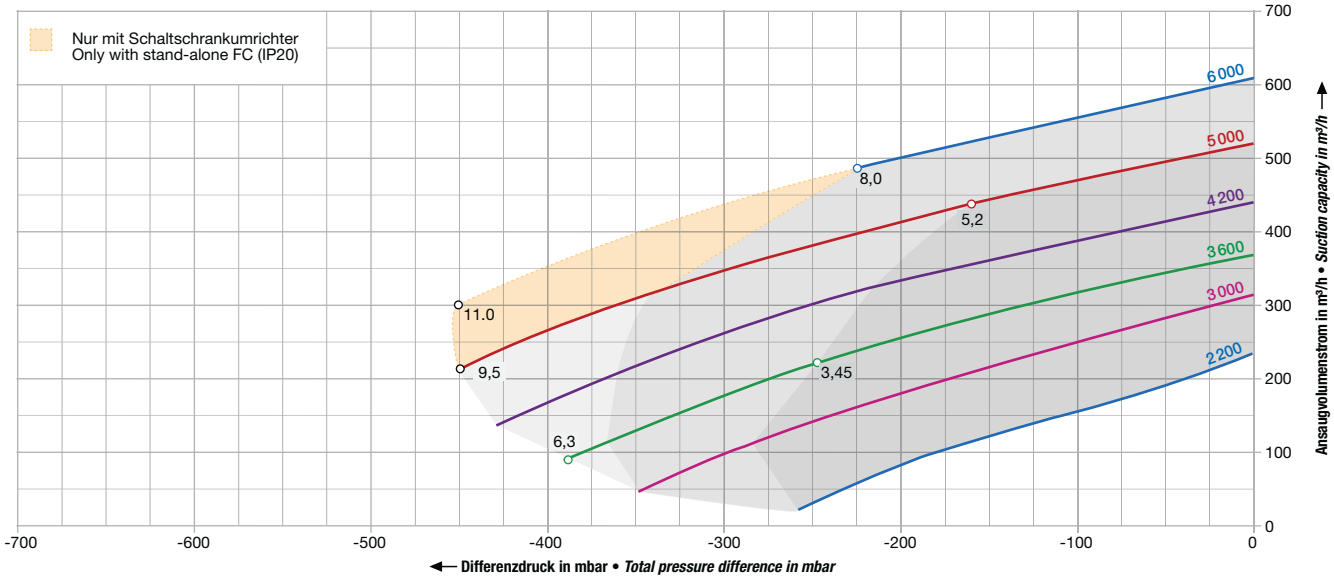
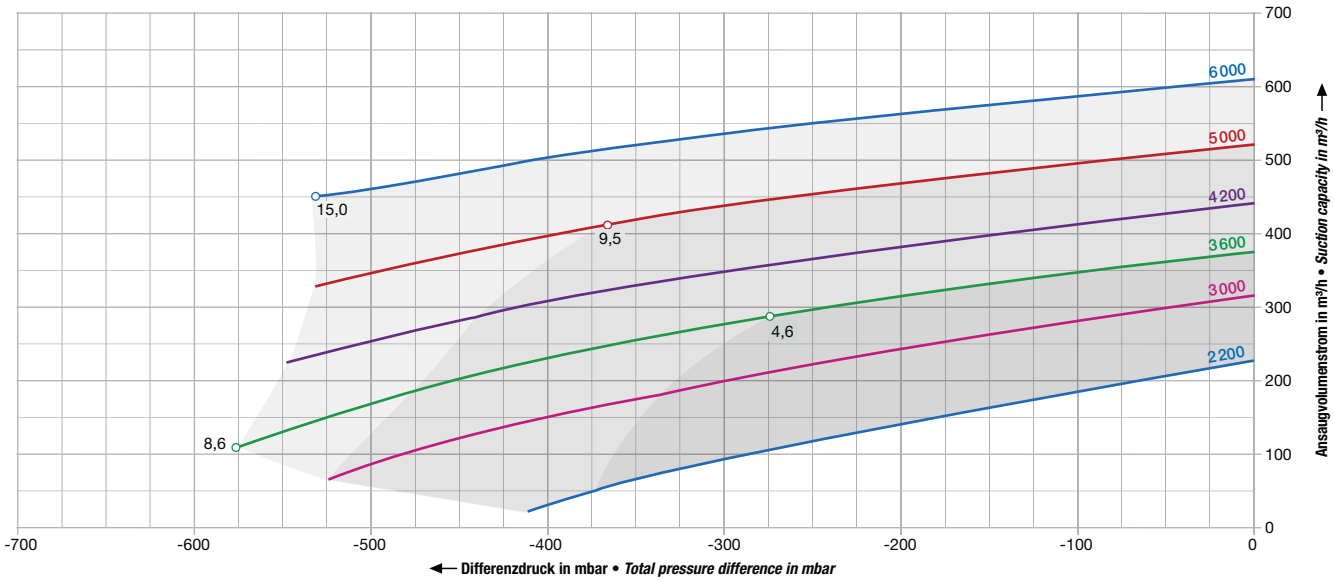
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

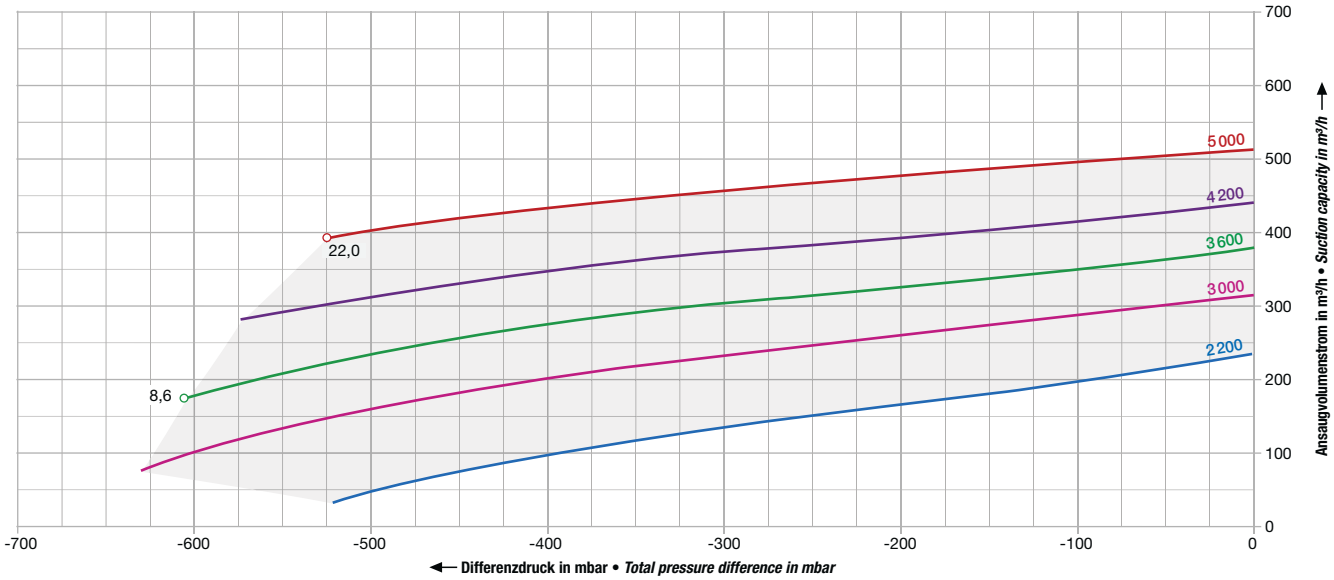
2BH2 0360 einstufig • *single stage*



2BH2 0360 zweistufig • *two stage*



2BH2 0360 dreistufig • *three stage*



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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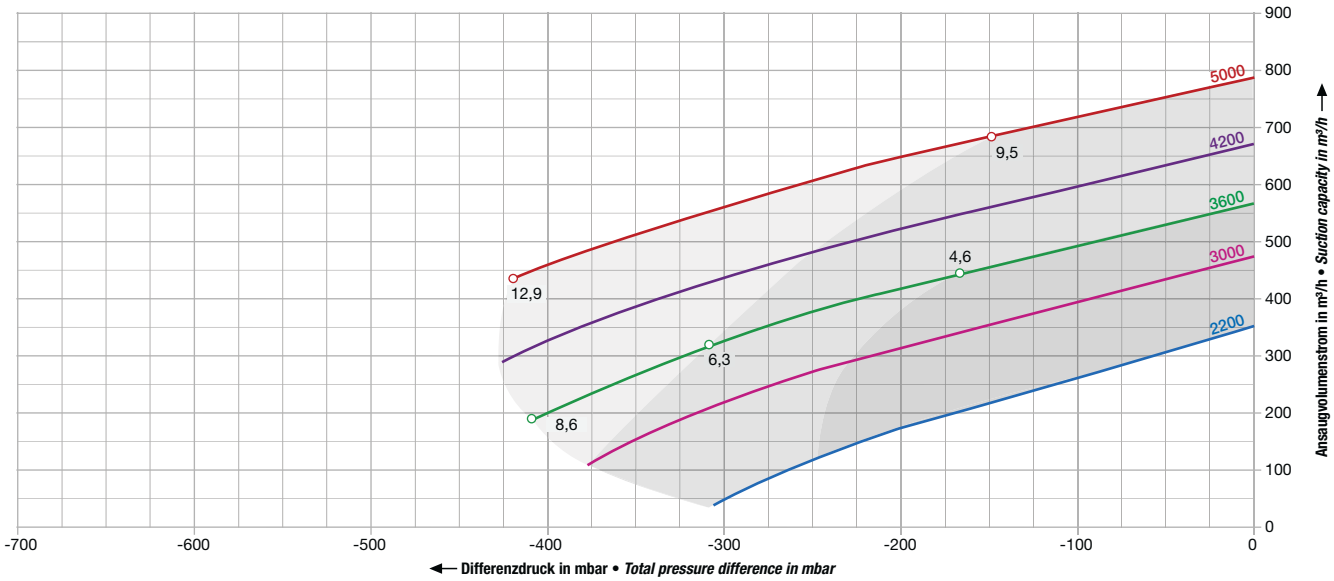
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

2BH2 0540 einstufig • *single stage*



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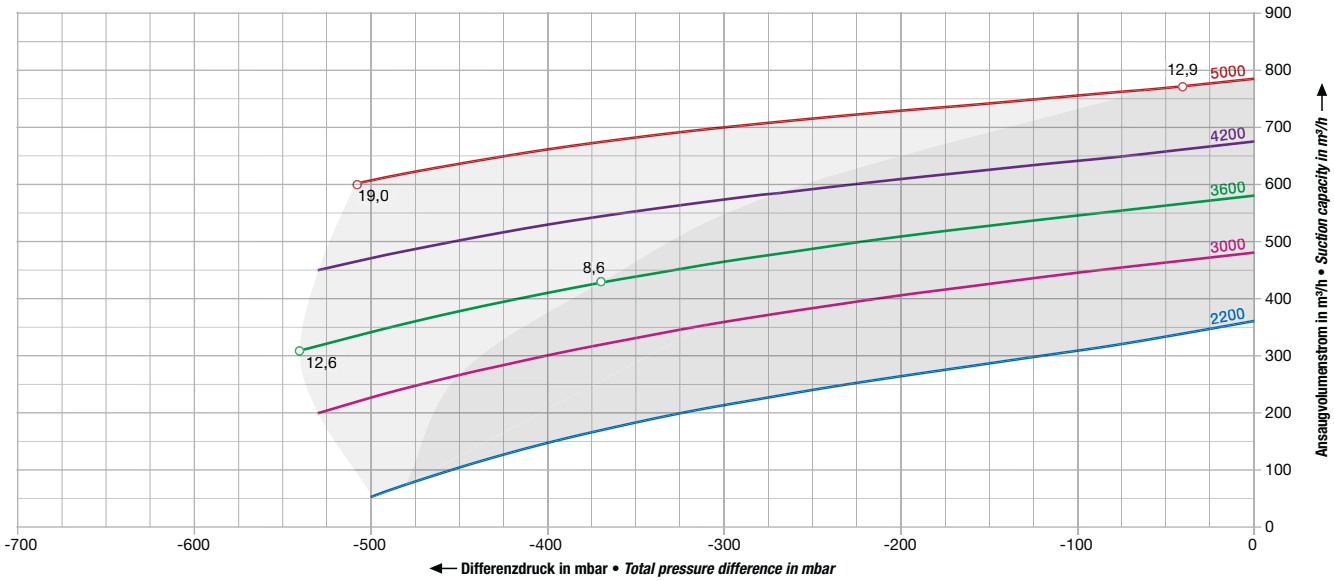

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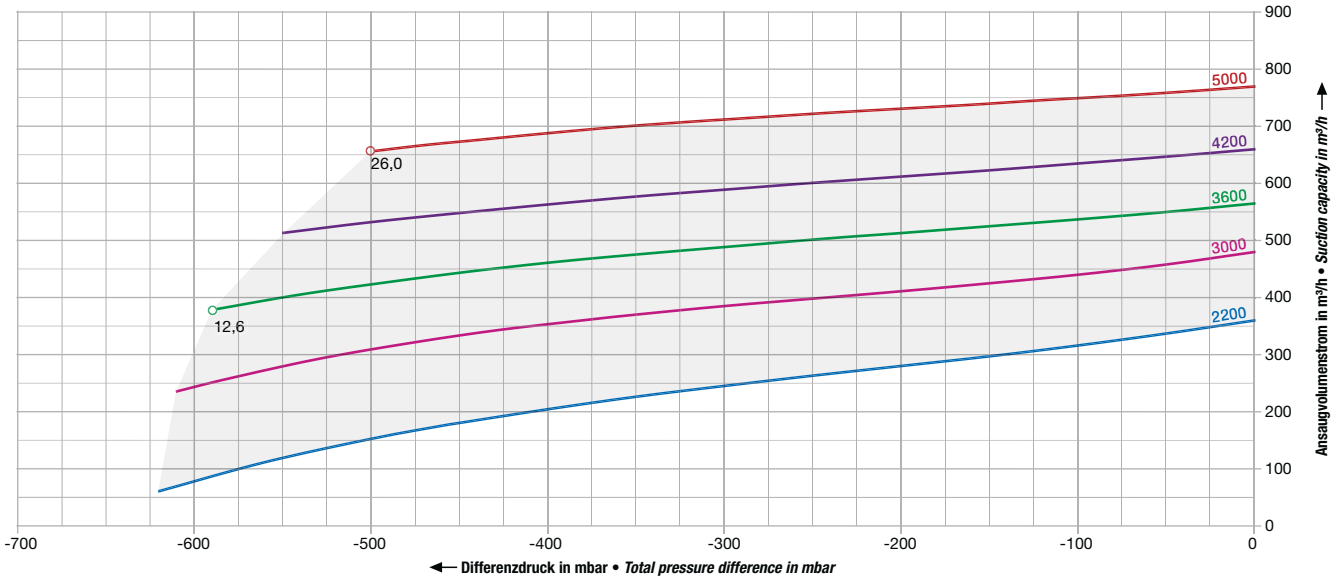

Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

Vakuum *Vacuum*

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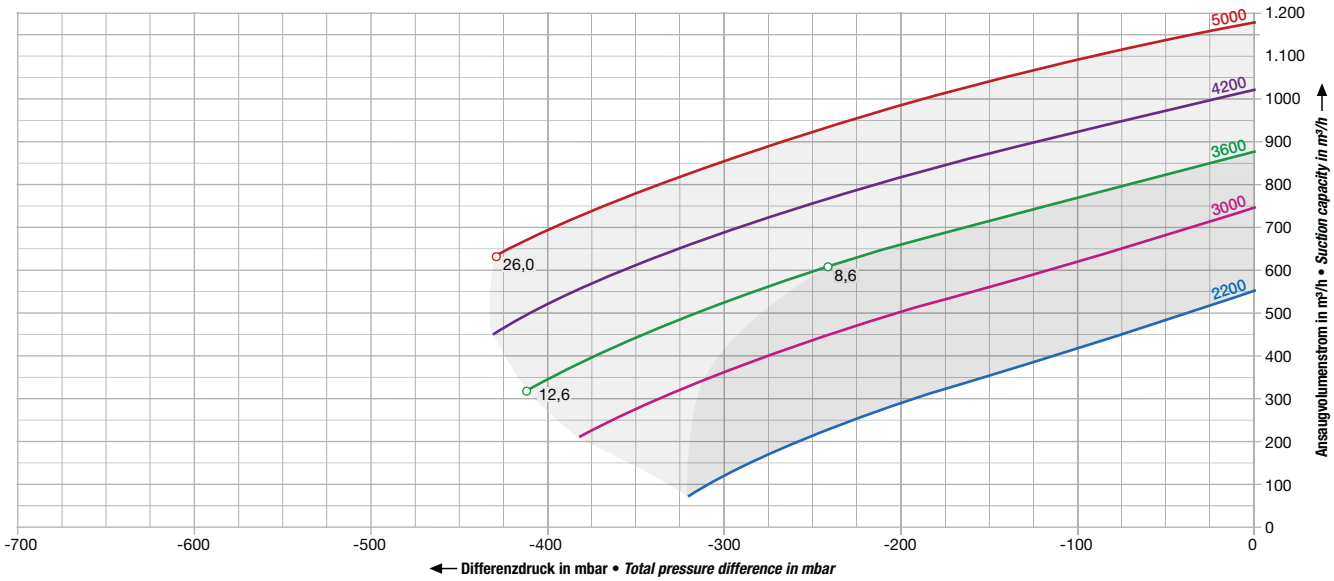
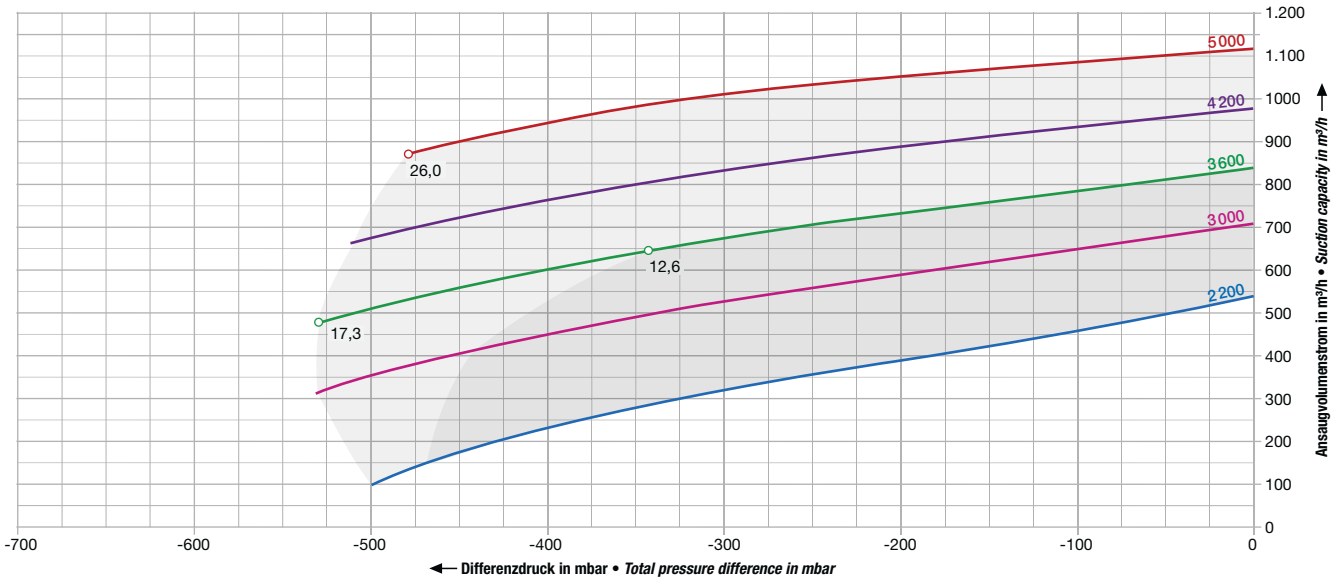
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

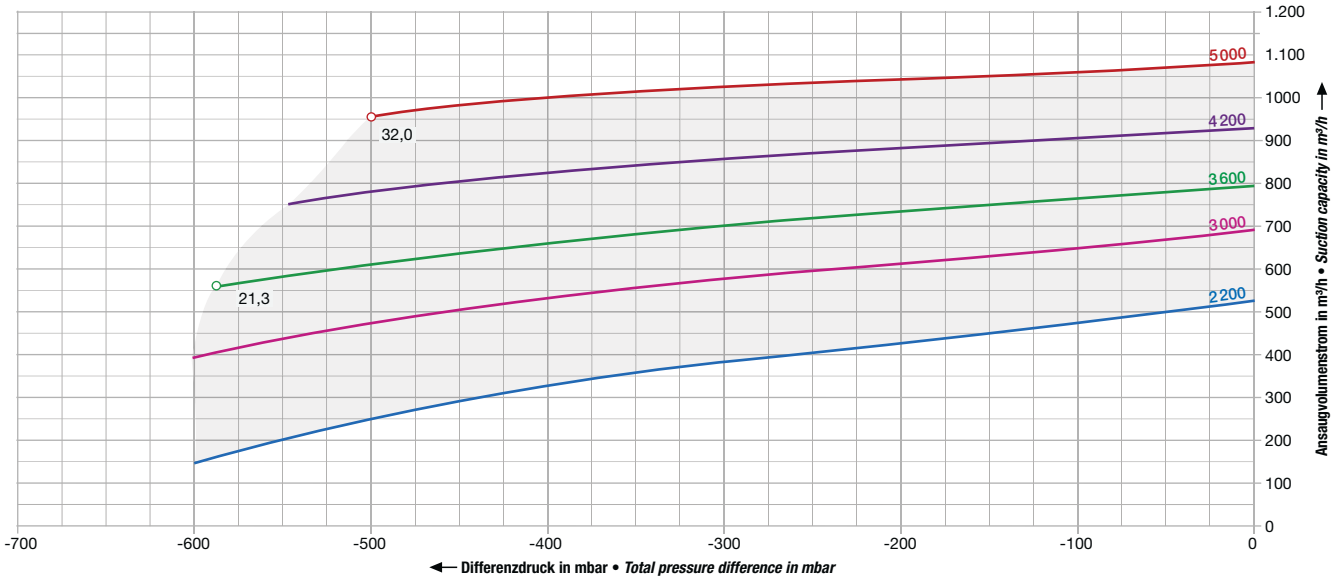
2BH2 0780 einstufig • *single stage*



2BH2 0780 zweistufig • *two stage*



2BH2 0780 dreistufig • *three stage*



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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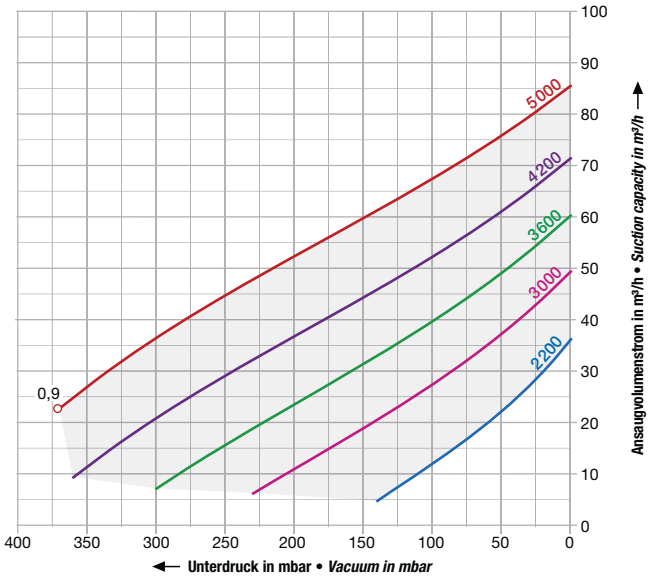
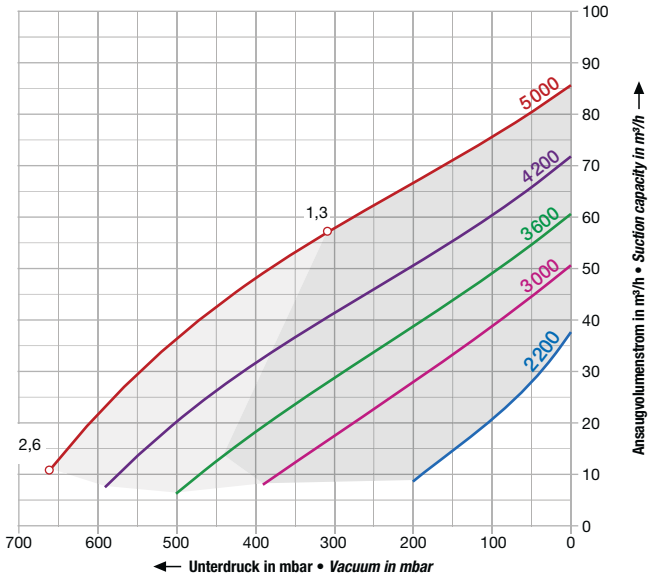
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

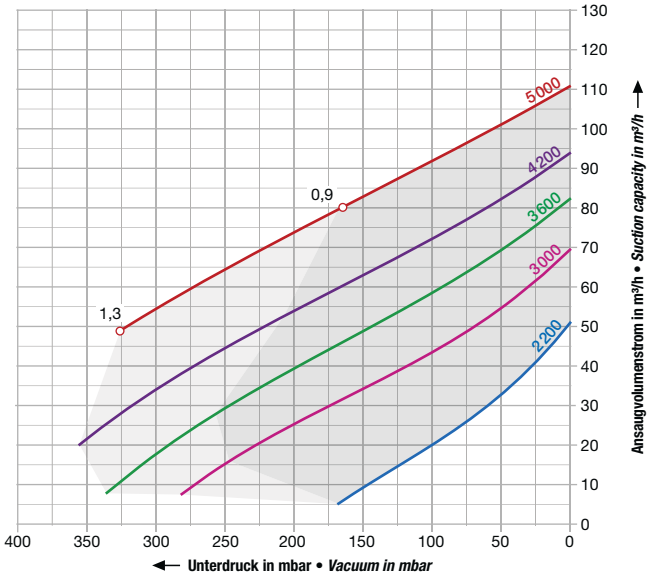
2BH7 210



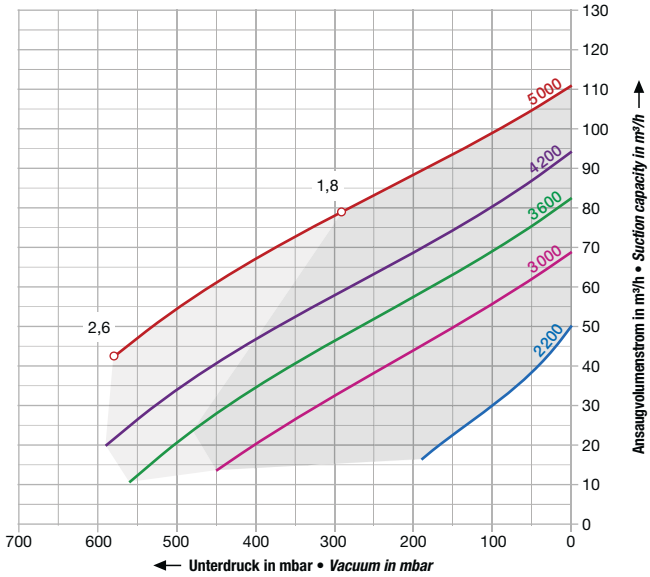
2BH7 220



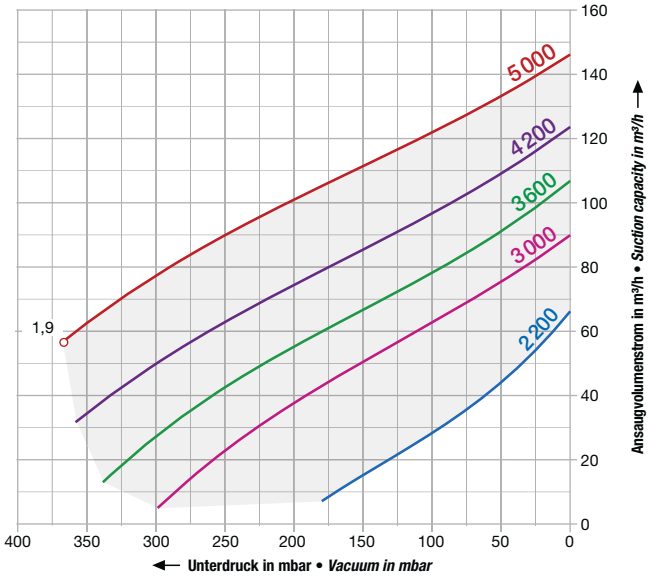
2BH7 310



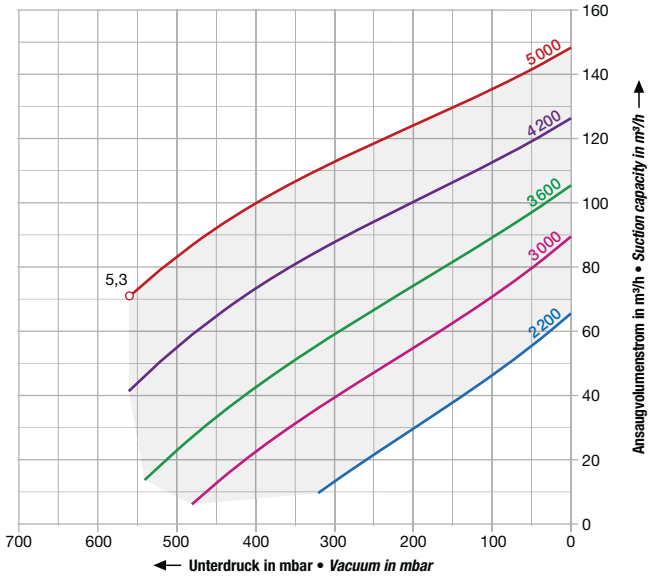
2BH7 320



2BH7 410



2BH7 420



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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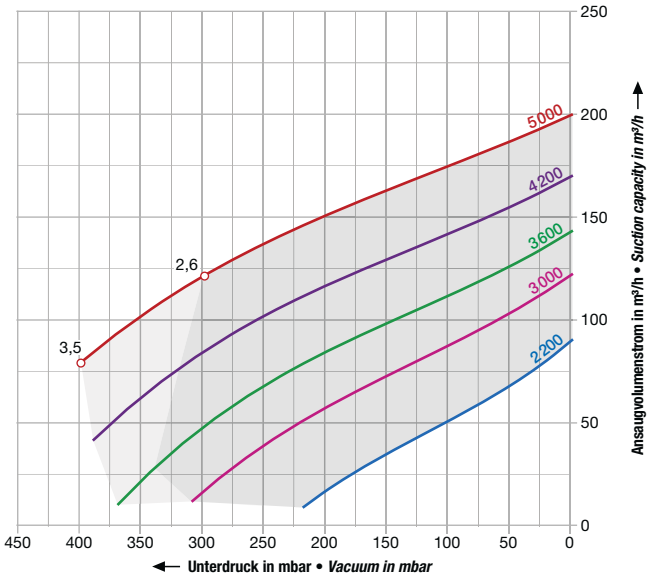
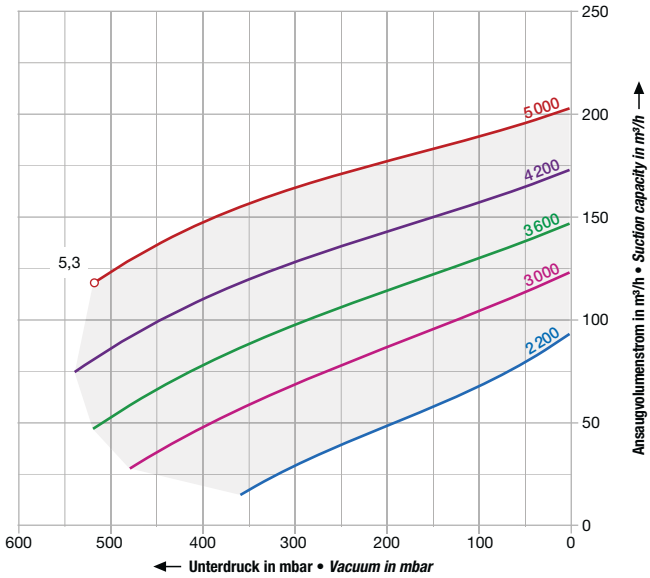
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

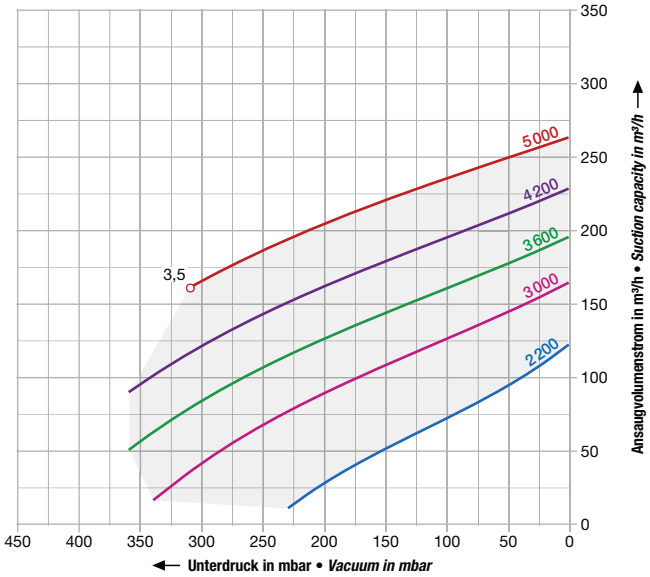
2BH7 510



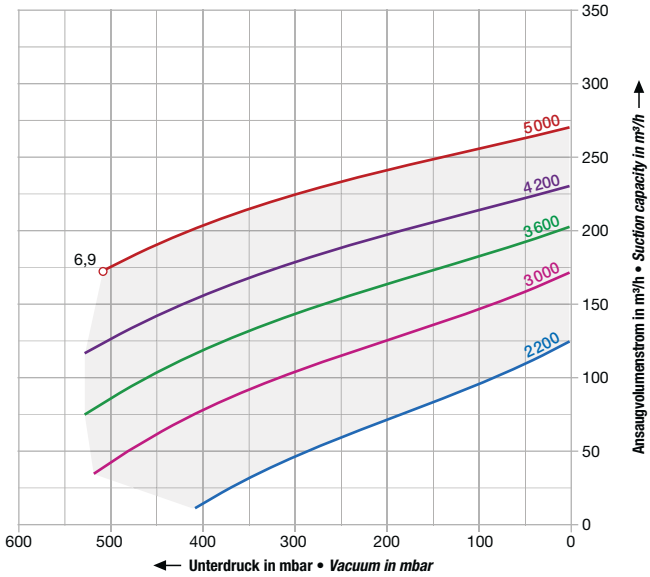
2BH7 520



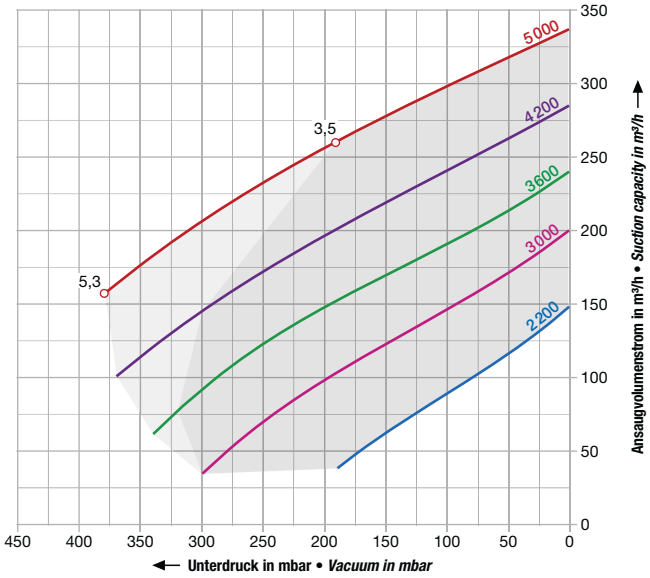
2BH7 610-0A



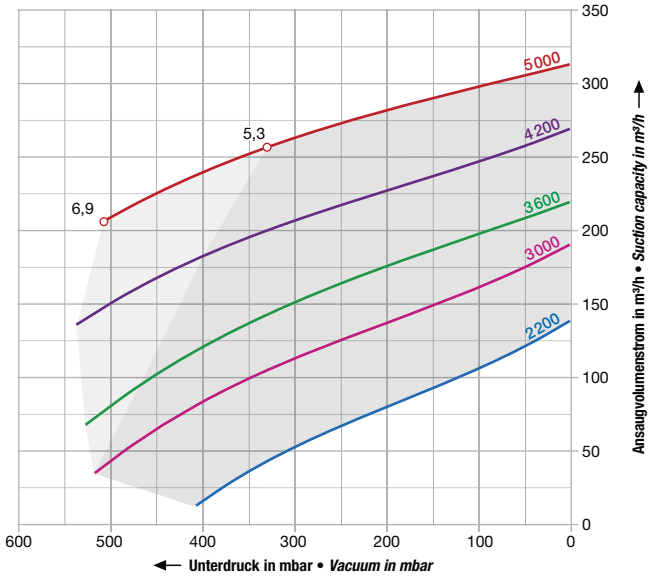
2BH7 620-0A



2BH7 610-3N



2BH7 620-0N



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

Vakuum *Vacuum*

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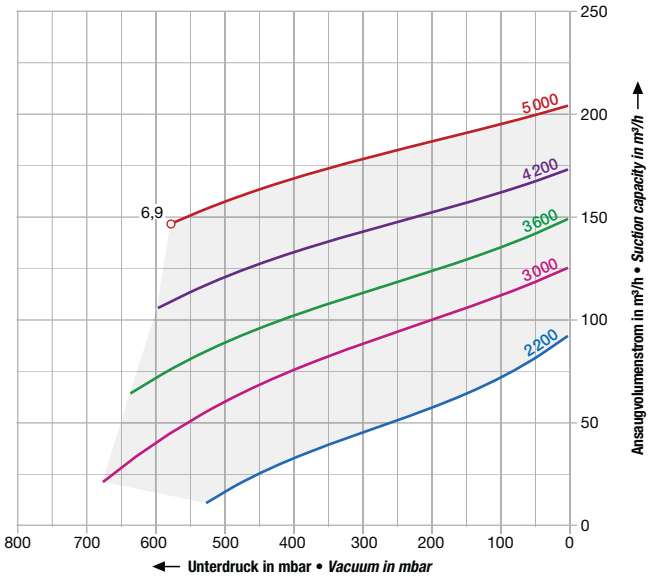
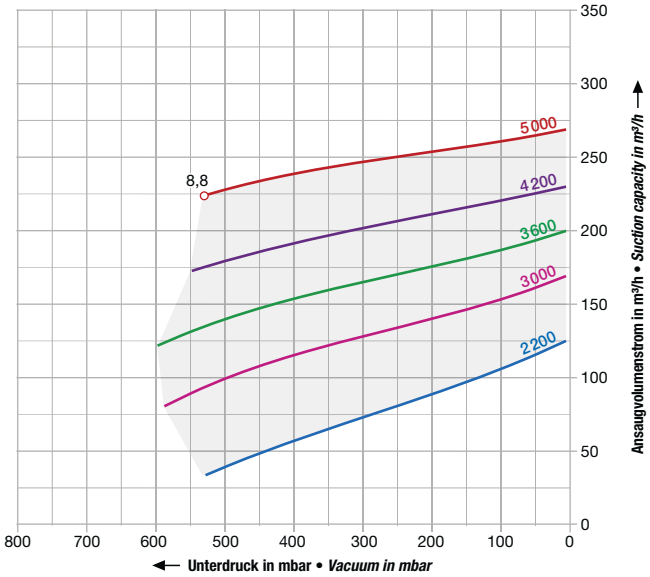
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

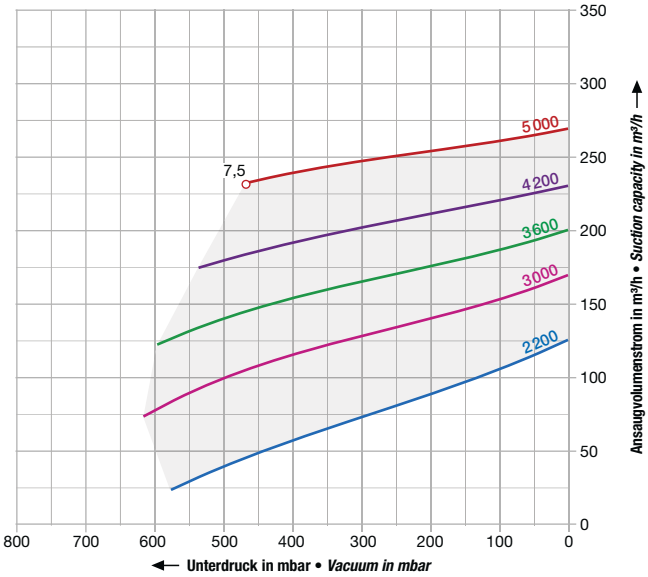
2BH7 530



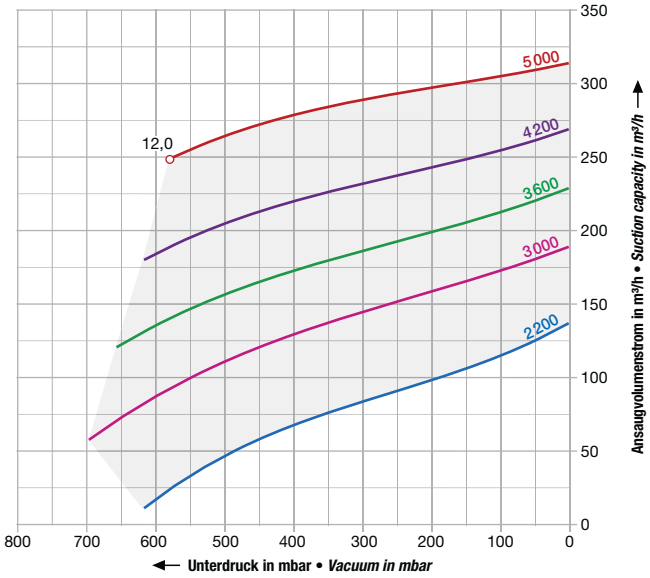
2BH7 630-0AH



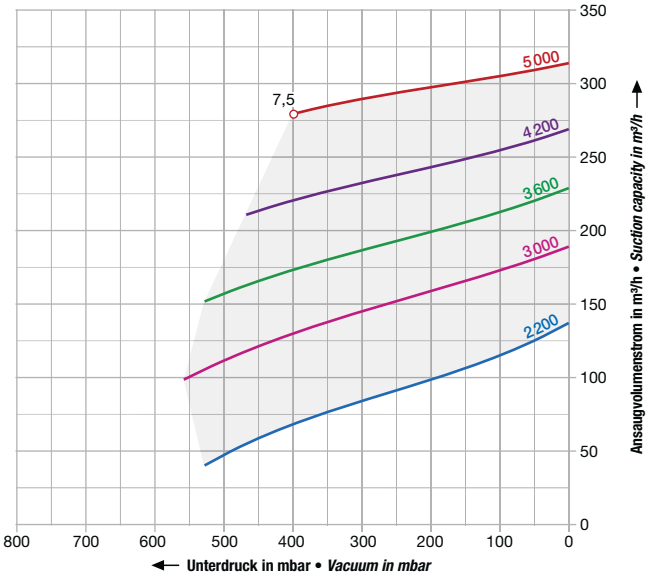
2BH7 630-0AN



2BH7 630-0NH



2BH7 630-0NN



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

Vakuum *Vacuum*

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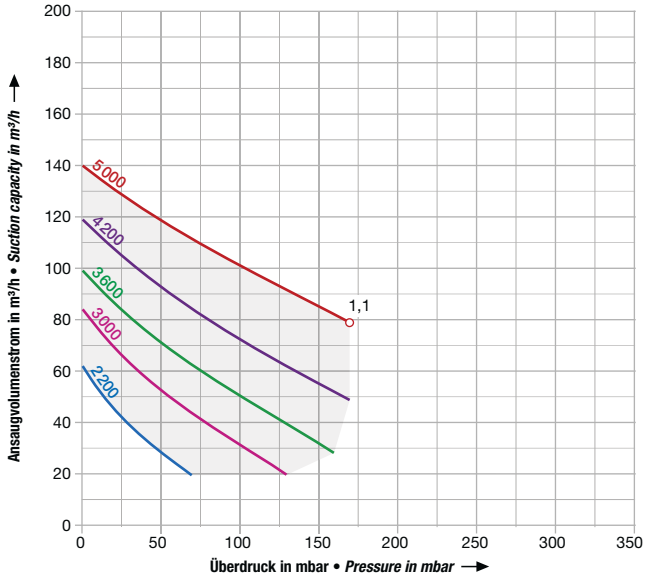
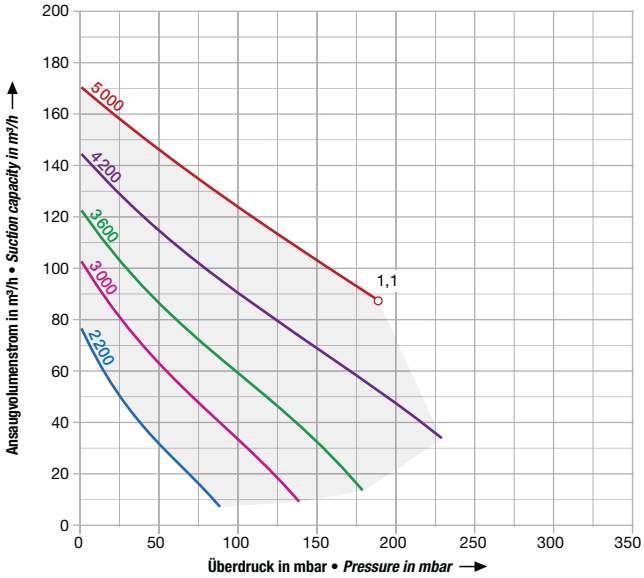
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

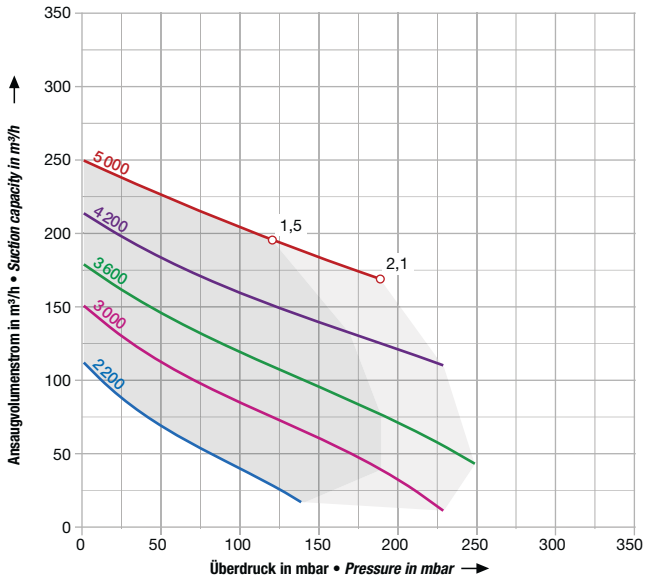
2BH1 300



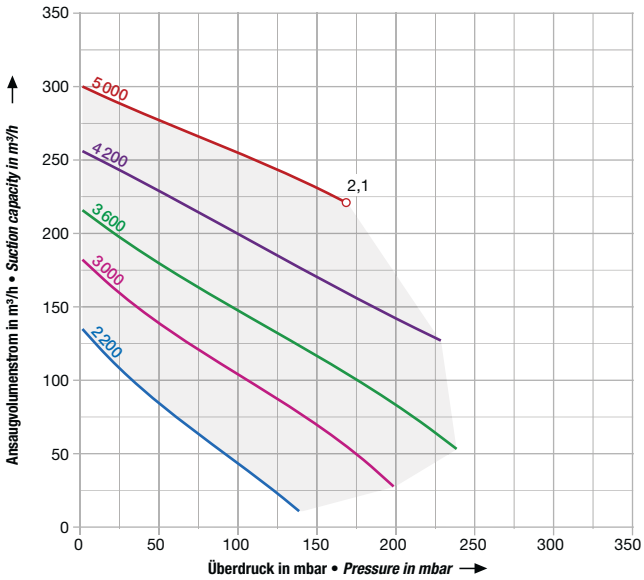
2BH1 330



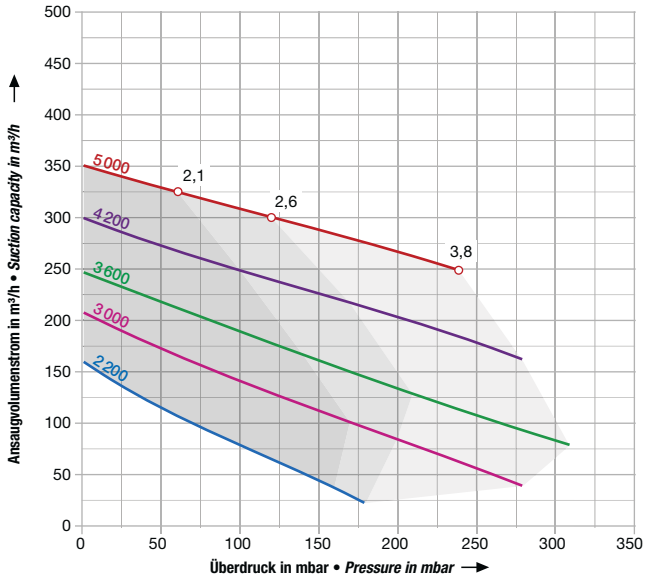
2BH1 400



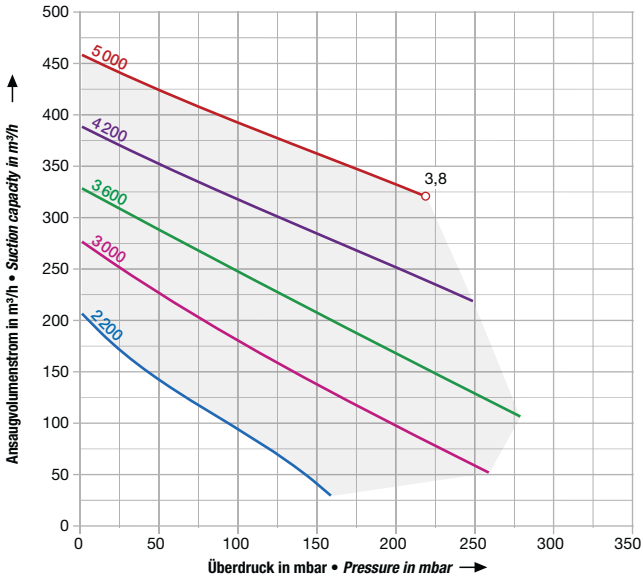
2BH1 430



2BH1 500



2BH1 530



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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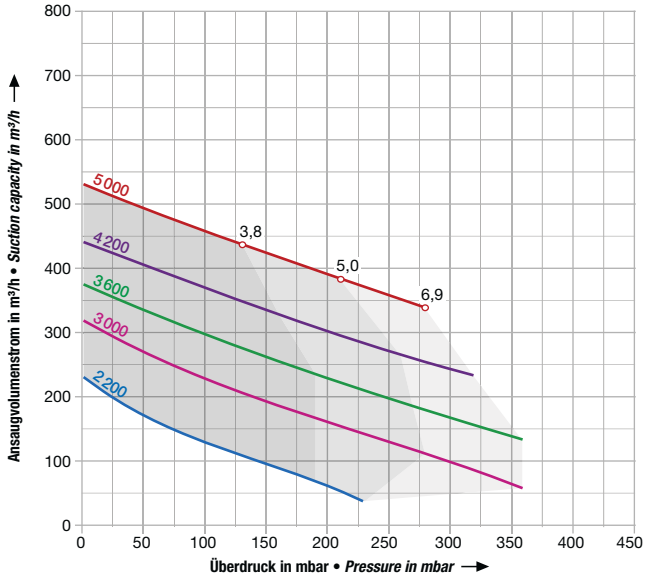
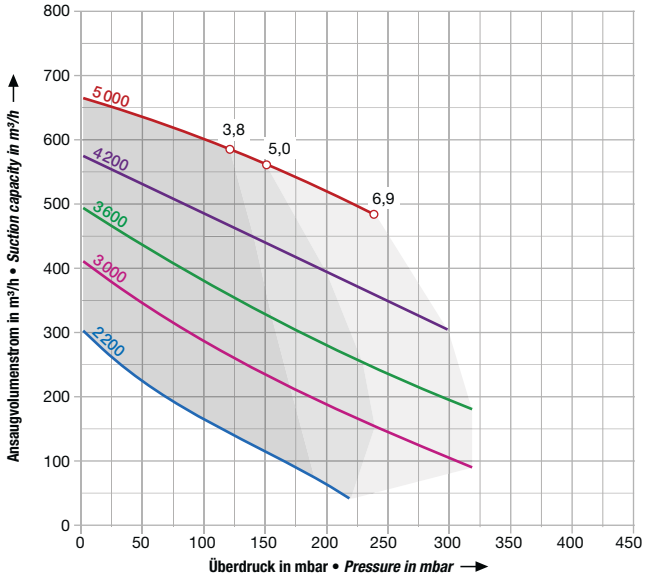
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

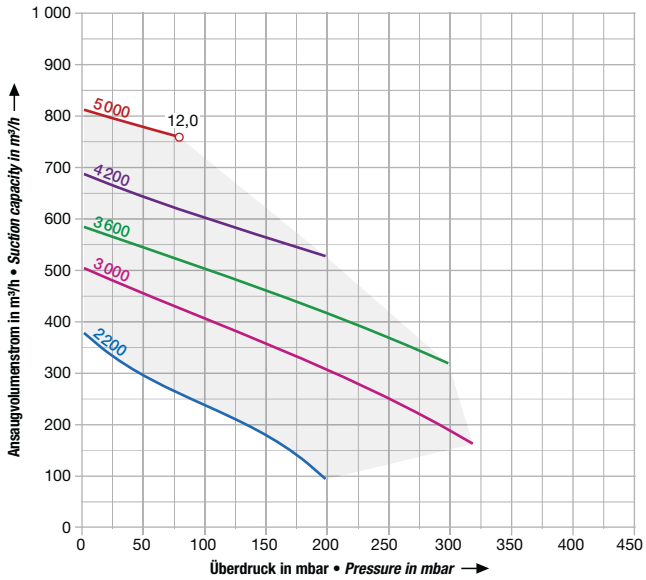
2BH1 600



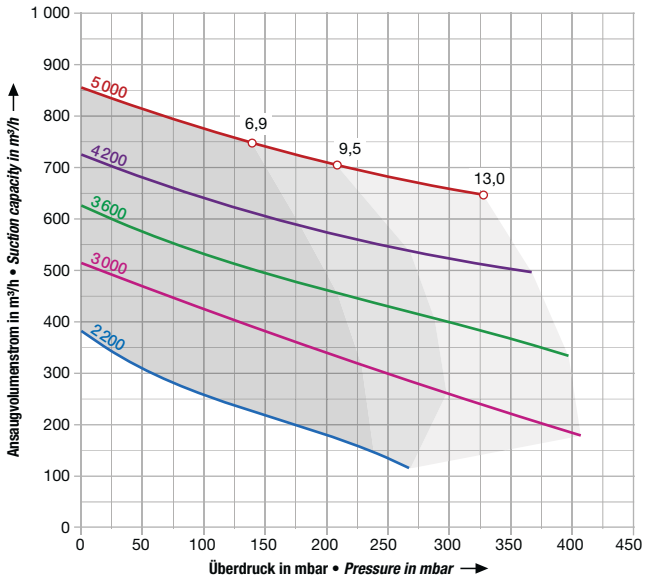
2BH1 630



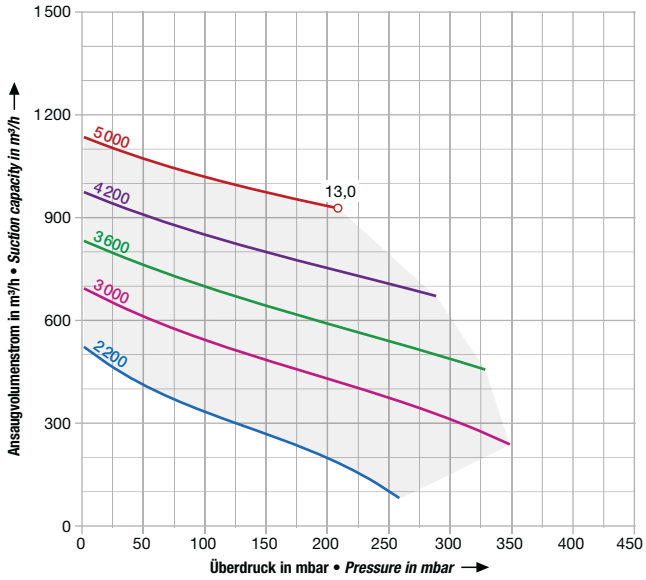
2BH1 640



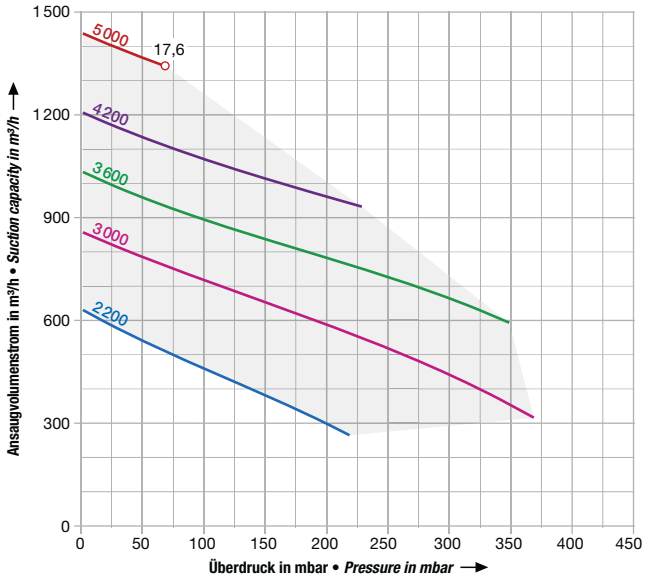
2BH1 800



2BH1 830



2BH1 840



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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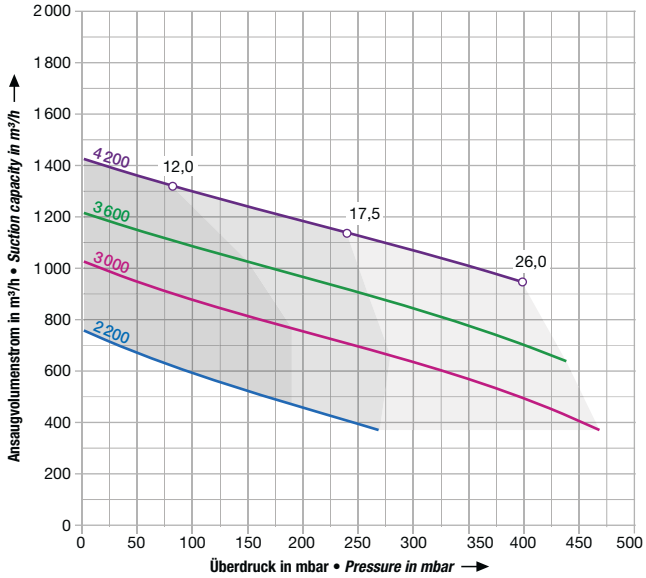
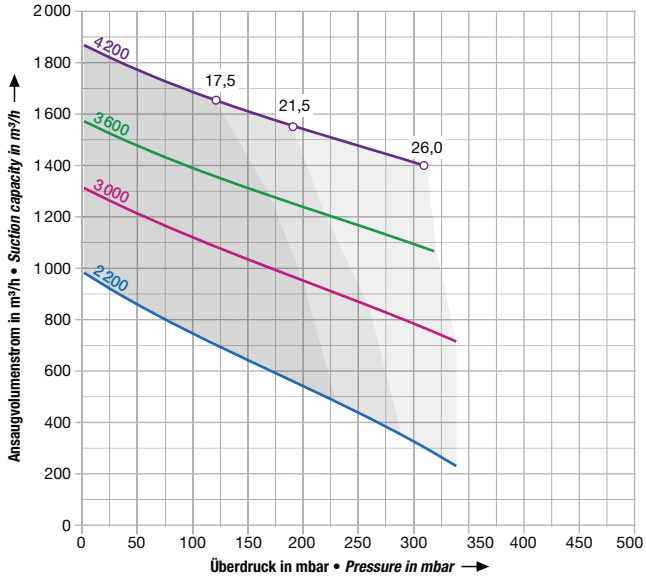
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

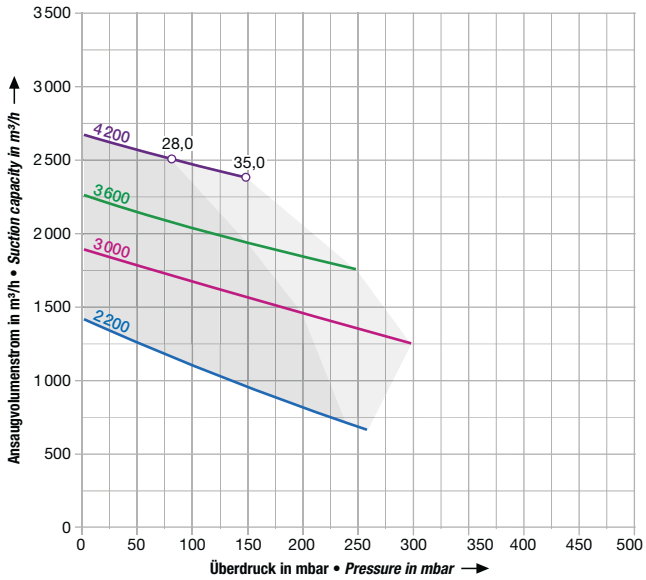
2BH1 900



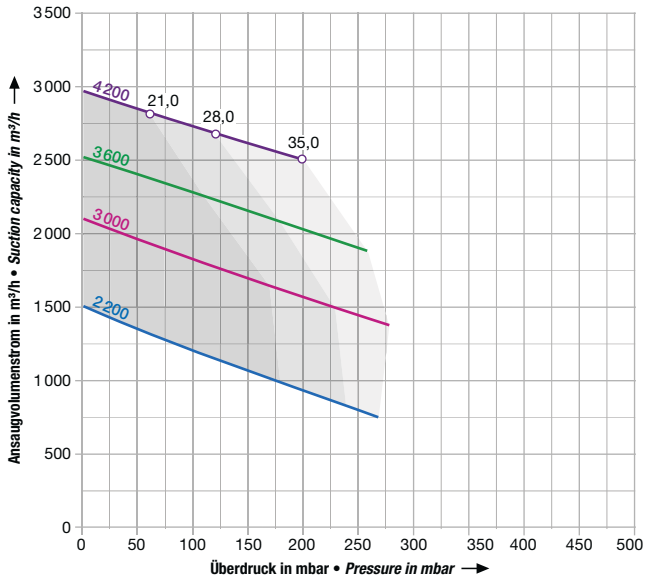
2BH1 930



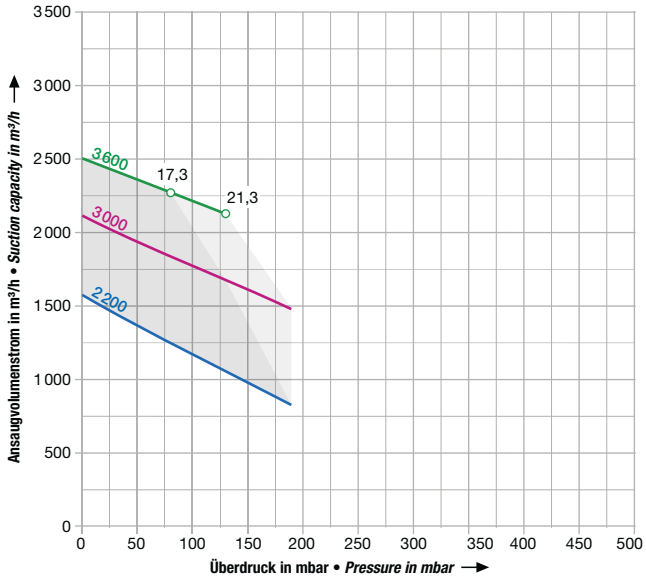
2BH1 940



2BH1 943



2BH9 2300



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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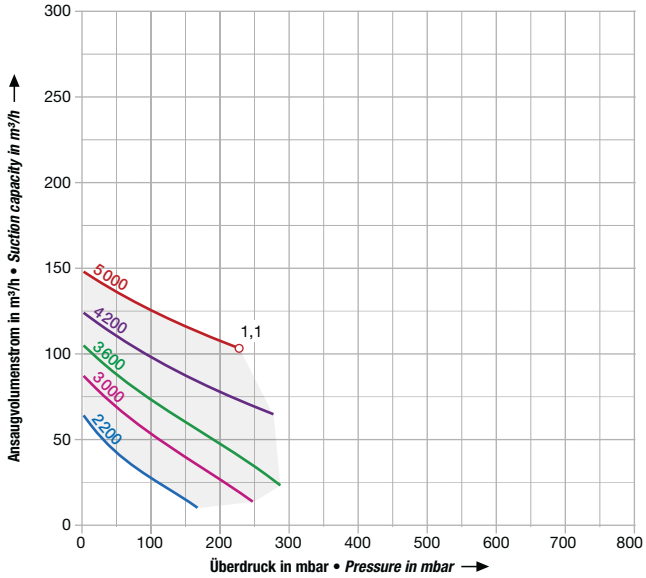
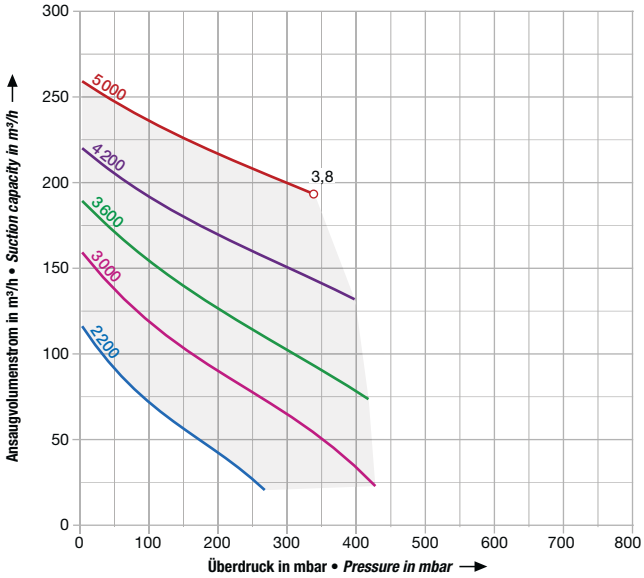
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

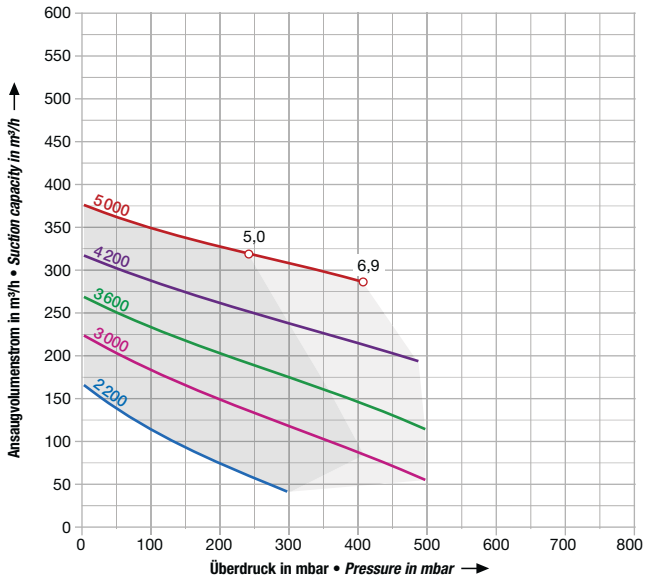
2BH1 310



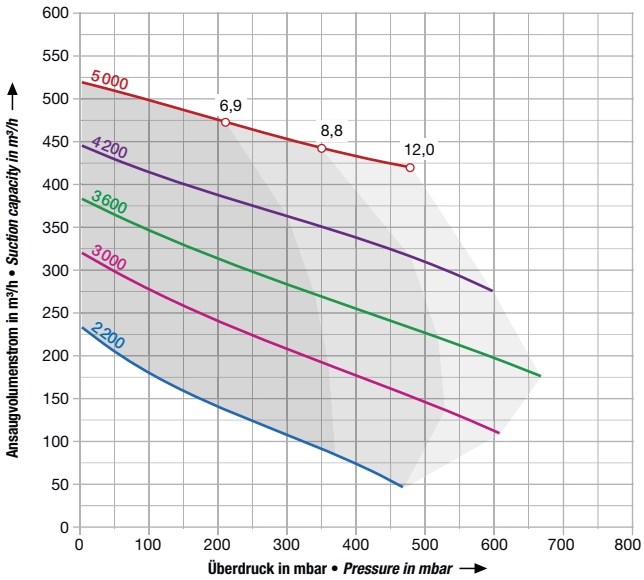
2BH1 410



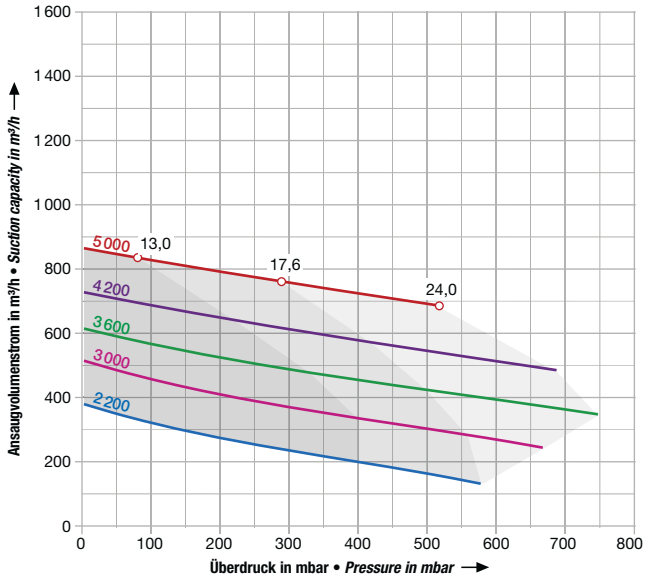
2BH1 510



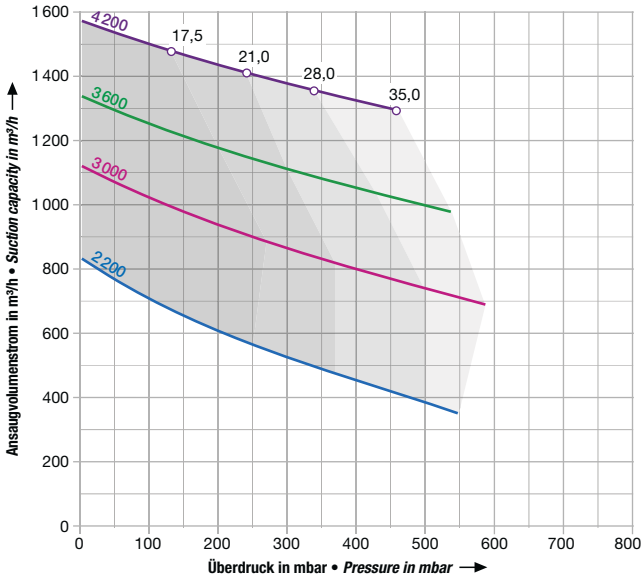
2BH1 610



2BH1 810



2BH1 910



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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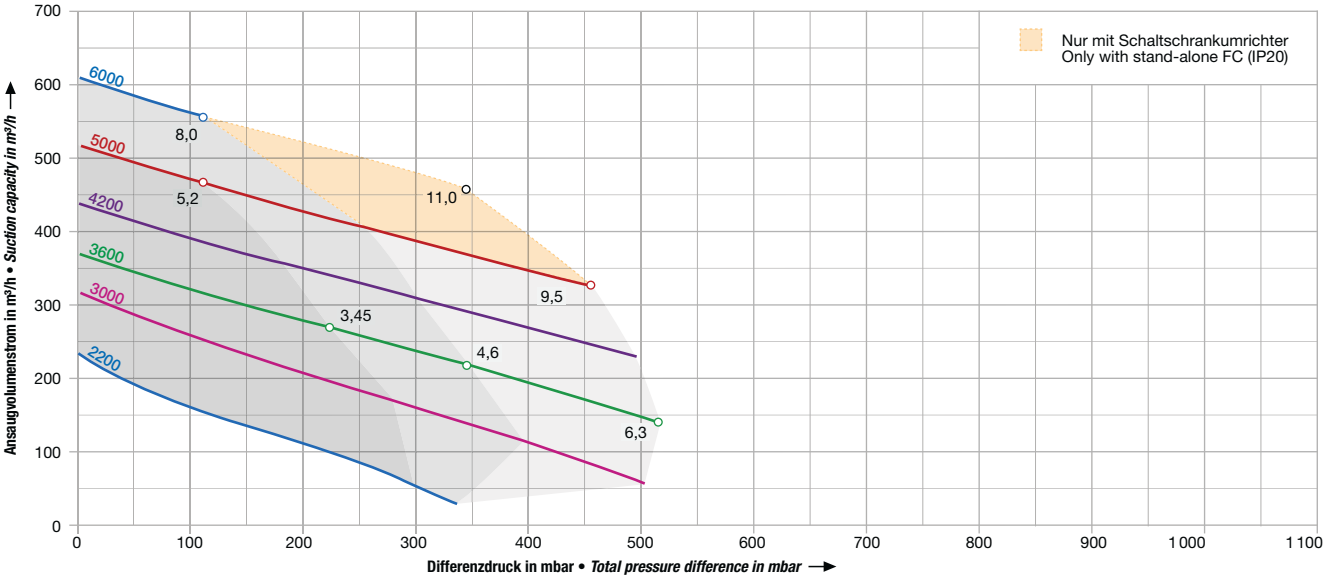
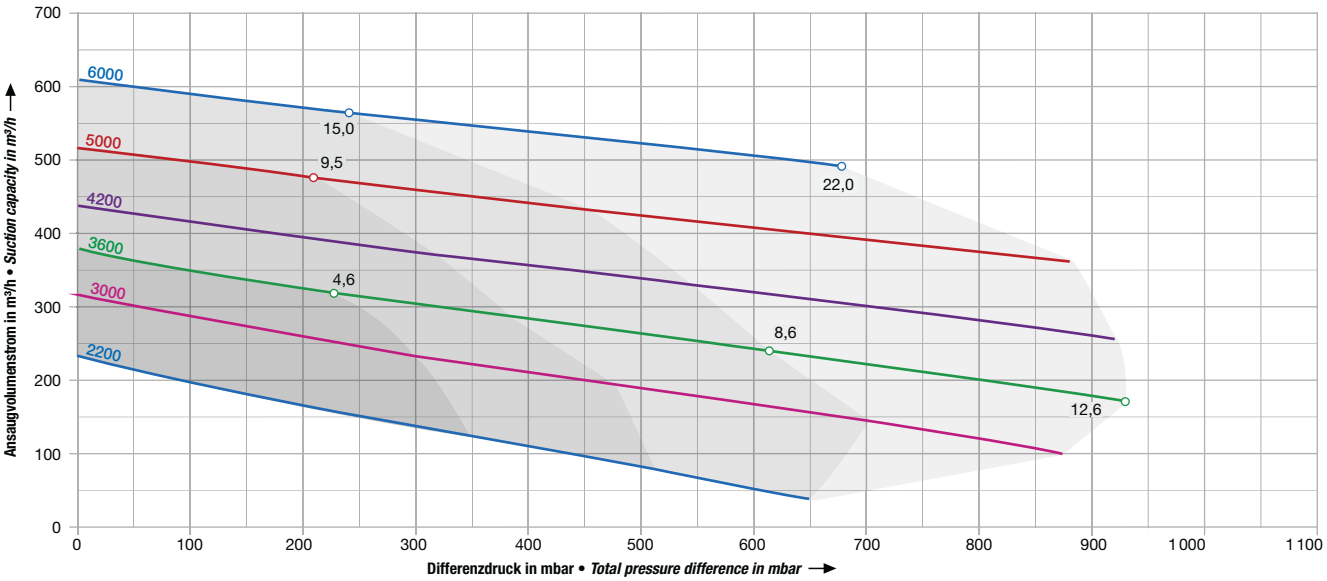
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

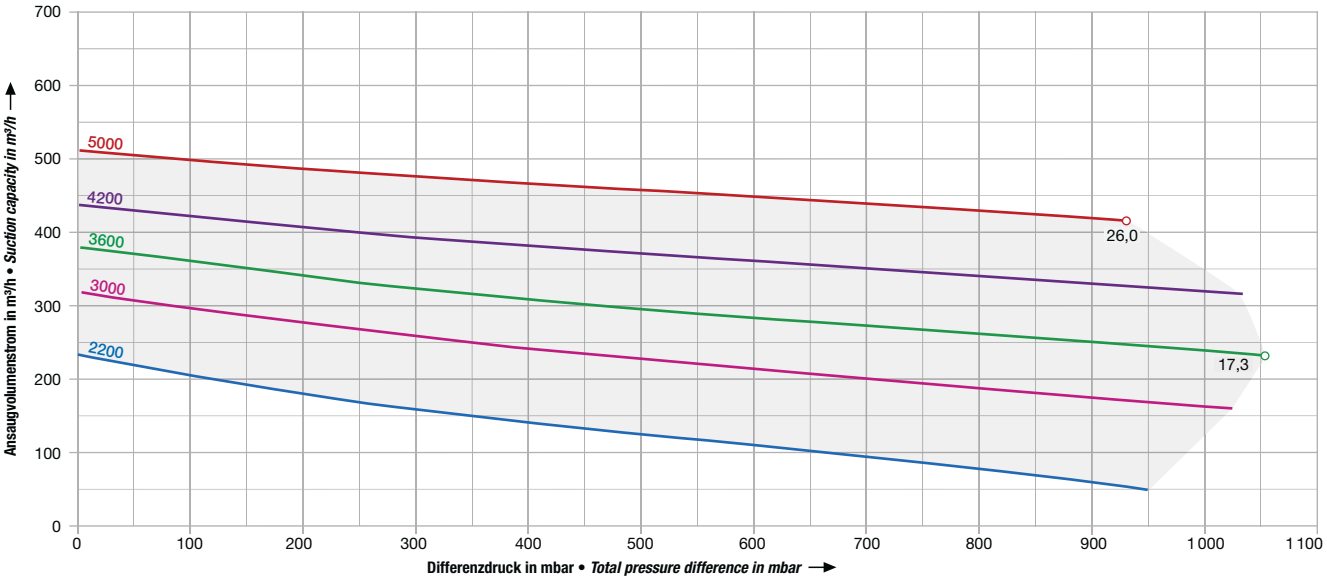
2BH2 0360 einstufig • *single stage*



2BH2 0360 zweistufig • *two stage*



2BH2 0360 dreistufig • *three stage*



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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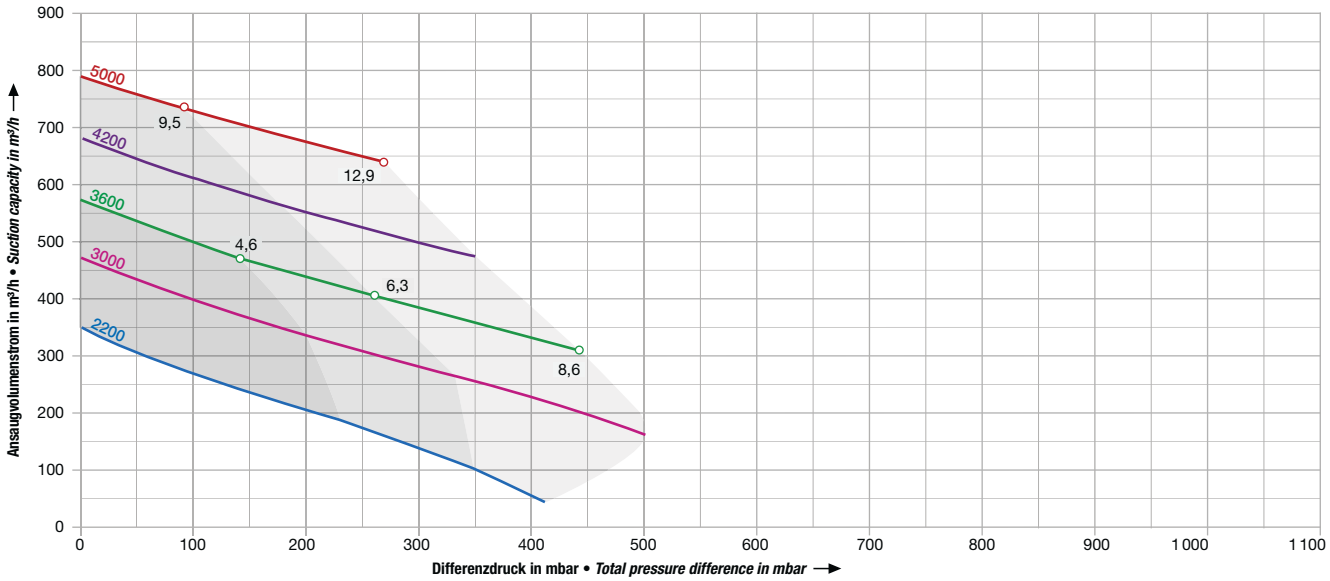
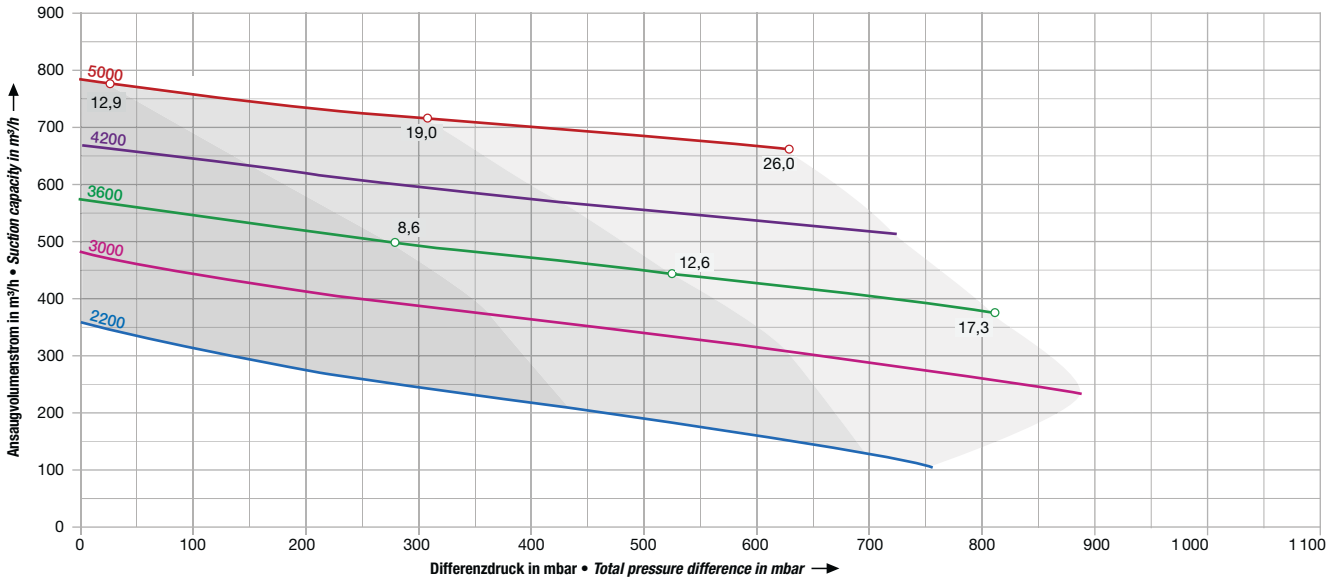
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

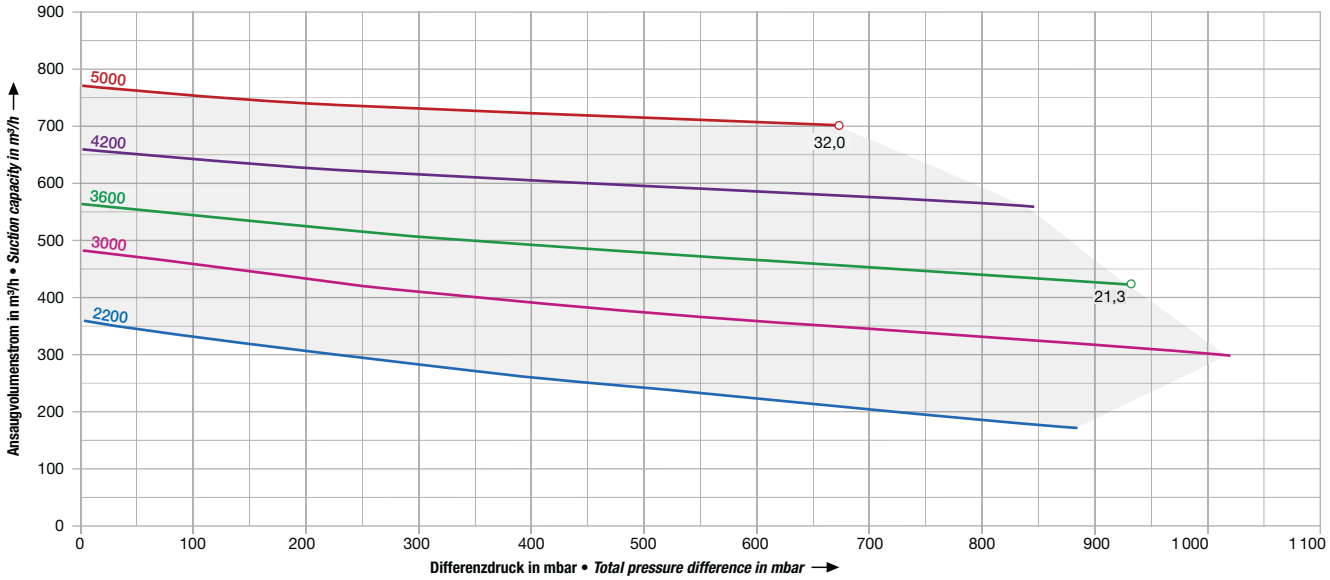
2BH2 0540 einstufig • *one stage*



2BH2 0540 zweistufig • *two stage*



2BH2 0540 dreistufig • *three stage*



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

Druck *Pressure*

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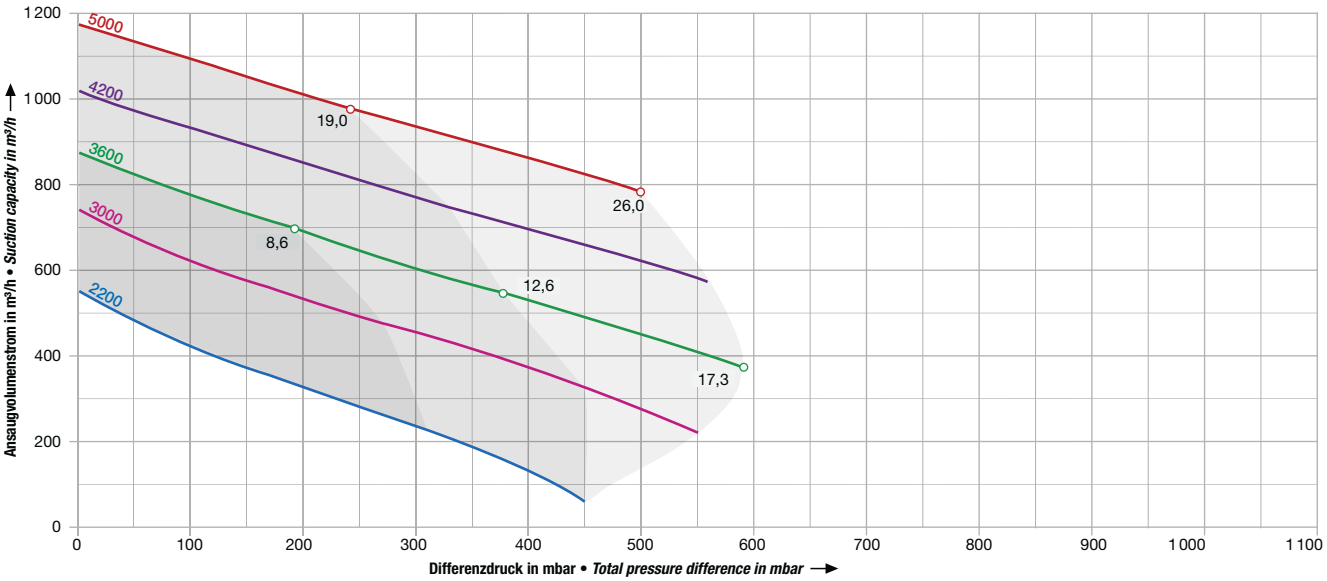
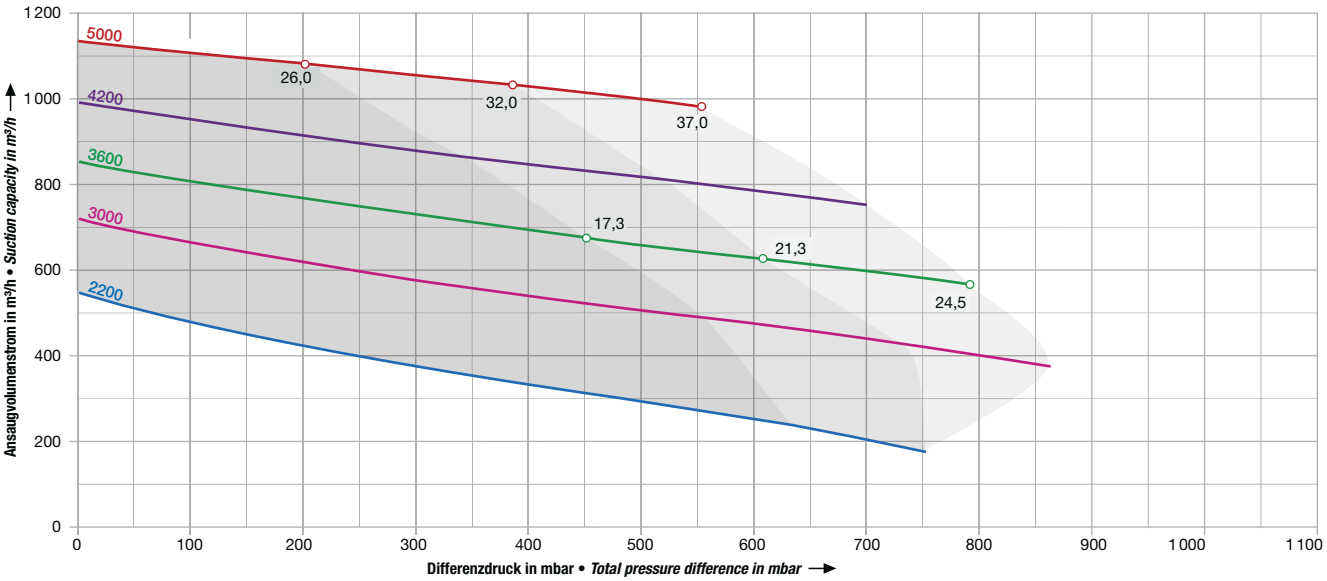
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

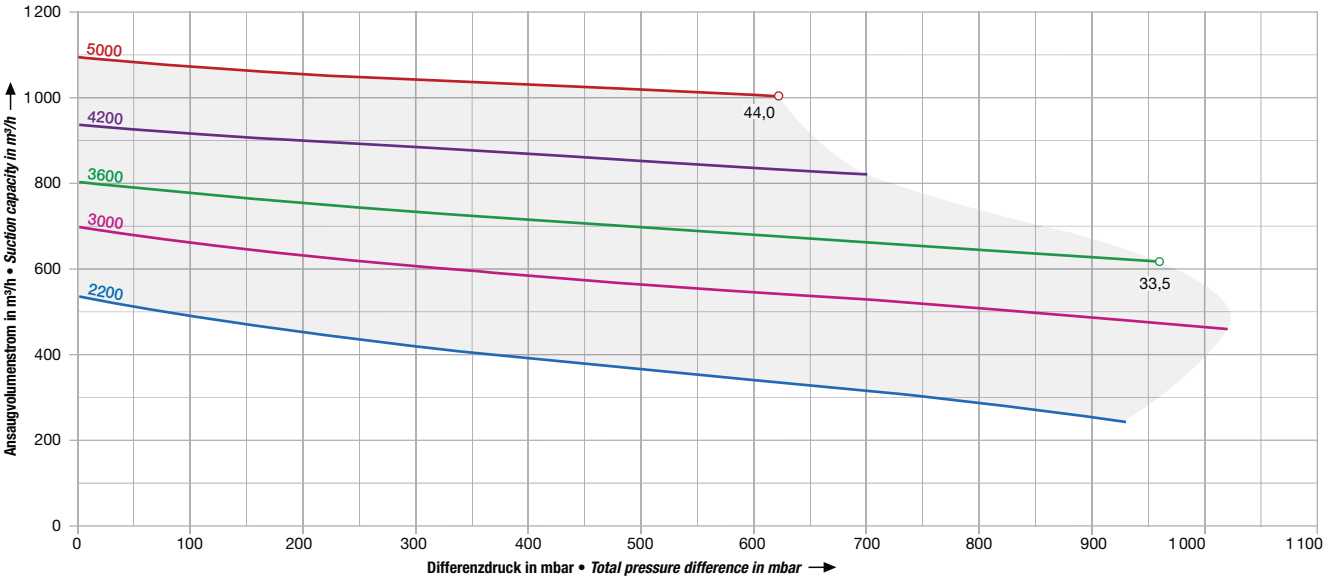
2BH2 0780 einstufig • *one stage*



2BH2 0780 zweistufig • *two stage*



2BH2 0780 dreistufig • *three stage*



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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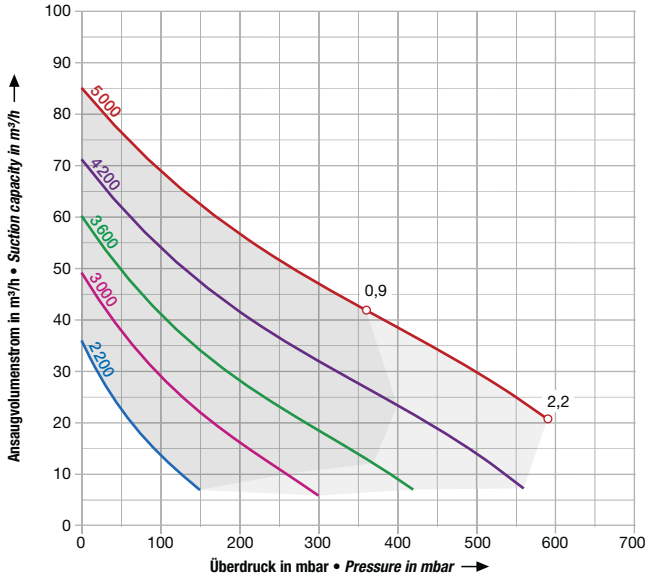
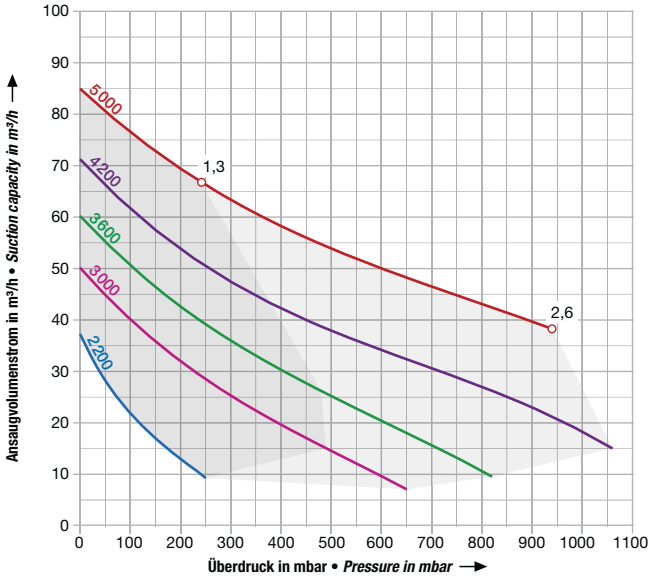
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

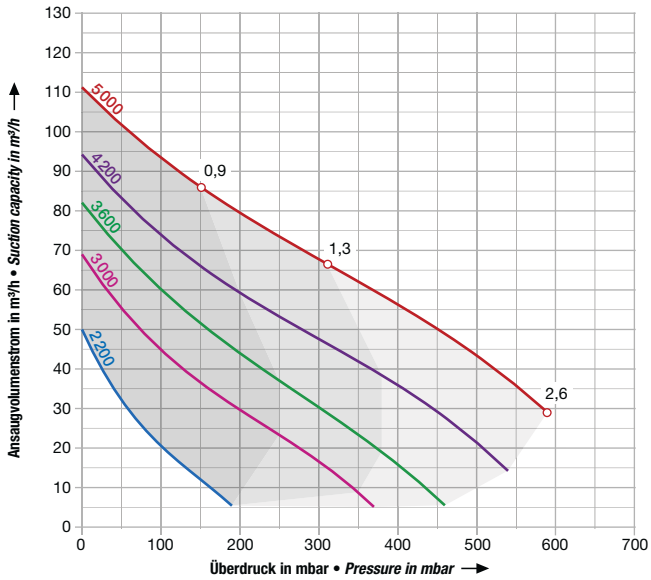
2BH7 210



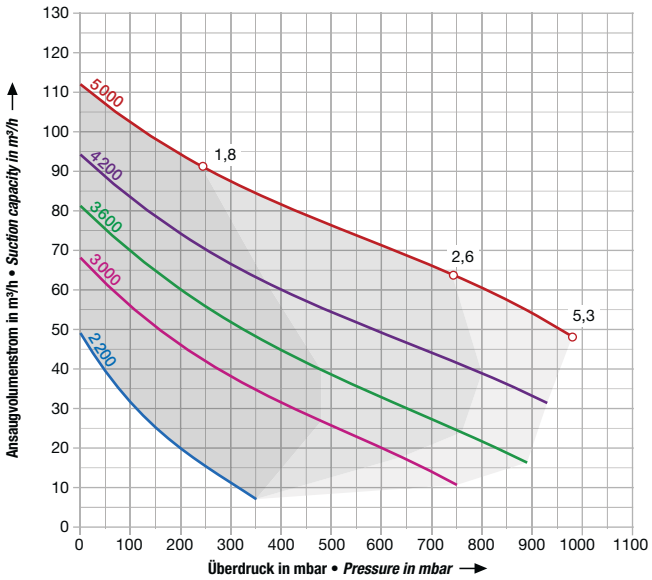
2BH7 220



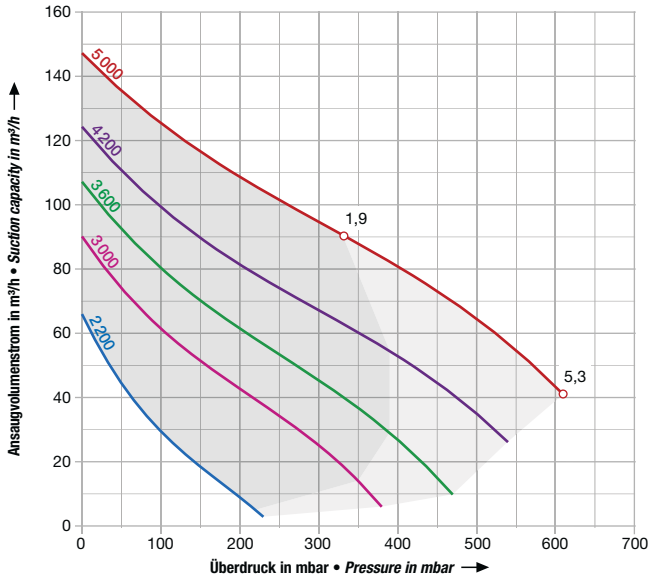
2BH7 310



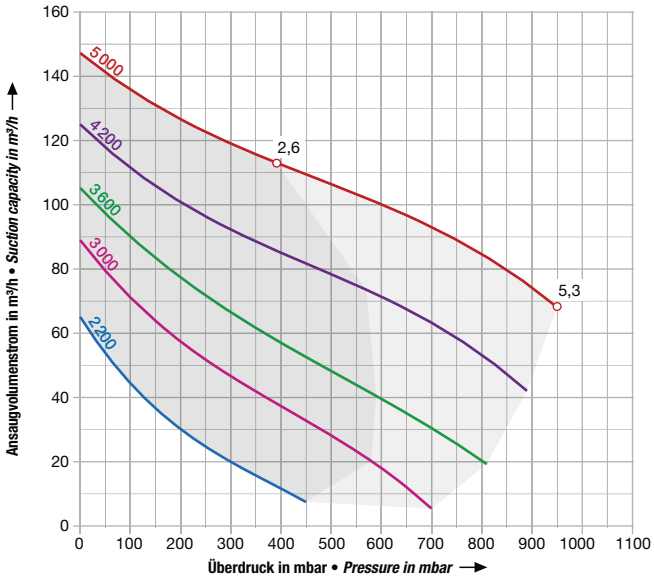
2BH7 320



2BH7 410



2BH7 420



Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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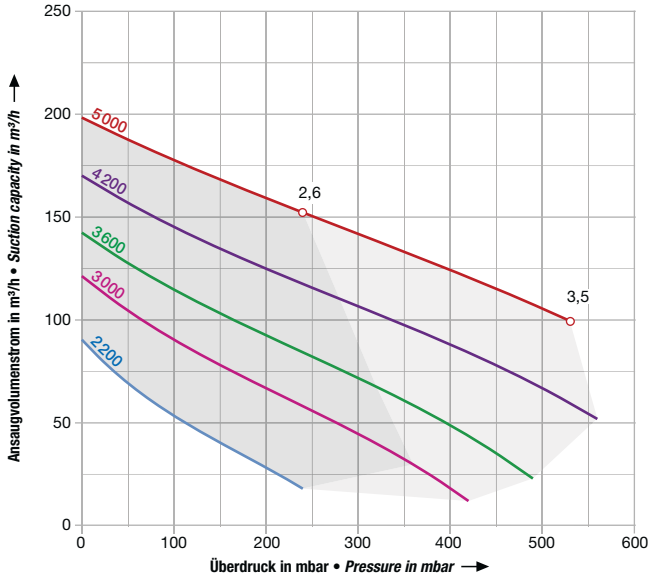
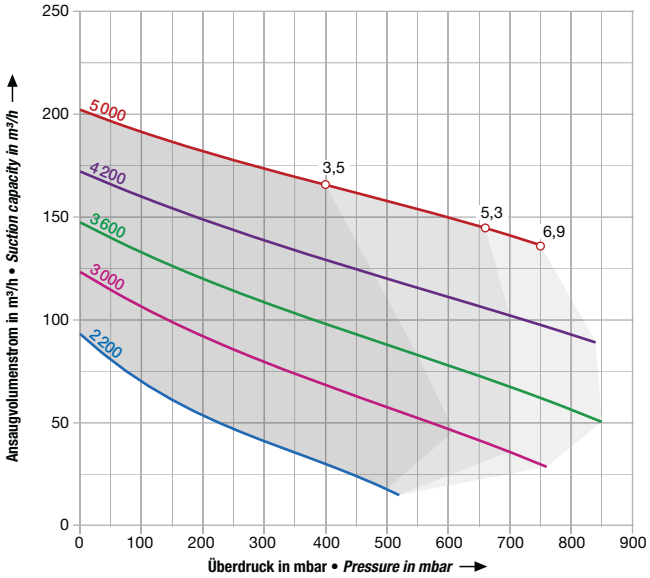
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

2BH7 510



2BH7 520



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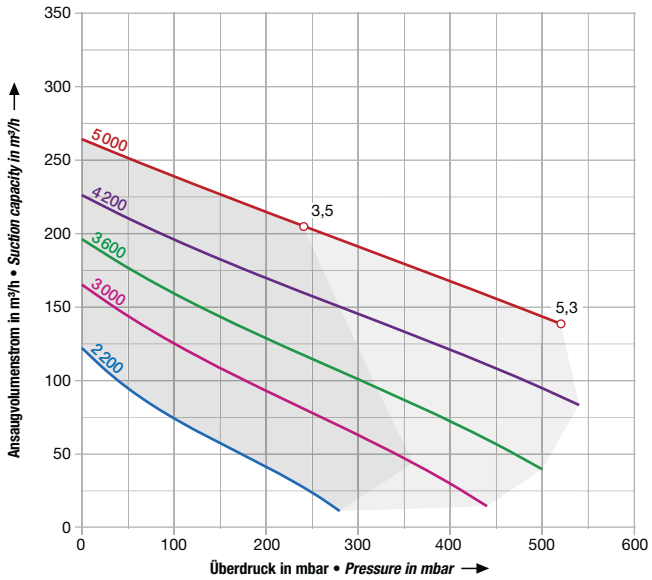

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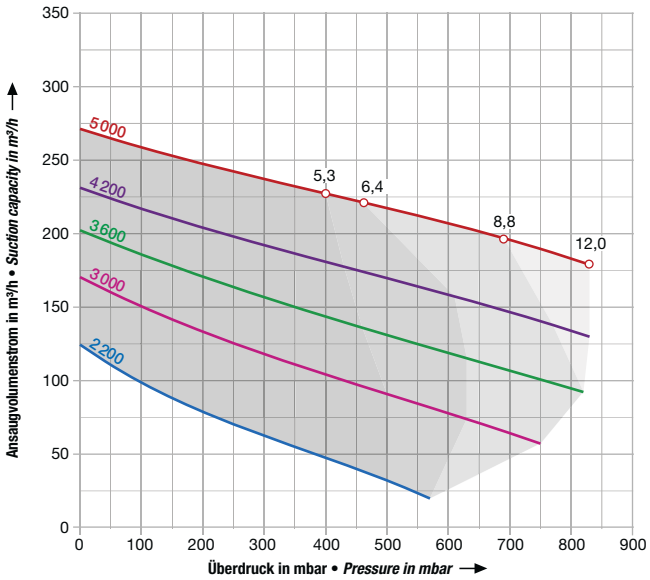

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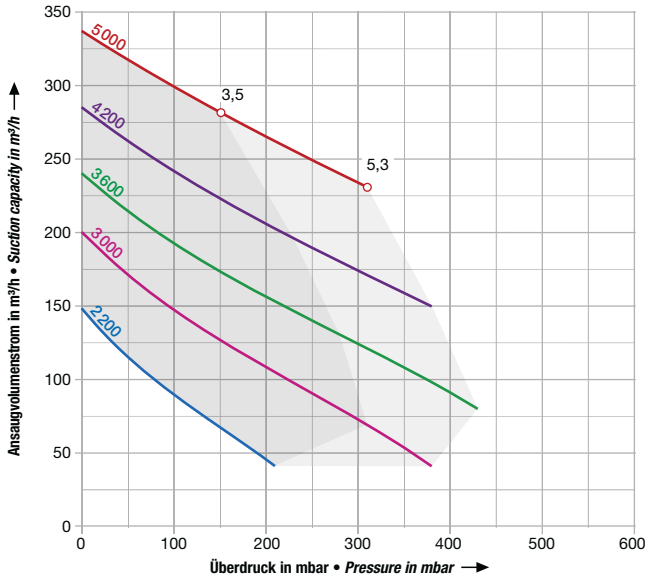

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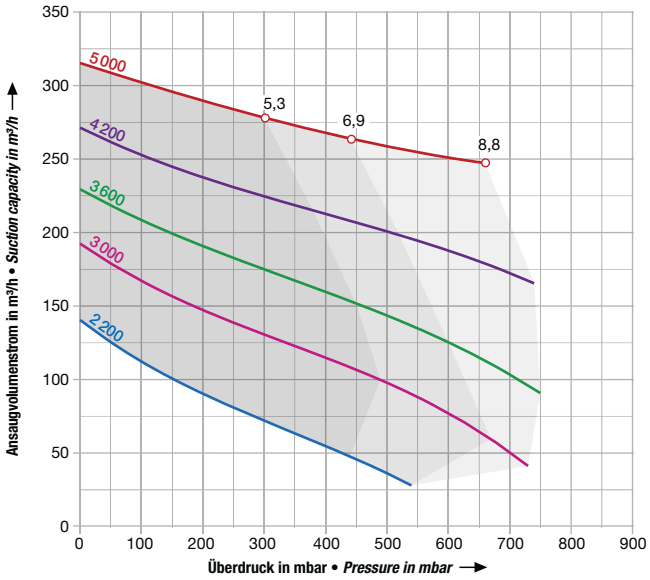

Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

Druck *Pressure*

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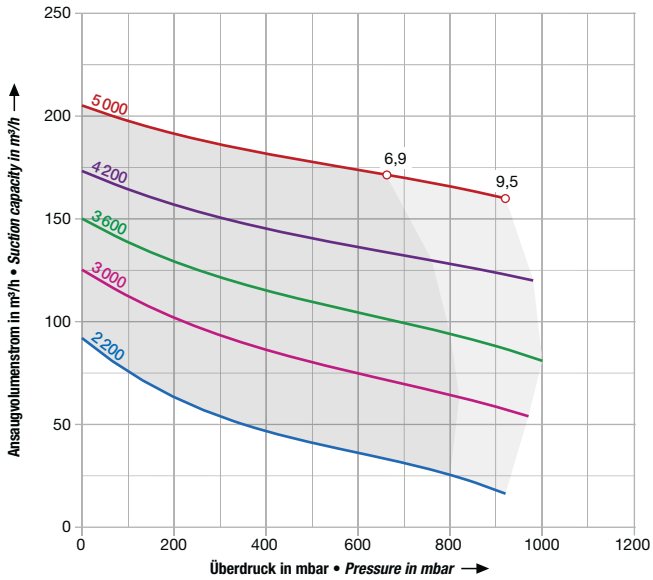
Auswahldiagramme • *Selection diagrams* 性能曲線（縦軸：吸込風量 m3/h、横軸：静圧 hPa)

2BH7 530



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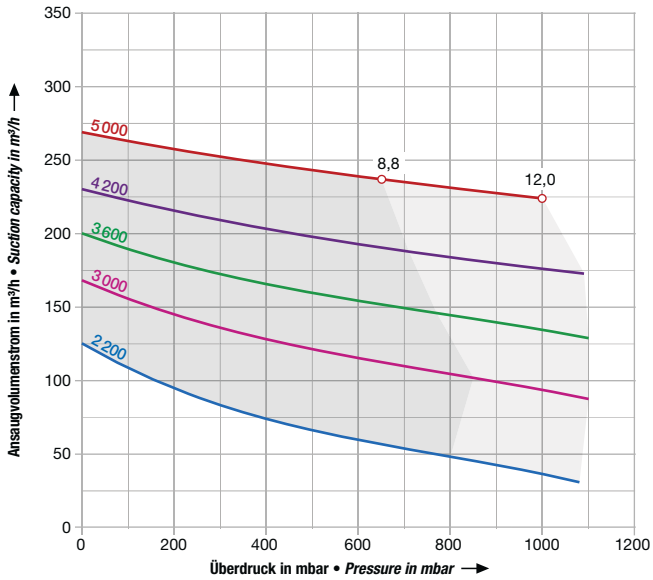

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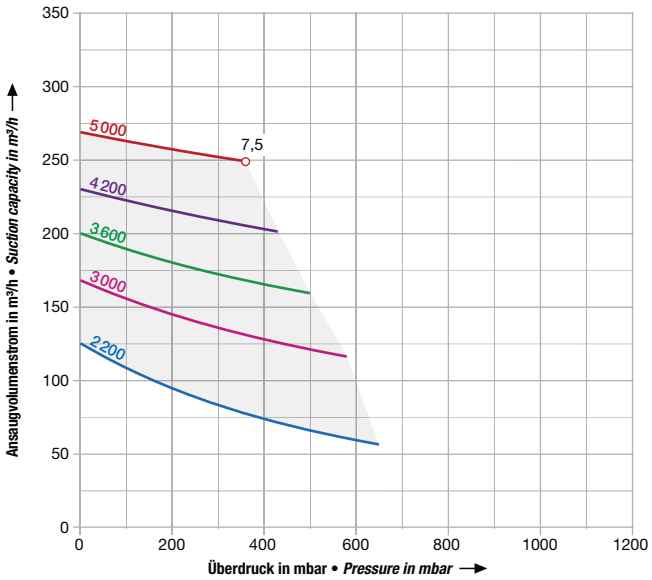

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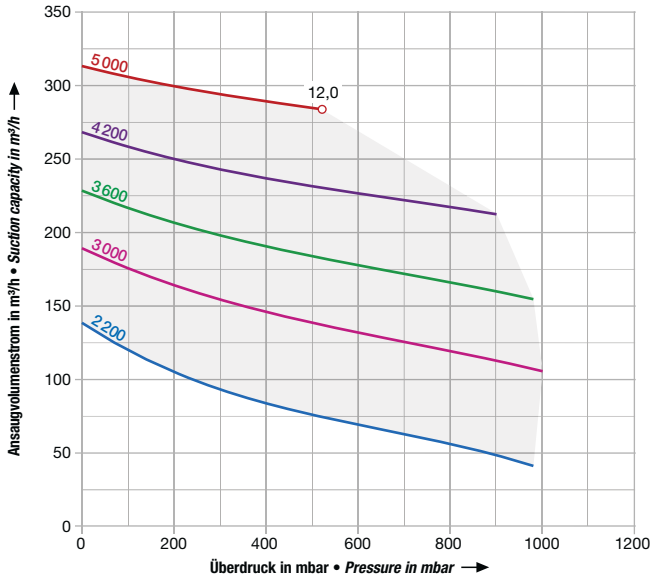

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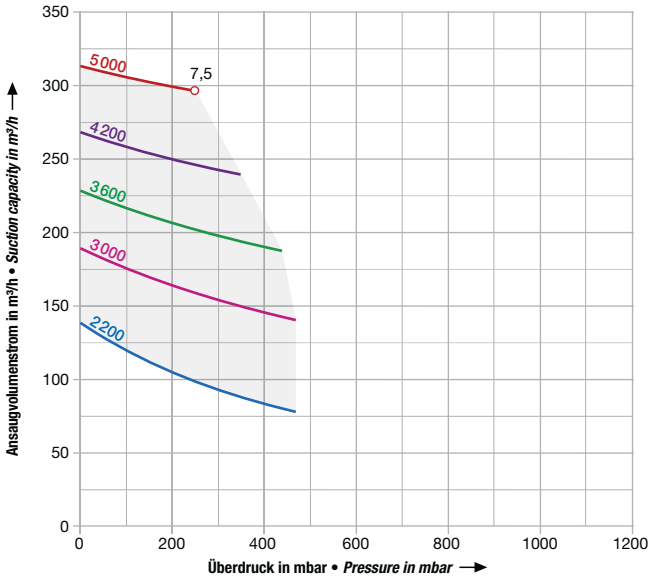

Parameter: Drehzahl in min^{-1} • *Parameter: speed in rpm*

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注）①静圧および風量は、大気温度１５℃、大気圧１０１３ｈPa 下での値となり、±１０%の誤差がございます。
②騒音値は、本体から１m離れた複数の点で測定した値の平均値となります。(EN ISO3744 による)
③定格電圧は、広電圧の場合±５%、単電圧の場合±１０%の許容範囲があります。(DIN EN60034/DIN IEC34-1)
④カタログに掲載されていない型式、内容については、御問合せください。
⑤補助部品については、お取り扱いしているものがございますので、お問い合わせください。
⑥本カタログに記載されている内容については、予告無く変更することがございますので、ご了承ください。

Gardner Denver

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