

## Characteristic

- Five-point bearing design, double oil tanks, high stability.
- Nitrogen gas barrier to block gas from entering the oil tank; prolonging service life.
- Suitability for high temperature, high differential pressure and high vacuum environments, robust design, high reliability.
- Standard materials and various coatings available.
- Internal coating protection against corrosion, especially suitable for petrochemical, chemical and pharmaceutical industries.
- Optional single-point mechanical seal, oil slinger ring seal, eliminating cross contamination, reducing oil consumption.
- Optional five-point mechanical seal, labyrinth seal, completely eliminating cross-contamination, reducing oil consumption.



# MB Series Roots Vacuum Pump

## MB850 - 2700

### CONTACT DETAILS

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**Vacculex Vacuum Equipment  
(Zhejiang) Co.,Ltd.**

## PARAMETER

| Model                      | Unit              | MB850                | MB1200               | MB1600               | MB2000               | MB2700               |
|----------------------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Max. Pumping Speed         | m <sup>3</sup> /h | 1450                 | 2040                 | 2720                 | 3400                 | 4590                 |
|                            | L/s               | 403                  | 567                  | 756                  | 944                  | 1275                 |
| Nominal Pumping Speed      | m <sup>3</sup> /h | 1100                 | 1640                 | 2190                 | 2720                 | 3700                 |
|                            | L/s               | 306                  | 456                  | 608                  | 756                  | 1028                 |
| Ultimate Full Pressure     | Torr              | 7.5×10 <sup>-4</sup> | 7.5×10 <sup>-4</sup> | 7.5×10 <sup>-4</sup> | 7.5×10 <sup>-4</sup> | 7.5×10 <sup>-4</sup> |
|                            | Pa                | 0.1                  | 0.1                  | 0.1                  | 0.1                  | 0.1                  |
| Motor Power                | Kw                | 7.5                  | 7.5                  | 7.5                  | 7.5                  | 7.5                  |
| Recommended Rotation Speed | rpm               | 2900                 | 2900                 | 2900                 | 2900                 | 2900                 |
| Max. Rotation Speed        | rpm               | 3600                 | 3600                 | 3600                 | 3600                 | 3600                 |
| Inlet Flange               | ANSI              | 5"                   | 6"                   | 6"                   | 8"                   | 10"                  |
| Outlet Flange              | ANSI              | 5"                   | 6"                   | 6"                   | 8"                   | 10"                  |
| Cooling Water Flow         | l/min (15°C)      | 1.5                  | 1.9                  | 1.9                  | 1.9                  | 2.8                  |
| Cooling Water Connection   |                   | 1/4NPT               | 1/4NPT               | 1/4NPT               | 1/4NPT               | 1/4NPT               |
| Lubricant Volume           | L                 | 3.79                 | 3.79                 | 3.79                 | 3.79                 | 3.79                 |
| Pump Weight                | Kg                | 204                  | 236                  | 263                  | 310                  | 358                  |

## DIMENSIONS

| Model  | A    | E        | C   | B   | D   |
|--------|------|----------|-----|-----|-----|
| MB850  | 765  | ANSI 6"  | 267 | 467 | 378 |
| MB1200 | 854  | ANSI 6"  | 356 | 513 | 423 |
| MB1600 | 930  | ANSI 6"  | 432 | 551 | 461 |
| MB2000 | 1031 | ANSI 8"  | 533 | 602 | 511 |
| MB2700 | 1183 | ANSI 10" | 686 | 678 | 588 |

