

## HB Series

**HB Series: (700 to 9,900 cfm)**

**Single stage centrifugal turbo blower directly coupled with a permanent magnetic motor**

| Model              |   |      | HB 30                                                             | HB 50    | HB 75    | HB 100    | HB 125    | HB 150    | HB 200    | HB 250    | HB 300        | HB 400    |
|--------------------|---|------|-------------------------------------------------------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|---------------|-----------|
| Type               |   |      | Single Impeller                                                   |          |          |           |           |           |           |           | Dual Impeller |           |
| Discharge Pressure |   |      | Flow rate (CMM/CFM) : 1 atm, 20°C(68°F), 65% / Tolerance= + - 5 % |          |          |           |           |           |           |           |               |           |
| Model              |   |      | HB<br>30                                                          | HB<br>50 | HB<br>75 | HB<br>100 | HB<br>125 | HB<br>150 | HB<br>200 | HB<br>250 | HB<br>300     | HB<br>400 |
| CMM @ 0.6 bar      |   |      | 20                                                                | 34       | 51       | 69        | 85        | 105       | 140       | 164       | 210           | 280       |
| CFM @ 8.7 psi      |   |      | 700                                                               | 1,200    | 1,800    | 2,450     | 3,000     | 3,700     | 4,950     | 5,800     | 7,400         | 9,900     |
| CMM @ 0.8bar       |   |      | 17                                                                | 28       | 42       | 55        | 70        | 84        | 109       | 135       | 164           | 218       |
| CFM @ 11.6 psi     |   |      | 600                                                               | 1,000    | 1,500    | 1,950     | 2,500     | 3,000     | 3,850     | 4,750     | 5,800         | 7,700     |
| CMM @ 1bar         |   |      | -                                                                 | -        | 34       | 45        | -         | 67        | 87        | 104       | 133           | 174       |
| CFM @ 14.5 psi     |   |      |                                                                   |          | 1,200    | 1,600     |           | 2,400     | 3,100     | 3,650     | 4,700         | 6,150     |
| Shaft Power (HP)   |   |      | 30                                                                | 50       | 75       | 100       | 125       | 150       | 200       | 250       | 300           | 400       |
| Exhaust Pipe       |   |      | 150A                                                              | 150A     | 200A     | 200A      | 200A      | 300A      | 300A      | 300A      | 400A          | 500A      |
| Dimension          | W | mm   | 700                                                               | 700      | 850      | 850       | 850       | 900       | 900       | 900       | 1,200         | 1,500     |
|                    |   | Inch | 30                                                                | 30       | 33       | 33        | 33        | 35        | 35        | 35        | 48            | 60        |
|                    | L | mm   | 1,300                                                             | 1,300    | 1,500    | 1,500     | 1,500     | 1,800     | 1,800     | 1,800     | 2,200         | 2,300     |
|                    |   | Inch | 51                                                                | 51       | 59       | 59        | 59        | 71        | 71        | 71        | 87            | 87        |
|                    | H | mm   | 1,100                                                             | 1,100    | 1,400    | 1,400     | 1,400     | 1,650     | 1,650     | 1,650     | 2,000         | 2,000     |
|                    |   | Inch | 43                                                                | 43       | 55       | 55        | 55        | 65        | 65        | 65        | 79            | 79        |
| Weight (kg)        |   |      | 500                                                               | 500      | 700      | 700       | 700       | 900       | 900       | 900       | 1,200         | 1,400     |

**Single stage centrifugal turbo blower directly coupled with a permanent magnetic motor**

- High performance applying proven technologies
- Optimized impeller, permanent magnetic motor and Inverter
- Wide operational flexibility
- Turndown ratio between 45-100%
- Minimizing operating and maintenance costs through semi-permanent components
- Low installation costs by plug & play design
- Stringent quality-control system to reduce risks
- Simple structure and easy access to key components
- Environmental performance through applying oil less air foil bearing technology



■ از ۷۰۰ تا ۹,۹۰۰ (cfm)

■ عملکرد بالا با استفاده از فناوری‌های جدید

■ استفاده از موتور مغناطیس دائمی و درایو

■ ساختار ساده و راه اندازی آسان

■ حفظ محیط زیست از طریق اعمال فناوری برینگهای بدون روغن

