

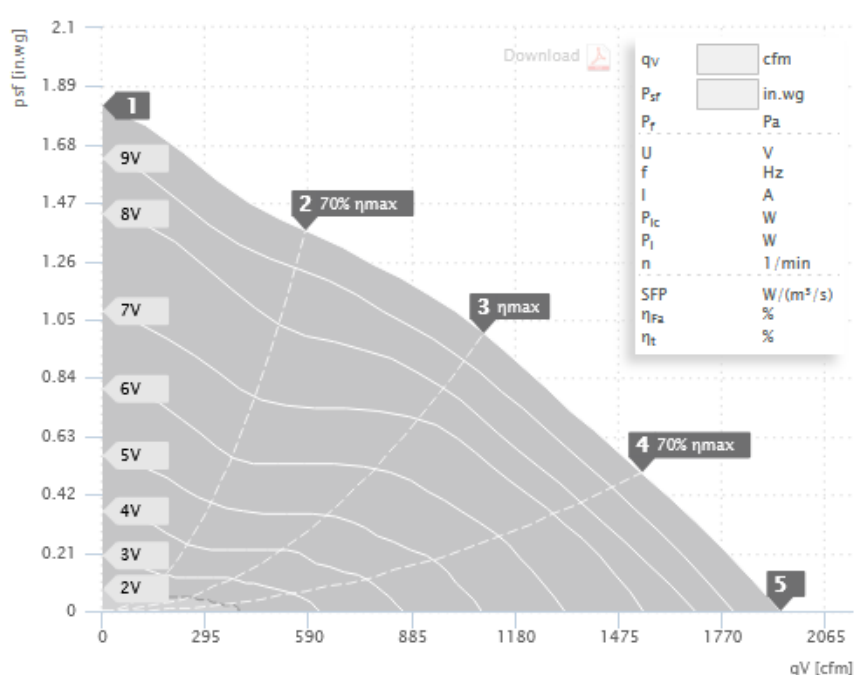
# 14" Prime Evo EC | 147734



Price available upon request

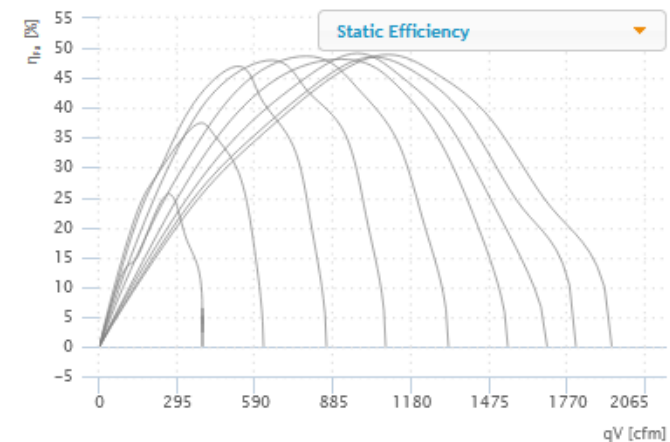
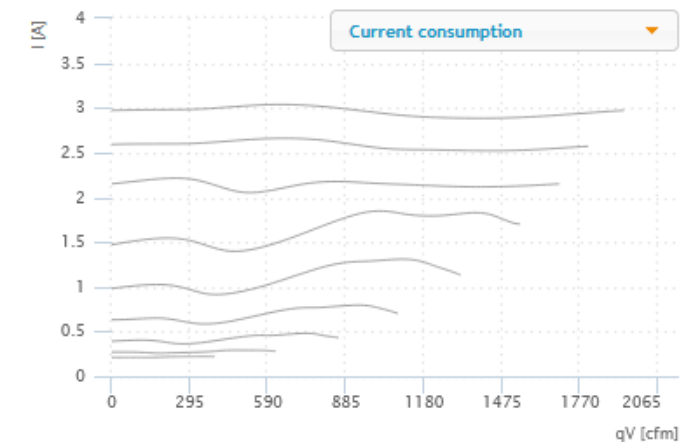
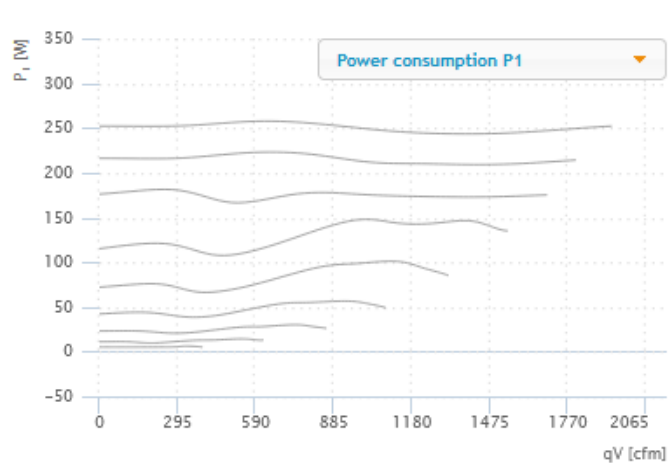
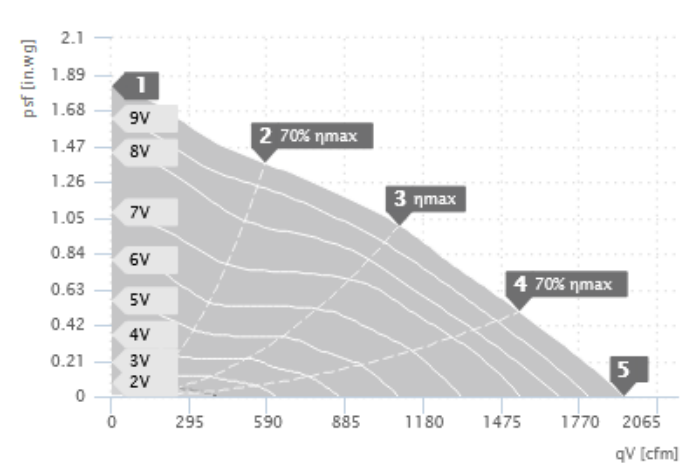
- Mixed flow fan with high efficiency rates
- Best aerodynamic design
- 3D shaped impeller blades
- Corrosion resistant plastic housing
- Powerful EC motor
- Including mounting bracket

| 14" Prime Evo EC   60 Hz          |          |
|-----------------------------------|----------|
| Voltage $U_N$                     | 120 V 1~ |
| Current $I_{max}$                 | 3.1 A    |
| Ambient temperature $t_a$         | 40 °C    |
| Conveyed medium temperature $t_m$ | 40 °C    |
| Speed Control                     | 0-10V    |
| Motor protection                  | TEC      |
| Insulation class motor            | F        |
| Weight                            | 7,3 kg   |
| Number of poles                   | -        |
| IP motor                          | IP30     |
| IP terminal box                   | IP44     |
| Min. operating temperature        | -25 °C   |



| Sound power (L <sub>W</sub> ) dB(A) |                  | Medium Frequency Band |    |     |     |     |    |    |    |    |
|-------------------------------------|------------------|-----------------------|----|-----|-----|-----|----|----|----|----|
|                                     |                  | Σ                     | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| Inlet                               | L <sub>WA5</sub> | -                     | -  | -   | -   | -   | -  | -  | -  | -  |
| Outlet                              | L <sub>WA6</sub> | -                     | -  | -   | -   | -   | -  | -  | -  | -  |
| Housing radiation                   | L <sub>WA2</sub> | -                     | -  | -   | -   | -   | -  | -  | -  | -  |

| Operating Point                 |       | 1    | 2    | 3    | 4    | 5    |
|---------------------------------|-------|------|------|------|------|------|
| Current $I$                     | A     | 3    | 3    | 2.9  | 2.9  | 3    |
| Power consumption $P_1$         | W     | 251  | 257  | 247  | 244  | 252  |
| Rotation speed $n$              | 1/min | 2083 | 2173 | 1904 | 1868 | 2003 |
| SWL inlet $L_{WA5}$             | dB(A) | 79   | 78   | 78   | 75   | 79   |
| SWL outlet $L_{WA6}$            | dB(A) | 84   | 81   | 78   | 78   | 80   |
| SWL housing break out $L_{WA2}$ | dB(A) | 64   | 65   | 67   | 68   | 66   |



|                                    |    |       |  |                                                   |  |  |  |       |      |
|------------------------------------|----|-------|--|---------------------------------------------------|--|--|--|-------|------|
| Type 14" Prime Evo EC<br>ID 147734 |    |       |  | Rated current                                     |  |  |  | A     | 3    |
|                                    |    |       |  | Rated speed                                       |  |  |  | 1/min | 2180 |
| Connection data entire unit        |    |       |  | Max. static efficiency                            |  |  |  | %     | 48.8 |
| Rated frequency                    | Hz | 60    |  | Max. total efficiency                             |  |  |  | %     | 50.8 |
| Rated voltage                      | V  | 120   |  | Max. allowed frequency (3" motors)                |  |  |  | Hz    | -    |
| Rated power                        | W  | 258   |  | Max. allowed RPM (EC-motors)                      |  |  |  | 1/min | -    |
| Max. operating current             | A  | 3.1   |  | Max. power consumption                            |  |  |  | W     | 258  |
| Phase                              |    | 1~    |  | Max. current consumption                          |  |  |  | A     | 3.1  |
| Motor Type                         |    | EC    |  | Max. rotation speed                               |  |  |  | 1/min | 2180 |
| Type of motor control              |    | 0-10V |  | Max. air flow                                     |  |  |  | m³/h  | 3280 |
| Motor protection                   |    | TEC   |  | Min. pressure                                     |  |  |  | Pa    | -    |
| Capacitor µ                        | µF | -     |  | Max. pressure                                     |  |  |  | Pa    | 450  |
| Capacitor voltage                  | V  | -     |  | Max. allowed ambient temperature at rated current |  |  |  | °C    | 40   |
| Insulation class motor             |    | F     |  | Max. allowed medium temperature at rated current  |  |  |  | °C    | 40   |
| Number of poles                    |    | -     |  | Max. allowed ambient temperature                  |  |  |  | °C    | 40   |
| IP motor                           |    | IP30  |  | Max. allowed medium temperature                   |  |  |  | °C    | 40   |
| IP terminal box                    |    | IP44  |  | Blocking current                                  |  |  |  | A     | -    |
| IP complete unit                   |    | IPX4  |  | Min. allowed voltage                              |  |  |  | V     | -    |
| Min. operating temperature         | °C | -25   |  | Weight                                            |  |  |  | kg    | 7,3  |

| Sound Measurement (Octave) |                  |       |   | Σ  | 63 Hz | 125 Hz | 250 Hz | 500 Hz | 1k Hz | 2k Hz | 4k Hz | 8k Hz |
|----------------------------|------------------|-------|---|----|-------|--------|--------|--------|-------|-------|-------|-------|
| SWL inlet                  | L <sub>WA5</sub> | dB(A) | 1 | 79 | 52    | 64     | 68     | 75     | 74    | 71    | 67    | 56    |
|                            |                  |       | 2 | 78 | 56    | 62     | 66     | 74     | 72    | 69    | 64    | 52    |
|                            |                  |       | 3 | 78 | 46    | 57     | 66     | 75     | 72    | 69    | 66    | 57    |
|                            |                  |       | 4 | 75 | 27    | 43     | 55     | 72     | 70    | 68    | 66    | 54    |
|                            |                  |       | 5 | 79 | 30    | 45     | 59     | 75     | 73    | 72    | 69    | 59    |
| SWL outlet                 | L <sub>WA6</sub> | dB(A) | 1 | 84 | 52    | 67     | 72     | 78     | 80    | 75    | 69    | 60    |
|                            |                  |       | 2 | 81 | 57    | 63     | 69     | 76     | 77    | 72    | 65    | 54    |
|                            |                  |       | 3 | 78 | 39    | 52     | 64     | 74     | 73    | 69    | 66    | 56    |
|                            |                  |       | 4 | 78 | 27    | 45     | 62     | 75     | 73    | 69    | 66    | 56    |
|                            |                  |       | 5 | 80 | 34    | 47     | 64     | 76     | 75    | 72    | 70    | 60    |
| SWL housing break out      | L <sub>WA2</sub> | dB(A) | 1 | 64 | 52    | 54     | 50     | 60     | 59    | 54    | 45    | 39    |
|                            |                  |       | 2 | 65 | 56    | 52     | 47     | 61     | 60    | 52    | 41    | 33    |
|                            |                  |       | 3 | 67 | 30    | 36     | 41     | 66     | 56    | 47    | 39    | 32    |
|                            |                  |       | 4 | 68 | 26    | 32     | 37     | 68     | 56    | 47    | 38    | 26    |
|                            |                  |       | 5 | 66 | 30    | 35     | 39     | 63     | 62    | 51    | 41    | 29    |