

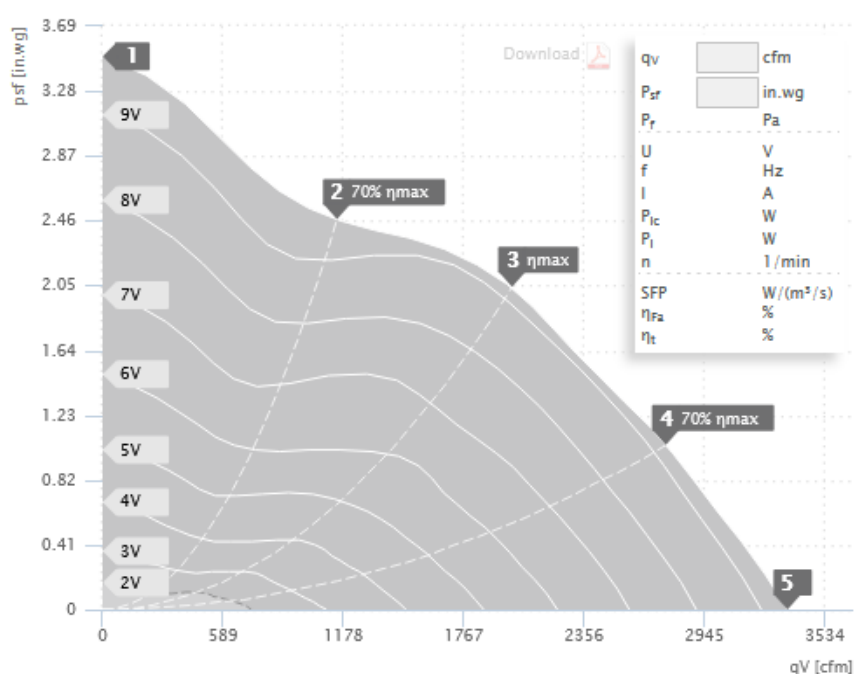
# 16" Prime Evo EC | 147779



Price available upon request

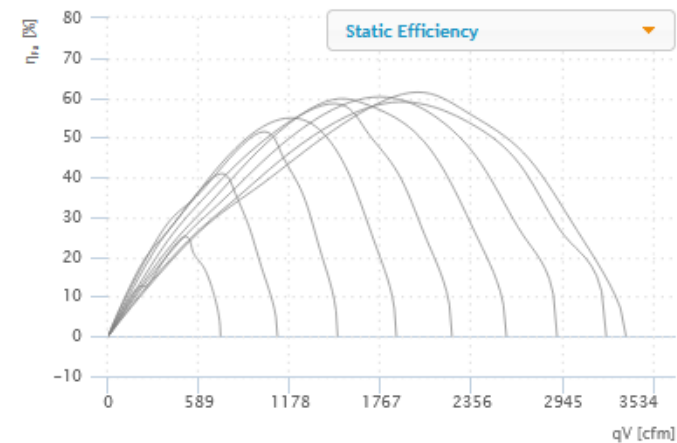
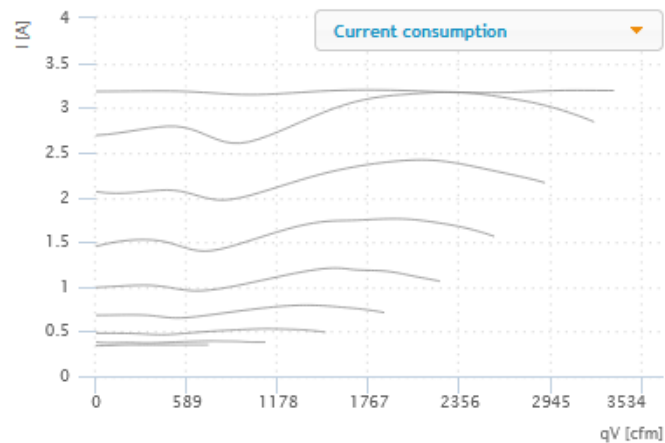
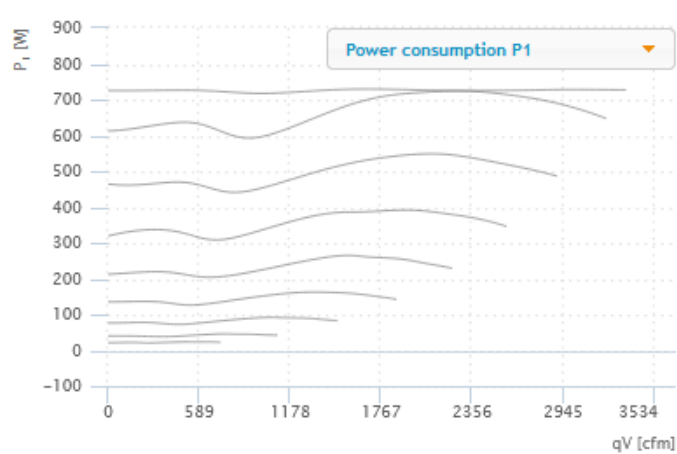
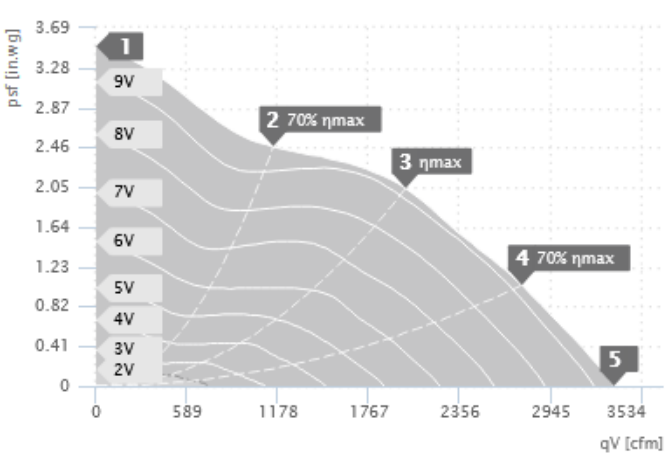
- Mixed flow fan with high efficiency rates
- Best aerodynamic design
- 3D shaped impeller blades
- Corrosion resistant plastic housing
- Powerful EC motor
- Including mounting bracket

| 16" Prime Evo EC   60 Hz          |          |
|-----------------------------------|----------|
| Voltage $U_N$                     | 240 V 1~ |
| Current $I_{max}$                 | 3.4 A    |
| Ambient temperature $t_A$         | 60 °C    |
| Conveyed medium temperature $t_M$ | 60 °C    |
| Speed Control                     | 0-10V    |
| Motor protection                  | TEC      |
| Insulation class motor            | B        |
| Weight                            | 11,6 kg  |
| Number of poles                   | -        |
| IP motor                          | IP20     |
| IP terminal box                   | -        |
| 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     | 3.2  | 3.1  | 3.2  | 3.2  | 3.2  |
| Power consumption $P_i$         | W     | 721  | 719  | 727  | 726  | 727  |
| Rotation speed $n$              | 1/min | 2559 | 2610 | 2287 | 2347 | 2479 |
| SWL inlet $L_{WA5}$             | dB(A) | 89   | 86   | 81   | 79   | 82   |
| SWL outlet $L_{WA6}$            | dB(A) | 92   | 90   | 86   | 85   | 86   |
| SWL housing break out $L_{WA2}$ | dB(A) | 70   | 69   | 64   | 58   | 62   |



Type 16" Prime Evo EC  
ID 147779

| Connection data entire unit |    |       |
|-----------------------------|----|-------|
| Rated frequency             | Hz | 60    |
| Rated voltage               | V  | 240   |
| Rated power                 | W  | 729   |
| Max. operating current      | A  | 3.4   |
| Phase                       |    | 1~    |
| Motor Type                  |    | EC    |
| Type of motor control       |    | 0-10V |
| Motor protection            |    | TEC   |
| Capacitor μ                 | μF | -     |
| Capacitor voltage           | V  | -     |
| Insulation class motor      |    | B     |
| Number of poles             |    | -     |
| IP motor                    |    | IP20  |
| IP terminal box             |    | -     |
| IP complete unit            |    | -     |
| Min. operating temperature  | °C | -25   |

|                                                   |       |      |
|---------------------------------------------------|-------|------|
| Rated current                                     | A     | 3.2  |
| Rated speed                                       | 1/min | 2290 |
| Max. static efficiency                            | %     | 61.5 |
| Max. total efficiency                             | %     | 65.3 |
| Max. allowed frequency (3" motors)                | Hz    | -    |
| Max. allowed RPM (EC-motors)                      | 1/min | -    |
| Max. power consumption                            | W     | 729  |
| Max. current consumption                          | A     | 3.4  |
| Max. rotation speed                               | 1/min | 2620 |
| Max. air flow                                     | m³/h  | 5700 |
| Min. pressure                                     | Pa    | -    |
| Max. pressure                                     | Pa    | 870  |
| Max. allowed ambient temperature at rated current | °C    | 60   |
| Max. allowed medium temperature at rated current  | °C    | 60   |
| Max. allowed ambient temperature                  | °C    | 60   |
| Max. allowed medium temperature                   | °C    | 60   |
| Blocking current                                  | A     | -    |
| Min. allowed voltage                              | V     | -    |
| Weight                                            | kg    | 11,6 |

| 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 | 89    | 59     | 71     | 79     | 83    | 84    | 82    | 78    | 70 |
|                            |                  |       | 2 | 86    | 65     | 73     | 76     | 81    | 82    | 79    | 73    | 64 |
|                            |                  |       | 3 | 81    | 44     | 58     | 71     | 75    | 76    | 74    | 71    | 64 |
|                            |                  |       | 4 | 79    | 36     | 49     | 68     | 72    | 73    | 72    | 71    | 63 |
|                            |                  |       | 5 | 82    | 38     | 51     | 69     | 75    | 77    | 75    | 75    | 68 |
| SWL outlet                 | L <sub>WA6</sub> | dB(A) | 1 | 92    | 58     | 74     | 81     | 87    | 89    | 84    | 79    | 71 |
|                            |                  |       | 2 | 90    | 66     | 73     | 77     | 85    | 86    | 81    | 76    | 67 |
|                            |                  |       | 3 | 86    | 43     | 57     | 74     | 81    | 81    | 76    | 73    | 65 |
|                            |                  |       | 4 | 85    | 35     | 50     | 75     | 80    | 80    | 76    | 73    | 64 |
|                            |                  |       | 5 | 86    | 38     | 52     | 74     | 81    | 82    | 79    | 76    | 70 |
| SWL housing break out      | L <sub>WA2</sub> | dB(A) | 1 | 70    | 59     | 61     | 62     | 64    | 65    | 58    | 51    | 45 |
|                            |                  |       | 2 | 69    | 64     | 59     | 57     | 61    | 63    | 55    | 47    | 41 |
|                            |                  |       | 3 | 64    | 52     | 53     | 54     | 58    | 59    | 51    | 44    | 38 |
|                            |                  |       | 4 | 58    | 38     | 41     | 47     | 53    | 55    | 48    | 42    | 34 |
|                            |                  |       | 5 | 62    | 39     | 43     | 50     | 56    | 59    | 52    | 46    | 40 |