

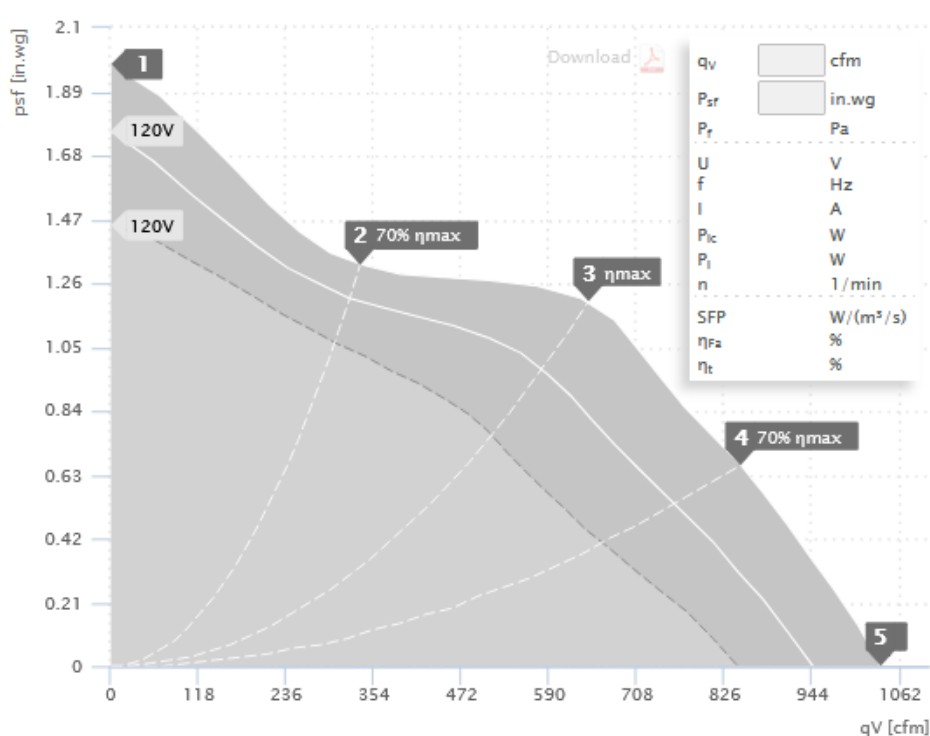
# 10" S-Prime | 147500



Price available upon request

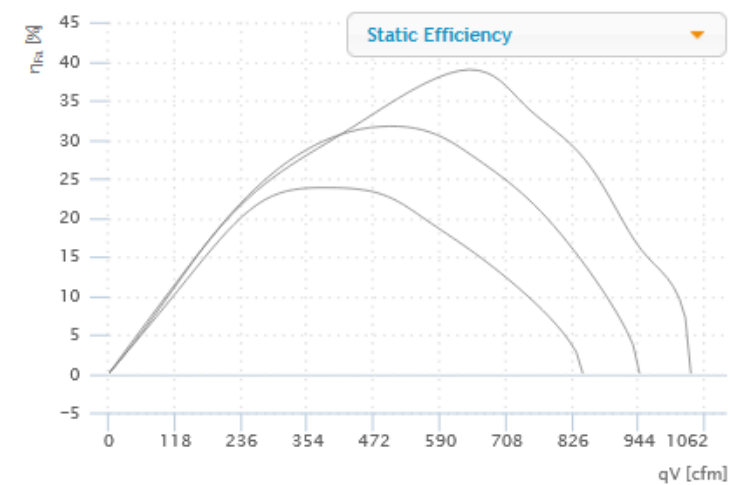
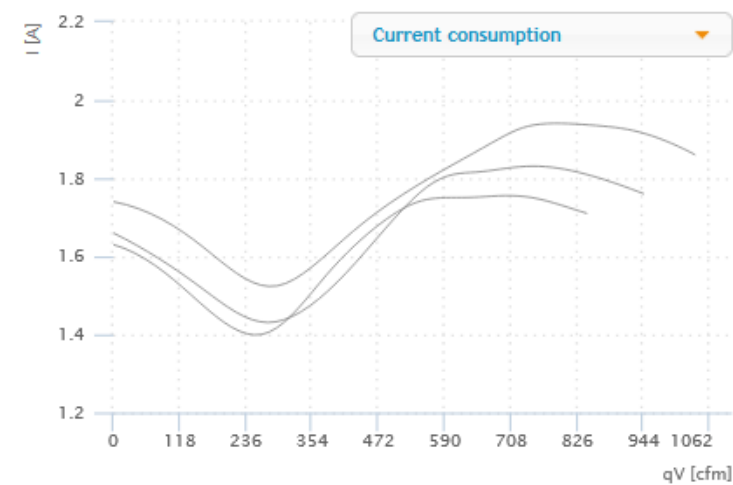
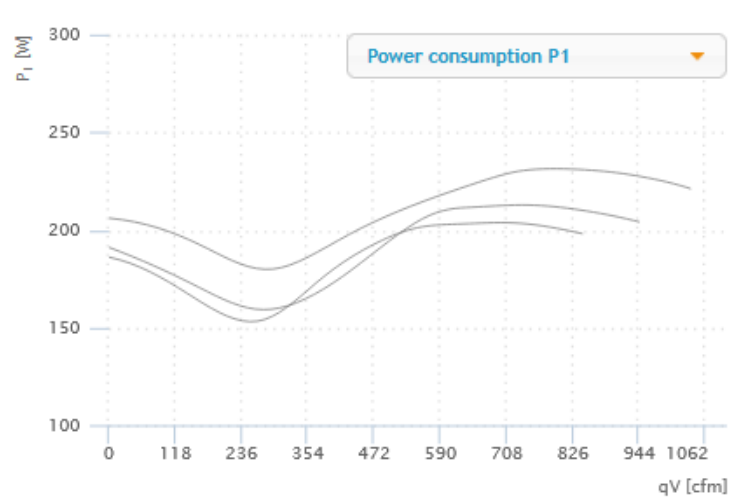
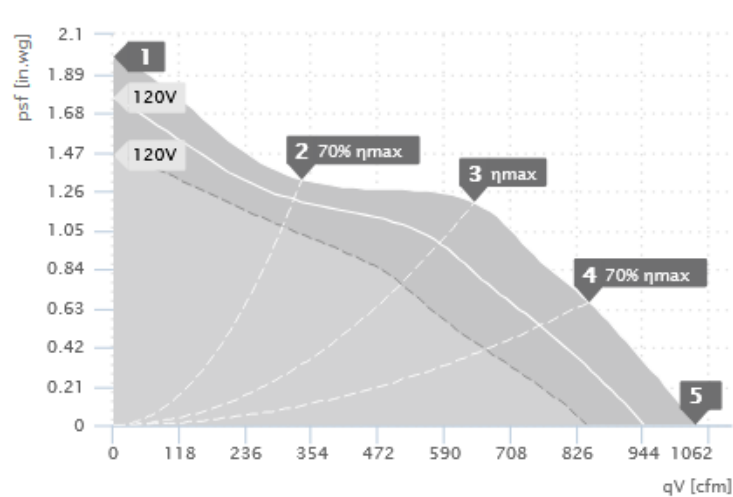
- Sound insulated casing for silent operation
- Incorporated Prime mixed flow fan
- Very high efficiency rates
- Integrated 3-speed switch
- One-phase AC motor
- Galvanized sheet steel casing

| 10" S-Prime   60 Hz               |          |
|-----------------------------------|----------|
| Voltage $U_N$                     | 120 V 1~ |
| Current $I_{max}$                 | 2 A      |
| Ambient temperature $t_A$         | 40 °C    |
| Conveyed medium temperature $t_M$ | 40 °C    |
| Speed Control                     | 3-2-1    |
| Motor protection                  | TAI      |
| Insulation class motor            | F        |
| Weight                            | 10,5 kg  |
| Number of poles                   | 2        |
| IP motor                          | IP33     |
| 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     |                 | 1.7  | 1.6  | 1.9  | 1.9  | 1.9  |
| Power consumption $P_1$         | W     |                 | 206  | 183  | 223  | 231  | 221  |
| Rotation speed $n$              | 1/min |                 | 3064 | 3172 | 2975 | 2938 | 3001 |
| SWL inlet $L_{WA5}$             | dB(A) |                 | 75   | 74   | 70   | 71   | 75   |
| SWL outlet $L_{WA6}$            | dB(A) |                 | 74   | 74   | 72   | 73   | 77   |
| SWL housing break out $L_{WA2}$ | dB(A) |                 | 63   | 62   | 64   | 64   | 65   |



|                               |    |       |                                                   |  |       |      |
|-------------------------------|----|-------|---------------------------------------------------|--|-------|------|
| Type 10" S-Prime<br>ID 147500 |    |       | Rated current                                     |  | A     | 1.9  |
|                               |    |       | Rated speed                                       |  | 1/min | 2930 |
|                               |    |       | Max. static efficiency                            |  | %     | 37.6 |
|                               |    |       | Max. total efficiency                             |  | %     | 40.4 |
|                               |    |       | Max. allowed frequency (3" motors)                |  | Hz    | -    |
|                               |    |       | Max. allowed RPM (EC-motors)                      |  | 1/min | -    |
|                               |    |       | Max. power consumption                            |  | W     | 231  |
|                               |    |       | Max. current consumption                          |  | A     | 2    |
|                               |    |       | Max. rotation speed                               |  | 1/min | 3200 |
|                               |    |       | Max. air flow                                     |  | m³/h  | 1760 |
|                               |    |       | Min. pressure                                     |  | Pa    | -    |
|                               |    |       | Max. pressure                                     |  | Pa    | 490  |
|                               |    |       | Max. allowed ambient temperature at rated current |  | °C    | 40   |
|                               |    |       | Max. allowed medium temperature at rated current  |  | °C    | 40   |
|                               |    |       | Max. allowed ambient temperature                  |  | °C    | 40   |
|                               |    |       | Max. allowed medium temperature                   |  | °C    | 40   |
|                               |    |       | Blocking current                                  |  | A     | -    |
|                               |    |       | Min. allowed voltage                              |  | V     | 120  |
|                               |    |       | Weight                                            |  | kg    | 10,5 |
| Connection data entire unit   |    |       |                                                   |  |       |      |
| Rated frequency               | Hz | 60    |                                                   |  |       |      |
| Rated voltage                 | V  | 120   |                                                   |  |       |      |
| Rated power                   | W  | 231   |                                                   |  |       |      |
| Max. operating current        | A  | 2     |                                                   |  |       |      |
| Phase                         |    | 1~    |                                                   |  |       |      |
| Motor Type                    |    | 1~    |                                                   |  |       |      |
| Type of motor control         |    | 3-2-1 |                                                   |  |       |      |
| Motor protection              |    | TAI   |                                                   |  |       |      |
| Capacitor µ                   | µF | 20    |                                                   |  |       |      |
| Capacitor voltage             | V  | 250   |                                                   |  |       |      |
| Insulation class motor        |    | F     |                                                   |  |       |      |
| Number of poles               |    | 2     |                                                   |  |       |      |
| IP motor                      |    | IP33  |                                                   |  |       |      |
| IP terminal box               |    | -     |                                                   |  |       |      |
| IP complete unit              |    | IPX4  |                                                   |  |       |      |
| Min. operating temperature    | °C | -25   |                                                   |  |       |      |

| 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 | 75 | 50    | 63     | 72     | 68     | 64    | 65    | 64    | 58    |
|                            |                  |       | 2 | 74 | 48    | 62     | 72     | 67     | 64    | 63    | 61    | 54    |
|                            |                  |       | 3 | 70 | 46    | 50     | 64     | 64     | 62    | 61    | 59    | 51    |
|                            |                  |       | 4 | 71 | 35    | 50     | 65     | 64     | 63    | 63    | 65    | 53    |
|                            |                  |       | 5 | 75 | 45    | 51     | 68     | 68     | 65    | 66    | 70    | 57    |
| SWL outlet                 | L <sub>WA6</sub> | dB(A) | 1 | 74 | 55    | 65     | 66     | 69     | 70    | 62    | 60    | 54    |
|                            |                  |       | 2 | 74 | 55    | 64     | 66     | 69     | 70    | 62    | 58    | 51    |
|                            |                  |       | 3 | 72 | 47    | 53     | 65     | 68     | 68    | 59    | 55    | 46    |
|                            |                  |       | 4 | 73 | 45    | 52     | 65     | 68     | 69    | 61    | 57    | 48    |
|                            |                  |       | 5 | 77 | 58    | 56     | 70     | 72     | 72    | 64    | 62    | 51    |
| SWL housing break out      | L <sub>WA2</sub> | dB(A) | 1 | 63 | 53    | 58     | 54     | 53     | 54    | 54    | 46    | 37    |
|                            |                  |       | 2 | 62 | 49    | 57     | 52     | 53     | 54    | 52    | 43    | 35    |
|                            |                  |       | 3 | 64 | 64    | 48     | 47     | 48     | 49    | 48    | 39    | 29    |
|                            |                  |       | 4 | 64 | 63    | 48     | 47     | 48     | 50    | 49    | 42    | 30    |
|                            |                  |       | 5 | 65 | 63    | 49     | 50     | 53     | 53    | 52    | 46    | 32    |