

**Technical Characteristics**

- Aluminum alloy construction
- Smooth operation
- Maintenance free

**Electric Motor**

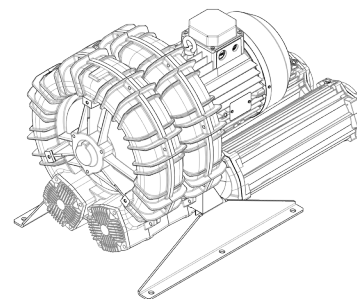
- Motors with IP 55 protection rating.
- class F insulation, suitable for operating with inverter (refer to FPZ)
- Thermal Protector (PTO) as standard

**Options**

- Special voltages (IEC 60038)
- Surface treatments
- Increased seal version

| ~3         | [V] ( $\Delta$ / Y)   | [Hz] |
|------------|-----------------------|------|
| IE2        | 400 / 690             | 50   |
|            | 460 / 795             | 60   |
| Wide Range | 345 – 415 / 600 – 720 | 50   |
|            | 380 – 480 / 660 – 830 | 60   |

**Supply voltage - IE2 only at 50 Hz - Tolerance on the fixed voltage value  $\pm 10\%$ , in range  $\pm 5\%$ .**

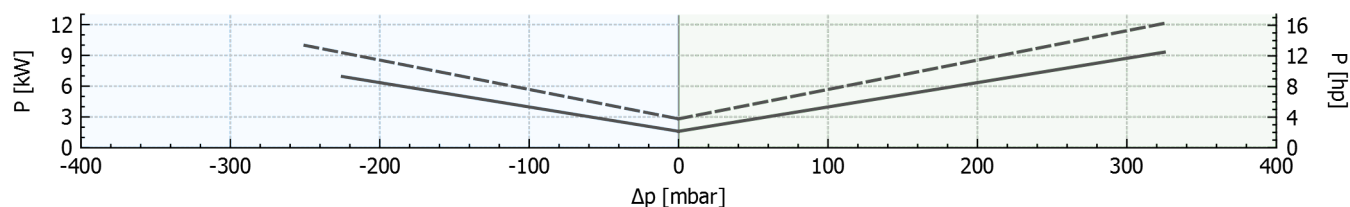
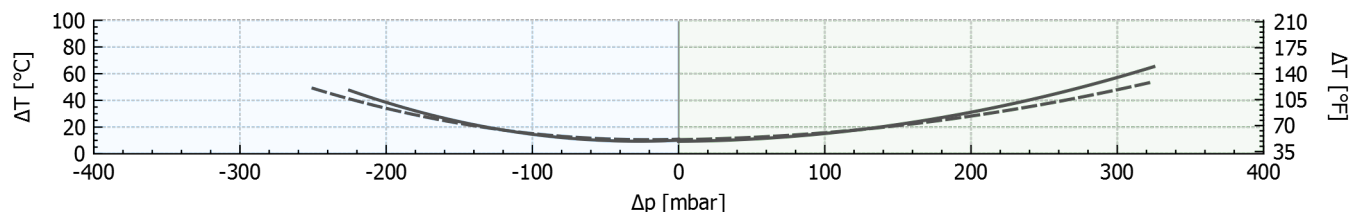
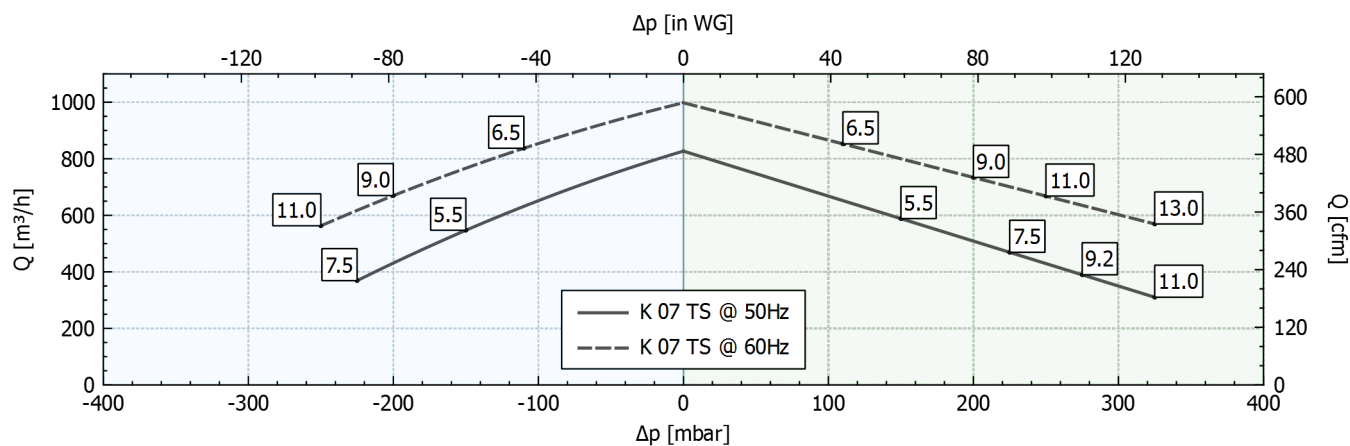

**Performance Table**

| P <sub>n</sub><br>[kW] | Frequency<br>[Hz] | $\Delta p_{\max}$<br>[mbar] |             | Q <sub>max</sub><br>[m³/h] | Leq¹<br>[dB(A)] | Weight<br>[kg] | H³<br>[mm] | Current Consumption ( $\Delta$ / Y)<br>[A] |                       | Cos $\phi$<br>[-] | Speed<br>[rpm] |
|------------------------|-------------------|-----------------------------|-------------|----------------------------|-----------------|----------------|------------|--------------------------------------------|-----------------------|-------------------|----------------|
|                        |                   | Suction                     | Compression |                            |                 |                |            | IE2²                                       | Range                 |                   |                |
| 5.5                    | 50                | 150                         | 150         | 827                        | 82.5            | 93.5           | 580        | 6.40 / 11.1                                | 6.81-6.75 / 11.8-11.7 | 0.8               | 2940           |
| 6.5                    | 60                | 110                         | 110         | 998                        | 84.5            | 93.5           | 580        | 6.38 / 11.1                                | 7.21-6.47 / 12.5-11.2 | 0.84              | 3535           |
| 7.5                    | 50                | 225                         | 225         | 827                        | 82.5            | 98.5           | 580        | 9.06 / 15.7                                | 9.18-9.47 / 15.9-16.4 | 0.78              | 2940           |
| 9                      | 60                | 200                         | 200         | 998                        | 84.5            | 98.5           | 580        | 8.86 / 15.34                               | 9.87-9.00 / 17.1-15.6 | 0.83              | 3530           |
| 9.2                    | 50                | -                           | 275         | 827                        | 82.5            | 103.5          | 620        | 10.3 / 17.8                                | 11.1-10.6 / 19.2-18.3 | 0.83              | 2940           |
| 11                     | 60                | 250                         | 250         | 998                        | 84.5            | 103.5          | 620        | 10.3 / 17.9                                | 11.9-10.3 / 20.6-17.9 | 0.86              | 3530           |
| 11                     | 50                | -                           | 325         | 827                        | 82.5            | 110            | 620        | 12.53 / 21.7                               | 13.0-12.9 / 22.6-22.3 | 0.81              | 2940           |
| 13                     | 60                | -                           | 325         | 998                        | 84.5            | 110            | 620        | 12.2 / 21.2                                | 13.8-12.4 / 23.9-21.4 | 0.84              | 3530           |

1. Noise level measured at a distance of 1 m with ducted intake and delivery, in accordance with Standard ISO 3744.

2. IE2 only at 50 Hz.

3. See figure "dimensions" at following page.

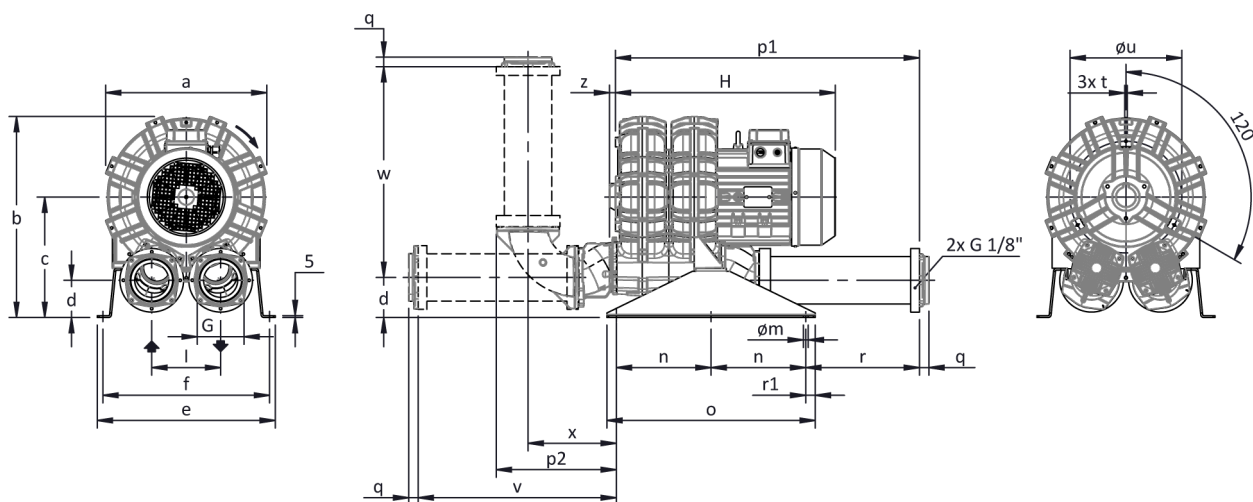
**SUCTION**
**COMPRESSION**


Tolerance on indicated values  $\pm 10\%$ .

Data subject to change without notice.

Curves referring to air at a temperature of 20 °C and atmospheric pressure of 1013 mbar (abs).

## Dimensions



Configuration with a vertical silencer is only available with the CK accessory kit; for all assembly options refer to FPZ.

NOT Binding  
 Dimensions in mm

| a   | b   | c   | d  | d1 | e   | f   | G    | I   | I1 | I2 | m  | n   | o   | p1  | p2  | q  | r   | r1 | s | t  | u   | v   | w   | x   | y | z  |
|-----|-----|-----|----|----|-----|-----|------|-----|----|----|----|-----|-----|-----|-----|----|-----|----|---|----|-----|-----|-----|-----|---|----|
| 424 | 531 | 319 | 98 | -  | 470 | 438 | G 4" | 182 | -  | -  | 13 | 250 | 550 | 802 | 315 | 25 | 299 | 25 | 5 | M8 | 295 | 522 | 581 | 276 | - | 16 |

## INSTALLATION

- For proper operation of the machine, it must be provided with a suction FILTER and a vacuum/pressure limiting VALVE.
- Other accessories are available on request.
- Permissible ambient and fluid temperature in suction from -15 °C to +40 °C.
- Read the instruction manual carefully before installing the machine.