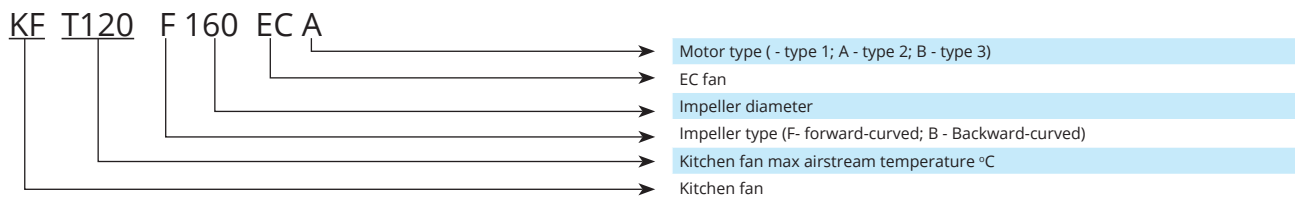


KF-T120 EC



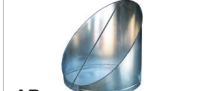








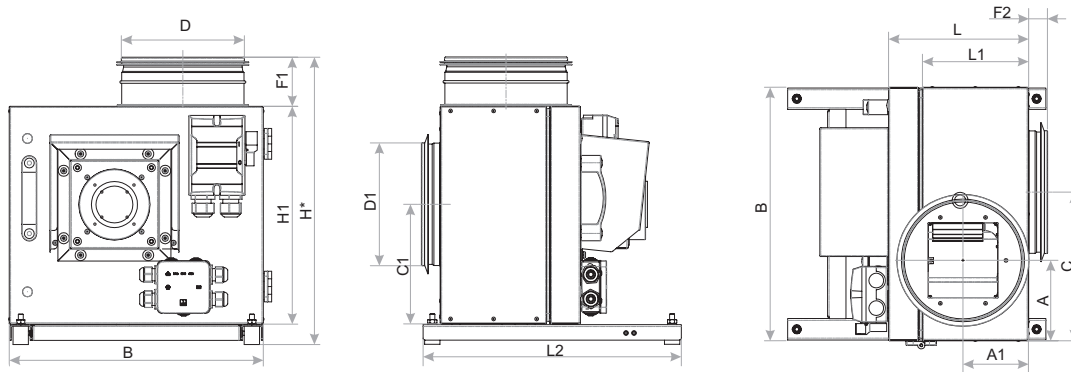
NEW!

| | |
|------------------------------|---|
| Features | <ul style="list-style-type: none"> › 8 sizes; › Airflow up to 6687 m³/h; › Forward- or Backward-curved galvanized steel impeller; › Max air stream temperature - 120°C; › Fan speed 100% controllable by 0-10 V signal; › Energy efficient; › Easily serviceable. |
| Power supply | 230V/50Hz/1f or 400V/50Hz/3f. |
| Temperature range | -25°C to +40°C. |
| Sizes | 160, 180, 200, 250, 280, 315, 355, 400. |
| Construction | <ul style="list-style-type: none"> › Casing: galvanized steel; › Acoustic and thermal wall insulation – 50mm; › Anti-vibration pads; › Easily removable grease tray; › Stainless steel drain connection; › Service door opening on left side; › Galvanized steel roofing; › On/Off safety switch (optional); › Fan: centrifugal impeller and external rotor motor; › Motor protection integrated into motor electronics; › Motor protection class: IP54; › Terminal box protection class: IP55. |
| Installation | <ul style="list-style-type: none"> › Can be installed outdoors. › Mounting position: vertical. |
| Speed control options | <ul style="list-style-type: none"> › 10 kΩ potentiometer; › External signal 0-10 VDC/PWM from user controller. › Can be connected directly to optional constant pressure sensors, CO2, RH |



Accessories

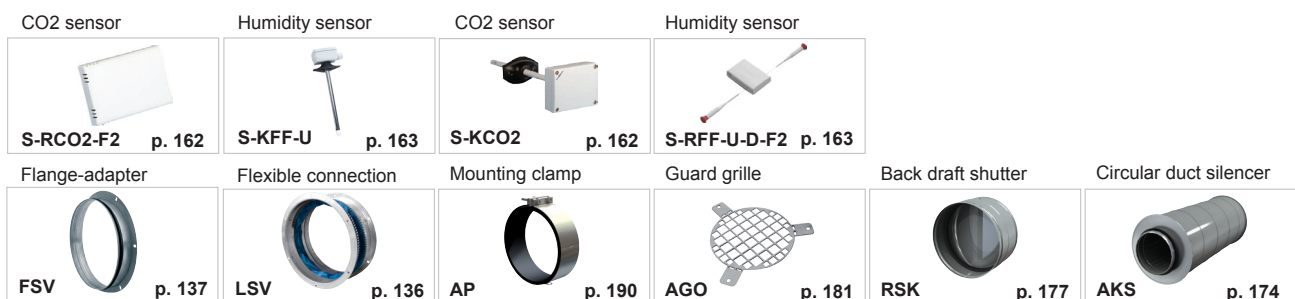
| | | | | | |
|--|--|---|--|--|--|
| <p>Coupling</p>  <p>NPU p. 194</p> | <p>Flexible connection for high temperature</p>  <p>RC-MAN-PU p. 195</p> | <p>Air outlet</p>  <p>AB p. 196</p> | | | |
| <p>0-10V speed controller</p>  <p>MTP010* p. 128</p> | <p>Controller</p>  <p>Stouch* p. 130</p> | <p>Main switch</p>  <p>Main switch p. 164</p> | <p>Controller</p>  <p>SMT-D-4P-EL</p> | <p>SPS differential pressure transmitter</p>  <p>S-1141** p. 161</p> | <p>Back draft shutter</p>  <p>ATS p. 135</p> |



*Estimated dimension

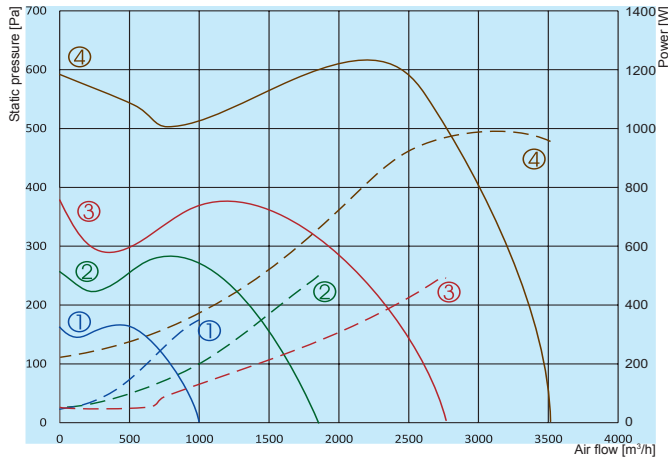
| Type | Dimensions [mm] | | | | | | | | | | | | | |
|------------------|-----------------|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|
| | A | A1 | B | C | C1 | øD | øD1 | F1 | F2 | H | H1 | L | L1 | L2 |
| KF-T120 F 160 EC | 131 | 107 | 413 | 242 | 195 | 200 | 200 | 80 | 31 | 469 | 355 | 228 | 173 | 420 |
| KF-T120 F 180 EC | 146 | 112 | 456 | 270 | 213 | 200 | 200 | 80 | 31 | 495 | 382 | 237 | 182 | 420 |
| KF-T120 F 200 EC | 149 | 119 | 484 | 285 | 228 | 200 | 200 | 80 | 31 | 520 | 407 | 251 | 196 | 500 |
| KF-T120 F 250 EC | 170 | 126 | 577 | 341 | 278 | 315 | 315 | 90 | 40 | 623 | 500 | 291 | 236 | 620 |
| KF-T120 F 280 EC | 180 | 153 | 625 | 367 | 304 | 315 | 315 | 90 | 40 | 661 | 537 | 308 | 253 | 620 |
| KF-T120 B 315 EC | 195 | 142 | 695 | 410 | 339 | 315 | 315 | 90 | 40 | 724 | 601 | 298 | 243 | 620 |
| KF-T120 B 355 EC | 211 | 163 | 770 | 455 | 370 | 400 | 400 | 190 | 71 | 878 | 655 | 340 | 285 | 620 |
| KF-T120 B 400 EC | 202 | 170 | 750 | 451 | 355 | 400 | 400 | 190 | 71 | 863 | 640 | 353 | 298 | 620 |

| Type | Accessories | | | | | | | | | |
|------------------|--------------------------------|---------------------|-------------------------|-----------------|----------------|---------------------------|-------------------|------------------|---------------|--|
| | Stouch* MTP010* S-1141** | S-RCO2-F2 S-KCO2 | S-RFF-U-D-F2 S-KFF-U | SMT-D-4P- EL | Main switch | AP AGO AKS/ SAKS | ATS LSV FSV | RSK NPU AB | RC- MAN-PU | |
| KF-T120 F 160 EC | + | + | + | + | + | 200 | - | 200 | 200 | |
| KF-T120 F 180 EC | + | + | + | + | + | 200 | - | 200 | 200 | |
| KF-T120 F 200 EC | + | + | + | + | + | 200 | - | 200 | 200 | |
| KF-T120 F 250 EC | + | + | + | + | + | 315 | 355-500 | 315 | 315 | |
| KF-T120 F 280 EC | + | + | + | + | + | 315 | 355-500 | 315 | 315 | |
| KF-T120 B 315 EC | + | + | + | + | + | 315 | 355-500 | 315 | 315 | |
| KF-T120 B 355 EC | + | + | + | + | + | 400 | 355-500 | 400 | 400 | |
| KF-T120 B 400 EC | + | + | + | + | + | 400 | 355-500 | 400 | 400 | |



* Can be used only with frequency inverters FI
 ** Pressure transducer S-1141 is supported only with the remote controller Stouch

KF-T120 EC



NEW!

- ① KF T120 F 160 EC
 - ② KF T120 F 180 EC
 - ③ KF T120 F 200 EC
 - ④ KF T120 F 250 EC
- Performance
- - - Power consumption

Estimated data

| | | 160 | 180 | 200 | 250 |
|---------------------------------|----------------------|-----------|-----------|-----------|-----------|
| Voltage/Frequency | [V/Hz] | ~1,230/50 | ~1,230/50 | ~3,400/50 | ~3,400/50 |
| Power consumption | [kW] | 0,178 | 0,501 | 0,984 | 0,956 |
| Current | [A] | 1,33 | 2,12 | 1,93 | 2,14 |
| Speed | [min ⁻¹] | 1487 | 1566 | 1576 | 1108 |
| Max. airflow | [m ³ /h] | 1061 | 1850 | 2766 | 3516 |
| Min/Max ambient air temperature | [°C] | -25/+40 | -25/+40 | -25/+40 | -25/+40 |
| Weight | [kg] | 17 | 21 | 26 | 50 |
| Protection class: | motor | IP-54 | IP-54 | IP-54 | IP-54 |
| Comply with ERP 2018 | | * | * | * | * |

*Fans for transportation of gases hotter than 100 °C are not subject to ErP regulations.

Estimated data

160

| Lwa total, dB(A) | Lwa, dB(A) | | | | | | |
|------------------|------------|--------|--------|-------|-------|-------|-------|
| | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
| Inlet | 73 | 63 | 66 | 70 | 64 | 59 | 52 |
| Outlet | 75 | 64 | 70 | 71 | 63 | 62 | 54 |
| Surrounding | 58 | 50 | 52 | 54 | 48 | 44 | 35 |

Measured at 802 m³/h, 100 Pa

180

| Lwa total, dB(A) | Lwa, dB(A) | | | | | | |
|------------------|------------|--------|--------|-------|-------|-------|-------|
| | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
| Inlet | 81 | 67 | 70 | 80 | 72 | 65 | 58 |
| Outlet | 83 | 67 | 71 | 82 | 71 | 70 | 61 |
| Surrounding | 67 | 57 | 62 | 63 | 58 | 55 | 47 |

Measured at 1641 m³/h, 102 Pa

200

| Lwa total, dB(A) | Lwa, dB(A) | | | | | | |
|------------------|------------|--------|--------|-------|-------|-------|-------|
| | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
| Inlet | 84 | 75 | 76 | 82 | 75 | 71 | 61 |
| Outlet | 85 | 76 | 79 | 82 | 76 | 70 | 64 |
| Surrounding | 71 | 62 | 64 | 68 | 59 | 54 | 47 |

Measured at 2603 m³/h, 103 Pa

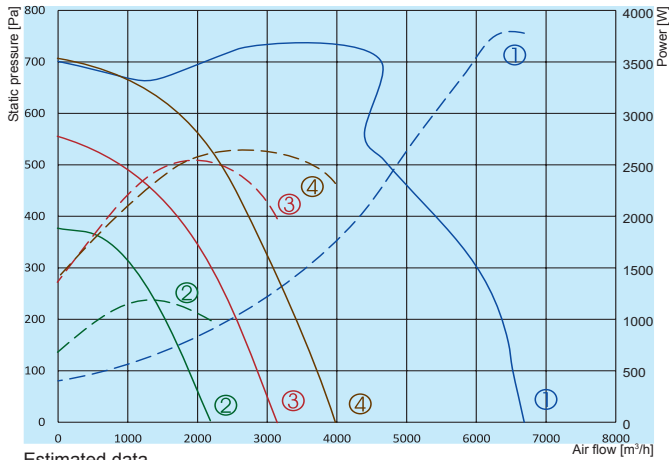
250

| Lwa total, dB(A) | Lwa, dB(A) | | | | | | |
|------------------|------------|--------|--------|-------|-------|-------|-------|
| | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
| Inlet | 81 | 72 | 75 | 77 | 70 | 68 | 57 |
| Outlet | 83 | 74 | 77 | 79 | 72 | 70 | 62 |
| Surrounding | 68 | 59 | 63 | 65 | 56 | 52 | 44 |

Measured at 3506 m³/h, 125 Pa

The fan characteristic curves were determined in accordance with EN ISO 5801. The sound levels were determined in accordance with DIN 45635 resp. ISO 3744 at a distance of 1 m from the fan.

KF-T120 EC



NEW!

- ① KF T120 F 280 EC
- ② KF T120 B 315 EC
- ③ KF T120 B 355 EC
- ④ KF T120 B 400 EC

— Performance
 - - - Power consumption

Estimated data

| | | 280 | 315 | 355 | 400 |
|---------------------------------|----------------------|-----------|-----------|-----------|-----------|
| Voltage/Frequency | [V/Hz] | ~3,400/50 | ~1,230/50 | ~1,230/50 | ~3,400/50 |
| Power consumption | [kW] | 3,779 | 0,148 | 0,263 | 0,464 |
| Current | [A] | 6,09 | 0,65 | 1,14 | 1,06 |
| Speed | [min ⁻¹] | 1405 | 1601 | 1601 | 1605 |
| Max. airflow | [m ³ /h] | 6687 | 2194 | 3133 | 3984 |
| Min/Max ambient air temperature | [°C] | -25/+40 | -25/+40 | -25/+40 | -25/+40 |
| Weight | [kg] | 40 | 40 | 48 | 51 |
| Protection class: | motor | IP-54 | IP-54 | IP-54 | IP-54 |
| Comply with ERP 2018 | | * | * | * | * |

*Fans for transportation of gases hotter than 100 °C are not subject to ErP regulations.

Estimated data

280

| | LWA total, dB(A) | Lwa, dB(A) | | | | | | |
|-------------|------------------|------------|--------|--------|-------|-------|-------|-------|
| | | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
| Inlet | 89 | 80 | 84 | 86 | 78 | 72 | 70 | 67 |
| Outlet | 91 | 82 | 85 | 88 | 81 | 75 | 71 | 69 |
| Surrounding | 76 | 69 | 70 | 72 | 65 | 61 | 56 | 51 |

Measured at 6343 m³/h, 207 Pa

315

| | LWA total, dB(A) | Lwa, dB(A) | | | | | | |
|-------------|------------------|------------|--------|--------|-------|-------|-------|-------|
| | | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
| Inlet | 72 | 64 | 67 | 68 | 64 | 59 | 53 | 49 |
| Outlet | 74 | 65 | 68 | 70 | 65 | 61 | 55 | 52 |
| Surrounding | 64 | 55 | 61 | 59 | 52 | 48 | 45 | 43 |

Measured at 1780 m³/h, 123 Pa

355

| | LWA total, dB(A) | Lwa, dB(A) | | | | | | |
|-------------|------------------|------------|--------|--------|-------|-------|-------|-------|
| | | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
| Inlet | 76 | 66 | 69 | 72 | 71 | 65 | 56 | 52 |
| Outlet | 78 | 68 | 71 | 75 | 68 | 66 | 59 | 54 |
| Surrounding | 64 | 56 | 58 | 59 | 55 | 51 | 43 | 39 |

Measured at 2826 m³/h, 100 Pa

400

| | LWA total, dB(A) | Lwa, dB(A) | | | | | | |
|-------------|------------------|------------|--------|--------|-------|-------|-------|-------|
| | | 125 Hz | 250 Hz | 500 Hz | 1 kHz | 2 kHz | 4 kHz | 8 kHz |
| Inlet | 81 | 72 | 71 | 78 | 75 | 70 | 64 | 63 |
| Outlet | 83 | 74 | 77 | 80 | 73 | 71 | 66 | 65 |
| Surrounding | 69 | 62 | 63 | 65 | 59 | 56 | 51 | 47 |

Measured at 3480 m³/h, 149 Pa

The fan characteristic curves were determined in accordance with EN ISO 5801. The sound levels were determined in accordance with DIN 45635 resp. ISO 3744 at a distance of 1 m from the fan.

The company reserves the right to make changes of technical data without prior notice

KF-T120 EC

