Technical data

Axial fans
Series FC
Axial fans
Design FC

Contents of delivery

Standard version

Voltage
1~115 V
3~265/460 V ∆/Y

Frequency
60 Hz

Thermal insulation class
155 (previous: insulation class F)

Protection
IP 54

Motor protection
Thermostat switch (TB)

Paint finish
RAL 9005 black

Accessories
See section Accessories

Necessary order data
Article no., Type

On request, at extra charge
• Different voltage to 115 resp. 460 V
• 50 Hz
Quick selection

Airflow volume [CFM]

- FC031-4: 0.38
- FC035-4: 0.46
- FC040-4: 0.44
- FC045-4: 0.66
- FC045-6: 0.26
- FC050-4: 0.78
- FC050-6: 0.36
- FC056-4: 1.12
- FC056-6: 0.40
- FC063-4: 1.36
- FC063-6: 0.56
- FC071-6: 0.56
- FC080-6: 0.68
- FC091-6: 1.02
- FC100-10: 0.52
- FC125-12: 0.32

P_{SF,\text{max}} [in.wg]
**FC031-4D_2A_A6**

**Performance data**

3 ~ 460V 60Hz

<table>
<thead>
<tr>
<th>P₁</th>
<th>0.16 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>0.27 A</td>
</tr>
<tr>
<td>n</td>
<td>1640 rpm</td>
</tr>
<tr>
<td>Iₚ</td>
<td>1.0 A</td>
</tr>
<tr>
<td>ΔI</td>
<td>10 %</td>
</tr>
<tr>
<td>tₑ</td>
<td>70/158 °C/°F</td>
</tr>
</tbody>
</table>

**Characteristic data**

![Characteristic data graph](image)

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight kg</th>
<th>Weight lbs.</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC031-4DA.2A.A6</td>
<td>140 690</td>
<td>A</td>
<td>A</td>
<td>3.0</td>
<td>6.6</td>
<td>106XB</td>
<td>L-KL-2675</td>
<td>73</td>
</tr>
<tr>
<td>FC031-4DD.2A.A6</td>
<td>140 691</td>
<td>D</td>
<td>A</td>
<td>3.4</td>
<td>7.5</td>
<td>106XB</td>
<td>L-KL-2673</td>
<td>79</td>
</tr>
<tr>
<td>FC031-4DQ.2A.A6</td>
<td>140 692</td>
<td>Q</td>
<td>A</td>
<td>5.8</td>
<td>13</td>
<td>106XB</td>
<td>L-KL-2674</td>
<td>86</td>
</tr>
</tbody>
</table>

**Characteristic data formula**

\[ p_{az} = 7.5 \cdot 10^{-6} \cdot q_v^2 \]

measured in full bell mouth without guard grille in installation type A according to ISO 5801
### Performance data

FC031-4E_2A.A6

1 ~ 115V 60Hz

<table>
<thead>
<tr>
<th>P₁</th>
<th>0.18 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iᵣ</td>
<td>1.60 A</td>
</tr>
<tr>
<td>n₀</td>
<td>1530 rpm</td>
</tr>
<tr>
<td>Iᵣ</td>
<td>3.0 A</td>
</tr>
<tr>
<td>ΔI</td>
<td>0 %</td>
</tr>
<tr>
<td>C</td>
<td>12 µF</td>
</tr>
<tr>
<td>tᵣ</td>
<td>70/158 °C/°F</td>
</tr>
</tbody>
</table>

### Characteristic data

#### Graphs

- Graph showing `qᵥ [m³/h]` vs `pᵥ [Pa]` and `L[W]` vs `qᵥ [CFM]` with data points:
  - 1
  - 2
  - 3
  - 4
  - 5
  - 6
  - 7
  - 8
  - 9

#### Equations

- `pᵥ = 7.5 \cdot 10^{-6} \cdot qᵥ^2`

- Measured in full bell mouth without guard grille in installation type A according to ISO 5801

### Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight kg</th>
<th>Weight lbs.</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC031-4E.A2A.A6</td>
<td>141 423</td>
<td>A</td>
<td>A</td>
<td>3.0</td>
<td>6.6</td>
<td>118XB</td>
<td>L-KL-2675</td>
<td>73</td>
</tr>
<tr>
<td>FC031-4ED.2A.A6</td>
<td>141 424</td>
<td>D</td>
<td>A</td>
<td>3.4</td>
<td>7.5</td>
<td>118XB</td>
<td>L-KL-2676</td>
<td>80</td>
</tr>
<tr>
<td>FC031-4EQ.2A.A6</td>
<td>141 425</td>
<td>Q</td>
<td>A</td>
<td>5.8</td>
<td>13</td>
<td>118XB</td>
<td>L-KL-2677</td>
<td>87</td>
</tr>
</tbody>
</table>

A01 60 Hz North America
**FC035-4D_2C.A7**

**Performance data**

3 ~ 460V 60Hz

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>( P_1 )</td>
<td>0.27 kW</td>
</tr>
<tr>
<td>( I )</td>
<td>0.42 A</td>
</tr>
<tr>
<td>( n )</td>
<td>1600 rpm</td>
</tr>
<tr>
<td>( I_a )</td>
<td>1.5 A</td>
</tr>
<tr>
<td>( \Delta I )</td>
<td>5 %</td>
</tr>
<tr>
<td>( t_{R1} )</td>
<td>70/158 °C/°F</td>
</tr>
</tbody>
</table>

**Characteristic data**

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight kg</th>
<th>Weight lbs.</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC035-4DA.2C.A7</td>
<td>141 426</td>
<td>A</td>
<td>A</td>
<td>3.8</td>
<td>8.4</td>
<td>106XB</td>
<td>L-KL-2675</td>
<td>73</td>
</tr>
<tr>
<td>FC035-4DD.2C.A7</td>
<td>141 427</td>
<td>D</td>
<td>A</td>
<td>4.6</td>
<td>10</td>
<td>106XB</td>
<td>L-KL-2673</td>
<td>79</td>
</tr>
<tr>
<td>FC035-4DQ.2C.A7</td>
<td>141 428</td>
<td>Q</td>
<td>A</td>
<td>7.3</td>
<td>16</td>
<td>106XB</td>
<td>L-KL-2674</td>
<td>86</td>
</tr>
</tbody>
</table>

**Characteristic data**

\[
p_{d2} = 4.7 \cdot 10^{-6} \cdot q_v^2
\]

measured in full bell mouth
without guard grille in installation

type A according to ISO 5801
FC035-4E_.2C.A7

Performance data

1 ~ 115V 60Hz

P₁  0.26 kW
I  2.3 A
n  1500 rpm
Iₙ  3.5 A
ΔI  0 %
C  20 µF
t₂₃₀V  60/140 °C/°F

Characteristic data

\[ p_{d2} = 4.7 \cdot 10^{-6} \cdot q_v^2 \]

measured in full bell mouth
without guard grille in installation
type A according to ISO 5801

Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight kg</th>
<th>Weight lbs.</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC035-4EA.2C.A7</td>
<td>141 429</td>
<td>A</td>
<td>A</td>
<td>3.8</td>
<td>8.4</td>
<td>118XB</td>
<td>L-KL-2675</td>
<td>73</td>
</tr>
<tr>
<td>FC035-4ED.2C.A7</td>
<td>141 430</td>
<td>D</td>
<td>A</td>
<td>4.6</td>
<td>10</td>
<td>118XB</td>
<td>L-KL-2676</td>
<td>80</td>
</tr>
<tr>
<td>FC035-4EQ.2C.A7</td>
<td>141 431</td>
<td>Q</td>
<td>A</td>
<td>7.3</td>
<td>16</td>
<td>118XB</td>
<td>L-KL-2677</td>
<td>87</td>
</tr>
</tbody>
</table>
**FC040-4D_2F.A7**

Performance data

- $P_1 = 0.41$ kW
- $I = 0.64$ A
- $n = 1570$ rpm
- $I_r = 2.2$ A
- $\Delta I = 5$ %
- $t_r = 70/158^\circ C/^\circ F$

3 ~ 460V 60Hz

### Characteristic data

<table>
<thead>
<tr>
<th>$q_v$ [m³/h]</th>
<th>$q_v$ [CFM]</th>
<th>$L_{WA}$ [dB]</th>
<th>$p_{d2}$ [Pa]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>65</td>
<td>0</td>
</tr>
<tr>
<td>1000</td>
<td>2000</td>
<td>70</td>
<td>20</td>
</tr>
<tr>
<td>2000</td>
<td>3000</td>
<td>75</td>
<td>40</td>
</tr>
<tr>
<td>3000</td>
<td>4000</td>
<td>80</td>
<td>60</td>
</tr>
<tr>
<td>4000</td>
<td>5000</td>
<td>85</td>
<td>80</td>
</tr>
<tr>
<td>5000</td>
<td>6000</td>
<td>90</td>
<td>100</td>
</tr>
</tbody>
</table>

### Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight [kg]</th>
<th>Weight [lbs]</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC040-4DA.2F.A7</td>
<td>141 432</td>
<td>A</td>
<td>A</td>
<td>4.9</td>
<td>11</td>
<td>106XB</td>
<td>L-KL-2675</td>
<td>73</td>
</tr>
<tr>
<td>FC040-4DD.2F.A7</td>
<td>141 433</td>
<td>D</td>
<td>A</td>
<td>6.0</td>
<td>13</td>
<td>106XB</td>
<td>L-KL-2673</td>
<td>79</td>
</tr>
<tr>
<td>FC040-4DQ.2F.A7</td>
<td>141 434</td>
<td>Q</td>
<td>A</td>
<td>9.5</td>
<td>21</td>
<td>106XB</td>
<td>L-KL-2674</td>
<td>86</td>
</tr>
</tbody>
</table>

$p_{d2} = 2.9 \cdot 10^{-6} \cdot q_v^2$

measured in full bell mouth without guard grille in installation type A according to ISO 5801
**Performance data**

FC040-4E_.2F.A7

1 ~ 115V 60Hz

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>$P_1$</td>
<td>0.41 kW</td>
</tr>
<tr>
<td>$I$</td>
<td>3.7 A</td>
</tr>
<tr>
<td>$n$</td>
<td>1500 rpm</td>
</tr>
<tr>
<td>$I_n$</td>
<td>8.0 A</td>
</tr>
<tr>
<td>$\Delta I$</td>
<td>5 %</td>
</tr>
<tr>
<td>$C$</td>
<td>20 µF</td>
</tr>
<tr>
<td>$t_{230V}$</td>
<td>70/158 °C/°F</td>
</tr>
</tbody>
</table>

---

### Characteristic data

#### Graphs

- Graph 1: $q_v$ vs. $p_e$ [m³/h vs. [in.wg, Pa]]
- Graph 2: $q_v$ vs. $L_{WA}$ [m³/h vs. [CFM, CFM]]

#### Formula

$p_{d2} = 2.9 \cdot 10^{-6} \cdot q_v^2$

---

### Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC040-4EA.2F.A7</td>
<td>141 435</td>
<td>A</td>
<td>A</td>
<td>4.9</td>
<td>11</td>
<td>118XB</td>
<td>L-KL-2675</td>
</tr>
<tr>
<td>FC040-4ED.2F.A7</td>
<td>141 436</td>
<td>D</td>
<td>A</td>
<td>6.0</td>
<td>13</td>
<td>118XB</td>
<td>L-KL-2676</td>
</tr>
<tr>
<td>FC040-4EQ.2F.A7</td>
<td>141 437</td>
<td>Q</td>
<td>A</td>
<td>9.5</td>
<td>21</td>
<td>118XB</td>
<td>L-KL-2677</td>
</tr>
</tbody>
</table>

---

measured in full bell mouth without guard grille in installation type A according to ISO 5801
FC045-4D_4F.A7

Performance data

3 ~ 460V 60Hz

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1</td>
<td>0.6 kW</td>
</tr>
<tr>
<td>I</td>
<td>1.15 A</td>
</tr>
<tr>
<td>n</td>
<td>1620 rpm</td>
</tr>
<tr>
<td></td>
<td>4.2 A</td>
</tr>
<tr>
<td>∆I</td>
<td>0 %</td>
</tr>
<tr>
<td>Tc</td>
<td>60/140 °C/°F</td>
</tr>
</tbody>
</table>

Characteristic data

\[ p_{a2} = 1.8 \cdot 10^{-6} \cdot q_v^2 \]

measured in full bell mouth without guard grille in installation type A according to ISO 5801

Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC045-4DA.4F.A7</td>
<td>141 438</td>
<td>A</td>
<td>A</td>
<td>7.4</td>
<td>16</td>
<td>106XB</td>
<td>L-KL-2679</td>
</tr>
<tr>
<td>FC045-4DD.4F.A7</td>
<td>141 439</td>
<td>D</td>
<td>A</td>
<td>8.6</td>
<td>19</td>
<td>106XB</td>
<td>L-KL-2680</td>
</tr>
<tr>
<td>FC045-4DQ.4F.A7</td>
<td>141 440</td>
<td>Q</td>
<td>A</td>
<td>13</td>
<td>28</td>
<td>106XB</td>
<td>L-KL-2681</td>
</tr>
</tbody>
</table>
Performance data

FC045-4E_4F.A7

1 ~ 115V 60Hz

<table>
<thead>
<tr>
<th>P1</th>
<th>0.52 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>4.6 A</td>
</tr>
<tr>
<td>n</td>
<td>1460 rpm</td>
</tr>
<tr>
<td>I,</td>
<td>10 A</td>
</tr>
<tr>
<td>∆I</td>
<td>5 %</td>
</tr>
<tr>
<td>C</td>
<td>30 µF</td>
</tr>
<tr>
<td>t1</td>
<td>70/158 °C/°F</td>
</tr>
</tbody>
</table>

Characteristic data

\[ p_{\text{eq}} = 1.8 \cdot 10^{-6} \cdot q_v^2 \]

measured in full bell mouth
without guard grille in installation

type A according to ISO 5801

Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight kg</th>
<th>Weight lbs.</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC045-4EA.4F.A7</td>
<td>141 596</td>
<td>A</td>
<td>A</td>
<td>7.4</td>
<td>16</td>
<td>118XB</td>
<td>L-KL-2682</td>
<td>75</td>
</tr>
<tr>
<td>FC045-4ED.4F.A7</td>
<td>141 597</td>
<td>D</td>
<td>A</td>
<td>8.6</td>
<td>19</td>
<td>118XB</td>
<td>L-KL-2683</td>
<td>82</td>
</tr>
<tr>
<td>FC045-4EQ.4F.A7</td>
<td>141 598</td>
<td>Q</td>
<td>A</td>
<td>13</td>
<td>28</td>
<td>118XB</td>
<td>L-KL-2684</td>
<td>89</td>
</tr>
</tbody>
</table>
FC045-6D_4C.A7

Performance data

3 ~ 460V 60Hz

| P₁ | 0.18 kW |
| I | 0.35 A |
| n | 1010 rpm |
| Iₙ | 1 A |
| ∆I | 0 % |
| tᵣ | 70/158 °C/°F |

Characteristic data

<table>
<thead>
<tr>
<th>U</th>
<th>I</th>
<th>P₁</th>
<th>n</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>A</td>
<td>W</td>
<td>rpm</td>
</tr>
<tr>
<td>①</td>
<td>460</td>
<td>0.35</td>
<td>180</td>
</tr>
<tr>
<td>③</td>
<td>400</td>
<td>0.36</td>
<td>160</td>
</tr>
<tr>
<td>⑤</td>
<td>265</td>
<td>0.30</td>
<td>79</td>
</tr>
<tr>
<td>⑦</td>
<td>230</td>
<td>0.27</td>
<td>59</td>
</tr>
<tr>
<td>⑨</td>
<td>265</td>
<td>0.26</td>
<td>59</td>
</tr>
</tbody>
</table>

pₑ₂ = 1.8 · 10⁻⁶ · qᵥ²

measured in full bell mouth
without guard grille in installation
type A according to ISO 5801

Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC045-6DA.4C.A7</td>
<td>141 444</td>
<td>A</td>
<td>A</td>
<td>6</td>
<td>13</td>
<td>106XB</td>
<td>L-KL-2679</td>
</tr>
<tr>
<td>FC045-6DD.4C.A7</td>
<td>141 445</td>
<td>D</td>
<td>A</td>
<td>7.2</td>
<td>16</td>
<td>106XB</td>
<td>L-KL-2680</td>
</tr>
<tr>
<td>FC045-6DQ.4C.A7</td>
<td>141 446</td>
<td>Q</td>
<td>A</td>
<td>11</td>
<td>24</td>
<td>106XB</td>
<td>L-KL-2681</td>
</tr>
</tbody>
</table>
**FC045-6E_4C.A7**

**Performance data**

- **$P_1$**: 0.2 kW
- **$I$**: 1.80 A
- **$n$**: 1010 rpm
- **$I_n$**: 2.5 A
- **$\Delta I$**: 0 %
- **$C_{230V}$**: 16 µF
- **$t_n$**: 70/158 °C/°F

**Characteristic data**

- **Characteristic data graph**

---

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC045-6EA_4C.A7</td>
<td>141 599</td>
<td>A</td>
<td>A</td>
<td>6</td>
<td>118XB</td>
<td>L-KL-2682</td>
<td>75</td>
</tr>
<tr>
<td>FC045-6ED_4C.A7</td>
<td>141 600</td>
<td>D</td>
<td>A</td>
<td>7.2</td>
<td>118XB</td>
<td>L-KL-2683</td>
<td>82</td>
</tr>
<tr>
<td>FC045-6EQ_4C.A7</td>
<td>141 601</td>
<td>Q</td>
<td>A</td>
<td>11</td>
<td>118XB</td>
<td>L-KL-2684</td>
<td>89</td>
</tr>
</tbody>
</table>

---

$p_{ed} = 1.8 \cdot 10^{-6} \cdot q_v^2$ measured in full bell mouth without guard grille in installation type A according to ISO 5801
**FC050-4D_.4I.A7**

**Performance data**

- **P₁**: 0.78 kW
- **I**: 1.3 A
- **n**: 1570 rpm
- **Iₚ**: 5.5 A
- **ΔI**: 0 %
- **tᵣ**: 70/158 °C/°F

3 ~ 460V 60Hz

**Characteristic data**

<table>
<thead>
<tr>
<th>U</th>
<th>I</th>
<th>P₁</th>
<th>n</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>A</td>
<td>W</td>
<td>rpm</td>
</tr>
<tr>
<td>460</td>
<td>1.30</td>
<td>780</td>
<td>1570</td>
</tr>
<tr>
<td>400</td>
<td>1.35</td>
<td>730</td>
<td>1610</td>
</tr>
<tr>
<td>265</td>
<td>1.30</td>
<td>520</td>
<td>1230</td>
</tr>
<tr>
<td>230</td>
<td>1.30</td>
<td>450</td>
<td>1120</td>
</tr>
<tr>
<td>265</td>
<td>1.15</td>
<td>460</td>
<td>1340</td>
</tr>
</tbody>
</table>

\[ p_{dz} = 1.2 \cdot 10^{-6} \cdot q_v^2 \]

measured in full bell mouth without guard grille in installation type A according to ISO 5801

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC050-4DA.4I.A7</td>
<td>141 450</td>
<td>A</td>
<td>A</td>
<td>9.4</td>
<td>106XB</td>
<td>L-KL-2679</td>
<td>74</td>
</tr>
<tr>
<td>FC050-4DD.4I.A7</td>
<td>141 451</td>
<td>D</td>
<td>A</td>
<td>12</td>
<td>106XB</td>
<td>L-KL-2680</td>
<td>81</td>
</tr>
<tr>
<td>FC050-4DQ.4I.A7</td>
<td>141 452</td>
<td>Q</td>
<td>A</td>
<td>18</td>
<td>106XB</td>
<td>L-KL-2681</td>
<td>88</td>
</tr>
</tbody>
</table>
Performance data

1 ~ 115V 60Hz

<table>
<thead>
<tr>
<th>P₁</th>
<th>0.77 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>6.8 A</td>
</tr>
<tr>
<td>n</td>
<td>1470 rpm</td>
</tr>
<tr>
<td>Iₙ</td>
<td>14.5 A</td>
</tr>
<tr>
<td>ΔI</td>
<td>0 %</td>
</tr>
<tr>
<td>C</td>
<td>50 µF</td>
</tr>
<tr>
<td>tₙ</td>
<td>70/158 °C/F</td>
</tr>
</tbody>
</table>

Characteristic data

<table>
<thead>
<tr>
<th>U</th>
<th>115</th>
<th>68</th>
<th>770</th>
<th>1470</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>6.8</td>
<td>6.3</td>
<td>730</td>
<td>1500</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>L</th>
<th>85</th>
<th>6.5</th>
<th>550</th>
<th>1160</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>6.1</td>
<td>520</td>
<td>1280</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>L</th>
<th>68</th>
<th>5.8</th>
<th>390</th>
<th>890</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>5.6</td>
<td>370</td>
<td>970</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>L</th>
<th>55</th>
<th>5.0</th>
<th>270</th>
<th>670</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.9</td>
<td>260</td>
<td>740</td>
<td></td>
</tr>
</tbody>
</table>

p₂₀ = 1.2 · 10⁻⁶ · qᵥ²

measured in full bell mouth
without guard grille in installation
type A according to ISO 5801

Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight kg</th>
<th>Connections diagram</th>
<th>Weight lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC050-4EA.4I.A7</td>
<td>141 453</td>
<td>A</td>
<td>A</td>
<td>9.4</td>
<td>118XB</td>
<td>21</td>
</tr>
<tr>
<td>FC050-4ED.4I.A7</td>
<td>141 454</td>
<td>D</td>
<td>A</td>
<td>12</td>
<td>118XB</td>
<td>26</td>
</tr>
<tr>
<td>FC050-4EQ.4I.A7</td>
<td>141 455</td>
<td>Q</td>
<td>A</td>
<td>18</td>
<td>118XB</td>
<td>40</td>
</tr>
</tbody>
</table>
FC050-6D_.4C.A7

Performance data

3 ~ 460V 60Hz

<table>
<thead>
<tr>
<th></th>
<th>P₁</th>
<th>kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>l</td>
<td>0.31</td>
<td>A</td>
</tr>
<tr>
<td>n</td>
<td>1040</td>
<td>rpm</td>
</tr>
<tr>
<td>lₙ</td>
<td>1.4</td>
<td>A</td>
</tr>
<tr>
<td>ΔI</td>
<td>0</td>
<td>%</td>
</tr>
<tr>
<td>Tₚ</td>
<td>70/158</td>
<td>°C/°F</td>
</tr>
</tbody>
</table>

Characteristic data

\[ p_{dz} = 1.2 \cdot 10^{-6} \cdot q_u^2 \]

measured in full bell mouth
without guard grille in installation
type A according to ISO 5801

Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight kg</th>
<th>Weight lbs</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC050-6DA.4C.A7</td>
<td>141 456</td>
<td>A</td>
<td>A</td>
<td>6.4</td>
<td>14</td>
<td>106XB</td>
<td>L-KL-2679</td>
<td>74</td>
</tr>
<tr>
<td>FC050-6DD.4C.A7</td>
<td>141 457</td>
<td>D</td>
<td>A</td>
<td>8.6</td>
<td>19</td>
<td>106XB</td>
<td>L-KL-2680</td>
<td>81</td>
</tr>
<tr>
<td>FC050-6DQ.4C.A7</td>
<td>141 458</td>
<td>Q</td>
<td>A</td>
<td>15</td>
<td>34</td>
<td>106XB</td>
<td>L-KL-2681</td>
<td>88</td>
</tr>
</tbody>
</table>
**Performance data**

FC050-6E_.4F.A7

1 ~ 115V 60Hz

- $P_1$: 0.28 kW
- $I$: 2.7 A
- $n$: 960 rpm
- $I_A$: 7 A
- $\Delta I$: 0 %
- $C_{230V}$: 25 $\mu$F
- $t_r$: 70/158 °C/°F

**Characteristic data**

![Graph showing characteristic data](image)

- $q_v$: [m$^3$/h]

<table>
<thead>
<tr>
<th>$U$</th>
<th>$I$</th>
<th>$P_1$</th>
<th>$n$</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>A</td>
<td>W</td>
<td>rpm</td>
</tr>
<tr>
<td>2</td>
<td>115</td>
<td>2.7</td>
<td>280</td>
</tr>
<tr>
<td>3</td>
<td>115</td>
<td>2.4</td>
<td>270</td>
</tr>
<tr>
<td>4</td>
<td>85</td>
<td>2.1</td>
<td>165</td>
</tr>
<tr>
<td>5</td>
<td>85</td>
<td>2.1</td>
<td>165</td>
</tr>
<tr>
<td>6</td>
<td>68</td>
<td>1.7</td>
<td>100</td>
</tr>
<tr>
<td>7</td>
<td>68</td>
<td>1.7</td>
<td>100</td>
</tr>
<tr>
<td>8</td>
<td>55</td>
<td>1.35</td>
<td>67</td>
</tr>
<tr>
<td>9</td>
<td>55</td>
<td>1.35</td>
<td>68</td>
</tr>
</tbody>
</table>

$p_{es} = 1.2 \cdot 10^{-6} \cdot q_v^2$

measured in full bell mouth
without guard grille in installation

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC050-6EA.4F.A7</td>
<td>141 459</td>
<td>A</td>
<td>A</td>
<td>7.8</td>
<td>118XB</td>
<td>L-KL-2682</td>
<td>75</td>
</tr>
<tr>
<td>FC050-6ED.4F.A7</td>
<td>141 460</td>
<td>D</td>
<td>A</td>
<td>10</td>
<td>118XB</td>
<td>L-KL-2683</td>
<td>82</td>
</tr>
<tr>
<td>FC050-6EQ.4F.A7</td>
<td>141 461</td>
<td>Q</td>
<td>A</td>
<td>17</td>
<td>118XB</td>
<td>L-KL-2684</td>
<td>89</td>
</tr>
</tbody>
</table>
**Performance data**

FC056-4D_.6K.A7

3 ~ 460V 60Hz

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>( P_1 )</td>
<td>2.0 kW</td>
</tr>
<tr>
<td>( I )</td>
<td>3.45 A</td>
</tr>
<tr>
<td>( n )</td>
<td>1590 rpm</td>
</tr>
<tr>
<td>( I_a )</td>
<td>15.5 A</td>
</tr>
<tr>
<td>( \Delta I )</td>
<td>0 %</td>
</tr>
<tr>
<td>( t_R )</td>
<td>70/158 °C/°F</td>
</tr>
</tbody>
</table>

**Characteristic data**

![Characteristic data graph](image)

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight kg</th>
<th>Weight lbs.</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC056-4DA.6K.A7</td>
<td>141 462</td>
<td>A</td>
<td>A</td>
<td>18</td>
<td>40</td>
<td>106XB</td>
<td>L-KL-2685</td>
<td>76</td>
</tr>
<tr>
<td>FC056-4DD.6K.A7</td>
<td>141 463</td>
<td>D</td>
<td>A</td>
<td>21</td>
<td>45</td>
<td>106XB</td>
<td>L-KL-2686</td>
<td>83</td>
</tr>
<tr>
<td>FC056-4DQ.6K.A7</td>
<td>141 464</td>
<td>Q</td>
<td>A</td>
<td>29</td>
<td>64</td>
<td>106XB</td>
<td>L-KL-2687</td>
<td>90</td>
</tr>
</tbody>
</table>

**Characteristic data graph**

![Characteristic data graph](image)

**Characteristics table**

<table>
<thead>
<tr>
<th>( U )</th>
<th>( I )</th>
<th>( P_1 )</th>
<th>( n )</th>
</tr>
</thead>
<tbody>
<tr>
<td>460</td>
<td>3.4</td>
<td>2010</td>
<td>1590</td>
</tr>
<tr>
<td>400</td>
<td>3.4</td>
<td>1860</td>
<td>1530</td>
</tr>
<tr>
<td>265</td>
<td>3.5</td>
<td>1300</td>
<td>1250</td>
</tr>
<tr>
<td>230</td>
<td>3.4</td>
<td>1090</td>
<td>1140</td>
</tr>
</tbody>
</table>

\[ p_{a2} = 7.7 \cdot 10^{-7} \cdot q_v^2 \]

measured in full bell mouth
without guard grille in installation

type A according to ISO 5801
**Performance data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>$P_1$</td>
<td>0.57 kW</td>
</tr>
<tr>
<td>$I$</td>
<td>1.0 A</td>
</tr>
<tr>
<td>$n$</td>
<td>1020 rpm</td>
</tr>
<tr>
<td>$I_a$</td>
<td>3.5 A</td>
</tr>
<tr>
<td>$\Delta I$</td>
<td>0 %</td>
</tr>
<tr>
<td>$t_r$</td>
<td>70/158 °C/°F</td>
</tr>
</tbody>
</table>

**3 ~ 460V 60Hz**

**Characteristic data**

- $p_{d2} = 7.7 \cdot 10^{-7} \cdot q^2$

measured in full bell mouth without guard grille in installation type A according to ISO 5801

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC056-6DA.4F.A7</td>
<td>141 465</td>
<td>A</td>
<td>A</td>
<td>8.4 kg</td>
<td>106XB</td>
<td>L-KL-2679</td>
<td>74</td>
</tr>
<tr>
<td>FC056-6DD.4F.A7</td>
<td>141 466</td>
<td>D</td>
<td>A</td>
<td>11 kg</td>
<td>106XB</td>
<td>L-KL-2680</td>
<td>81</td>
</tr>
<tr>
<td>FC056-6DQ.4F.A7</td>
<td>141 467</td>
<td>Q</td>
<td>A</td>
<td>19 kg</td>
<td>106XB</td>
<td>L-KL-2681</td>
<td>88</td>
</tr>
</tbody>
</table>
Performance data

**FC056-6E_4I.A7**

1 ~ 115V 60Hz

<table>
<thead>
<tr>
<th>P1</th>
<th>0.63 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>5.5 A</td>
</tr>
<tr>
<td>n</td>
<td>960 rpm</td>
</tr>
<tr>
<td>Ie</td>
<td>10 A</td>
</tr>
<tr>
<td>ΔI</td>
<td>0 %</td>
</tr>
<tr>
<td>C230V</td>
<td>50 µF</td>
</tr>
<tr>
<td>tR</td>
<td>70/158 °C/°F</td>
</tr>
</tbody>
</table>

**Characteristic data**

<table>
<thead>
<tr>
<th>U</th>
<th>V</th>
<th>P1</th>
<th>n</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>115</td>
<td>5.5</td>
<td>630</td>
</tr>
<tr>
<td>2</td>
<td>5.2</td>
<td>590</td>
<td>1000</td>
</tr>
<tr>
<td>3</td>
<td>85</td>
<td>4.8</td>
<td>410</td>
</tr>
<tr>
<td>4</td>
<td>4.6</td>
<td>390</td>
<td>860</td>
</tr>
<tr>
<td>5</td>
<td>68</td>
<td>4.2</td>
<td>290</td>
</tr>
<tr>
<td>6</td>
<td>4.1</td>
<td>280</td>
<td>730</td>
</tr>
<tr>
<td>7</td>
<td>55</td>
<td>3.7</td>
<td>200</td>
</tr>
<tr>
<td>8</td>
<td>3.6</td>
<td>195</td>
<td>610</td>
</tr>
</tbody>
</table>

\[ p_{d2} = 7.7 \cdot 10^{-7} \cdot q_V^2 \]

measured in full bell mouth without guard grille in installation type A according to ISO 5801

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight kg</th>
<th>Weight lbs.</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC056-6EA.4I.A7</td>
<td>141 605</td>
<td>A</td>
<td>A</td>
<td>10</td>
<td>22</td>
<td>118XB</td>
<td>L-KL-2682</td>
<td>75</td>
</tr>
<tr>
<td>FC056-6ED.4I.A7</td>
<td>141 606</td>
<td>D</td>
<td>A</td>
<td>13</td>
<td>28</td>
<td>118XB</td>
<td>L-KL-2683</td>
<td>82</td>
</tr>
<tr>
<td>FC056-6EQ.4I.A7</td>
<td>141 607</td>
<td>Q</td>
<td>A</td>
<td>21</td>
<td>46</td>
<td>118XB</td>
<td>L-KL-2684</td>
<td>89</td>
</tr>
</tbody>
</table>
Performance data

<table>
<thead>
<tr>
<th>P₁</th>
<th>3.3</th>
<th>kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>5.0</td>
<td>A</td>
</tr>
<tr>
<td>n</td>
<td>1500</td>
<td>rpm</td>
</tr>
<tr>
<td>Iₚ</td>
<td>25</td>
<td>A</td>
</tr>
<tr>
<td>ΔI</td>
<td>5%</td>
<td></td>
</tr>
<tr>
<td>lₚ</td>
<td>55/131</td>
<td>°C/°F</td>
</tr>
</tbody>
</table>

3 ~ 460V 60Hz

Characteristic data

<table>
<thead>
<tr>
<th>U</th>
<th>V</th>
<th>I</th>
<th>P₁</th>
<th>n</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>460</td>
<td>5.0</td>
<td>331</td>
<td>1500</td>
</tr>
<tr>
<td>3</td>
<td>4.3</td>
<td>2810</td>
<td>1560</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>400</td>
<td>5.1</td>
<td>2980</td>
<td>1410</td>
</tr>
<tr>
<td>6</td>
<td>4.4</td>
<td>2570</td>
<td>1490</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>265</td>
<td>4.9</td>
<td>1870</td>
<td>1090</td>
</tr>
<tr>
<td>9</td>
<td>4.5</td>
<td>1730</td>
<td>1180</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>230</td>
<td>4.6</td>
<td>1520</td>
<td>970</td>
</tr>
<tr>
<td>2</td>
<td>4.3</td>
<td>1430</td>
<td>1060</td>
<td></td>
</tr>
</tbody>
</table>

\[ p_{d1} = 4.6 \times 10^{-7} \cdot q_{v}^2 \]

measured in full bell mouth
without guard grille in installation
type A according to ISO 5801

Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC063-4DA.6N.A7</td>
<td>141 471</td>
<td>A</td>
<td>A</td>
<td>24</td>
<td>106XB</td>
<td>L-KL-2685</td>
<td>76</td>
</tr>
<tr>
<td>FC063-4DD.6N.A7</td>
<td>141 472</td>
<td>D</td>
<td>A</td>
<td>27</td>
<td>106XB</td>
<td>L-KL-2686</td>
<td>83</td>
</tr>
<tr>
<td>FC063-4DQ.6N.A7</td>
<td>141 473</td>
<td>Q</td>
<td>A</td>
<td>38</td>
<td>106XB</td>
<td>L-KL-2687</td>
<td>90</td>
</tr>
</tbody>
</table>
Performance data

| P₁  | 0.88 kW |
| I  | 1.5 A |
| n  | 980 rpm |
| Iᵦ | 5 A |
| ∆I | 0 % |
| tᵦ | 70/158 °C/°F |

3 ~ 460V 60Hz

Characteristic data

Characteristic data

| U  | 460 V |
| L  | 1.50 A |
| P₁ | 880 W |
| n  | 980 rpm |

| U  | 400 V |
| L  | 1.50 A |
| P₁ | 790 W |
| n  | 1010 rpm |

| U  | 265 V |
| L  | 1.40 A |
| P₁ | 480 W |
| n  | 690 rpm |

| U  | 230 V |
| L  | 1.30 A |
| P₁ | 380 W |
| n  | 610 rpm |

| U  | 125 V |
| L  | 1.25 A |
| P₁ | 370 W |
| n  | 670 rpm |

pₚₑ = 4.6 · 10⁻⁷ · qᵥ²

measured in full bell mouth without guard grille in installation type A according to ISO 5801

Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight kg</th>
<th>Weight lbs</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC063-6DA.6F.A7</td>
<td>141 474</td>
<td>A</td>
<td>A</td>
<td>15</td>
<td>32</td>
<td>106XB</td>
<td>L-KL-2685</td>
<td>76</td>
</tr>
<tr>
<td>FC063-6DD.6F.A7</td>
<td>141 475</td>
<td>D</td>
<td>A</td>
<td>15</td>
<td>33</td>
<td>106XB</td>
<td>L-KL-2686</td>
<td>83</td>
</tr>
<tr>
<td>FC063-6DQ.6F.A7</td>
<td>141 476</td>
<td>Q</td>
<td>A</td>
<td>28</td>
<td>61</td>
<td>106XB</td>
<td>L-KL-2687</td>
<td>90</td>
</tr>
</tbody>
</table>
### Performance data

**FC063-6E_.6F.A7**

1 ~ 115V 60Hz

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>( P_1 )</td>
<td>0.96 kW</td>
</tr>
<tr>
<td>( I )</td>
<td>8.5 A</td>
</tr>
<tr>
<td>( n )</td>
<td>970 rpm</td>
</tr>
<tr>
<td>( I_A )</td>
<td>12.5 A</td>
</tr>
<tr>
<td>( \Delta I )</td>
<td>0 %</td>
</tr>
<tr>
<td>( C )</td>
<td>65 µF</td>
</tr>
<tr>
<td>( t_{230V} )</td>
<td>55/131 °C/F</td>
</tr>
</tbody>
</table>

### Characteristic data

**Characteristic data graph**

- **Equation:**
  
  \[ p_{el} = 4.6 \cdot 10^{-7} \cdot q_\text{v}^2 \]

  measured in full bell mouth
  without guard grille in installation
  type A according to ISO 5801

### Dimension sheet

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight kg</th>
<th>Weight lbs.</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC063-6EA.6F.A7</td>
<td>141 602</td>
<td>A</td>
<td>A</td>
<td>15</td>
<td>32</td>
<td>118XB</td>
<td>L-KL-2688</td>
<td>77</td>
</tr>
<tr>
<td>FC063-6ED.6F.A7</td>
<td>141 603</td>
<td>D</td>
<td>A</td>
<td>15</td>
<td>33</td>
<td>118XB</td>
<td>L-KL-2689</td>
<td>84</td>
</tr>
<tr>
<td>FC063-6EQ.6F.A7</td>
<td>141 604</td>
<td>Q</td>
<td>A</td>
<td>28</td>
<td>61</td>
<td>118XB</td>
<td>L-KL-2690</td>
<td>92</td>
</tr>
</tbody>
</table>
**Performance data**

- **FC071-6D_.6K.A7**
- 3 ~ 460V 60Hz
- **P**<sub>1</sub> = 1.35 kW
- **I** = 2.2 A
- **n** = 1010 rpm
- **I**<sub>1</sub> = 8.5 A
- ∆I = 5 %
- **t**<sub>R</sub> = 70/158 °C/°F

**Characteristic data**

- **U**
- **I**
- **P**<sub>1</sub>
- **n**
- **V** A W rpm

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>460</td>
<td>2.20</td>
<td>1350</td>
<td>1010</td>
</tr>
<tr>
<td>3</td>
<td>2.10</td>
<td>1200</td>
<td>1040</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>400</td>
<td>2.30</td>
<td>1220</td>
<td>960</td>
</tr>
<tr>
<td>6</td>
<td>2.10</td>
<td>1110</td>
<td>990</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>265</td>
<td>2.20</td>
<td>760</td>
<td>760</td>
</tr>
<tr>
<td>9</td>
<td>2.10</td>
<td>730</td>
<td>780</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>230</td>
<td>2.00</td>
<td>610</td>
<td>650</td>
</tr>
<tr>
<td>2</td>
<td>1.95</td>
<td>590</td>
<td>690</td>
<td></td>
</tr>
</tbody>
</table>

**Characteristic data**

- \[ p_{l_{2}} = 2.9 \cdot 10^{-7} \cdot q_{v}^{2} \]

measured in full bell mouth
without guard grille in installation
type A according to ISO 5801

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC071-6DA.6K.A7</td>
<td>141 482</td>
<td>A</td>
<td>A</td>
<td>19</td>
<td>106XB</td>
<td>L-KL-2685</td>
<td>76</td>
</tr>
<tr>
<td>FC071-6DQ.6K.A7</td>
<td>141 483</td>
<td>Q</td>
<td>A</td>
<td>34</td>
<td>106XB</td>
<td>L-KL-2692</td>
<td>91</td>
</tr>
</tbody>
</table>
**Performance data**

F080-6D_6N.A7

3 ~ 460V 60Hz

- **P** 2.1 kW
- **I** 3.9 A
- **n** 1020 rpm
- **I** 12 A
- **%**
- **tR** 70/158 °C/°F

**Characteristic data**

- **U**
- **l**
- **P**
- **n**

<table>
<thead>
<tr>
<th>U</th>
<th>I</th>
<th>P</th>
<th>n</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>A</td>
<td>W</td>
<td>rpm</td>
</tr>
<tr>
<td>460</td>
<td>3.9</td>
<td>2090</td>
<td>1020</td>
</tr>
<tr>
<td>3.5</td>
<td>1800</td>
<td>1060</td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>3.8</td>
<td>1890</td>
<td>970</td>
</tr>
<tr>
<td>3.4</td>
<td>1660</td>
<td>1010</td>
<td></td>
</tr>
<tr>
<td>265</td>
<td>3.5</td>
<td>1200</td>
<td>760</td>
</tr>
<tr>
<td>3.2</td>
<td>1110</td>
<td>810</td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>3.3</td>
<td>970</td>
<td>680</td>
</tr>
<tr>
<td>3.1</td>
<td>920</td>
<td>730</td>
<td></td>
</tr>
</tbody>
</table>

\[ p_{\text{ref}} = 1.9 \cdot 10^{-7} \cdot q_{\text{v}}^2 \]

measured in full bell mouth
without guard grille in installation
type A according to ISO 5801
FC091-6D_.7Q.A7

**Performance data**

<table>
<thead>
<tr>
<th>P₁</th>
<th>4.7 kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>I₀</td>
<td>7.2 A</td>
</tr>
<tr>
<td>n</td>
<td>900 rpm</td>
</tr>
<tr>
<td>Iₚ</td>
<td>20 A</td>
</tr>
<tr>
<td>ΔI</td>
<td>0 %</td>
</tr>
<tr>
<td>tᵣ</td>
<td>55/131 °C/°F</td>
</tr>
</tbody>
</table>

3 ~ 460V 60Hz

**Characteristic data**

- **U**  
- **I**  
- **P₁**  
- **n**  

<table>
<thead>
<tr>
<th>V</th>
<th>A</th>
<th>W</th>
<th>rpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>②</td>
<td>460</td>
<td>7.2</td>
<td>4740</td>
</tr>
<tr>
<td>③</td>
<td>6.6</td>
<td>4260</td>
<td>950</td>
</tr>
<tr>
<td>④</td>
<td>400</td>
<td>7.1</td>
<td>4130</td>
</tr>
<tr>
<td>⑤</td>
<td>6.4</td>
<td>3760</td>
<td>880</td>
</tr>
<tr>
<td>⑥</td>
<td>265</td>
<td>6.3</td>
<td>2470</td>
</tr>
<tr>
<td>⑦</td>
<td>5.9</td>
<td>2320</td>
<td>710</td>
</tr>
<tr>
<td>⑧</td>
<td>230</td>
<td>5.9</td>
<td>1990</td>
</tr>
<tr>
<td>⑨</td>
<td>5.6</td>
<td>1890</td>
<td>630</td>
</tr>
</tbody>
</table>

\[ p_{\text{dz}} = 1.1 \cdot 10^{-7} \cdot q_{V}^{2} \]

measured in full bell mouth without guard grille in installation type A according to ISO 5801

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC091-6DA.7Q.A7</td>
<td>141 486</td>
<td>A</td>
<td>A</td>
<td>41</td>
<td>106XB</td>
<td>L-KL-2691</td>
<td>78</td>
</tr>
<tr>
<td>FC091-6DQ.7Q.A7</td>
<td>141 487</td>
<td>Q</td>
<td>A</td>
<td>69</td>
<td>106XB</td>
<td>L-KL-2692</td>
<td>91</td>
</tr>
</tbody>
</table>
**FC100-ZD_.7Q.A7**

**Performance data**

P<sub>1</sub> 2.1 kW
I 4.2 A
n 640 rpm
I<sub>1</sub> 13 A
ΔI 0 %
T<sub>n</sub> 65/149 °C/°F

3 ~ 460V 60Hz

**Characteristic data**

<table>
<thead>
<tr>
<th>U</th>
<th>I</th>
<th>P&lt;sub&gt;1&lt;/sub&gt;</th>
<th>n</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>A</td>
<td>W</td>
<td>rpm</td>
</tr>
<tr>
<td>2</td>
<td>460</td>
<td>4.1</td>
<td>2050</td>
</tr>
<tr>
<td>3</td>
<td>3.7</td>
<td>1730</td>
<td>650</td>
</tr>
<tr>
<td>5</td>
<td>400</td>
<td>4.1</td>
<td>1890</td>
</tr>
<tr>
<td>6</td>
<td>3.6</td>
<td>1610</td>
<td>630</td>
</tr>
<tr>
<td>8</td>
<td>265</td>
<td>4.0</td>
<td>1240</td>
</tr>
<tr>
<td>9</td>
<td>3.7</td>
<td>1140</td>
<td>500</td>
</tr>
<tr>
<td>11</td>
<td>230</td>
<td>3.8</td>
<td>970</td>
</tr>
<tr>
<td>12</td>
<td>3.6</td>
<td>930</td>
<td>440</td>
</tr>
</tbody>
</table>

\[ p_{2z} = 7.5 \cdot 10^{-8} \cdot q_v^2 \]

measured in full bell mouth without guard grille in installation type A according to ISO 5801

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC100-ZDA.7Q.A7</td>
<td>141 488</td>
<td>A</td>
<td>A</td>
<td>43</td>
<td>106XB</td>
<td>L-KL-2691</td>
<td>78</td>
</tr>
<tr>
<td>FC100-ZDQ.7Q.A7</td>
<td>141 489</td>
<td>Q</td>
<td>A</td>
<td>70</td>
<td>106XB</td>
<td>L-KL-2692</td>
<td>91</td>
</tr>
</tbody>
</table>
**FC125-CD_.7Q.A7**

**Performance data**

- **P<sub>1</sub>**: 1.75 kW
- **I**: 3.4 A
- **n**: 470 rpm
- **I<sub>n</sub>**: 7 A
- **ΔI**: 0 %
- **ΔT**: 40/104 °C/°F

**3 ~ 460V 60Hz**

---

**Characteristic data**

**U** | **I** | **P<sub>1</sub>** | **n**
---|---|---|---
2 | 460 | 3.4 | 1740 | 470
3 | 3.0 | 1610 | 490
5 | 400 | 3.2 | 1510 | 430
6 | 3.0 | 1410 | 450
8 | 265 | 2.7 | 810 | 300
9 | 2.6 | 800 | 320
11 | 230 | 2.5 | 630 | 260
12 | 2.4 | 620 | 280

**p<sub>2</sub> = 3.0 \cdot 10^{-8} \cdot q_v^2**

measured in full bell mouth
without guard grille in installation
type A according to ISO 5801

---

**Dimension sheet**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>Design</th>
<th>Airflow direction</th>
<th>Weight</th>
<th>Connection diagram</th>
<th>Dimension sheet</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC125-CD.A7</td>
<td>141 490</td>
<td>A</td>
<td>A</td>
<td>45</td>
<td>98</td>
<td>106XB</td>
<td>L-KL-2691</td>
</tr>
<tr>
<td>FC125-CDL.A7*</td>
<td>141 491</td>
<td>L</td>
<td>A</td>
<td>89</td>
<td>195</td>
<td>106XB</td>
<td>L-KL-2712</td>
</tr>
</tbody>
</table>

* Without a guard grille, Guard grille available as accessories.
## Electrical connection

**Connection cable**

---

**FC**

**Electrical connection**

**Connection cable**

---

**Airflow direction** A

**Design** A

---

### Type Article no. A mm inch A1 mm inch B1 mm inch B2 mm inch B4 mm inch D1 mm inch D4 mm inch E mm inch F mm inch T mm inch

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A mm inch</th>
<th>A1 mm inch</th>
<th>B1 mm inch</th>
<th>B2 mm inch</th>
<th>B4 mm inch</th>
<th>D1 mm inch</th>
<th>D4 mm inch</th>
<th>E mm inch</th>
<th>F mm inch</th>
<th>T mm inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC031-4DA.2A.A6</td>
<td>140 690</td>
<td>7 0.28</td>
<td>7.5 0.3</td>
<td>100.5 3.96</td>
<td>94 3.7</td>
<td>57 2.24</td>
<td>312 12.28</td>
<td>M6 3.54</td>
<td>21 0.83</td>
<td>11 0.43</td>
<td></td>
</tr>
<tr>
<td>FC031-4EA.2A.A6</td>
<td>141 423</td>
<td>7 0.28</td>
<td>7.5 0.3</td>
<td>100.5 3.96</td>
<td>94 3.7</td>
<td>57 2.24</td>
<td>312 12.28</td>
<td>M6 3.54</td>
<td>21 0.83</td>
<td>11 0.43</td>
<td></td>
</tr>
<tr>
<td>FC035-4DA.2C.A7</td>
<td>141 426</td>
<td>7 0.28</td>
<td>7.5 0.3</td>
<td>114 4.49</td>
<td>86 3.39</td>
<td>36 1.42</td>
<td>353 13.9</td>
<td>M6 3.54</td>
<td>21 0.83</td>
<td>11 0.43</td>
<td></td>
</tr>
<tr>
<td>FC035-4EA.2C.A7</td>
<td>141 429</td>
<td>7 0.28</td>
<td>7.5 0.3</td>
<td>114 4.49</td>
<td>86 3.39</td>
<td>36 1.42</td>
<td>353 13.9</td>
<td>M6 3.54</td>
<td>21 0.83</td>
<td>11 0.43</td>
<td></td>
</tr>
<tr>
<td>FC040-4DA.2F.A7</td>
<td>141 432</td>
<td>7 0.28</td>
<td>7.5 0.3</td>
<td>131 5.16</td>
<td>92 3.62</td>
<td>36 1.42</td>
<td>396 15.59</td>
<td>M6 3.54</td>
<td>21 0.83</td>
<td>11 0.43</td>
<td></td>
</tr>
<tr>
<td>FC040-4EA.2F.A7</td>
<td>141 435</td>
<td>7 0.28</td>
<td>7.5 0.3</td>
<td>131 5.16</td>
<td>92 3.62</td>
<td>36 1.42</td>
<td>396 15.59</td>
<td>M6 3.54</td>
<td>21 0.83</td>
<td>11 0.43</td>
<td></td>
</tr>
</tbody>
</table>

---

**L-KL-2675**
### Electrical connection

Terminal box K62

### Type Article no.  mm  inch  mm  inch  mm  inch  mm  inch  mm  inch  mm  inch  mm  inch  mm  inch

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A</th>
<th>inch</th>
<th>A1</th>
<th></th>
<th>B1</th>
<th>inch</th>
<th>B2</th>
<th></th>
<th>B3</th>
<th>inch</th>
<th>B4</th>
<th></th>
<th>D1</th>
<th>inch</th>
<th>D4</th>
<th></th>
<th>E</th>
<th>inch</th>
<th>F</th>
<th>inch</th>
<th>T</th>
<th>inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC045-4DA.4F.A7</td>
<td>141 438</td>
<td>7.5</td>
<td>0.3</td>
<td>7.5</td>
<td>0.3</td>
<td>141</td>
<td>5.55</td>
<td>99</td>
<td>3.9</td>
<td>205</td>
<td>8.07</td>
<td>33</td>
<td>1.3</td>
<td>447</td>
<td>17.6</td>
<td>M6</td>
<td>115</td>
<td>4.53</td>
<td>28</td>
<td>1.1</td>
<td>15.5</td>
<td>0.61</td>
<td></td>
</tr>
<tr>
<td>FC045-6DA.4C.A7</td>
<td>141 444</td>
<td>7.5</td>
<td>0.3</td>
<td>7.5</td>
<td>0.3</td>
<td>126</td>
<td>4.96</td>
<td>99</td>
<td>3.9</td>
<td>190</td>
<td>7.48</td>
<td>33</td>
<td>1.3</td>
<td>447</td>
<td>17.6</td>
<td>M6</td>
<td>115</td>
<td>4.53</td>
<td>28</td>
<td>1.1</td>
<td>15.5</td>
<td>0.61</td>
<td></td>
</tr>
<tr>
<td>FC050-4DA.4I.A7</td>
<td>141 450</td>
<td>7.5</td>
<td>0.3</td>
<td>7.5</td>
<td>0.3</td>
<td>161</td>
<td>6.34</td>
<td>100</td>
<td>3.94</td>
<td>225</td>
<td>8.86</td>
<td>37</td>
<td>1.46</td>
<td>497</td>
<td>19.57</td>
<td>M6</td>
<td>115</td>
<td>4.53</td>
<td>28</td>
<td>1.1</td>
<td>15.5</td>
<td>0.61</td>
<td></td>
</tr>
<tr>
<td>FC050-6DA.4C.A7</td>
<td>141 456</td>
<td>7.5</td>
<td>0.3</td>
<td>7.5</td>
<td>0.3</td>
<td>126</td>
<td>4.96</td>
<td>100</td>
<td>3.94</td>
<td>190</td>
<td>7.48</td>
<td>37</td>
<td>1.46</td>
<td>497</td>
<td>19.57</td>
<td>M6</td>
<td>115</td>
<td>4.53</td>
<td>28</td>
<td>1.1</td>
<td>15.5</td>
<td>0.61</td>
<td></td>
</tr>
<tr>
<td>FC056-6DA.4F.A7</td>
<td>141 465</td>
<td>7.5</td>
<td>0.3</td>
<td>7.5</td>
<td>0.3</td>
<td>141</td>
<td>5.55</td>
<td>95</td>
<td>3.74</td>
<td>205</td>
<td>8.07</td>
<td>46</td>
<td>1.81</td>
<td>553</td>
<td>21.77</td>
<td>M6</td>
<td>115</td>
<td>4.53</td>
<td>28</td>
<td>1.1</td>
<td>15.5</td>
<td>0.61</td>
<td></td>
</tr>
</tbody>
</table>

L-KL-2679
Electrical connection
Connection cable
### Electrical connection

Terminal box K62

---

**FC____-- DA.6__.A7**

**Airflow direction** A

**Design** A

---

**FC056-4DA.6K.A7**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A  mm  inch</th>
<th>B1 mm  inch</th>
<th>B2 mm  inch</th>
<th>B3 mm  inch</th>
<th>B4 mm  inch</th>
<th>D1 mm  inch</th>
<th>D2 mm  inch</th>
<th>D3 mm  inch</th>
<th>D4 mm  inch</th>
<th>E  mm  inch</th>
<th>T  mm  inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC056-4DA.6K.A7</td>
<td>141 462</td>
<td>6 0.24 182 7.17</td>
<td>116 4.57 46</td>
<td>9.69 52 2.05</td>
<td>553 21.77 187 7.36 140 5.51</td>
<td>M10 162 6.38 18 0.71</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FC063-4DA.6N.A7**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A  mm  inch</th>
<th>B1 mm  inch</th>
<th>B2 mm  inch</th>
<th>B3 mm  inch</th>
<th>B4 mm  inch</th>
<th>D1 mm  inch</th>
<th>D2 mm  inch</th>
<th>D3 mm  inch</th>
<th>D4 mm  inch</th>
<th>E  mm  inch</th>
<th>T  mm  inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC063-4DA.6N.A7</td>
<td>141 471</td>
<td>6 0.24 182 7.17</td>
<td>116 4.57 46</td>
<td>9.69 52 2.05</td>
<td>627 24.69 187 7.36 140 5.51</td>
<td>M10 162 6.38 18 0.71</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FC063-6DA.6F.A7**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A  mm  inch</th>
<th>B1 mm  inch</th>
<th>B2 mm  inch</th>
<th>B3 mm  inch</th>
<th>B4 mm  inch</th>
<th>D1 mm  inch</th>
<th>D2 mm  inch</th>
<th>D3 mm  inch</th>
<th>D4 mm  inch</th>
<th>E  mm  inch</th>
<th>T  mm  inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC063-6DA.6F.A7</td>
<td>141 474</td>
<td>6 0.24 157 6.18</td>
<td>116 4.57 46</td>
<td>9.69 52 2.05</td>
<td>627 24.69 187 7.36 140 5.51</td>
<td>M10 162 6.38 18 0.71</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FC071-6DA.6K.A7**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A  mm  inch</th>
<th>B1 mm  inch</th>
<th>B2 mm  inch</th>
<th>B3 mm  inch</th>
<th>B4 mm  inch</th>
<th>D1 mm  inch</th>
<th>D2 mm  inch</th>
<th>D3 mm  inch</th>
<th>D4 mm  inch</th>
<th>E  mm  inch</th>
<th>T  mm  inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC071-6DA.6K.A7</td>
<td>141 482</td>
<td>6 0.24 182 7.17</td>
<td>114 4.49 46</td>
<td>9.69 47 1.85</td>
<td>703 27.68 187 7.36 140 5.51</td>
<td>M10 162 6.38 18 0.71</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FC080-6DA.6N.A7**

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A  mm  inch</th>
<th>B1 mm  inch</th>
<th>B2 mm  inch</th>
<th>B3 mm  inch</th>
<th>B4 mm  inch</th>
<th>D1 mm  inch</th>
<th>D2 mm  inch</th>
<th>D3 mm  inch</th>
<th>D4 mm  inch</th>
<th>E  mm  inch</th>
<th>T  mm  inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC080-6DA.6N.A7</td>
<td>141 484</td>
<td>6 0.24 207 8.15</td>
<td>113 4.45 46</td>
<td>9.69 47 1.85</td>
<td>788 31.02 187 7.36 140 5.51</td>
<td>M10 162 6.38 18 0.71</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**L-KL-2685**

---

---
**FC______-__EA.6_.A7**

Airflow direction  A  
Design  A

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A  mm</th>
<th>B1  mm</th>
<th>B2  mm</th>
<th>B4  mm</th>
<th>D1  mm</th>
<th>D2  mm</th>
<th>D3  mm</th>
<th>D4  mm</th>
<th>E   mm</th>
<th>T   mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC063-6EA.6F.A7</td>
<td>141 602</td>
<td>6</td>
<td>157</td>
<td>116</td>
<td>52</td>
<td>627</td>
<td>187</td>
<td>140</td>
<td>M10</td>
<td>162</td>
<td>18</td>
</tr>
</tbody>
</table>

Electrical connection  
Connection cable

A01 60 Hz North America
**Electrical connection**

Terminal box K07
Electrical connection
Terminal box K05

A01 60 Hz North America
**FC____-ED.2_.A_**

Airflow direction  A  
Design  D

---

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>B2</th>
<th>B3</th>
<th>B4</th>
<th>B5</th>
<th>B6</th>
<th>D1</th>
<th>D2</th>
<th>D3</th>
<th>D4</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td>mm</td>
<td>inch</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FC031-4ED.2.A6</td>
<td>141 424</td>
<td>83</td>
<td>3.27</td>
<td>100.5</td>
<td>3.96</td>
<td>57</td>
<td>2.24</td>
<td>90</td>
<td>3.54</td>
<td>11</td>
<td>0.43</td>
</tr>
<tr>
<td>FC035-4ED.2.C7</td>
<td>141 430</td>
<td>74.5</td>
<td>2.93</td>
<td>139</td>
<td>5.47</td>
<td>36</td>
<td>1.42</td>
<td>101.5</td>
<td>4</td>
<td>37.5</td>
<td>1.48</td>
</tr>
<tr>
<td>FC040-4ED.2.F7</td>
<td>141 436</td>
<td>75</td>
<td>2.95</td>
<td>155.5</td>
<td>6.12</td>
<td>36</td>
<td>1.42</td>
<td>113.5</td>
<td>4.47</td>
<td>42</td>
<td>1.65</td>
</tr>
</tbody>
</table>

---

**Electrical connection**

Connection cable
### Electrical connection

Terminal box K62

### Technical Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>B2</th>
<th>B3</th>
<th>B4</th>
<th>B5</th>
<th>B6</th>
<th>D1</th>
<th>D2</th>
<th>D3</th>
<th>D4</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC045-4DD.4F.A7</td>
<td>141 439</td>
<td>95</td>
<td>3.74</td>
<td>205</td>
<td>8.07</td>
<td>33</td>
<td>1.3</td>
<td>137</td>
<td>5.39</td>
<td>33</td>
<td>1.3</td>
</tr>
<tr>
<td>FC045-6DD.4C.A7</td>
<td>141 445</td>
<td>95</td>
<td>3.74</td>
<td>190</td>
<td>7.48</td>
<td>33</td>
<td>1.3</td>
<td>122</td>
<td>4.8</td>
<td>33</td>
<td>1.3</td>
</tr>
<tr>
<td>FC050-4DD.4I.A7</td>
<td>141 451</td>
<td>96</td>
<td>3.78</td>
<td>225</td>
<td>8.86</td>
<td>37</td>
<td>1.46</td>
<td>158.5</td>
<td>6.24</td>
<td>46</td>
<td>1.81</td>
</tr>
<tr>
<td>FC050-6DD.4C.A7</td>
<td>141 457</td>
<td>96</td>
<td>3.78</td>
<td>190</td>
<td>7.48</td>
<td>37</td>
<td>1.46</td>
<td>123.5</td>
<td>4.86</td>
<td>46</td>
<td>1.81</td>
</tr>
<tr>
<td>FC056-6DD.4F.A7</td>
<td>141 466</td>
<td>92</td>
<td>3.62</td>
<td>205</td>
<td>8.07</td>
<td>46</td>
<td>1.81</td>
<td>138.5</td>
<td>5.45</td>
<td>44</td>
<td>1.73</td>
</tr>
</tbody>
</table>

L-KL-2680
<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>B2 mm</th>
<th>B2 inch</th>
<th>B3 mm</th>
<th>B3 inch</th>
<th>B4 mm</th>
<th>B4 inch</th>
<th>B5 mm</th>
<th>B5 inch</th>
<th>D1 mm</th>
<th>D1 inch</th>
<th>D2 mm</th>
<th>D2 inch</th>
<th>D3 mm</th>
<th>D3 inch</th>
<th>D4 mm</th>
<th>D4 inch</th>
<th>E mm</th>
<th>E inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC045-4ED.4F.A7</td>
<td>141 597</td>
<td>95</td>
<td>3.74</td>
<td>141</td>
<td>5.55</td>
<td>33</td>
<td>1.3</td>
<td>126.5</td>
<td>4.98</td>
<td>14</td>
<td>0.55</td>
<td>447</td>
<td>17.6</td>
<td>520</td>
<td>20.47</td>
<td>582</td>
<td>22.91</td>
<td>7</td>
<td>0.28</td>
</tr>
<tr>
<td>FC045-6ED.4C.A7</td>
<td>141 600</td>
<td>95</td>
<td>3.74</td>
<td>126</td>
<td>4.96</td>
<td>33</td>
<td>1.3</td>
<td>111.5</td>
<td>4.39</td>
<td>14</td>
<td>0.55</td>
<td>447</td>
<td>17.6</td>
<td>520</td>
<td>20.47</td>
<td>582</td>
<td>22.91</td>
<td>7</td>
<td>0.28</td>
</tr>
<tr>
<td>FC050-4ED.4I.A7</td>
<td>141 454</td>
<td>96</td>
<td>3.78</td>
<td>182.5</td>
<td>7.19</td>
<td>37</td>
<td>1.46</td>
<td>136.5</td>
<td>5.37</td>
<td>46</td>
<td>1.81</td>
<td>497</td>
<td>19.57</td>
<td>579</td>
<td>22.8</td>
<td>639</td>
<td>25.16</td>
<td>7</td>
<td>0.28</td>
</tr>
<tr>
<td>FC050-6ED.4F.A7</td>
<td>141 460</td>
<td>96</td>
<td>3.78</td>
<td>202.5</td>
<td>7.97</td>
<td>37</td>
<td>1.46</td>
<td>156.5</td>
<td>6.16</td>
<td>46</td>
<td>1.81</td>
<td>497</td>
<td>19.57</td>
<td>579</td>
<td>22.8</td>
<td>639</td>
<td>25.16</td>
<td>7</td>
<td>0.28</td>
</tr>
<tr>
<td>FC056-6ED.4I.A7</td>
<td>141 606</td>
<td>92</td>
<td>3.62</td>
<td>204.5</td>
<td>8.05</td>
<td>46</td>
<td>1.81</td>
<td>158.5</td>
<td>6.24</td>
<td>44</td>
<td>1.73</td>
<td>553</td>
<td>21.77</td>
<td>621</td>
<td>24.45</td>
<td>682</td>
<td>26.85</td>
<td>7</td>
<td>0.28</td>
</tr>
</tbody>
</table>

Electrical connection
Connection cable
### Electrical connection

Terminal box K62

---

**Type** | **Article no.** | **B2** | **B3** | **B4** | **B5** | **B6** | **D1** | **D2** | **D3** | **D4/1** | **D4/2** | **E**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
**FC056-4DD.6K.A7** | 141 463 | 122 | 4.8 | 246 | 9.69 | 57 | 2.24 | 184 | 7.24 | 37 | 1.46 | 553 | 21.77 | 595 | 23.43 | 686 | 27.01 | 7 | 0.28 | 12 | 0.47 | 658 | 25.91
**FC063-4DD.6N.A7** | 141 472 | 133 | 5.24 | 271 | 10.67 | 69 | 2.72 | 221 | 8.7 | 30 | 1.18 | 627 | 24.69 | 679 | 26.73 | 750 | 29.53 | 7 | 0.28 | 12 | 0.47 | 720 | 28.35
**FC063-6DD.6F.A7** | 141 475 | 130 | 5.12 | 221 | 8.7 | 52 | 2.05 | 171 | 6.73 | 30 | 1.18 | 627 | 24.69 | 679 | 26.73 | 750 | 29.53 | 7 | 0.28 | 12 | 0.47 | 720 | 28.35

---

L-KL-2686
**Electrical connection**
Connection cable
FC____-_ DL.7_.A7

Electrical connection
Terminal box K07

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>B1 mm</th>
<th>B2 mm</th>
<th>B3 mm</th>
<th>B4 mm</th>
<th>D1 mm</th>
<th>D2 mm</th>
<th>D3 mm</th>
<th>D4 mm</th>
<th>E mm</th>
<th>W mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC125-CDL.7Q.A7</td>
<td>141 491</td>
<td>313</td>
<td>12.32</td>
<td>15</td>
<td>0.59</td>
<td>344</td>
<td>13.54</td>
<td>245</td>
<td>9.65</td>
<td>1560</td>
<td>61.42</td>
</tr>
</tbody>
</table>

L-KL-2712
**Airflow direction** A  
**Design** Q

### Table

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A (mm)</th>
<th>A (inch)</th>
<th>B1 (mm)</th>
<th>B1 (inch)</th>
<th>B2 (mm)</th>
<th>B2 (inch)</th>
<th>B3 (mm)</th>
<th>B3 (inch)</th>
<th>B4 (mm)</th>
<th>B4 (inch)</th>
<th>B5 (mm)</th>
<th>B5 (inch)</th>
<th>D2 (mm)</th>
<th>D2 (inch)</th>
<th>D4 (mm)</th>
<th>D4 (inch)</th>
<th>D3 (mm)</th>
<th>D3 (inch)</th>
<th>L (mm)</th>
<th>L (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC031-4DQ.2A.A6</td>
<td>140 692</td>
<td>380</td>
<td>14.96</td>
<td>78.5</td>
<td>3.09</td>
<td>11</td>
<td>0.43</td>
<td>164.5</td>
<td>6.48</td>
<td>69</td>
<td>2.72</td>
<td>22</td>
<td>0.87</td>
<td>320</td>
<td>12.6</td>
<td>9</td>
<td>0.35</td>
<td>329</td>
<td>12.95</td>
<td>430</td>
<td>16.93</td>
</tr>
<tr>
<td>FC035-4DQ.2C.A7</td>
<td>141 428</td>
<td>435</td>
<td>17.13</td>
<td>89.5</td>
<td>3.52</td>
<td>12</td>
<td>0.47</td>
<td>177.5</td>
<td>6.99</td>
<td>75</td>
<td>2.95</td>
<td>49.5</td>
<td>1.95</td>
<td>367</td>
<td>14.45</td>
<td>9</td>
<td>0.35</td>
<td>372</td>
<td>14.65</td>
<td>485</td>
<td>19.09</td>
</tr>
<tr>
<td>FC040-4DQ.2F.A7</td>
<td>141 434</td>
<td>490</td>
<td>19.29</td>
<td>101</td>
<td>3.98</td>
<td>12</td>
<td>0.47</td>
<td>194.5</td>
<td>7.66</td>
<td>88</td>
<td>3.46</td>
<td>54</td>
<td>2.13</td>
<td>420</td>
<td>16.54</td>
<td>9</td>
<td>0.35</td>
<td>412</td>
<td>16.22</td>
<td>540</td>
<td>21.26</td>
</tr>
</tbody>
</table>

**Electrical connection**  
**Terminal box** K05
**FC_ _ _-_ EQ.2_.A_**  
Airflow direction  A  
Design  Q

### Electrical connection
Connection cable

### Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A mm</th>
<th>A inch</th>
<th>B1 mm</th>
<th>B1 inch</th>
<th>B2 mm</th>
<th>B2 inch</th>
<th>B3 mm</th>
<th>B3 inch</th>
<th>B4 mm</th>
<th>B4 inch</th>
<th>B5 mm</th>
<th>B5 inch</th>
<th>D2 mm</th>
<th>D2 inch</th>
<th>D3 mm</th>
<th>D3 inch</th>
<th>L mm</th>
<th>L inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC031-4EQ.2A.A6</td>
<td>141 425</td>
<td>380</td>
<td>14.96</td>
<td>78.5</td>
<td>3.09</td>
<td>11</td>
<td>0.43</td>
<td>100.5</td>
<td>3.96</td>
<td>69</td>
<td>2.72</td>
<td>22</td>
<td>0.87</td>
<td>320</td>
<td>12.6</td>
<td>9</td>
<td>0.35</td>
<td>329</td>
<td>12.95</td>
</tr>
<tr>
<td>FC035-4EQ.2C.A7</td>
<td>141 431</td>
<td>435</td>
<td>17.13</td>
<td>89.5</td>
<td>3.52</td>
<td>12</td>
<td>0.47</td>
<td>139</td>
<td>5.47</td>
<td>75</td>
<td>2.95</td>
<td>49.5</td>
<td>1.95</td>
<td>367</td>
<td>14.45</td>
<td>9</td>
<td>0.35</td>
<td>372</td>
<td>14.65</td>
</tr>
<tr>
<td>FC040-4EQ.2F.A7</td>
<td>141 437</td>
<td>490</td>
<td>19.29</td>
<td>101</td>
<td>3.98</td>
<td>12</td>
<td>0.47</td>
<td>155</td>
<td>6.1</td>
<td>88</td>
<td>3.46</td>
<td>54</td>
<td>2.13</td>
<td>420</td>
<td>16.54</td>
<td>9</td>
<td>0.35</td>
<td>412</td>
<td>16.22</td>
</tr>
</tbody>
</table>

**L-KL-2677**
### Electrical connection
Terminal box K62

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A (mm)</th>
<th>B1 (mm)</th>
<th>B2 (mm)</th>
<th>B3 (mm)</th>
<th>B4 (mm)</th>
<th>B5 (mm)</th>
<th>D2 (mm)</th>
<th>D4 (mm)</th>
<th>D3 (mm)</th>
<th>L (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC045-4DQ.4F.A7</td>
<td>141 440</td>
<td>535</td>
<td>21.06</td>
<td>113</td>
<td>4.45</td>
<td>14</td>
<td>0.55</td>
<td>141</td>
<td>5.55</td>
<td>96</td>
<td>3.78</td>
</tr>
<tr>
<td>FC045-6DQ.4C.A7</td>
<td>141 446</td>
<td>535</td>
<td>21.06</td>
<td>98</td>
<td>3.86</td>
<td>14</td>
<td>0.55</td>
<td>126</td>
<td>4.96</td>
<td>96</td>
<td>3.78</td>
</tr>
<tr>
<td>FC050-4DQ.4I.A7</td>
<td>141 452</td>
<td>615</td>
<td>24.21</td>
<td>141</td>
<td>5.55</td>
<td>16</td>
<td>0.63</td>
<td>225</td>
<td>8.86</td>
<td>104</td>
<td>4.09</td>
</tr>
<tr>
<td>FC050-6DQ.4C.A7</td>
<td>141 458</td>
<td>615</td>
<td>24.21</td>
<td>98</td>
<td>3.86</td>
<td>16</td>
<td>0.63</td>
<td>126</td>
<td>4.96</td>
<td>104</td>
<td>4.09</td>
</tr>
<tr>
<td>FC056-6DQ.4F.A7</td>
<td>141 467</td>
<td>675</td>
<td>26.57</td>
<td>121</td>
<td>4.76</td>
<td>16</td>
<td>0.63</td>
<td>205</td>
<td>8.07</td>
<td>119</td>
<td>4.69</td>
</tr>
</tbody>
</table>

**L-KL-2681**
<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A</th>
<th>B1</th>
<th>B2</th>
<th>B3</th>
<th>B4</th>
<th>B5</th>
<th>D2</th>
<th>D4</th>
<th>D3</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC045-4EQ.4F.A7</td>
<td>141 598</td>
<td>535</td>
<td>21.06</td>
<td>141</td>
<td>5.55</td>
<td>14</td>
<td>0.55</td>
<td>205</td>
<td>8.07</td>
<td>96</td>
<td>3.78</td>
</tr>
<tr>
<td>FC045-6EQ.4C.A7</td>
<td>141 601</td>
<td>535</td>
<td>21.06</td>
<td>126</td>
<td>4.96</td>
<td>14</td>
<td>0.55</td>
<td>190</td>
<td>7.48</td>
<td>96</td>
<td>3.78</td>
</tr>
<tr>
<td>FC050-4EQ.4I.A7</td>
<td>141 455</td>
<td>615</td>
<td>24.21</td>
<td>141</td>
<td>5.55</td>
<td>16</td>
<td>0.63</td>
<td>203</td>
<td>7.99</td>
<td>104</td>
<td>4.09</td>
</tr>
<tr>
<td>FC050-6EQ.4F.A7</td>
<td>141 461</td>
<td>615</td>
<td>24.21</td>
<td>126</td>
<td>4.96</td>
<td>16</td>
<td>0.63</td>
<td>183</td>
<td>7.2</td>
<td>104</td>
<td>4.09</td>
</tr>
<tr>
<td>FC056-6EQ.4I.A7</td>
<td>141 607</td>
<td>675</td>
<td>26.57</td>
<td>143</td>
<td>5.63</td>
<td>16</td>
<td>0.63</td>
<td>203</td>
<td>7.99</td>
<td>119</td>
<td>4.69</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Electrical connection**

Connection cable
**Electrical connection**

Terminal box K62

---

### FC_ _ _-_ DQ.6_.A7

- **Airflow direction**: A
- **Design**: Q

---

#### Dimensions

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A (mm/inch)</th>
<th>B1 (mm/inch)</th>
<th>B2 (mm/inch)</th>
<th>B3 (mm/inch)</th>
<th>B4 (mm/inch)</th>
<th>B5 (mm/inch)</th>
<th>D2 (mm/inch)</th>
<th>D4 (mm/inch)</th>
<th>D3 (mm/inch)</th>
<th>L (mm/inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC056-4DQ.6K.A7</td>
<td>141 464</td>
<td>675/26.57</td>
<td>168/6.61</td>
<td>16/0.63</td>
<td>246/9.69</td>
<td>119/4.69</td>
<td>53/2.09</td>
<td>568/22.36</td>
<td>11/0.43</td>
<td>589/23.19</td>
<td>725/28.54</td>
</tr>
<tr>
<td>FC063-4DQ.6N.A7</td>
<td>141 473</td>
<td>750/29.53</td>
<td>200/7.87</td>
<td>20/0.79</td>
<td>271/10.67</td>
<td>130/5.12</td>
<td>51/2.01</td>
<td>643/25.31</td>
<td>11/0.43</td>
<td>664/26.14</td>
<td>805/31.69</td>
</tr>
<tr>
<td>FC063-6DQ.6F.A7</td>
<td>141 476</td>
<td>750/29.53</td>
<td>150/5.91</td>
<td>20/0.79</td>
<td>221/8.7</td>
<td>130/5.12</td>
<td>51/2.01</td>
<td>643/25.31</td>
<td>11/0.43</td>
<td>664/26.14</td>
<td>805/31.69</td>
</tr>
</tbody>
</table>

---

**L-KL-2687**
### FC_ _ __ DQ.6_ .A7

**Airflow direction** A  
**Design** Q

#### Electrical connection
Terminal box K62*/K07**

### Table

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A (mm)</th>
<th>A (inch)</th>
<th>B1 (mm)</th>
<th>B1 (inch)</th>
<th>B2 (mm)</th>
<th>B2 (inch)</th>
<th>B3 (mm)</th>
<th>B3 (inch)</th>
<th>B4 (mm)</th>
<th>B4 (inch)</th>
<th>B5 (mm)</th>
<th>B5 (inch)</th>
<th>D2 (mm)</th>
<th>D2 (inch)</th>
<th>D4 (mm)</th>
<th>D4 (inch)</th>
<th>D3 (mm)</th>
<th>D3 (inch)</th>
<th>L (mm)</th>
<th>L (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC071-6DQ.6K.A7*</td>
<td>141 483</td>
<td>810</td>
<td>31.89</td>
<td>202</td>
<td>7.95</td>
<td>20</td>
<td>0.79</td>
<td>246</td>
<td>9.69</td>
<td>150</td>
<td>5.91</td>
<td>37</td>
<td>1.46</td>
<td>720</td>
<td>28.35</td>
<td>14.5</td>
<td>0.57</td>
<td>763</td>
<td>30.04</td>
<td>850</td>
<td>33.46</td>
</tr>
<tr>
<td>FC080-6DQ.6N.A7*</td>
<td>141 485</td>
<td>910</td>
<td>35.83</td>
<td>252</td>
<td>9.92</td>
<td>17</td>
<td>0.67</td>
<td>271</td>
<td>10.67</td>
<td>193</td>
<td>7.6</td>
<td>34</td>
<td>1.34</td>
<td>804</td>
<td>31.65</td>
<td>14.5</td>
<td>0.57</td>
<td>869</td>
<td>34.21</td>
<td>970</td>
<td>38.19</td>
</tr>
<tr>
<td>FC091-6DQ.7Q.A7**</td>
<td>141 487</td>
<td>1010</td>
<td>39.76</td>
<td>278</td>
<td>10.94</td>
<td>20</td>
<td>0.79</td>
<td>322.5</td>
<td>12.7</td>
<td>190</td>
<td>7.48</td>
<td>41</td>
<td>1.61</td>
<td>922</td>
<td>36.3</td>
<td>14.5</td>
<td>0.57</td>
<td>977</td>
<td>38.46</td>
<td>1070</td>
<td>42.13</td>
</tr>
<tr>
<td>FC100-ZDQ.7Q.A7**</td>
<td>141 489</td>
<td>1110</td>
<td>43.7</td>
<td>305</td>
<td>12.01</td>
<td>20</td>
<td>0.79</td>
<td>322.5</td>
<td>12.7</td>
<td>200</td>
<td>7.87</td>
<td>40</td>
<td>1.57</td>
<td>1016</td>
<td>40</td>
<td>14.5</td>
<td>0.57</td>
<td>1067</td>
<td>42.01</td>
<td>1170</td>
<td>46.06</td>
</tr>
</tbody>
</table>

---

**L-KL-2692**
FC_---_EQ.6_.A7

Airflow direction A
Design Q

<table>
<thead>
<tr>
<th>Type</th>
<th>Article no.</th>
<th>A</th>
<th>B1</th>
<th>B2</th>
<th>B3</th>
<th>B4</th>
<th>B5</th>
<th>D2</th>
<th>D3</th>
<th>D4</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC063-6EQ.6F.A7</td>
<td>141 604</td>
<td>750</td>
<td>29.53</td>
<td>149.5</td>
<td>5.89</td>
<td>20</td>
<td>0.79</td>
<td>200.5</td>
<td>7.89</td>
<td>130</td>
<td>5.12</td>
</tr>
</tbody>
</table>

Electrical connection
Connection cable