Powerful access

for more savings

STULZ has worked towards lowering expenses by reducing operating costs. Life cycle costs and power consumption. And now, the same German efficiency will be available in India at an unbeatable price advantage.

CALL IN THE
ENERGY EXPERTS

Technical data subject to changes without notice.

Stulz iEC series

Inverter Scroll

STULZ the natural choice

iEC

emotion
STULZ Quality Assurance
for energy saving and reliability

STULZ has developed a strict set of guidelines, which all STULZ production sites worldwide must adhere to. These Quality Assurance Parameters ensure you get the best possible product.

» Machine Pipe Bending
» Vibration Absorber
» Automated Electronic Nitrogen Testing
» Power Monitoring Switch
» Gasflux
» Hi-Pot Testing
» Wire cut and strip technologies
» Witness Testing Facility
» Clients assured of capacity and performance parameters of units.
» Operational/witness testing of units at design conditions in addition to standard dry run testing.
Stulz iEC - DP Series

- Powerful Savings in operating costs

**Inverter Scroll Compressor**
Generation Next Technology

What is an Inverter Scroll Compressor?
- DC compressor which offers *stepless* capacity controls
- Cooling capacity ranging from 5KW – 130KW
- Power supply 380V (20 – 120 rps)
- Technology that offers highest reliability
- Maximum savings in power consumption in comparison with other technologies offering capacity control

**EC Fan Technology**
Nothing comes close to it

What is an EC motor?
- An EC motor is a DC motor with a shunt characteristic.
- The rotary motion is achieved by supplying the power via a switching device - the commutator.
- Previously, the commutator was realised using mechanical carbon brushes, and hence, had a limited service life of only a few thousand hours.
- On EC motors, this commutation is performed electronically, and therefore, wear-free offering a service life of 80,000 hours.

Supply air section below false floor in combination with inverter scroll compressor & electronic motor ensures optimization of the entire unit design for efficiency & wide range of capacity control.

* Technical data available on request
Stulz iEC Series

iEC Series is equipped with inverter scroll compressor and electronically commutated fan motor for maximum energy savings.

Up Flow

Front Flow

Down Flow

All models available in three flow options.

Powerful Statistics - 3 way air flow

Technical Specifications: iEC Series

<table>
<thead>
<tr>
<th>Model</th>
<th>ECIQ5A</th>
<th>ECIQ7A</th>
<th>ECIQ7A</th>
<th>ECIQ7A</th>
<th>ECIQ7A</th>
<th>ECIQ10A</th>
<th>ECIQ12A</th>
</tr>
</thead>
<tbody>
<tr>
<td>On Cooling Capacity [kW]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Airflow [m³/h]</td>
<td>30</td>
<td>45</td>
<td>70</td>
<td>90</td>
<td>120</td>
<td>150</td>
<td>200</td>
</tr>
<tr>
<td>No. of Compressors</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Type of Fan</td>
<td>Direct</td>
<td>Direct</td>
<td>Direct</td>
<td>Direct</td>
<td>Direct</td>
<td>Direct</td>
<td>Direct</td>
</tr>
<tr>
<td>Type of Compressor</td>
<td>Small</td>
<td>Small</td>
<td>Small</td>
<td>Small</td>
<td>Small</td>
<td>Small</td>
<td>Small</td>
</tr>
<tr>
<td>Voltage [V]</td>
<td>380</td>
<td>380</td>
<td>380</td>
<td>380</td>
<td>380</td>
<td>380</td>
<td>380</td>
</tr>
<tr>
<td>Power Supply [kW]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions [mm]</td>
<td>1660</td>
<td>1660</td>
<td>1680</td>
<td>1690</td>
<td>1690</td>
<td>1660</td>
<td>1660</td>
</tr>
<tr>
<td>Width [mm]</td>
<td>1090</td>
<td>1410</td>
<td>1710</td>
<td>2190</td>
<td>2540</td>
<td>2900</td>
<td>2900</td>
</tr>
<tr>
<td>Depth [mm]</td>
<td>920</td>
<td>920</td>
<td>920</td>
<td>920</td>
<td>920</td>
<td>920</td>
<td>920</td>
</tr>
<tr>
<td>Gross Weight [Kg]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

High flexibility product range

Cooling Capacity

- 5 kW
- 130 kW

Ambient Temperatures

-15°C to +45°C

> Multiple Inverter configuration available as an option

Gross output based on 45°C dry air input conditioning temperatures at 20°C dry air output temperature and 80% RH. Specifications subject to change without notice.
Stulz iEC Series

iEC Series is equipped with inverter scroll compressor and electronically commutated fan motor for maximum energy savings.

Powerful Statistics - 3 way air flow

Technical Specifications: iEC Series

<table>
<thead>
<tr>
<th>Model</th>
<th>EEC105A</th>
<th>EEC75A</th>
<th>EEC75A</th>
<th>EEC75A</th>
<th>EEC75A</th>
<th>EEC75A</th>
<th>EEC75A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling Capacity (kW)</td>
<td>10.5</td>
<td>5.5</td>
<td>5.5</td>
<td>5.5</td>
<td>5.5</td>
<td>5.5</td>
<td>5.5</td>
</tr>
<tr>
<td>Airflow (CFM) @ 20°F</td>
<td>8000</td>
<td>8000</td>
<td>8000</td>
<td>8000</td>
<td>8000</td>
<td>8000</td>
<td>8000</td>
</tr>
<tr>
<td>No. of Fans</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Type of Fan</td>
<td>Direct</td>
<td>Direct</td>
<td>Direct</td>
<td>Direct</td>
<td>Direct</td>
<td>Direct</td>
<td>Direct</td>
</tr>
<tr>
<td>Type of Compressor</td>
<td>Small</td>
<td>Small</td>
<td>Small</td>
<td>Small</td>
<td>Small</td>
<td>Small</td>
<td>Small</td>
</tr>
<tr>
<td>Power Supply (V)</td>
<td>480</td>
<td>480</td>
<td>480</td>
<td>480</td>
<td>480</td>
<td>480</td>
<td>480</td>
</tr>
<tr>
<td>Heater</td>
<td>Electric</td>
<td>Electric</td>
<td>Electric</td>
<td>Electric</td>
<td>Electric</td>
<td>Electric</td>
<td>Electric</td>
</tr>
<tr>
<td>Dimensions (mm)</td>
<td>1560</td>
<td>1560</td>
<td>1560</td>
<td>1560</td>
<td>1560</td>
<td>1560</td>
<td>1560</td>
</tr>
<tr>
<td>Depth</td>
<td>920</td>
<td>920</td>
<td>920</td>
<td>920</td>
<td>920</td>
<td>920</td>
<td>920</td>
</tr>
<tr>
<td>Height</td>
<td>315</td>
<td>475</td>
<td>700</td>
<td>960</td>
<td>993</td>
<td>1510</td>
<td></td>
</tr>
<tr>
<td>Weight (Kgs)</td>
<td>833</td>
<td>833</td>
<td>833</td>
<td>833</td>
<td>833</td>
<td>833</td>
<td></td>
</tr>
</tbody>
</table>

High flexibility product range

- Multiple Inverter configuration available as an option

All models available in three flow options.
**Powerful Savings in operating costs**

**INVERTER SCROLL COMPRESSOR**

**GENERATION NEXT TECHNOLOGY**

**What is an Inverter Scroll Compressor?**

- DC compressor which offers stepless capacity controls
- Cooling capacity ranging from SKW – 130KW
- Power supply 380V (20 – 120 rps)
- Technology that offers highest reliability
- Maximum savings in power consumption in comparison with other technologies offering capacity control

**EC Fan Technology**

**NOTHING COMES CLOSE TO IT**

**What is an EC motor?**

- An EC motor is a DC motor with a shunt characteristic.
- The rotary motion is achieved by supplying the power via a switching device - the commutator.
- Previously, the commutator was realised using mechanical carbon brushes, and hence, had a limited service life of only a few thousand hours.
- On EC motors, this commutation is performed electronically, and therefore, wear free offering a service life of 80,000 hours.

*Technical data available on request.*
Production facility in India

STULZ Quality Assurance
for energy saving and reliability

STULZ has developed a strict set of guidelines, which all STULZ production sites worldwide must adhere to. These Quality Assurance Parameters ensure you get the best possible product.

» Machine Pipe Bending
» Vibration Absorber
» Automated Electronic Nitrogen Testing
» Power Monitoring Switch
» Gasflux
» Hi-Pot Testing
» Wire cut and strip technologies
» Witness Testing Facility
» Clients assured of capacity and performance parameters of units.
» Operational/witness testing of units at design conditions in addition to standard dry run testing.

Global Production Centres

China  |  India
USA   |  Germany   |  Italy