

## Technical Data      AQ26I

### Performances

|                   |    | <b>B0W35</b> | <b>B0W55</b> | <b>W10W35</b> | <b>W10W55</b> | <b>B-5W35</b> |
|-------------------|----|--------------|--------------|---------------|---------------|---------------|
| Heating Capacity  | kW | 7,62         | 6,88         | 10,24         | 9,21          | 5,34          |
| Cooling Capacity  | kW | 6,02         | 4,63         | 8,62          | 6,80          | 3,80          |
| Power In          | kW | 1,70         | 2,35         | 1,72          | 2,51          | 1,64          |
| COP               | -  | 4,49         | 2,93         | 5,95          | 3,67          | 3,25          |
| Operating Current | A  | 8,2          | 11,1         | 8,3           | 11,8          | 8,0           |

### Compressor

|                  |               |     |
|------------------|---------------|-----|
| Type             | BLDC Inverter |     |
| Speed            | 20-75         | rps |
| Charge POE oil   | 0,9           | l   |
| LRC***           | -             | A   |
| Max. Op. Current | 12            | A   |

### Evaporator

|                   |         |      |
|-------------------|---------|------|
| Type              | PHE     |      |
| Material          | AISI316 |      |
| Water Flow (W/W)  | 1,03    | kg/s |
| Minimum Flow      | 0,77    | kg/s |
| Brine Flow (B/W)  | 0,48    | kg/s |
| Minimum Flow      | 0,29    | kg/s |
| Temp. Difference  | 3       | K    |
| Internal Volume   | 5,1     | l    |
| Max. Water Overp. | 250     | kPa  |
| Max. Ref. Overp.  | 4,20    | MPa  |
| Pump Ext. Head    | 4,0     | m    |
| Pump Motor        | 70      | W    |

### Condenser

|                   |         |      |
|-------------------|---------|------|
| Type              | PHE     |      |
| Material          | AISI316 |      |
| Water Flow        | 0,33    | kg/s |
| Minimum Flow      | 0,25    | kg/s |
| Temp. Difference  | 5,0     | K    |
| Internal Volume   | 4,1     | l    |
| Max. Water Overp. | 250,0   | kPa  |
| Max. Ref. Overp.  | 4,2     | MPa  |
| Pump Ext. Head    | 6,0     | m    |
| Pump Motor        | 70,0    | W    |

### Refrigerant Circuit

|             |       |    |
|-------------|-------|----|
| Refrigerant | R410a |    |
| Charge      | 1,3   | kg |

### Aux. Heater (Option)

|                  |               |
|------------------|---------------|
| Heating Capacity | 3-4(4,5-6) kW |
|------------------|---------------|

### Controls

|                     |         |
|---------------------|---------|
| Controller          | pCO5    |
| EEV                 | Yes     |
| Water Probe         | Yes     |
| SHW Probe/Output    | Yes     |
| Mixing Probe/Output | Yes, 2x |
| Outdoor Probe       | Yes     |
| Dynamic Set Point   | Yes     |
| Refrigerant Probe   | 2xPT    |

### Power Supply

|                   |                        |
|-------------------|------------------------|
| Voltage           | 1x230 (3x $\sqrt{3}$ V |
| Frequency         | 50 Hz                  |
| Max. Current      | 20/0/0 A               |
| Incl. Aux. Heater | 20/10/10 A             |

### Connections and Dimensions

|                  |              |
|------------------|--------------|
| Hot Water, Brine | 1"      "OD  |
| He x Wi x De     | 120x56x72 cm |
| Weight           | 165 kg       |

### Limits

|                   |        |     |
|-------------------|--------|-----|
| W/B Overpressure  | 0,25   | MPa |
| Ref. Overpressure | 4,2    | MPa |
| Brine Min/Max     | -5/+20 | °C  |
| Water Min/Max     | 20/60  | °C  |

\*B0W35, acc. to EN14511, at 60rps

"B0"      Brine Inlet 0°C

"W35"      Water Outlet 35°C

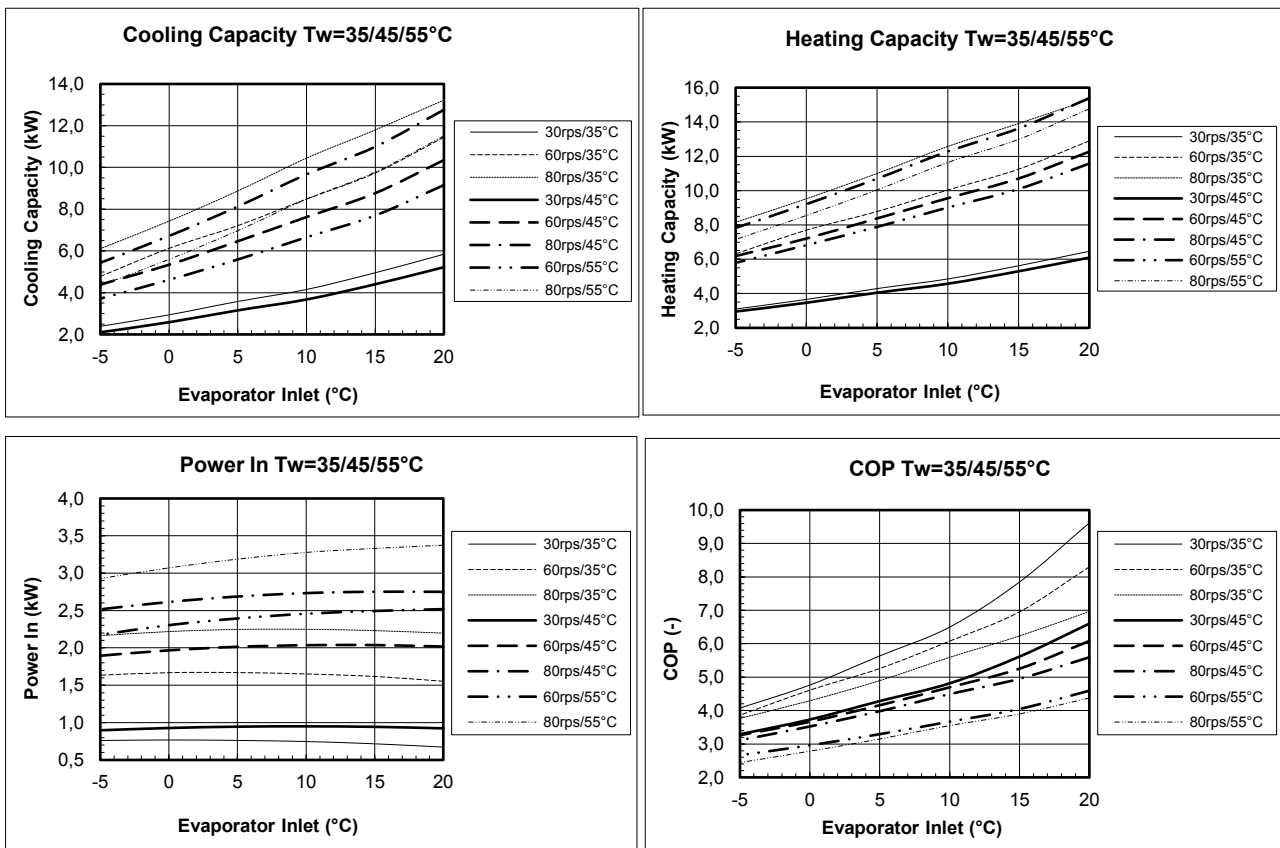
Performance Tolerance EN14511

\*\* **Effective Power acc. to EN14511**

\*\*\* Locked Rotor Current

## Technical Data AQ26I

### Performance \*



\* Performance Tolerance  $\pm 10\%$

### Dimensions, Connections

1. Water / Brine Inlet 1" OD
2. Water / Brine Outlet 1" OD
3. Hot Water Outlet 1" OD
4. Hot Water Inlet 1" OD
5. 2xPG16, 4xPG13.5

