



## Low-temperature unit ANL 186 TTK 250/30W-1

### Electrical data

|   |  |
|---|--|
| Supply voltage                            | 400 V / 50 Hz / 3 Ph+N                       |
| Max. current draw                         | 570 A  |
| Minimum cable cross-section for 25 m feed | 2x 5x 185 mm <sup>2</sup> (Doppelt auflegen) |

### Refrigeration circuit

|                                  |       |
|----------------------------------|-------|
| Refrigerant                      | R449A |
| Number of refrigeration circuits | 1     |
| Number of compressors            | 1     |

### Dimensions and weight

|        |          |
|--------|----------|
| Length | 2.991 mm |
| Width  | 2.438 mm |
| Height | 2.591 mm |
| Weight | 4.000 kg |

### Connections

|          |                |
|----------|----------------|
| Consumer | Flansch DN 100 |
|----------|----------------|

### Operating environment

|                            |
|----------------------------|
| Max. 35 °C Außentemperatur |
|----------------------------|

### Coolant

|                 |
|-----------------|
| Wasser / Glykol |
|-----------------|

### Special equipment

|                          |
|--------------------------|
| Fernwartung: UMTS-Router |
|--------------------------|

# Low-temperature unit ANL 186 TTK 250/30W-1



Table 1: Water-cooled at +38 °C inlet (e.g. glycol) tc = 48 °C

| Brine temperature [°C] | Evaporation [°C] | Capacity control [%] | Cooling capacity [kW] | Electrical power [kW] | Current draw [A] | Heat output [kW] |
|------------------------|------------------|----------------------|-----------------------|-----------------------|------------------|------------------|
| -40                    | -                | -                    | -                     | -                     | -                | -                |
| -35                    | -                | -                    | -                     | -                     | -                | -                |
| -30                    | -                | -                    | -                     | -                     | -                | -                |
| -25                    | -30              | 100                  | 289                   | 241                   | 394              | 433              |
| -20                    | -25              | 100                  | 361                   | 250                   | 408              | 531              |

Table 2: Water-cooled at +27 °C inlet (e.g. cooling tower) tc = 37 °C

| Brine temperature [°C] | Evaporation [°C] | Capacity control [%] | Cooling capacity [kW] | Electrical power [kW] | Current draw [A] | Heat output [kW] |
|------------------------|------------------|----------------------|-----------------------|-----------------------|------------------|------------------|
| -40                    | -                | -                    | -                     | -                     | -                | -                |
| -35                    | -40              | 100                  | 201                   | 176                   | 297              | 311              |
| -30                    | -35              | 100                  | 257                   | 183                   | 307              | 391              |
| -25                    | -30              | 100                  | 322                   | 191                   | 318              | 482              |
| -20                    | -25              | 100                  | 398                   | 199                   | 330              | 585              |

Table 3: Water-cooled at +8 °C inlet (e.g. chiller) tc = 20 °C

| Brine temperature [°C] | Evaporation [°C] | Capacity control [%] | Cooling capacity [kW] | Electrical power [kW] | Current draw [A] | Heat output [kW] |
|------------------------|------------------|----------------------|-----------------------|-----------------------|------------------|------------------|
| -40                    | -                | -                    | -                     | -                     | -                | -                |
| -35*                   | -40*             | 100*                 | 227*                  | 123*                  | 225*             | 346*             |
| -30                    | -35              | 100                  | 287                   | 130                   | 233              | 421              |
| -25                    | -30              | 100                  | 357                   | 135                   | 240              | 498              |
| -20                    | -25              | 100                  | 437                   | 140                   | 246              | 585              |

*The cooling capacity stated above is the net capacity at the evaporator. The heat input into the hydraulic system caused by external pumps and insulation losses must be taken into account.*

*\* Rated operating point*