

Low-temperature unit
ANL 187 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 ² (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
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Operating environment

Max. 35 °C Außentemperatur

Coolant

Wasser / Glykol

Special equipment

Fernwartung: UMTS-Router

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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*