How to use the Correction factors proposed in the previous tables

A) Mixture Water and Glycol---Evaporator leaving water temperature > 4°C
- depending from the type and percentage (%) of glycol filled in the circuit (see table 3.2 and 5)
- multiply the Cooling Capacity, the Compressor Power Input by the Correction factor of Table 5
- starting from this new value of Cooling Capacity, calculate the Flow Rate (l/s) and the Evaporatore Pressure Drop (kPa)
- now multiply the new Flow Rate and the new Evaporator Pressure Drop by the Correction Factors of Table 5

Example

Unit size:	**EWLD110J-SS**
Mixture:	Water
Working condition:	ELWT 12/7°C - Saturated discharge temperature 45°C
- Cooling capacity:	110 kW
- Power input:	30.9 kW
- Flow Rate (△t 5°C):	5.24
- Evaporator Pressure Drop:	14kPa
Mixture:	Water+Ethylene glycol 30% (for a winter air temperature up to -15°C)
Working condition:	ELWT 12/7°C - Saturated discharge temperature 45°C
- Cooling capacity:	110 x 0.972 = 107 kW
- Power input:	30.9 x 0.986 = 30.5 kW
- Flow Rate (△t 5°C):	5.11 l/s (referred to 107 kW) x 1.074 = 5.49 l/s
- Evaporator Pressure Drop:	15 (referred to 5.49 l/s) x 1.181 = 18kPa

B) Mixture Water and Glycol---Evaporator leaving water temperature < 4°C
- depending from the type and percentage (%) of glycol filled in the circuit (see table 3.1 and 3.2 and table 5)
- depending from the evaporator leaving water temperature (see table 4)
- multiply the Cooling Capacity, the Compressor Power Input by the Correction factor of Table 4 and Table 5
- starting from this new value of Cooling Capacity, calculate the Flow Rate (l/s) and the Evaporatore Pressure Drop (kPa)
- now multiply the new Flow Rate and the new Evaporator Pressure Drop by the Correction Factors of Table 5

Example

Unit size:	**EWLD110J-SS**
Mixture:	Water
Working condition:	ELWT 12/7°C - Saturated discharge temperature 40°C
- Cooling capacity:	115 kW
- Power input:	28 kW
- Flow Rate (△t 5°C):	5.49
- Evaporator Pressure Drop:	15kPa
Mixture:	Water+Ethylene glycol 30% (for a low evaporator leaving temperature of 0/-5°C)
Working condition:	ELWT 0/-5°C - Saturated discharge temperature 40°C
- Cooling capacity:	110 x 0.641 x 0.972 = 68.5 kW
- Power input:	28 x 0.880 x 0.986 = 24.3 kW
- Flow Rate (△t 5°C):	3.27 l/s (referred to 68.5 kW) x 1.074 = 3.51 l/s
- Evaporator Pressure Drop:	7 kPa (referred to 3.51 l/s) x 1.181 = 9kPa