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 4.2 and 6)
- multiply the Cooling Capacity, the Compressor Power Input by the Correction factor of Table 6
- 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 6

Example

Unit size:	**EWWD120J-SS**
Mixture:	Water
Working condition:	ELWT 12/7°C - CLWT 30/35°C
- Cooling capacity:	121 kW
- Power input:	27.3 kW
- Flow Rate (△t 5°C):	5.78
- Evaporator Pressure Drop:	15kPa
Mixture:	Water+Ethylene glycol 30% (for a winter air temperature up to -15°C)
Working condition:	ELWT 12/7°C - CLWT 30/35°C
- Cooling capacity:	121 x 0.972 = 118 kW
- Power input:	27.3 x 0.986 = 26.9 kW
- Flow Rate (△t 5°C):	5.64 l/s (referred to 118 kW) x 1.074 = 6.06 l/s
- Evaporator Pressure Drop:	16 (referred to 6.06 l/s) x 1.181 = 19kPa

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 4.1 and 4.2 and table 6)
- depending from the evaporator leaving water temperature (see table 5)
- multiply the Cooling Capacity, the Compressor Power Input by the Correction factor of Table 5 and Table 6
- 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 6

Example

Unit size:	**EWWD120J-SS**
Mixture:	Water
Working condition:	ELWT 12/7°C - CLWT 30/35°C
- Cooling capacity:	121 kW
- Power input:	27.3 kW
- Flow Rate (△t 5°C):	5.78
- 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 - CLWT 30/35°C
- Cooling capacity:	121 x 0.641 x 0.972 = 75.4 kW
- Power input:	27.3 x 0.880 x 0.986 = 23.7 kW
- Flow Rate (△t 5°C):	3.60 l/s (referred to 75.4 kW) x 1.074 = 3.87 l/s
- Evaporator Pressure Drop:	7 kPa (referred to 3.87 l/s) x 1.181 = 9kPa