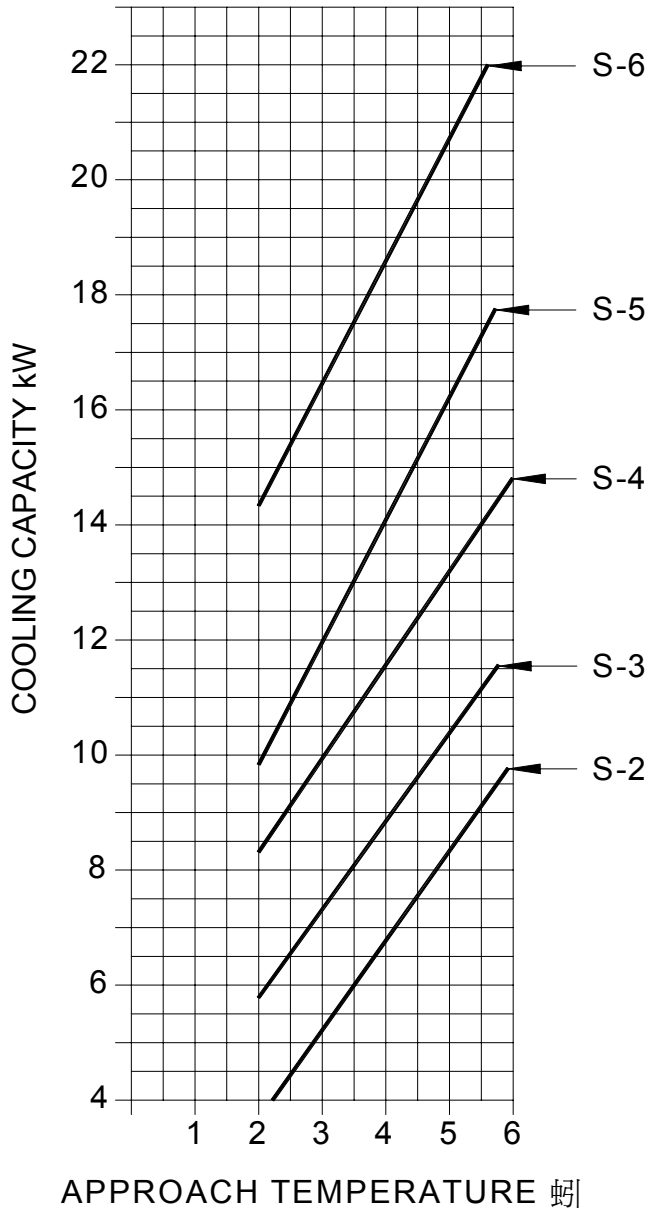




## AQUA SYSTEMS "S" SERIES LIQUID CHILLING EVAPORATORS. PERFORMANCE DATA.



### Application.

The curves shown are for fresh water cooling duties with water leaving temperatures between 2°C and 10°C. Entering liquid refrigerant temperature at T.X. valve 32°C. Suction superheat 5K.

### Approach Temperature.

The approach temperature is the difference between the refrigerant evaporating temperature and leaving water temperature.

### Water Temperature Drop.

Water temperature drop will vary with flow rate. The curves opposite are for average T.D. of 5K at the design conditions. During pull down the temperature drop through the evaporator will vary.

### Installation.

The "S" series evaporators are counterflow water to refrigerant. They should be adequately vapour sealed and thermally insulated to prevent condensation or ice forming on the evaporator shell or performance will be affected.

### Equipment Selection.

When selecting compressor, use SST 3K below evaporating temperature to allow for suction line P.D. and 5K when a suction accumulator is used.