

# MICRO-CHANNEL HEAT EXCHANGERS

## SD STANDARD RANGE

FOR SIGNIFICANT REDUCTIONS IN ENERGY CONSUMPTION

# SANHUA

**Suitable for a wide range of applications including refrigeration display cases, precision cooling and heat pumps, Sanhua micro-channel heat exchangers feature a horizontal flow to provide better heat transfer than traditional fin and tube coils.**

Efficiency is improved by 30% while a smaller internal volume means a 30% reduction in refrigerant charge.

Available in an extensive range of sizes and shapes, the smallest MCHE measures 330mm long by 301mm high while the largest measures 2363mm by 905mm.

A special aluminium alloy known as Long Life Alloy (LLA) guarantees higher mechanical properties and an higher corrosion resistance, with a higher content of manganese and a lower content of copper, silicon and iron than the standard 3102.

**About Sanhua :** *Sanhua is the world's biggest EEV manufacturer, supplying more than 40 million EEVs every year. It is also the world's largest producer of Micro-Channel Heat Exchangers for stationery HVACR applications producing over 1.3 million MCHE condensers (CO & HP) and evaporators a year.*



### FEATURES

- Higher heat transfer than fin and tube coils with 30% greater efficiency
- Helps manufacturers meet SEER (Seasonal Energy Efficiency Ratio) and HSPF (Heating Seasonal Performance Factor) requirements
- Less air pressure drop (based on same heat rejection and same air speed value)
- Tubes with small section provide higher refrigerant speed and higher turbulence
- Compact design with 50% smaller internal volume than fin and tube coils
- Weight reduced by around 44%
- Refrigerant charge reduced by 30%

TO TALK TO OUR EXPERT TEAM,  
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