



CAMPBELL "SLHX" LIQUID / SUCTION HEAT EXCHANGERS FOR LOW PRESSURE REFRIGERANTS.

APPLICATION.

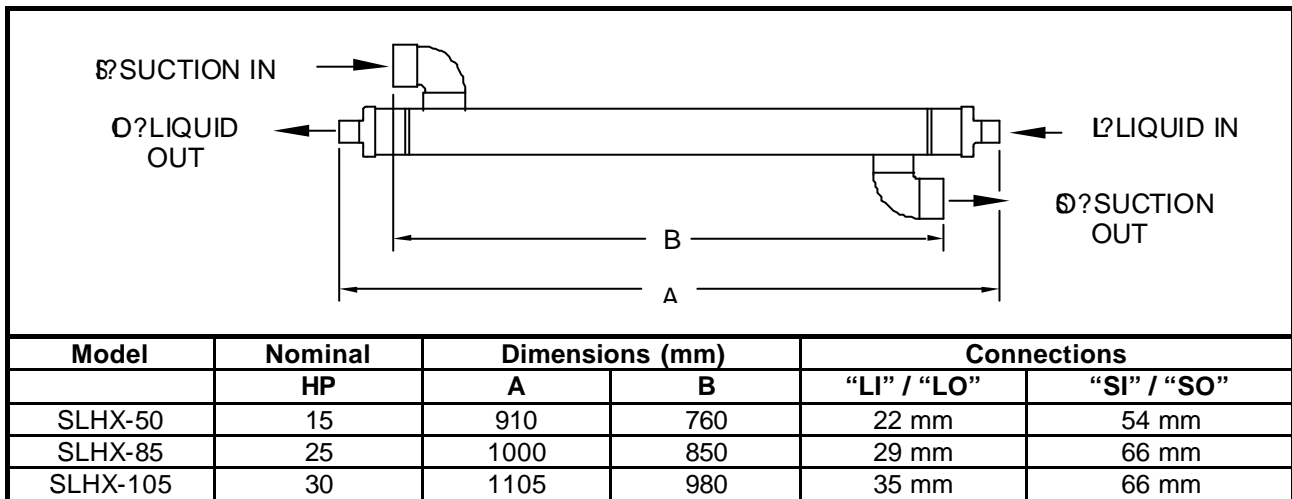
The SLHX series heat exchangers are designed to improve the operation of refrigeration systems in commercial and industrial installations.

By operating at a lower superheat leaving the coil the evaporator surfaces will be more efficiently utilised with the SLHX unit adding superheat to the suction gas and boiling off entrained liquid. The heat used to superheat the suction gas is removed from the liquid in the SLHX unit sub-cooling the liquid refrigerant eliminating flash gas in the liquid line and increasing the refrigerating capacity in the evaporator.

Being of multiple tube in tube design the liquid refrigerant passes through the shell over the extended surface copper tubes with minimal pressure drop and no oil trapping. The SLHX heat exchangers will not trap large amounts of excess refrigerant in the suction side as may be experienced on a defrost application although a suction accumulator should still be used.

A liquid by-pass with a control valve installed to bypass the SLHX unit to prevent excessive suction superheat is recommended.

The performance of the SLHX unit will vary with changes in system load, TX Valve operation, condensing temperature and condenser sub-cooling efficiency.



Note: Connections are all copper OD solder.