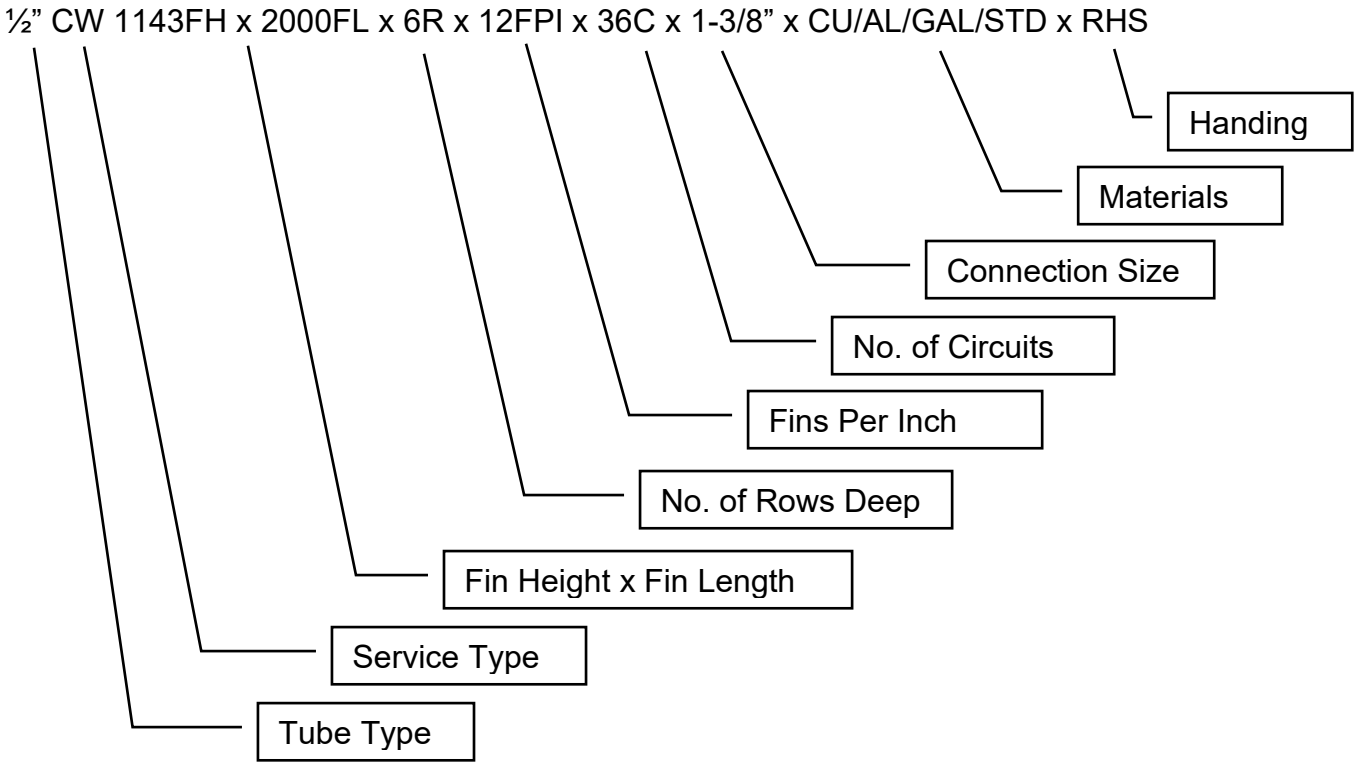
Heat Transfer Coil Nomenclature

The following nomenclature is used to describe coils for manufacture:



Tube Options:

3/8" – Standard plain bore 3/8" OD x 0.012" WT (9.52mm x 0.30mm) tube on 1" x 0.866" (25.4mm x 21.997mm) pattern
1/2" – Standard plain bore 1/2" OD x 0.015" WT (12.7mm x 0.38mm) tube on 1.25" x 1.08" (31.75mm x 27.496mm) pattern
5/8" – Standard plain bore 5/8" OD x 0.016" WT (15.87mm x 0.41mm) tube on 1.5" x 1.299" (38.1mm x 32.99mm) pattern

Additional options such as 5mm, 7mm, 5/16" tube bores are available for specialist applications.

Service Options:

CW Cold Water Cooling
HW Hot Water Heating
DX Refrigerant Cooling
CX Refrigerant Heating
ST Steam Heating

Row Options:

1, 2, 3, 4, 5, 6, 8, 10 & 12 rows deep.

Fin Options:

3/8" – Standard 0.115mm thick corrugate surface with ripple edge, minimum 7FPI, maximum 20FPI
1/2" – Standard 0.15mm thick corrugate surface with ripple edge, minimum 7FPI, maximum 16FPI
5/8" – Standard 0.15mm thick corrugate surface with ripple edge, minimum 8FPI, maximum 16FPI
Super Slit, Raised Lance, Sine Wave, And Sine Wave Slit options available for 3/8" fin.

Circuit Options:

Refer to standard circuit table.

Connection Size:
Water Coils – Refer to standard connection size table based on water flow rate.
Steam Coils – Refer to standard connection size table based on steam flow rate
Refrigerant Coils – Identify service (suction / liquid / hot gas) and size. Refer to refrigeration tables for standard sizing based on refrigerant flow. Also identify number and type of distributors, and method of circuiting (face split, row split, interlaced)

Construction Materials – Tube Material / Fin Material / Case Material / Post Treatment
Tube Material – Standard is copper tube (CU). Aluminium tube coils are also available for CO2 and ammonia applications.
Fin Material – Standard is aluminium fin (AL) with option for pre-coated aluminium fin (BF) or copper fin (CU).
Case Material – Options are galvanised steel (GAL), aluminium (AL), or stainless steel (SS).
Post Treatment – Options are standard acrylic (STD), two-pot epoxy (E), D-Coat (DC), or Heresite (HS).

Handing
LHS – Headers on left hand side looking in the direction of airflow.
RHS – Headers on right hand side looking in the direction of airflow.
REV – Reverse Casing for 1 & 2 row heating coils with headers projecting on upstream side in lieu of standard downstream side.

Additional Information Required for DX Coils
Number of distributors
Circuiting Type – Interlaced (I), Face Split (F), or Row Split (R)