

Direct Expansion Coil

Type DX

Primary Surface

Round seamless copper tubes are mechanically expanded into the fin collars of the secondary surface. The mechanical expansion provides a permanent metal-to-metal bond for efficient heat transfer. Tubes are staggered in the direction of airflow.

Secondary Surface

Corrugated aluminum or copper plate type fin that is die-formed. Fin collars are full-drawn to provide accurate control of fin spacing and maximum contact with tubes.

Headers

Seamless copper with die-formed holes that provide a parallel surface to the coil tube for strong brazing joints.

Connections

Interchangeable nozzle type refrigerant distributors are brass and suction connections are copper sweat. Standard coil has one distributor for one compressor circuit. An INTERTWINED coil has two distributors that provide full face control using two compressor circuits. A FACE SPLIT coil has two or more distributors for multiple compressor circuits.

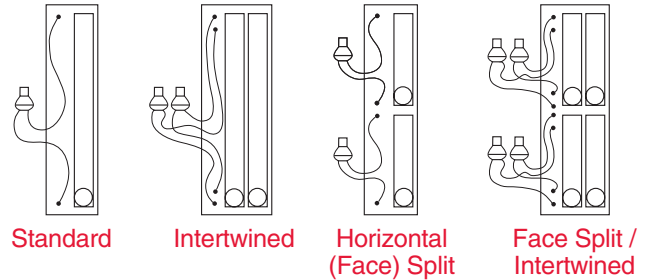
Casing

Casing is die-formed with 1½" flanges to permit easy stacking and mounting. Intermediate tube supports are supplied on coils over 44" fin length with an additional support every 42".



Circuiting

Coil circuiting options include: full face (std.), intertwined, horizontal (face) split, and face split / intertwined.



Testing and Performance

All coil assemblies are leak tested under water with nitrogen at 315 PSIG.

Coil Options

| Rows | Fin Height | Fin Length | Fin Spacing | Fin Thickness ALUMINUM | Fin Thickness COPPER | Tube O.D. Tube Thickness | Tube Spacing Face x Row | Casing | Max. Std. Operating Conditions |
|-------------------|------------|-------------|----------------------------|------------------------|---------------------------|--------------------------|-------------------------|------------------------------|--------------------------------|
| 3,4,5, 6,8, 10,12 | 6" to 60" | 12" to 157" | 1/2" 8 to 14 fins per inch | 1/2" 0.006" | 1/2" 0.006" | 1/2" 0.017" 0.025" | 1/2" 1.25"x1.083" | 16 or 14 GA Galvanized Steel | 250 PSIG |
| | | | 5/8" 6 to 14 fins per inch | 5/8" 0.008" 0.010" | 5/8" 0.006" 0.008" 0.010" | 5/8" 0.020" 0.025" | 5/8" 1.50"x1.299" | 304, 316 Stainless Steel | |



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175F-0519 (Replaces 175F-1118)

