



MARLO[™]
HEAT TRANSFER SOLUTIONS

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MARLO "H" COILS

Optimal Design for Exceptional Performance

Marlo "H" coils are steam distributing coils with 1" tubes on 2.25" centers. The casing is pitched towards the condensate drain for improved drainage over competitor's straight casings. Marlo "H" coils also offer a tighter vertical tube spacing than other coils on the market.

Other coil manufacturers have a 3" spacing between tubes in the vertical direction. Marlo coils are built on 2.25" vertical centers, greatly improving performance within the same height. This results in a higher leaving air temperature for a given size coil. In the following comparison, Marlo's "H" coil surpasses the performance of a competitor's coil even with a lower fin spacing (Marlo's 10 FPI versus competitor's

14 FPI). Having less FPI results in a lower air pressure drop (APD), thus reducing the required motor hp. This improves the efficiency of your system.

A single 2-row Marlo "H" coil can be used where it requires as many as four competitor's coils to get the same performance. The use of a Marlo "H" coil can dramatically reduce the cost of plumbing and installation costs when compared to competitor's coils that require multiple coils to meet your performance requirements.

Contact one of our application engineers or resellers to find out how Marlo coils can result in a higher performing system at a lower installed price.

 **LEONARDO DRS**

SPECIFICATIONS

COIL CONFIGURATION	MARLO "H" COIL	COMPETITORS
Fin height (in.)	29.5	30.00
Fin length (in.)	60.00	60.00
Number of rows deep	1	1
Tube vertical spacing (in.)	2.25	3.00
Fins Per Inch (FPI)	10	14
Tube dia. (in.)	1.0	1.0
Tube Material	Copper .035"	Copper .035"
Fin Material	Aluminum - .010"	Aluminum - .0095"
Fin Style	Turbex (sinwave) Marlo Exclusive	Rippled edges only
Coil weight (lbs.)	119	98

STEAM DATA

Steam pressure (PSIG)	15.0	15.0
Steam Temperature (°F)	249.2	249.2
Condensate flow rate (lb./hr.)	535.0	520.0

PERFORMANCE

Air velocity (5ft./min.)	513	500
Total capacity (MBH)	507	493
Ent. air DB (°F)	55.0	55.0
Lvg. air DB (°F)	129.8	127.5
Standard APD ("H2O)	0.19	0.24
Air flow (Sft3/min)	6,250	6,250

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