

A-FORCE SERIES

Titanium Helix Coil & PVC Insulated Shell Heat Exchanger (Direct Expansion)

Marine Build's horizontally mounted exchanger packages use UL and CSA certified components. The chiller barrel shell is SCH 40 PVC, which is NSF and CSA certified. The titanium helix coils are made out from Grade 2 commercially pure titanium tubing, which has both excellent structural strength and superior corrosion resistance. The titanium conforms to the requirements of ASME SB338-15.

Option: The floor-mounted aluminum frame is made from marine-grade aluminum, which has excellent corrosion-resistant properties.

1. Refrigeration OUT Connection: 90° Union Elbow SAE 45° Flare Fitting.
2. Refrigeration IN Connection: 90° Union Elbow SAE 45° Flare Fitting.
3. 1/2" OD titanium dry-well for temperature sensor.
4. Water connection IN / OUT: 1" SCH 40 Unions, Slip connection.
5. 6" PVC shell.
7. Option: PVC Ball-valve to drain exchanger.

~~link model in Document Setup.~~

~~Ball-valve~~

~~Relink model in Document Setup.~~

~~4~~

~~2~~

~~1~~

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A-Force Series
Specifications for AF-1/4-1HP Titanium Helix
Coils & PVC Insulated Shell Heat Exchanger
(Direct Expansion)

Marine Build Inc.

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~~January 25, 2024~~

A-FORCE SERIES

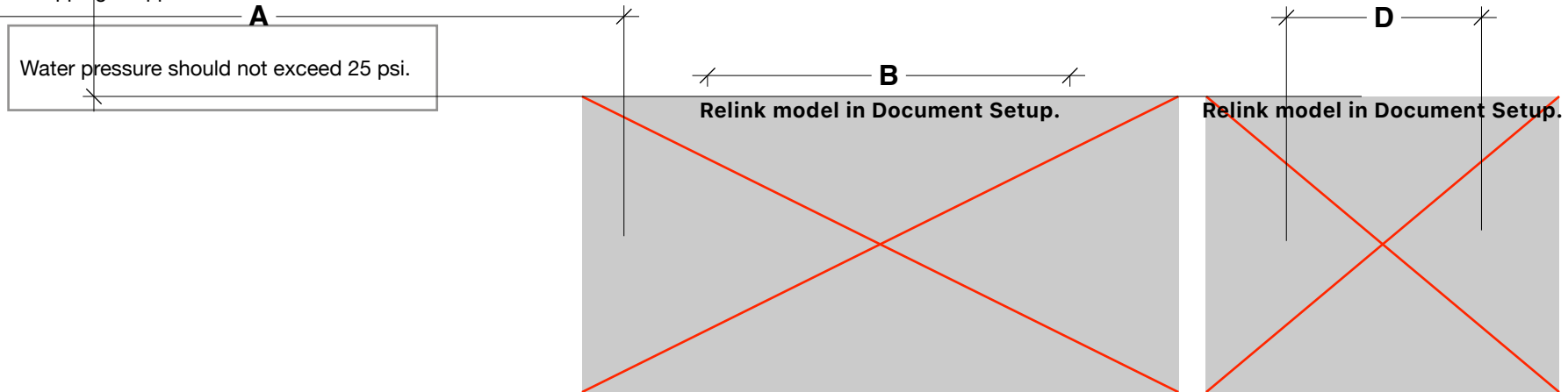
Specifications for AF-DX Titanium Helix Coil & PVC Shell Heat Exchanger (Direct Expansion)

Model#	HP	BTUH	KW	Refrigeration		Water IN / OUT	Water Flow (GPM)		A	B	C	D	Ship WT(LBS)
				IN	OUT		Min	Max					
AF-DX-0025-1U	1/4	3,000	0.87	3/8"	3/8"	1" Unions	10	30	13-1/2"	7-1/2"	7-1/4"	10"	30 **
AF-DX-0033-1U	1/3	4,000	1.17	3/8"	3/8"	1" Unions	10	40	13-1/2"	7-1/2"	7-1/4"	10"	30 **
AF-DX-0050-1U	1/2	6,000	1.75	3/8"	1/2"	1" Unions	10	40	15-1/2"	9-1/2"	7-1/4"	10"	30 **
AF-DX-0075-1U	3/4	9,000	2.63	1/2"	5/8"	1" Unions	10	40	19-1/2"	13-1/2"	7-1/4"	10"	30 **
AF-DX-0100-1U	1	12,000	3.51	1/2"	5/8"	1" Unions	15	40	23-1/2"	17-1/2"	7-1/4"	10"	30 **

Nominal HP rating based on 12,000 BTUH using 134A Refrigerant, 68°F (20°C) water on the process side @ 10-40 gpm.

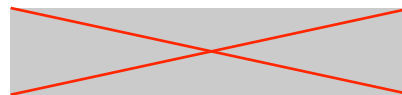
Contact Marine Build for BTUH capacity at different water temperatures.

** Shipping is approximate



Specifications subject to change without notice. Dimensions may vary, if size is critical please contact Marine Build to discuss options.

PAGE DESCRIPTION



A-Force Series

REVISIONS

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