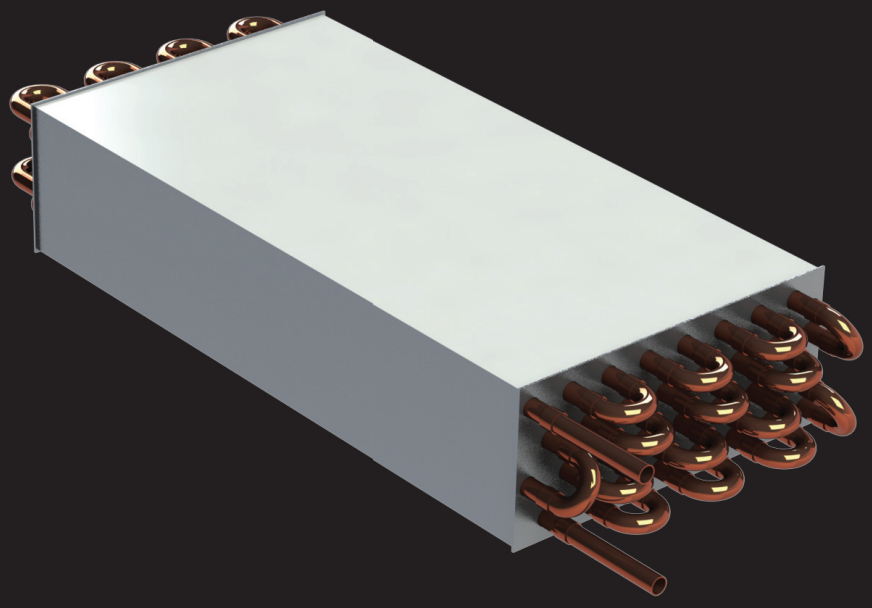
Buffalo Trident
BY BITZER GROUP

CUSTOM BUILT COILS

BUFFALO TRIDENT X FIN COILS

ORIGINAL MANUFACTURED EQUIPMENT

X-Fin Coils



HX-519-1 AUS

Product Specifications

BUFFALO TRIDENT designs and manufactures a wide range of standard and customised heat exchange equipment.

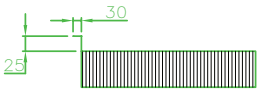
These Cross Fin Coils are primarily suitable for evaporator applications in cooling cabinet refrigeration systems. These designs can be applied with various refrigerants including R134a, R22, R404A as well as secondary fluids such as glycol.

BUFFALO TRIDENT coil design is supported by a highly qualified team of design engineers and draftspersons who can assist in the design of a suitable heat exchanger to suit most applications.

Coils can be manufactured in copper from 1/2" O.D or 5/8" O.D up to lengths of 3658mm fin length.

The cross fin coils come with Aluminium fin and Copper tube as standard, with optional gold epoxy fin.

Standard Stand Off Brackets (1.2mm Aluminium)

Type	Part No.	Stand Off (mm)	Return (mm)	
F (STANDARD)	R21000155	0	0	
B	R21000151	25	30	
D	R21000153	0	30	

Nomenclature

X F 4 09 3 4 - 3500

Product Code - Cross Fin Part Group

X F 4 09 3 4 - 3500

Mounting position: V = Vertical, H = Horizontal

X F 4 09 3 4 - 3500

Tube Diameter: 4 = 12.7mm OD, 5 = 15.875mm OD

X F 4 09 3 4 - 3500

No. of Tubes Wide or High

X F 4 09 3 4 - 3500

No. of Rows

X F 4 09 3 4 - 3500

Fin Series: Fins Per Inch. 3 = 3 FPI (118 fins/metre), 4 = 4 FPI (157 fins/metre)

X F 4 09 3 4 - 3500

Overall length over U bends (mm) - Max length 3658mm

Standard 1/2" Cross Fin Circuits (Horizontal)

H = Height; W = Width; C = Capacity (R134a, Watts/Metre/12ktd 4FPI [157 fins/metre])

AIR FLOW ---------->

XF40314(HORIZONTAL) H=27 W=95 TUBES: 3 C=49.56	XF40414(HORIZONTAL) H=27 W=127 TUBES: 4 C=66.0	XF40514(HORIZONTAL) H=27 W=159 TUBES: 5 C=82.8	XF40614(HORIZONTAL) H=27 W=190 TUBES: 6 C=99.24	XF40714(HORIZONTAL) H=27 W=222 TUBES: 7 C=115.8	XF40814(HORIZONTAL) H=27 W=254 TUBES: 8 C=132.24
XF40324(HORIZONTAL) H=55 W=95 TUBES: 6 C=93.96	XF40424(HORIZONTAL) H=55 W=127 TUBES: 8 C=125.28	XF40524(HORIZONTAL) H=55 W=159 TUBES: 10 C=156.6	XF40624(HORIZONTAL) H=55 W=190 TUBES: 12 C=187.68	XF40724(HORIZONTAL) H=55 W=222 TUBES: 14 C=219.12	XF40824(HORIZONTAL) H=55 W=254 TUBES: 16 C=250.44
XF40334(HORIZONTAL) H=82 W=95 TUBES: 9 C=130.56	XF40434(HORIZONTAL) H=82 W=127 TUBES: 12 C=174.12	XF40534(HORIZONTAL) H=82 W=159 TUBES: 15 C=217.68	XF40634(HORIZONTAL) H=82 W=190 TUBES: 18 C=261.12	XF40734(HORIZONTAL) H=82 W=222 TUBES: 21 C=304.68	XF40834(HORIZONTAL) H=82 W=254 TUBES: 24 C=348.24
XF40344(HORIZONTAL) H=110 W=95 TUBES: 12 C=159.24	XF40444(HORIZONTAL) H=110 W=127 TUBES: 16 C=212.64	XF40544(HORIZONTAL) H=110 W=159 TUBES: 20 C=265.68	XF40644(HORIZONTAL) H=110 W=190 TUBES: 24 C=318.84	XF40744(HORIZONTAL) H=110 W=222 TUBES: 28 C=371.88	XF40844(HORIZONTAL) H=110 W=254 TUBES: 32 C=425.16

Standard 1/2" Cross Fin Circuits (Vertical)

H = Height; W = Width; C = Capacity (R134a, Watts/Metre/12ktd 4FPI [157 fins/metre])

AIR FLOW ---------->

XF40814(VERTICAL) H=254 W=27 TUBES: 8 C=76.32	XF40824(VERTICAL) H=254 W=55 TUBES: 16 C=152.76	XF40834(VERTICAL) H=254 W=82 TUBES: 24 C=229.08	XF40844(VERTICAL) H=254 W=110 TUBES: 32 C=305.4	
XF40714(VERTICAL) H=222 W=27 TUBES: 7 C=68.64	XF40724(VERTICAL) H=222 W=55 TUBES: 14 C=137.16	XF40734(VERTICAL) H=222 W=82 TUBES: 21 C=205.8	XF40744(VERTICAL) H=222 W=110 TUBES: 28 C=274.32	
XF40614(VERTICAL) H=190 W=27 TUBES: 6 C=61.68	XF40624(VERTICAL) H=190 W=55 TUBES: 12 C=123.36	XF40634(VERTICAL) H=190 W=82 TUBES: 18 C=185.04	XF40644(VERTICAL) H=190 W=110 TUBES: 24 C=246.84	
XF40514(VERTICAL) H=159 W=27 TUBES: 5 C=54.6	XF40524(VERTICAL) H=159 W=55 TUBES: 10 C=109.32	XF40534(VERTICAL) H=159 W=82 TUBES: 15 C=163.92	XF40544(VERTICAL) H=159 W=110 TUBES: 20 C=218.64	
XF40414(VERTICAL) H=127 W=27 TUBES: 4 C=48.36	XF40424(VERTICAL) H=127 W=55 TUBES: 8 C=96.72	XF40434(VERTICAL) H=127 W=82 TUBES: 12 C=145.08	XF40444(VERTICAL) H=127 W=110 TUBES: 16 C=193.44	
XF40314(VERTICAL) H=95 W=27 TUBES: 3 C=39.36	XF40324(VERTICAL) H=95 W=55 TUBES: 6 C=78.6	XF40334(VERTICAL) H=95 W=82 TUBES: 9 C=117.96	XF40344(VERTICAL) H=95 W=110 TUBES: 12 C=157.32	

Standard 5/8" Cross Fin Circuits (Horizontal - 4FPI)

H = Height; W = Width; C = Capacity (R134a, Watts/Metre/12ktd 4FPI [157 fins/metre])

AIR FLOW ---------->

XF50314(HORIZONTAL) H=33 W=114 TUBES: 3 C=68.88	XF50414(HORIZONTAL) H=33 W=152 TUBES: 4 C=91.8	XF50514(HORIZONTAL) H=33 W=190 TUBES: 5 C=114.72	XF50614(HORIZONTAL) H=33 W=229 TUBES: 6 C=137.76	XF50714(HORIZONTAL) H=33 W=267 TUBES: 7 C=160.8	XF50814(HORIZONTAL) H=33 W=305 TUBES: 8 C=184.08
XF50324(HORIZONTAL) H=66 W=114 TUBES: 6 C=127.08	XF50424(HORIZONTAL) H=66 W=152 TUBES: 8 C=169.44	XF50524(HORIZONTAL) H=66 W=190 TUBES: 10 C=213.0	XF50624(HORIZONTAL) H=66 W=229 TUBES: 12 C=254.4	XF50724(HORIZONTAL) H=66 W=267 TUBES: 14 C=298.56	XF50824(HORIZONTAL) H=66 W=305 TUBES: 16 C=341.52
XF50334(HORIZONTAL) H=99 W=114 TUBES: 9 C=167.52	XF50434(HORIZONTAL) H=99 W=152 TUBES: 12 C=223.32	XF50534(HORIZONTAL) H=99 W=190 TUBES: 15 C=295.92	XF50634(HORIZONTAL) H=99 W=229 TUBES: 18 C=355.44	XF50734(HORIZONTAL) H=99 W=267 TUBES: 21 C=414.84	XF50834(HORIZONTAL) H=99 W=305 TUBES: 24 C=474.36
XF50344(HORIZONTAL) H=132 W=114 TUBES: 12 C=216.24	XF50444(HORIZONTAL) H=132 W=152 TUBES: 16 C=288.24	XF50544(HORIZONTAL) H=132 W=190 TUBES: 20 C=360.12	XF50644(HORIZONTAL) H=132 W=229 TUBES: 24 C=432.48	XF50744(HORIZONTAL) H=132 W=267 TUBES: 28 C=505.08	XF50844(HORIZONTAL) H=132 W=305 TUBES: 32 C=577.44

Standard 5/8” Cross Fin Circuits (Vertical - 4FPI)

H = Height; W = Width; C = Capacity (R134a, Watts/Metre/12ktd 4FPI [157 fins/metre])

AIR FLOW ---------->

XF50814(VERTICAL) H=305 W=33 TUBES: 8 C=103.68	XF50824(VERTICAL) H=305 W=66 TUBES: 16 C=209.52	XF50834(VERTICAL) H=305 W=99 TUBES: 24 C=311.16	XF50844(VERTICAL) H=305 W=132 TUBES: 32 C=414.84	
XF50714(VERTICAL) H=267 W=33 TUBES: 7 C=94.2	XF50724(VERTICAL) H=267 W=66 TUBES: 14 C=188.64	XF50734(VERTICAL) H=267 W=99 TUBES: 21 C=282.84	XF50744(VERTICAL) H=267 W=132 TUBES: 28 C=377.28	
XF50614(VERTICAL) H=229 W=33 TUBES: 6 C=83.88	XF50624(VERTICAL) H=229 W=66 TUBES: 12 C=167.76	XF50634(VERTICAL) H=229 W=99 TUBES: 18 C=251.52	XF50644(VERTICAL) H=229 W=132 TUBES: 24 C=335.4	
XF50514(VERTICAL) H=190 W=33 TUBES: 5 C=74.28	XF50524(VERTICAL) H=190 W=66 TUBES: 10 C=148.44	XF50534(VERTICAL) H=190 W=99 TUBES: 15 C=225.36	XF50544(VERTICAL) H=190 W=132 TUBES: 20 C=296.76	
XF50414(VERTICAL) H=152 W=33 TUBES: 4 C=65.64	XF50424(VERTICAL) H=152 W=66 TUBES: 8 C=131.16	XF50434(VERTICAL) H=152 W=99 TUBES: 12 C=185.52	XF50444(VERTICAL) H=152 W=132 TUBES: 16 C=262.32	
XF50314(VERTICAL) H=114 W=33 TUBES: 3 C=56.28	XF50324(VERTICAL) H=114 W=66 TUBES: 6 C=111.84	XF50334(VERTICAL) H=114 W=99 TUBES: 9 C=158.64	XF50344(VERTICAL) H=114 W=132 TUBES: 12 C=227.04	

Standard 5/8" Cross Fin Circuits (Horizontal - 3FPI)

H = Height; W = Width; C = Capacity (R134a, Watts/Metre/12ktd 3FPI [118 fins/metre])

AIR FLOW ---------->

XF50313(HORIZONTAL) H=33 W=114 TUBES: 3 C=61.44	XF50413(HORIZONTAL) H=33 W=152 TUBES: 4 C=81.84	XF50513(HORIZONTAL) H=33 W=190 TUBES: 5 C=102.36	XF50613(HORIZONTAL) H=33 W=229 TUBES: 6 C=122.88	XF50713(HORIZONTAL) H=33 W=267 TUBES: 7 C=143.4	XF50813(HORIZONTAL) H=33 W=305 TUBES: 8 C=164.04
XF50323(HORIZONTAL) H=66 W=114 TUBES: 6 C=114.0	XF50423(HORIZONTAL) H=66 W=152 TUBES: 8 C=152.04	XF50523(HORIZONTAL) H=66 W=190 TUBES: 10 C=189.96	XF50623(HORIZONTAL) H=66 W=229 TUBES: 12 C=228.12	XF50723(HORIZONTAL) H=66 W=267 TUBES: 14 C=266.28	XF50823(HORIZONTAL) H=66 W=305 TUBES: 16 C=304.32
XF50333(HORIZONTAL) H=99 W=114 TUBES: 9 C=157.68	XF50433(HORIZONTAL) H=99 W=152 TUBES: 12 C=210.36	XF50533(HORIZONTAL) H=99 W=190 TUBES: 15 C=263.04	XF50633(HORIZONTAL) H=99 W=229 TUBES: 18 C=315.84	XF50733(HORIZONTAL) H=99 W=267 TUBES: 21 C=368.64	XF50833(HORIZONTAL) H=99 W=305 TUBES: 24 C=421.32
XF50343(HORIZONTAL) H=132 W=114 TUBES: 12 C=192.6	XF50443(HORIZONTAL) H=132 W=152 TUBES: 16 C=256.8	XF50543(HORIZONTAL) H=132 W=190 TUBES: 20 C=321.12	XF50643(HORIZONTAL) H=132 W=229 TUBES: 24 C=385.68	XF50743(HORIZONTAL) H=132 W=267 TUBES: 28 C=450.0	XF50843(HORIZONTAL) H=132 W=305 TUBES: 32 C=514.56

Standard 5/8” Cross Fin Circuits (Vertical - 3FPI)

H = Height; W = Width; C = Capacity (R134a, Watts/Metre/12ktd 3FPI [118 fins/metre])

AIR FLOW ---------->

XF50313(VERTICAL) H=114 W=33 TUBES: 3 C=50.04	XF50413(VERTICAL) H=152 W=33 TUBES: 4 C=58.44	XF50513(VERTICAL) H=190 W=33 TUBES: 5 C=66.24	XF50613(VERTICAL) H=229 W=33 TUBES: 6 C=74.88	XF50713(VERTICAL) H=267 W=33 TUBES: 7 C=84.12	XF50813(VERTICAL) H=305 W=33 TUBES: 8 C=92.52
XF50323(VERTICAL) H=114 W=66 TUBES: 6 C=99.12	XF50423(VERTICAL) H=152 W=66 TUBES: 8 C=116.76	XF50523(VERTICAL) H=190 W=66 TUBES: 10 C=132.36	XF50623(VERTICAL) H=229 W=66 TUBES: 12 C=149.64	XF50723(VERTICAL) H=267 W=66 TUBES: 14 C=168.12	XF50823(VERTICAL) H=305 W=66 TUBES: 16 C=184.92
XF50333(VERTICAL) H=114 W=99 TUBES: 9 C=146.64	XF50433(VERTICAL) H=152 W=99 TUBES: 12 C=175.2	XF50533(VERTICAL) H=190 W=99 TUBES: 15 C=198.48	XF50633(VERTICAL) H=229 W=99 TUBES: 18 C=224.4	XF50733(VERTICAL) H=267 W=99 TUBES: 21 C=252.12	XF50833(VERTICAL) H=305 W=99 TUBES: 24 C=277.08
XF50343(VERTICAL) H=114 W=132 TUBES: 12 C=203.4	XF50443(VERTICAL) H=152 W=132 TUBES: 16 C=233.76	XF50543(VERTICAL) H=190 W=132 TUBES: 20 C=264.6	XF50643(VERTICAL) H=229 W=132 TUBES: 24 C=299.16	XF50743(VERTICAL) H=267 W=132 TUBES: 28 C=336.24	XF50843(VERTICAL) H=305 W=132 TUBES: 32 C=369.6

BITZER Australia Pty Limited
134 Dunheved Circuit,
St Marys, NSW 2760
Australia
tel +61 (2) 8801 9300
fax +61 (2) 9673 4698
info@bitzer.com.au

Victoria
tel +61 (3) 8326 8200
fax +61 (3) 9310 2520

Queensland
tel +61 (7) 3725 1360
fax +61 (7) 3274 3621

South Australia
tel +61 (8) 8345 6110
fax +61 (8) 8268 4555

Western Australia
tel +61 (8) 6350 6297
fax +61 (8) 9359 2077

BITZER New Zealand
BITZER Australia Pty Ltd
Unit 5, 5-7 Henry Rose Place,
Albany 0632
Auckland
New Zealand
tel +64 9 415 2030

www.bitzer.com.au

Certified System™
Quality
ISO 9001
SAI GLOBAL

Note: The ISO standard only applies to the BITZER NSW and VIC branches

08.2017