



STANDARD BRAZED PLATE

HEAT EXCHANGER

QUICK SELECTION GUIDE

CONTENTS:

Radiant Floor Heating - Boiler	page 2
Radiant Floor Heating - Water Heater	page 2
Domestic Hot Water	page 3
Snow Melt	page 3

RADIANT FLOOR HEATING - BOILER

Boiler side: 180°F -> 160°F
 Radiant floor side: 100°F -> 120°F

Model	BTU/hr	Boiler Side		Radiant Floor Side	
		Flow (GPM)	Pressure drop (psi)	Flow (GPM)	Pressure drop (psi)
BT3x8-10	50,000	5.2	5.9	5.0	4.2
BT3x8-16	60,000	6.2	8.4	6.1	5.8
BT3x8-20	75,000	7.7	3.2	7.5	3.0
BT3x8-20	100,000	10.3	5.2	10.1	4.8
BT3x8-20	125,000	12.9	7.8	12.6	6.7
BT3x8-26	150,000	15.5	5.3	15.2	5.0
BT3x8-30	175,000	18.0	7.0	17.7	6.5
BT3x8-30	200,000	20.6	5.8	20.2	5.6
BT4x12-20	225,000	23.2	7.4	22.7	6.9
BT4x12-20	250,000	25.8	3.5	25.2	3.2
BT4x12-20	275,000	28.3	4.0	27.8	3.6
BT4x12-30	300,000	30.9	4.9	30.3	4.5
BT4x12-30	350,000	36.1	6.3	35.3	5.5
BT4x12-40	400,000	41.7	5.5	40.4	5.2
BT4x12-40	450,000	46.4	6.4	45.4	6.0
BT5x12-50	500,000	51.5	7.3	50.5	7.2
BT5X12-60	675,000	69.5	8.3	68.5	7.9
BT5X12-70	825,000	84.5	8.9	83.8	8.6

Larger Models Available

RADIANT FLOOR HEATING - HOT WATER HEATER

Hot water heater side: 140°F -> 120°F
 Radiant floor side: 80°F -> 100°F

Model	BTU/hr	Hot Water Heater		Radiant Floor Side	
		Flow (GPM)	Pressure drop (psi)	Flow (GPM)	Pressure drop (psi)
BT3x8-10	25,000	2.5	1.0	2.5	0.6
BT3x8-10	50,000	5.0	3.8	5.0	2.5
BT3x8-16	75,000	7.6	4.0	7.6	3.0
BT3x8-16	100,000	10.0	3.4	10.0	3.0
BT3x8-20	125,000	12.6	4.8	12.6	4.6
BT3X8-26	150,000	15.2	5.6	15.2	5.0
BT4X12-20	200,000	20.2	3.2	20.0	3.0
BT4X12-30	250,000	25.4	3.8	25.2	3.6
BT4X12-30	300,000	30.9	4.5	30.7	4.2
BT4X12-40	350,000	36.4	5.9	36.2	5.6
BT4X12-40	400,000	40.7	6.2	40.3	5.9
BT4X12-50	500,000	50.8	7.4	50.3	7.1

Larger Models Available

DOMESTIC HOT WATER

Hot water heater side: 200°F -> 140°F

Domestic water side: 50°F -> 140°F

Model	BTU/hr	Boiler Side		Domestic Hot Water	
		Flow (GPM)	Pressure drop (psi)	Flow (GPM)	Pressure drop (psi)
BT3x8-10	25,000	1.2	0.5	0.6	0.1
BT3x8-16	50,000	2.2	1.2	1.1	0.2
BT3x8-16	75,000	3.5	1.4	1.7	0.4
BT3x8-20	100,000	4.5	1.9	2.2	0.8
BT3x8-20	125,000	5.7	2.1	2.8	0.9
BT3x8-20	150,000	6.3	2.4	3.3	0.9
BT3x8-30	200,000	8.3	2.4	4.4	0.8
BT4x12-20	250,000	10.2	2.7	5.6	0.9
BT4x12-20	300,000	12.3	3.9	6.7	1.2
BT4x12-20	350,000	14.4	4.2	7.8	1.4
BT4x12-30	400,000	16.4	4.7	8.9	1.5
BT4x12-30	500,000	20.5	7.4	11.1	2.1
BT4x12-40	600,000	24.7	6.5	13.3	2.1
BT4x12-40	700,000	28.8	7.8	15.6	2.7
BT4x12-50	800,000	33.1	7.0	17.9	2.5
BT5x12-50	900,000	37.2	8.6	20.1	3.1
BT5x12-70	1,000,000	41.4	9.5	22.3	2.3

Larger Models Available

SNOW MELT APPLICATIONS

Boiler side: 180°F -> 150°F

Snow melt side: 100°F -> 130°F - 40% Propylene Glycol

Model	BTU/hr	Boiler Side		Snow Melt Side	
		Flow (GPM)	Pressure drop (psi)	Flow (GPM)	Pressure drop (psi)
BT3x8-16	50,000	4.6	4.7	4.4	4.8
BT3x8-20	75,000	5.2	4.7	5.4	3.8
BT3x8-20	100,000	6.9	4.9	7.0	3.7
BT3x8-20	125,000	8.3	4.9	8.9	4.2
BT3x8-30	150,000	9.9	4.9	10.5	3.4
BT3x8-40	200,000	13.7	5.0	14.3	3.9
BT3X8-40	225,000	15.3	5.0	16.1	4.6
BT4X12-20	250,000	17.1	4.3	17.8	4.9
BT4X12-30	300,000	19.6	5.1	20.7	5.8
BT4X12-40	400,000	26.9	5.3	28.0	6.1
BT5X12-50	500,000	32.8	5.8	35.7	6.5
BT5X12-60	600,000	40.9	6.2	43.3	8.5
BT5X12-70	700,000	47.0	6.8	49.2	9.2

Larger Models Available



Heat Exchanger Sizing and Quote Form

To find out which model of heat exchanger will suit your requirements best, please provide design parameters of your application.

Contact Information

Name*: _____ Company: _____

e-mail*: _____ Address: _____

Phone/Fax*: _____ City: _____

Position: _____ State: _____ Zip Code: _____

Project Reference/P.O.: _____

Quantity*: _____ Delivery required by: _____

Brief project description: _____

Side A

Side B

	Side A	Side B
Fluid Type*:	_____	_____
Entering Fluid Temperature* (°C or °F):	_____	_____
Leaving Fluid Temperature* (°C or °F):	_____	_____
Flow Rate*:	_____	_____
Allowable Pressure Drop:	_____	_____
Design Pressure:	_____	_____
Load (capacity):	_____	_____
Density @ Temp.:	_____	_____
Thermal Conductivity:	_____	_____
Specific Heat:	_____	_____
Viscosity:	_____	_____
Phase Change:	_____	_____
Optional Data (if known):	_____	_____

* Denotes required fields

Fax completed form to 718-874-0198