



PLATE CONCEPTS, INC.

Plate & Frame Heat Exchangers

Brazed Plate Heat Exchangers Residential & Commercial Applications

SNOWMELT

30% Glycol Solution heated from 100°F to 130°F using Boiler Water @ 180°F

BRAZED DATA		GLYCOL		BOILER	
Model	Heat Capacity	Flow (max.)	Pressure Loss	Flow (max.)	Pressure Loss
<i>Units:</i>	<i>Btu/hr</i>	<i>GPM</i>	<i>psi</i>	<i>GPM</i>	<i>psi</i>
MBC37-2-14	139,400	10	5.0	10	3.7
MBC37-2-40	418,300	30	4.8	30	4.5
MBC75-3-32L	557,700	40	1.8	40	1.7
MBC75-3-32L	697,100	50	2.9	50	2.7
MBC75-3-40L	836,600	60	3.2	60	3.1
MBC75-3-60L	1,115,400	80	4.0	80	3.9
MBC150-3-20L	1,400,000	100	6.8	100	5.7

DOMESTIC HOT WATER

Hot Water heated from 40°F to 140°F using Boiler Water @ 180°F

BRAZED DATA		DOMESTIC WATER		BOILER	
Model	Heat Capacity	Flow (max.)	Pressure Loss	Flow (max.)	Pressure Loss
<i>Units</i>	<i>Btu/hr</i>	<i>GPM</i>	<i>psi</i>	<i>GPM</i>	<i>psi</i>
MBC25-18	150,000	3	2.4	7	8.0
MBC37-2-14	348,600	5	1.0	13	6.0
MBC37-2-40	496,300	10	0.5	34	6.0
MBC37-2-48	745,000	15	0.7	51	8.6
MBC37-3-80	992,600	20	0.5	68	6.8

RADIANT HEATING

Hot Water Loop heated from 140°F to 160°F using Boiler Water @ 180°F

BRAZED DATA		LOOP WATER		BOILER	
Model	Heat Capacity	Flow (max.)	Pressure Loss	Flow (max.)	Pressure Loss
<i>Units</i>	<i>Btu/hr</i>	<i>GPM</i>	<i>psi</i>	<i>GPM</i>	<i>psi</i>
MBC25-18	49,100	5	3.0	5	3.7
MBC37-2-14	98,200	10	3.3	10	4.5
MBC37-2-48	294,400	30	2.8	30	3.0
MBC37-2-60	392,500	40	3.4	40	3.6
MBC37-3-80	588,800	60	5.0	60	5.2
MBC75-3-90M	785,000	80	4.3	80	4.4
MBC150-3-48	981,300	100	7.5	67	3.8