



## BROAD OUTDOOR PACKAGE CHILLER PERFORMANCE DATA

Every outdoor package chiller must be tested 48 hours and be 100% qualified before shipment. There are 12 outdoor package chiller testing beds and an environment chamber(can simulate standard summer climate in every season) in BROAD.

### BZY PERFORMANCE DATA

Model	BZY	233F	582F
cooling capacity	kW	233	582
heating capacity	kW	179	449
HTG enlarged heating capacity	kW	233	582
chilled W. outlet/inlet temp.	°C	7/14	7/14
heating W. outlet/inlet temp.	°C	65/57	65/57
hot water outlet/inlet temp.	°C	80/60	80/60
cooling heating water flowrate	m <sup>3</sup> /h	28.6	71.5
hot water flowrate	m <sup>3</sup> /h	9.6	24.1
max. fuel consumption			
oil (cooling )	kg/h	14.2	35.6
gas (cooling )	10 <sup>4</sup> kcal/h	14.8	37.0
oil ( heating )	kg/h	16.0	40.1
gas ( heating )	10 <sup>4</sup> kcal/h	16.6	41.7
max. power consumption	kW	14.0	28.6
max. water consumption	t/h	0.6	1.5
operation weight	t	8.0	15
unit ship. wt. (with LiBr solution)	t	6.9	/
chiller ship. wt. (with LiBr solution)	t	5.7	9.9
cooling tower ship. wt.	t	1.2	2.7
operation weight	t	8.0	17.0

### BSY Performance Data

Model	BSY	233	582
cooling capacity	kW	233	582
chilled W. outlet/inlet temp.	°C	7/14	7/14
chilled W. flowrate	m <sup>3</sup> /h	28.6	71.5
consumption	kg/h	252	630
max. power consumption	kW	13.5	28.1
max. water consumption	t/h	0.6	1.5
chiller ship. wt.(with LiBr solution)	t	4.5	7.9
cooling tower ship. wt.	t	1.2	2.7
unit ship.wt.(with LiBr solution)	t	5.7	/
operation weight	t	6.8	13.1

### BHY Performance Data

Model	BHY	233	582
cooling capacity	kW	233	582
chilled W. outlet/inlet temp.	°C	7/14	7/14
chilled W. flowrate	m <sup>3</sup> /h	28.6	71.5
heat source W. flowrate	m <sup>3</sup> /h	10.2	25.5
max. power consumption	kW	13.5	28.1
max. water consumption	t/h	0.6	1.5
chiller ship. wt.(with LiBr solution)	t	5.1	8.7
cooling tower ship. wt.	t	1.2	2.7
unit ship.wt.(with LiBr solution)	t	6.3	/
operation weight	t	7.4	13.9

### BEY Performance Data

Model	BEY	233	582
cooling capacity	kW	233	582
heating capacity	kW	179	449
chilled W. outlet/inlet temp.	°C	7/14	7/14
chilled W. flowrate	m <sup>3</sup> /h	28.6	71.5
exhaust consumption	kg/h	1484	3707
max. power consumption	kW	13.5	28.1
max. water consumption	t/h	0.6	1.5
chiller ship.wt.(with LiBr solution)	t	5.8	10.4
cooling tower ship. wt.	t	1.2	2.7
unit ship.wt.(with LiBr solution)	t	7.0	/
operation weight	t	7.9	15.6

### BZEY、BZHEY Performance Data

Model	BZEY BZHEY	233	582
cooling capacity	kW	233	582
heating capacity	kW	179	449
chilled W. outlet/inlet temp.	°C	7/14	7/14
heating W. outlet/inlet temp.	°C	65/57	65/57
hot water outlet/inlet temp.	°C	80/60	80/60
chilled water flowrate	m <sup>3</sup> /h	28.6	71.5
heating water flowrate	m <sup>3</sup> /h	19.2	48.3
hot water flowrate	m <sup>3</sup> /h	7.7	19.3
only direct-fired fuel consumption			
oil (cooling )	kg/h	14.3	35.6
gas (cooling )	10 <sup>4</sup> kcal/h	14.8	37.1
oil ( heating )	kg/h	16.0	40.1
gas ( heating )	10 <sup>4</sup> kcal/h	16.6	41.7
max. power consumption	kW	14.0	28.6
max. water consumption	t/h	0.6	1.5
operation weight	t	8.6	16.5
unit ship.wt.	t	7.5	/
chiller ship.wt.	t	6.3	11
cooling tower ship.wt.	t	1.2	2.7

#### General Conditions:

1. Lowest permitted outlet temp. for chilled water:5°C
2. Highest permitted outlet temp. for heating/hot water:  
95 °C (antifreeze),85 °C (non-antifreeze)
3. Adjustable load: 5% ~ 105%