

# BlockICE PLANT DUTY & POWER DETAILS



Type 1	Charge (hours)	Chiller (kW)	Power Consumption Study (kW)					TOTAL (kW)	FLA (Amps)
			Chiller	Crane	Thawing	Pump	Others		
5	12	46	31.0	3.2	6.5	1.6	1.5	44	78
7.5	12	70	46.5	5.0	10.1	2.4	2.5	66	119
10	12	93	62.0	6.5	12.9	3.2	3.5	88	158
15	12	139	93.0	3.1	6.2	4.8	4.5	112	200
20	12	186	123.9	4.1	8.1	6.4	5.5	148	265
25	12	232	154.9	5.0	10.0	8.0	6.5	184	330
30	12	279	185.9	6.0	11.9	9.6	7.5	221	395
40	12	372	247.9	7.9	15.7	12.8	8.5	293	524
50	12	465	309.9	9.8	19.5	16.0	9.5	365	653
100	12	930	619.7	19.3	38.5	32.1	10.5	720	1289

  

Type 2	Charge (hours)	Chiller (kW)	Power Consumption Study (kW)					TOTAL (kW)	FLA (Amps)
			Chiller	Crane	Thawing	Pump	Others		
5	24	23	15.5	3.2	6.5	0.8	1.5	27	49
7.5	24	35	23.2	5.0	10.1	1.2	2.5	42	75
10	24	46	31.0	6.5	12.9	1.6	3.5	55	99
15	24	70	46.5	3.1	6.2	2.4	4.5	63	112
20	24	93	62.0	4.1	8.1	3.2	5.5	83	148
25	24	116	77.5	5.0	10.0	4.0	6.5	103	184
30	24	139	93.0	6.0	11.9	4.8	7.5	123	220
40	24	186	123.9	7.9	15.7	6.4	8.5	162	291
50	24	232	154.9	9.8	19.5	8.0	9.5	202	361
100	24	465	309.9	19.3	38.5	16.0	10.5	394	705

  

Type 3	Charge (hours)	Chiller (kW)	Power Consumption Study (kW)					TOTAL (kW)	FLA (Amps)
			Chiller	Crane	Thawing	Pump	Others		
5	24	23	15.5	3.4	6.8	0.8	1.5	28	50
7.5	24	35	23.2	5.3	10.6	1.2	2.5	43	77
10	24	46	31.0	6.8	13.7	1.6	3.5	57	101
15	24	70	46.5	3.3	6.6	2.4	4.5	63	113
20	24	93	62.0	4.3	8.6	3.2	5.5	84	150
25	24	116	77.5	5.3	10.7	4.0	6.5	104	186
30	24	139	93.0	6.3	12.7	4.8	7.5	124	222
40	24	186	123.9	8.4	16.7	6.4	8.5	164	293
50	24	232	154.9	10.4	20.8	8.0	9.5	204	364
100	24	465	309.9	20.6	41.1	16.0	10.5	398	712

  

Type 4	Charge (hours)	Chiller (kW)	Power Consumption Study (kW)					TOTAL (kW)	FLA (Amps)
			Chiller	Crane	Thawing	Pump	Others		
5	24	23	15.5	4.1	8.2	0.8	1.5	30	54
7.5	24	35	23.2	6.2	12.5	1.2	2.5	46	82
10	24	46	31.0	8.2	16.5	1.6	3.5	61	109
15	24	70	46.5	12.2	24.5	2.4	4.5	90	161
20	24	93	62.0	16.2	32.4	3.2	5.5	119	214
25	24	116	77.5	20.2	40.4	4.0	6.5	149	266
30	24	139	93.0	24.2	48.4	4.8	7.5	178	318
40	24	186	123.9	32.2	64.4	6.4	8.5	235	421
50	24	232	154.9	40.2	80.4	8.0	9.5	293	524
100	24	465	309.9	80.1	160.2	16.0	10.5	577	1032