



ADSORPTION CHILLER

EQUIPMENT SPECIFICATION SCHEDULE

Model: ADCM3-035			Scenario A		Scenario B	
			Economy	Standard	Economy	Standard
Cooling Capacity		kW	118.3	97.4	125.2	79.9
		US RT	33.6	27.7	35.6	22.7
		COP	0.57	0.66	0.56	0.62
Chilled Water	Inlet Temp	°C	11.70	11.70	11.70	6.00
	Outlet Temp	°C	6.72	6.72	6.72	3.00
	Chilled water ΔT	°C	4.98	4.98	4.98	3.00
	Flow rate	m ³ /min	0.340	0.280	0.360	0.380
	ΔP	kPa	69	69	69	69
Cooling Water	Inlet Temp	°C	29.40	29.40	25.00	29.40
	Outlet Temp	°C	37.60	35.61	33.81	34.68
	Cooling water ΔT	°C	8.20	6.21	8.81	5.28
	Flow rate	m ³ /min	0.582	0.575	0.578	0.576
	Heat Rejected	KW	327	245	350	209
	ΔP	kPa	99	99	99	99
Hot Water	Inlet Temp	°C	90.00	90.00	90.00	90.00
	Outlet Temp	°C	80.12	82.98	79.36	83.88
	Hot water ΔT	°C	9.88	7.02	10.64	6.12
	Flow rate	m ³ /min	0.330	0.330	0.330	0.330
	Heat Required	KW	208.58	147.85	224.83	128.81
	ΔP	kPa	79	79	79	79
Electrical Supply		V	208-220	208-220	208-220	208-220
		HZ	50/60	50/60	50/60	50/60
		KVA	0.50	0.50	0.50	0.50
		KW	0.20	0.20	0.20	0.20
Air Supply	Pressure	kPa _g	492	492	492	492
	Consumption	L/min	9.60	9.60	9.60	9.60
		CFM	0.34	0.34	0.34	0.34
Weight	Empty	kg	5,000	5,000	5,000	5,000
	Running	kg	5,500	5,500	5,500	5,500
Dimensions	W	mm	1,800	1,800	1,800	1,800
	H	mm	2,385	2,385	2,385	2,385
	L	mm	2,575	2,575	2,575	2,575
			Other scenarios are possible, and are dependent on the conditions of the available hot water & cooling water. Please provide your actual conditions for your process specific chiller performance to be computed.			

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EQUIPMENT SPECIFICATION SCHEDULE

Model: ADCM3-085			Scenario A		Scenario B	
			Economy	Standard	Economy	Standard
Cooling Capacity		kW	299.6	251.3	323.0	206.5
		US RT	85.2	71.5	91.9	58.7
		COP	0.62	0.73	0.62	0.69
Chilled Water	Inlet Temp	°C	11.70	11.70	11.70	6.00
	Outlet Temp	°C	6.72	6.72	6.72	3.00
	Chilled water ΔT	°C	4.98	4.98	4.98	3.00
	Flow rate	m ³ /min	0.861	0.722	0.928	0.982
	ΔP	kPa	69	69	69	69
Cooling Water	Inlet Temp	°C	29.40	29.40	25.00	29.40
	Outlet Temp	°C	37.60	35.61	33.81	34.68
	Cooling water ΔT	°C	8.20	6.21	8.81	5.28
	Flow rate	m ³ /min	1.400	1.400	1.400	1.400
	Heat Rejected	KW	786	596	848	507
	ΔP	kPa	99	99	99	99
Hot Water	Inlet Temp	°C	90.00	90.00	90.00	90.00
	Outlet Temp	°C	80.12	82.98	79.36	83.88
	Hot water ΔT	°C	9.88	7.02	10.64	6.12
	Flow rate	m ³ /min	0.770	0.770	0.770	0.770
	Heat Required	KW	486.68	344.98	524.60	300.56
	ΔP	kPa	79	79	79	79
Electrical Supply		V	208-220	208-220	208-220	208-220
		HZ	50/60	50/60	50/60	50/60
		KVA	0.50	0.50	0.50	0.50
		KW	0.20	0.20	0.20	0.20
Air Supply	Pressure	kPa _g	492	492	492	492
	Consumption	L/min	9.60	9.60	9.60	9.60
		CFM	0.34	0.34	0.34	0.34
Weight	Empty	kg	7,500	7,500	7,500	7,500
	Running	kg	8,500	8,500	8,500	8,500
Dimensions	W	mm	2,010	2,010	2,010	2,010
	H	mm	2,620	2,620	2,620	2,620
	L	mm	3,410	3,410	3,410	3,410
			Other scenarios are possible, and are dependent on the conditions of the available hot water & cooling water. Please provide your actual conditions for your process specific chiller performance to be computed.			

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EQUIPMENT SPECIFICATION SCHEDULE

Model: ADCM3-125			Scenario A		Scenario B	
			Economy	Standard	Economy	Standard
Cooling Capacity		kW	427.99	359.0	461.4	294.9
		US RT	121.7	102.1	131.2	83.9
		COP	0.62	0.73	0.62	0.69
Chilled Water	Inlet Temp	°C	11.70	11.70	11.70	6.00
	Outlet Temp	°C	6.72	6.72	6.72	3.00
	Chilled water ΔT	°C	4.98	4.98	4.98	3.00
	Flow rate	m ³ /min	1.230	1.032	1.326	1.402
	ΔP	kPa	69	69	69	69
Cooling Water	Inlet Temp	°C	29.40	29.40	25.00	29.40
	Outlet Temp	°C	37.60	35.61	33.81	34.68
	Cooling water ΔT	°C	8.20	6.21	8.81	5.28
	Flow rate	m ³ /min	2.000	2.000	2.000	2.000
	Heat Rejected	KW	1123	852	1211	724
	ΔP	kPa	99	99	99	99
Hot Water	Inlet Temp	°C	90.00	90.00	90.00	90.00
	Outlet Temp	°C	80.13	82.98	79.36	83.88
	Hot water ΔT	°C	9.88	7.02	10.64	6.12
	Flow rate	m ³ /min	1.100	1.100	1.100	1.100
	Heat Required	KW	695.18	492.83	749.43	429.45
	ΔP	kPa	79	79	79	79
Electrical Supply		V	208-220	208-220	208-220	208-220
		HZ	50/60	50/60	50/60	50/60
		KVA	0.50	0.50	0.50	0.50
		KW	0.20	0.20	0.20	0.20
Air Supply	Pressure	kPa _g	492	492	492	492
	Consumption	L/min	9.60	9.60	9.60	9.60
		CFM	0.34	0.34	0.34	0.34
Weight	Empty	kg	9,200	9,200	9,200	9,200
	Running	kg	10,400	10,400	10,400	10,400
Dimensions	W	mm	1,955	1,955	1,955	1,955
	H	mm	2,910	2,910	2,910	2,910
	L	mm	3,440	3,440	3,440	3,440
			Other scenarios are possible, and are dependent on the conditions of the available hot water & cooling water. Please provide your actual conditions for your process specific chiller performance to be computed.			

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EQUIPMENT SPECIFICATION SCHEDULE

Model: ADCM3-200			Scenario A		Scenario B	
			Economy	Standard	Economy	Standard
Cooling Capacity		kW	685.27	574.0	737.4	471.1
		US RT	194.9	163.2	209.7	134.0
		COP	0.62	0.73	0.62	0.69
Chilled Water	Inlet Temp	°C	11.70	11.70	11.70	6.00
	Outlet Temp	°C	6.72	6.72	6.72	3.00
	Chilled water ΔT	°C	4.98	4.98	4.98	3.00
	Flow rate	m ³ /min	1.970	1.650	2.120	2.240
	ΔP	kPa	69	69	69	69
Cooling Water	Inlet Temp	°C	29.40	29.40	25.00	29.40
	Outlet Temp	°C	37.60	35.61	33.80	34.68
	Cooling water ΔT	°C	8.20	6.21	8.80	5.28
	Flow rate	m ³ /min	3.200	3.200	3.200	3.200
	Heat Rejected	KW	1798	1362	1937	1158
	ΔP	kPa	99	99	99	99
Hot Water	Inlet Temp	°C	90.00	90.00	90.00	90.00
	Outlet Temp	°C	80.13	82.98	79.36	83.88
	Hot water ΔT	°C	9.88	7.02	10.64	6.12
	Flow rate	m ³ /min	1.760	1.760	1.760	1.760
	Heat Required	KW	1112.29	788.52	1199.09	687.12
	ΔP	kPa	79	79	79	79
Electrical Supply		V	208-220	208-220	208-220	208-220
		HZ	50/60	50/60	50/60	50/60
		KVA	0.50	0.50	0.50	0.50
		KW	0.20	0.20	0.20	0.20
Air Supply	Pressure	kPa _g	492	492	492	492
	Consumption	L/min	9.60	9.60	9.60	9.60
		CFM	0.34	0.34	0.34	0.34
Weight	Empty	kg	12,100	12,100	12,100	12,100
	Running	kg	13,700	13,700	13,700	13,700
Dimensions	W	mm	2,275	2,275	2,275	2,275
	H	mm	2,863	2,863	2,863	2,863
	L	mm	4,120	4,120	4,120	4,120

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EQUIPMENT SPECIFICATION SCHEDULE

Model: ADCM3-250			Scenario A		Scenario B	
			Economy	Standard	Economy	Standard
Cooling Capacity		kW	855.71	716.6	921.8	588.9
		US RT	243.4	203.8	262.2	167.5
		COP	0.62	0.73	0.62	0.69
Chilled Water	Inlet Temp	°C	11.70	11.70	11.70	6.00
	Outlet Temp	°C	6.72	6.72	6.72	3.00
	Chilled water ΔT	°C	4.98	4.98	4.98	3.00
	Flow rate	m ³ /min	2.460	2.060	2.650	2.800
	ΔP	kPa	69	69	69	69
Cooling Water	Inlet Temp	°C	29.40	29.40	25.00	29.40
	Outlet Temp	°C	37.60	35.61	33.80	34.68
	Cooling water ΔT	°C	8.20	6.21	8.80	5.28
	Flow rate	m ³ /min	4.000	4.000	4.000	4.000
	Heat Rejected	KW	2246	1702	2421	1448
	ΔP	kPa	99	99	99	99
Hot Water	Inlet Temp	°C	90.00	90.00	90.00	90.00
	Outlet Temp	°C	80.13	82.98	79.36	83.88
	Hot water ΔT	°C	9.88	7.02	10.64	6.12
	Flow rate	m ³ /min	2.200	2.200	2.200	2.200
	Heat Required	KW	1390.36	985.65	1498.86	858.90
	ΔP	kPa	79	79	79	79
Electrical Supply		V	208-220	208-220	208-220	208-220
		HZ	50/60	50/60	50/60	50/60
		KVA	0.50	0.50	0.50	0.50
		KW	0.40	0.40	0.40	0.40
Air Supply	Pressure	kPa _g	492	492	492	492
	Consumption	L/min	9.60	9.60	9.60	9.60
		CFM	0.34	0.34	0.34	0.34
Weight	Empty	kg	15,000	15,000	15,000	15,000
	Running	kg	16,400	16,400	16,400	16,400
Dimensions	W	mm	2,305	2,305	2,305	2,305
	H	mm	2,863	2,863	2,863	2,863
	L	mm	4,817	4,817	4,817	4,817

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EQUIPMENT SPECIFICATION SCHEDULE

Model: ADCM3-500			Scenario A		Scenario B	
			Economy	Standard	Economy	Standard
Cooling Capacity		kW	1711.4	1436.6	1847.1	1179.9
		US RT	486.8	408.6	525.3	335.6
		COP	0.62	0.73	0.62	0.69
Chilled Water	Inlet Temp	°C	11.70	11.70	11.70	6.00
	Outlet Temp	°C	6.72	6.72	6.72	3.00
	Chilled water ΔT	°C	4.98	4.98	4.98	3.00
	Flow rate	m ³ /min	4.920	4.130	5.310	5.610
	ΔP	kPa	69	69	69	69
Cooling Water	Inlet Temp	°C	29.40	29.40	25.00	29.40
	Outlet Temp	°C	37.60	35.61	33.81	34.68
	Cooling water ΔT	°C	8.20	6.21	8.81	5.28
	Flow rate	m ³ /min	8.000	8.000	8.000	8.000
	Heat Rejected	KW	4494	3407	4847	2898
	ΔP	kPa	99	99	99	99
Hot Water	Inlet Temp	°C	90.00	90.00	90.00	90.00
	Outlet Temp	°C	80.12	82.99	79.36	83.88
	Hot water ΔT	°C	9.88	7.02	10.65	6.12
	Flow rate	m ³ /min	4.400	4.400	4.400	4.400
	Heat Required	KW	2782.14	1970.77	2999.42	1718.06
	ΔP	kPa	79	79	79	79
Electrical Supply		V	208-220	208-220	208-220	208-220
		HZ	50/60	50/60	50/60	50/60
		KVA	0.50	0.50	0.50	0.50
		KW	0.40	0.40	0.40	0.40
Air Supply	Pressure	kPa _g	492	492	492	492
	Consumption	L/min	9.60	9.60	9.60	9.60
		CFM	0.34	0.34	0.34	0.34
Weight	Empty	kg	22,500	22,500	22,500	22,500
	Running	kg	24,600	24,600	24,600	24,600
Dimensions	W	mm	3,305	3,305	3,305	3,305
	H	mm	2,863	2,863	2,863	2,863
	L	mm	5,817	5,817	5,817	5,817
			Other scenarios are possible, and are dependent on the conditions of the available hot water & cooling water. Please provide your actual conditions for your process specific chiller performance to be computed.			

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