

AIR CONDITIONING DESIGN DATA

DESIGN AREA	SUMMER						WINTER					
	OUTSIDE			INSIDE			OUTSIDE			INSIDE		
	DB	WB	DB	% HUMIDITY	DB	% HUMIDITY	DB	WB	DB	% HUMIDITY	DB	% HUMIDITY
SURGERY	95	82	80	55	70	50	10	75	50	50	50	50
ELECTRIC ELEVATOR MACHINE ROOMS	91	77	100	50	10	65	10	65	50	50	50	50
HYDRAULIC ELEVATOR MACHINE ROOMS	91	77	95	50	10	65	10	65	50	50	50	50
LABORATORIES	91	77	78	50	10	70	10	70	50	50	50	50
KITCHENS	93	78	82	60	10	70	10	70	50	50	50	50
LAUNDRY	93	78	82	60	10	70	10	70	50	50	50	50
OTHER ROOMS	91	77	78	50	10	72	10	72	50	50	50	50

AIR CONDITIONING UNITS (SYSTEMS)

UNIT NO.	LOCATION	AREA SERVED	SUPPLY FAN NO.	CFM		FACTORY (INTERNAL OR FIELD INSULATION FABRICATED (YES OR NO))	TYPE OF SYSTEM
				SUPPLY	O.A.		
500-AC 1	1-A-1	LEVEL 1, AREA I	500-SF 1	15,560	2,790	FACTORY	YES
500-AC 2	2-A-1	LEVEL 2, AREA I	500-SF 2	12,310	3,595	FACTORY	YES
500-AC 3	3-A-1	LEVEL 3, AREA I	500-SF 3	12,310	3,595	FACTORY	YES
500-AC 4	1-B-1	LEVEL 1, AREA E	500-SF 4	16,130	2,770	FACTORY	YES
500-AC 5	2-B-1	LEVEL 2, AREA E	500-SF 5	12,310	3,020	FACTORY	YES
500-AC 6	1-C-1	LEVEL 1, AREA C	500-SF 6	9,770	1,465	FACTORY	YES
500-AC 7	1-D-1	LEVEL 1, AREA D	500-SF 7	17,960	3,215	FACTORY	YES
500-AC 8	1-E-1	LEVEL 1, AREA F	500-SF 8	16,450	5,650	FACTORY	YES
500-AC 9	1-F-1	LEVEL 1, AREA G	500-SF 9	22,920	6,610	FACTORY	YES
500-AC 10	2-F-1	LEVEL 2, AREA F	500-SF 10	6,650	1,055	FACTORY	YES
500-AC 11	0-E-1	LEVEL 1, AREA H	500-SF 11	22,440	3,525	FACTORY	YES
500-AC 12	1-G-1	LEVEL 1, AREA J	500-SF 12	22,180	9,265	FACTORY	YES
500-AC 13	2-G-1	LEVEL 2, AREA J	500-SF 13	8,640	8,640	FACTORY	YES
500-AC 14	3-G-1	LEVEL 3, AREA E	500-SF 14	19,110	3,150	FACTORY	YES
500-AC 15	4-G-1	LEVEL 4, AREA A,B	500-SF 15	18,625	4,525	FACTORY	YES
500-AC 16	5-G-1	LEVEL 5, AREA A,B	500-SF 16	22,190	5,470	FACTORY	YES
500-AC 17	NOT USED	---	---	---	---	---	---
500-AC 18	1-H-1	LEVEL 1, AREA K	500-SF 18	13,930	2,690	FACTORY	YES
500-AC 19	2-H-1	LEVEL 2, AREA J,K	500-SF 19	15,300	3,305	FACTORY	YES
500-AC 20	3-H-1	LEVEL 3, AREA F	500-SF 20	30,470	30,470	FACTORY	YES
500-AC 21	0-I-1	LEVEL 1, AREA L	500-SF 21	16,465	2,465	FACTORY	YES
500-AC 22	1-J-1	LEVEL 1, AREA L	500-SF 22	21,660	11,810	FACTORY	YES
500-AC 23	2-J-1	LEVEL 2, AREA K,L	500-SF 23	16,646	2,065	FACTORY	YES
500-AC 24	3-J-1	LEVEL 3, AREA G	500-SF 24	29,670	29,670	FACTORY	YES
500-AC 25	4-J-1	LEVEL 4, AREA B,C	500-SF 25	17,270	4,035	FACTORY	YES
500-AC 26	5-J-1	LEVEL 5, AREA B,C	500-SF 26	21,900	4,975	FACTORY	YES
500-AC 27	0-K-1	LEVEL 1, AREA M	500-SF 27	27,810	27,810	FACTORY	YES
500-AC 28	0-L-1	LEVEL 1, AREA N	500-SF 28	22,160	3,030	FACTORY	YES
500-AC 29	NOT USED	---	---	---	---	---	---
500-AC 30	1-L-1	LEVEL 1, AREA M	500-SF 30	17,375	3,050	FACTORY	YES
500-AC 31	2-L-1	LEVEL 2, AREA M	500-SF 31	7,080	1,145	FACTORY	YES
500-AC 32	0-M-1	LEVEL 1, AREA O	500-SF 32	11,860	2,790	FACTORY	YES
500-AC 33	1-M-1	LEVEL 1, AREA R	500-SF 33	16,465	2,635	FACTORY	YES
500-AC 34	1-N-1	LEVEL 1, AREA Q,S	500-SF 34	17,150	3,345	FACTORY	YES
500-AC 35	0-P-1	LEVEL 1, AREA T	500-SF 35	39,104	39,104	FACTORY	YES
500-AC 36	1-P-1	LEVEL 1, AREA O	500-SF 36	10,165	2,275	FACTORY	YES
500-AC 37	2-P-1	LEVEL 2, AREA N,O	500-SF 37	25,860	25,860	FACTORY	YES
500-AC 38	0-Q-1	LEVEL 1, AREA U	500-SF 38	20,130	20,130	FACTORY	YES
500-AC 39	1-Q-1	LEVEL 1, AREA U	500-SF 39	18,840	7,065	FACTORY	YES
500-AC 40	2-Q-1	LEVEL 2, AREA U	500-SF 40	19,450	3,050	FACTORY	YES
500-AC 41	1-R-1	LEVEL 1, AREA V	500-SF 41	15,520	3,220	FACTORY	YES
500-AC 42	1-S-1	LEVEL 1, AREA W	500-SF 42	16,420	2,875	FACTORY	YES
500-AC 43	1-T-1	LEVEL 1, AREA T	500-SF 43	15,210	3,400	FACTORY	YES
500-AC 44	2-T-1	LEVEL 2, AREA T	500-SF 44	12,520	2,635	FACTORY	YES
500-AC 45	0-U-1	LEVEL 1, AREA X	500-SF 45	32,060	12,460	FACTORY	YES
500-AC 46	1-U-1	LEVEL 1, AREA R	500-SF 46	19,235	3,075	FACTORY	YES
500-AC 47	2-U-1	LEVEL 2, AREA K	500-SF 47	13,080	3,215	FACTORY	YES
500-AC 48	0-V-1	LEVEL 3, AREA K	500-SF 48	24,510	19,000	FACTORY	YES
500-AC 49	1-V-1	LEVEL 1, AREA A	500-SF 49	27,300	4,100	FACTORY	YES
500-AC 50	0-Y-1	LEVEL 1, MALL	500-SF 50	29,110	4,365	FACTORY	YES
500-AC 51	0-Y-2	LEVEL 1, MALL	500-SF 51	38,720	5,815	FACTORY	YES
500-AC 52	MULTI PURPOSE RM.	MULTI PURPOSE RM.	500-SF 52	10,560	1,590	FACTORY	YES
500-AC 53	MULTI PURPOSE RM.	MULTI PURPOSE RM.	500-SF 53	10,720	1,610	FACTORY	YES

* FACTORY FABRICATED COMPONENTS FOR FIELD ASSEMBLY

FANS

FAN NO.	LOCATION	CFM	TOTAL IN	FAN TYPE	ARRANGEMENT INLET, ROTATION & DISCHARGE	WHEEL		MAX RPM	DRIVE	MOTOR		INLET VANE
						TYPE	MIN DIA.			NOM HP	PHASE VOLT	
500-SF-1	1-A-1	15,560	7,12	CENT	DIM, CW, BHD	BIAF	26-7/16"	1940	BELTED	40	3/460	YES
500-SF-2	2-A-1	12,310	6,10	CENT	DIM, CW, BHD	BIAF	24	1958	BELTED	30	3/460	YES
500-SF-3	3-A-1	21,920	7,16	CENT	DIM, CW, BHD	BIAF	37-3/4"	1607	BELTED	60	3/460	YES
500-SF-4	1-B-1	16,130	7,22	CENT	DIM, CW, BHD	BIAF	26-7/16"	1673	BELTED	40	3/460	YES
500-SF-5	2-B-1	12,310	7,23	CENT	DIM, CW, BHD	BIAF	24	2132	BELTED	30	3/460	YES
500-SF-6	1-C-1	9,770	6,64	CENT	DIM, CW, BHD	BIAF	21-5/16"	2290	BELTED	30	3/460	YES
500-SF-7	1-D-1	17,960	6,43	CENT	DIM, CW, BHD	BIAF	29-1/8"	1690	BELTED	50	3/460	YES
500-SF-8	1-E-1	16,450	6,61	CENT	DIM, CW, BHD	BIAF	29-1/8"	1760	BELTED	40	3/460	YES
500-SF-9	1-F-1	22,920	6,64	CENT	DIM, CW, BHD	BIAF	32-3/8"	1580	BELTED	60	3/460	YES
500-SF-10	2-F-1	6,650	5,95	CENT	DIM, CW, BHD	BIAF	17-13/16"	2751	BELTED	15	3/460	YES
500-SF-11	0-G-1	20,440	5,06	CENT	DIM, CW, BHD	BIAF	32-3/8"	1410	BELTED	40	3/460	YES
500-SF-12	1-G-1	22,180	6,67	CENT	DIM, CW, BHD	BIAF	32-3/8"	1571	BELTED	40	3/460	YES
500-SF-13	2-G-1	8,640	5,99	CENT	DIM, CW, BHD	BIAF	21-1/16"	2226	BELTED	25	3/460	YES
500-SF-14	3-G-1	19,110	6,22	CENT	DIM, CW, BHD	BIAF	29-1/8"	1654	BELTED	50	3/460	YES
500-SF-15	4-G-1	18,625	6,55	CENT	DIM, CW, BHD	BIAF	29-1/8"	1720	BELTED	50	3/460	YES
500-SF-16	5-G-1	22,190	7,20	CENT	DIM, CW, BHD	BIAF	32-3/8"	1670	BELTED	60	3/460	YES
500-SF-17	NOT USED	---	---	---	---	---	---	---	---	---	---	---
500-SF-18	1-H-1	13,930	6,17	CENT	DIM, CW, BHD	BIAF	26-7/16"	1764	BELTED	30	3/460	YES
500-SF-19	2-H-1	15,300	6,79	CENT	DIM, CW, BHD	BIAF	26-7/16"	1895	BELTED	40	3/460	YES
500-SF-20	3-H-1	30,470	7,37	CENT	DIM, CW, BHD	BIAF	35-9/16"	1455	BELTED	75	3/460	YES
500-SF-21	0-I-1	16,465	7,28	CENT	DIM, CW, BHD	BIAF	26-7/16"	1959	BELTED	40	3/460	YES
500-SF-22	1-J-1	21,660	9,74	CENT	DIM, CW, BHD	BIAF	32-3/8"	1482	BELTED	50	3/460	YES
500-SF-23	2-J-1	16,646	7,70	CENT	DIM, CW, BHD	BIAF	26-7/16"	2000	BELTED	40	3/460	YES
500-SF-24	3-J-1	29,670	7,10	CENT	DIM, CW, BHD	BIAF	35-5/16"	1424	BELTED	75	3/460	YES
500-SF-25	4-J-1	17,270	7,61	CENT	DIM, CW, BHD	BIAF	29-1/8"	1750	BELTED	50	3/460	YES
500-SF-26	5-J-1	21,900	9,01	CENT	DIM, CW, BHD	BIAF	32-3/8"	1607	BELTED	60	3/460	YES
500-SF-27	0-K-1	27,810/21,155	6,81	CENT	DIM, CW, BHD	BIAF	35-9/16"	1383	BELTED	60	3/460	YES
500-SF-28	0-L-1	22,160	6,4	CENT	DIM, CW, BHD	BIAF	32-3/8"	1555	BELTED	60	3/460	YES
500-SF-29	NOT USED	---	---	---	---	---	---	---	---	---	---	---
500-SF-30	1-M-1	17,375	5,85	CENT	DIM, CW, BHD	BIAF	25-1/8"	1675	BELTED	40	3/460	YES
500-SF-31	2-M-1	7,080	5,69	CENT	DIM, CW, BHD	BIAF	19-11/16"	2321	BELTED	20	3/460	YES
500-SF-32	0-N-1	11,860	6,38	CENT	DIM, CW, BHD	BIAF	24	1922	BELTED	25	3/460	YES
500-SF-33	1-N-1	16,465	6,90	CENT	DIM, CW, BHD	BIAF	26-1/8"	1695	BELTED	40	3/460	YES
500-SF-34	1-N-5	17,150	6,15	CENT	DIM, CW, BHD	BIAF	29-1/8"	1675	BELTED	40	3/460	YES
500-SF-35	0-P-1	39,105	7,34	CENT	DIM, CW, BHD	BIAF	43-7/16"	1105	BELTED	100	3/460	YES
500-SF-36	1-P-1	16,165	6,31	CENT	DIM, CW, BHD	BIAF	29-1/8"	1690	BELTED	50	3/460	YES
500-SF-37	2-P-1	29,660	6,12	CENT	DIM, CW, BHD	BIAF	35-9/16"	1290	BELTED	50	3/460	YES
500-SF-38	0-Q-1	20,130	5,69	CENT	DIM, CW, BHD	BIAF	36-5/16"	1264	BELTED	50	3/460	YES
500-SF-39	1-Q-1	18,840	6,80	CENT	DIM, CW, BHD	BIAF	26-7/16"	1915	BELTED	40	3/460	YES
500-SF-40	2-Q-1	19,450	6,45	CENT	DIM, CW, BHD	BIAF	26-7/16"	2031	BELTED	40	3/460	YES
500-SF-41	1-R-1	15,520	5,89	CENT	DIM, CW, BHD	BIAF	29-1/8"	1552	BELTED	75	3/460	YES
500-SF-42	1-S-1	16,420	6,76	CENT	DIM, CW, BHD	BIAF	26-7/16"	1947	BELTED	40	3/460	YES
500-SF-43	1-T-1	15,210	7,18	CENT	DIM, CW, BHD	BIAF	26-7/16"	1915	BELTED	40	3/460	YES
500-SF-44	2-T-1	12,520	7,18	CENT	DIM, CW, BHD	BIAF	24	2100	BELTED	30	3/460	YES
500-SF-45	0-U-1	32,060	6,94	CENT	DIM, CW, BHD	BIAF	29-3/8"	1206	BELTED	75	3/460	YES
500-SF-46	1-U-1	19,235	6,85	CENT	DIM, CW, BHD	BIAF	29-1/8"	1771	BELTED	50	3/460	YES
500-SF-47	2-U-1	13,080	7,76	CENT	DIM, CW, BHD	BIAF	24	2205	BELTED	40	3/460	YES
500-SF-48	0-V-1	24,510	6,75	CENT	DIM, CW, BHD	BIAF	32-3/8"	1638	BELTED	75	3/460	YES
500-SF-49	1-V-1	27,300	7,66	CENT	DIM, CW, BHD	BIAF	32-3/8"	1768	BELTED	75	3/460	YES
500-SF-50	0-Y-1	29,110	6,59	CENT	DIM, CW, BHD	BIAF	35-9/16"	1383	BELTED	60	3/460	YES
500-SF-51	0-Y-2	38,720	6,41	CENT	DIM, CW, BHD	BIAF	43-7/16"	1065	BELTED	100	3/460	YES
500-SF-52	MULTI-PURPOSE RM.	10,680	6,60	CENT	DIM, CW, THD	BIAF	24	2220	BELTED	25	3/460	NO
500-SF-53	MULTI-PURPOSE RM.	10,720	6,60	CENT	DIM, CW, THD	BIAF	24	2250	BELTED	25	3/460	NO
500-F-1	3-A-0	1,440	1,25	CENT	DIM, CW, THD	FC	9"	1455	BELTED	3/4	3/460	NO
500-F-2	3-A-0	2,200	0,96	CENT	DIM, CW, THD	FC	12-1/4"	965	BELTED	1	3/460	NO
500-F-3	8F-135	6,200	1,31	CENT	DIM, CW, THD	FC	15"	923	BELTED	5	3/460	NO
500-F-4	0-D-0	22,000	1,67	CENT	DIM, CW, THD	FC	33"	785	BELTED	15	3/460	NO
500-F-5	4-H-0	2,340	2,96	CENT	DIM, CW, THD	FC	10-1/2"	1674	BELTED	3	3/460	NO
500-F-6	1-D-1	4,450	1,90	CENT	DIM, CW, THD	FC	9"	1630	BELTED	3	3/460	NO
500-SF-54	Lower Level Utility Space - Area E	10,000	38	CENT	INCLINE	BI	36	420	BELTED	2	3/460	NO