

RAC NO.	AREA SERVED	NOM TONS	SUPPLY FAN										ENERGY RECOVERY				MECHANICAL COOLING				TOTAL COOLING				TOTAL HEATING				ELECTRICAL				HEAT WHEEL ELECTRICAL				MANUFACTURER	NOTES
			CFM	DESIGN CFM (N.W.C.)	HP	E.S.P. (N.W.C.)	VENT. (CFM)	RECOV. (CFM)	SUMMER		WINTER		SENS. CAP. (MBH)	TOT. CAP. (MBH)	SENS. CAP. (MBH)	TOT. CAP. (MBH)	MCA	MOCP	VOLTS-PH	MCA	MOCP	VOLTS-PH	MCA	MOCP	VOLTS-PH	MCA	MOCP	VOLTS-PH										
									EAT (DB/WB)	LAT (DB/WB)	EAT (DB/WB)	LAT (DB)																										
1	SHORE TRANSIT SPACE/CAFETERIA	25	8,660	3,998	7.5	1.0	3,998	3,600	93/77	75.0/63.0	13/10	79.0	202.51	283.83	257.99	438.62	154.79	61	70	460-3	16.5	20	480-3	TFD301E400 W/ HEAT WHEEL FV-5000T	1, 2 & 3													
3	CENTRAL AREA, DAYCARE, CONFERENCE ROOMS, ETC.	15	5,660	2,644	3.0	1.0	2,644	2,400	93/77	75.0/63.0	13/10	83.5	140.68	193.12	176.77	293.81	142.42	37	45	460-3	20.8	25	208-3	TFD181E400 W/ HEAT WHEEL FV-3000T	1, 2 & 3													

NOTE:
1. PROVIDE WITH ADAPTER CURB AS REQUIRED.
2. PROVIDE WITH POWER EXHAUST.
3. PROVIDE WITH ECONOMIZER.

RAC NO.	AREA SERVED	NOM TONS	FAN			COOLING			HOT WATER COIL(S)			ELECTRIC				MANUFACTURER	NOTES					
			CFM	O.A. (N.W.C.)	ESP (IN WC)	EAT DB/WB (F)	AMB. AIR (F)	SENS. CAP. (MBH)	TOT. CAP. (MBH)	EWT (F)	LWT (F)	TOTAL CAPACITY (MBH)	TOTAL GPM	WPD (FT. HD.)	INDOOR FAN CAPACITY (BHP)			MINIMUM CIRCUIT CAPACITY	MOCP	VOLTS-PH		
																					CFM	CFM
2	WEST	35	10,500	2,679	1.5	79.4/67.0	95	278.3	391.0	160	63	2	91.10	1.87	0.26	5.58	80.9	100	460-3	TRANE	TC420B4	1, 2 & 3
4	EAST	40	14,000	2,479	1.7	78.1/65.8	95	332.9	456.5	160	49	3	151.83	2.73	0.83	7.78	97.5	125	460-3	TRANE	TC480B4	1, 2 & 3
5	SOUTH	35	14,000	1,093	1.8	76.4/64.3	95	317.5	390.7	160	62	2	91.10	1.86	0.26	10.0	84.1	110	460-3	TRANE	TC420B4	1, 2 & 3
6	SECOND FLOOR	27.5	11,000	1,182	1.5	76.9/64.7	95	240.2	311.7	160	64	2	107.37	2.24	0.35	5.80	73.25	90	460-3	TRANE	TC330B4	1, 2 & 3

NOTE:
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2. PROVIDE WITH POWER EXHAUST.
3. PROVIDE WITH ECONOMIZER.

VAV NO.	INLET SIZE DIA. (IN.)	PRIMARY AIR CFM		VALVE MAX APD (IN WATER)	HOT WATER HEATING COIL			WPD (FT. HD.)	HW SUPPLY & RETURN (IN.)	SIZE	SUPPLY FAN			ELECT CHAR V / PH	MODEL		
		MAX	MIN		EAT DB (F)	LAT DB (F)	GPM				TSP	HP	FLA				
		CFM	CFM		CFM	CFM	CFM				CFM	CFM	CFM				
1-03	8	760	220	0.258	65.7	95.0	20.88	1.80	0.8	3/4	0.350	760	0.236	1/3	2.4	277-1	TRANE VSWF
2-01	8	840	275	0.441	65.1	90.0	22.87	1.70	0.72	3/4	0.350	840	0.258	1/3	2.4	277-1	TRANE VSWF
2-02	8	520	175	0.176	65.0	83.7	10.59	0.50	0.07	1/2	0.350	520	0.226	1/3	2.4	277-1	TRANE VSWF
2-03	8	420	140	0.333	65.0	87.3	10.14	0.50	0.07	1/2	0.350	420	0.233	1/3	2.4	277-1	TRANE VSWF
2-04	5	300	100	0.183	65.0	84.8	9.58	0.50	0.16	1/2	0.250	300	0.183	1/4	0.7	277-1	TRANE VSWF
2-05	5	280	90	0.048	65.2	93.3	8.04	0.50	0.15	1/2	0.250	280	0.219	1/4	0.7	277-1	TRANE VSWF
2-06	6	380	125	0.265	65.1	95.5	12.50	0.50	0.07	7/8	0.350	380	0.212	1/3	2.4	277-1	TRANE VSWF
2-07	6	420	145	0.33	64.8	87.1	10.16	0.50	0.07	1/2	0.350	420	0.218	1/3	2.4	277-1	TRANE VSWF
2-08	10	1000	333	0.316	65.0	85.0	21.68	1.25	0.41	3/4	0.350	1000	0.278	1/3	2.4	277-1	TRANE VSWF
2-09	5	320	107	0.074	65.0	89.7	8.58	0.50	0.15	1/2	0.250	320	0.227	1/4	0.7	277-1	TRANE VSWF
2-10	8	560	180	0.202	65.2	82.8	10.71	0.50	0.07	1/2	0.350	560	0.229	1/3	2.4	277-1	TRANE VSWF
2-11	10	960	320	0.294	65.0	76.3	11.73	0.50	0.07	1/2	0.350	960	0.273	1/3	2.4	277-1	TRANE VSWF
2-12	10	1000	333	0.316	65.0	85.0	21.68	1.25	0.41	3/4	0.350	1000	0.278	1/3	2.4	277-1	TRANE VSWF
2-13	10	400	140	0.117	64.8	86.0	9.21	0.50	0.16	1/2	0.250	400	0.239	1/4	0.7	277-1	TRANE VSWF
2-14	5	270	90	0.051	65.0	92.7	8.12	0.50	0.15	1/2	0.250	270	0.22	1/4	0.7	277-1	TRANE VSWF
2-15	8	550	183	0.195	65.0	90.0	14.91	0.84	0.19	1/2	0.350	550	0.228	1/3	2.4	277-1	TRANE VSWF
2-16	10	1160	400	0.364	64.8	85.0	25.38	1.63	0.66	3/4	0.450	1160	0.302	1/2	3.5	277-1	TRANE VSWF
2-17	8	620	207	0.244	65.0	82.0	11.44	0.53	0.08	1/2	0.350	620	0.234	1/3	2.4	277-1	TRANE VSWF
3-01	8	800	265	0.395	65.0	78.2	11.40	0.50	0.07	1/2	0.350	800	0.253	1/3	2.4	277-1	TRANE VSWF
3-02	6	400	140	0.297	64.8	88.0	10.06	0.50	0.07	1/2	0.350	400	0.217	1/3	2.4	277-1	TRANE VSWF
3-03	5	260	90	0.048	64.8	93.3	8.04	0.50	0.15	1/2	0.250	260	0.219	1/4	0.7	277-1	TRANE VSWF
3-04	10	1020	340	0.328	65.0	75.7	11.83	0.50	0.07	1/2	0.350	1020	0.281	1/3	2.4	277-1	TRANE VSWF
3-05	8	560	190	0.202	64.9	82.6	10.74	0.50	0.07	1/2	0.350	560	0.229	1/3	2.4	277-1	TRANE VSWF
3-06	8	560	190	0.202	64.9	82.6	10.74	0.50	0.07	1/2	0.350	560	0.229	1/3	2.4	277-1	TRANE VSWF
3-07	8	520	180	0.176	64.8	83.6	10.60	0.50	0.07	1/2	0.350	520	0.226	1/3	2.4	277-1	TRANE VSWF
3-08	8	600	200	0.23	65.0	81.7	10.86	0.50	0.07	1/2	0.350	600	0.232	1/3	2.4	277-1	TRANE VSWF
3-09	4	220	70	0.033	65.2	96.9	7.56	0.50	0.15	1/2	0.250	220	0.214	1/4	0.7	277-1	TRANE VSWF
3-10	8	720	240	0.323	65.0	79.4	11.21	0.50	0.07	1/2	0.350	720	0.244	1/3	2.4	277-1	TRANE VSWF
4-01	6	450	150	0.384	65.0	86.1	10.29	0.50	0.07	1/2	0.350	450	0.22	1/3	2.4	277-1	TRANE VSWF
4-02	4	220	70	0.033	65.2	96.9	7.56	0.50	0.15	1/2	0.250	220	0.214	1/4	0.7	277-1	TRANE VSWF
4-03	8	640	213	0.259	65.0	80.8	10.99	0.50	0.07	1/2	0.350	640	0.236	1/3	2.4	277-1	TRANE VSWF
4-04	8	420	140	0.333	65.0	87.3	10.14	0.50	0.07	1/2	0.350	420	0.218	1/3	2.4	277-1	TRANE VSWF
4-05	8	700	233	0.307	65.0	79.7	11.16	0.50	0.07	1/2	0.350	700	0.242	1/3	2.4	277-1	TRANE VSWF
4-06	12	1740	525	0.474	65.5	84.0	34.96	2.01	1.06	3/4	0.550	1740	0.366	1	5.4	277-1	TRANE VSWF
4-07	10	1200	360	0.392	65.5	87.0	27.98	2.16	1.13	3/4	0.450	1200	0.308	1/2	3.5	277-1	TRANE VSWF
4-08	6	410	120	0.313	65.6	88.2	10.03	0.50	0.07	1/2	0.350	410	0.217	1/3	2.4	277-1	TRANE VSWF
4-09	8	640	192	0.259	65.5	81.3	10.94	0.50	0.07	1/2	0.350	640	0.236	1/3	2.4	277-1	TRANE VSWF
4-10	6	370	100	0.1	66.0	88.1	8.89	0.50	0.15	1/2	0.250	370	0.234	1/4	0.7	277-1	TRANE VSWF
4-11	8	870	270	0.463	65.3	77.6	11.52	0.50	0.07	1/2	0.350	870	0.261	1/3	2.4	277-1	TRANE VSWF
4-12	8	550	165	0.195	65.5	83.3	10.64	0.50	0.07	1/2	0.350	550	0.228	1/3	2.4	277-1	TRANE VSWF
4-13	5	340	102	0.084	65.5	89.1	8.70	0.50	0.15	1/2	0.250	340	0.23	1/4	0.7	277-1	TRANE VSWF
4-14	10	990	270	0.311	65.9	95.0	31.23	1.85	0.94	1	0.350	990	0.277	1/3	2.4	277-1	TRANE VSWF
4-15	10	1320	400	0.48	65.5	84.0	26.55	1.65	0.69	3/4	0.450	1320	0.328	1/2	3.5	277-1	TRANE VSWF
4-16	12	1800	520	0.512	65.7	90.0	47.50	2.66	1.05	1 1/4	0.550	1800	0.398	1	5.4	277-1	TRANE VSWF
4-17	10	1340	410	0.496	65.4	87.0	31.37	2.78	1.84	3/4	0.450	1340	0.332	1/2	3.5	277-1	TRANE VSWF
5-01	5	330	110	0.079	65.0	89.2	8.67	0.50	0.15	1/2	0.250	330	0.228	1/4	0.7	277-1	TRANE VSWF
5-02	5	300	100	0.064	65.0	90.8	8.41	0.50	0.15	1/2	0.250	300	0.224	1/4	0.7	277-1	TRANE VSWF
5-03	8	800	240	0.395	65.5	87.0	18.65	1.06	0.3	1/2	0.350	800	0.253	1/3	2.4	277-1	TRANE VSWF
5-04	12	1580	475	0.579	65.5	85.0	33.43	1.96	1.01	3/4	0.550	1580	0.356	1	5.4	277-1	TRANE VSWF
5-05	5	300	100	0.064	65.0	90.8	8.41	0.50	0.15	1/2	0.250	300	0.224	1/4	0.7	277-1	TRANE VSWF
5-06	12	2000	600	0.649	65.5	83.0	37.96	2.21									