FAN COIL SELECTIONS

DIFFUSION

PROJECT NAME: H170 WH MAX PERFORMANCE
CUSTOMER: WEBSITE
OUR REFERENCE:
DATE: Oct-16

Entering Air Design Conditions:		
Season	Temperature db°C	Temperature wb°C
Summer	23.0	16.2
Winter	21.0	

Cooling Design Conditions:	
Flow Temp. °C	Return Temp. °C
6.0	12.0
Glycol %	- -

Heating Design Conditions:	
Flow Temp. °C	Return Temp. °C
80.0	VARIES (60)
Electric HTG Voltage	0
Electric HTG Phase	

SFP	Acoustic Design Cond's:	
Av.	Limiting Global NR	
W/l/s	Individual / Global	I / G
0.25		

Reference Details			Airflow / NR / Speed Data				Cooling Phase Data						Heating Phase Data				Electrical Data		Rec'd Spigot Qty.				
Unit Reference	Qty.	Model Reference	Airflow & Ext. Pressure		Ind. Unit Guide	Speed Setting	Sensible Load	Total Load	Flow Rate	Hyd. Pressure	Air Off	Air Off	Sensible Load	Flow Rate	Hyd. Pressure	Air Off	Motor Power	SFP	NR Criteria	Spigot Size	Spigot Qty.	Guide Vel.	Actual Vel.
			l/s	Pa	NR		Watts	Watts	l/s	kPa	db°C	RH	Watts	l/s	kPa	db °C	Watts	W/l/s	I / G	Ømm	Rec.	m/s	m/s
Type 1	1	H17Aec-WHCH-SL06/1 * FR+CS	50	30	25	uLow	674	836	0.034	7.15	11.8	90	609	0.010	0.09	31.2	10	0.20	I			1.50	#VALUE!
Type 1	1	H17Aec-WHCH-SL06/1 * FR+CS	57	30	27	xLow	755	931	0.037	8.72	11.9	89	635	0.010	0.09	30.3	13	0.23	I			1.70	#VALUE!
Type 1	1	H17Aec-WHCH-SL06/1 * FR+CS	68	30	30	Low	868	1053	0.042	10.96	12.4	88	674	0.010	0.09	29.3	18	0.26	I			2.00	#VALUE!
Type 1	1	H17Aec-WHCH-SL06/1 * FR+CS	72	30	31	Low+1	910	1100	0.044	11.88	12.5	88	687	0.010	0.09	28.9	20	0.28	I			2.10	#VALUE!
Type 1	1	H17Aec-WHCH-SL06/1 * FR+CS	76	30	32	Low+2	944	1136	0.046	12.63	12.6	87	700	0.010	0.09	28.7	23	0.30	I			2.20	#VALUE!
Type 1	1	H17Aec-WHCH-SL06/1 * FR+CS	81	30	33	Low+3	995	1192	0.048	13.81	12.8	87	714	0.010	0.09	28.3	25	0.31	I			2.30	#VALUE!
Type 1	1	H17Aec-WHCH-SL06/1 * FR+CS	90	30	35	Med	1074	1273	0.052	15.66	13.1	86	731	0.010	0.09	27.8	32	0.35	I			2.50	#VALUE!
Type 1	1	H17Aec-WHCH-SL06/1 * FR+CS	95	30	36	Med+1	1117	1318	0.054	16.73	13.2	86	745	0.010	0.09	27.5	35	0.37	I			2.60	#VALUE!
Type 1	1	H17Aec-WHCH-SL06/1 * FR+CS	107	30	38	Med+3	1225	1434	0.059	19.67	13.5	85	774	0.010	0.09	27.0	45	0.43	I			2.80	#VALUE!
Type 1	1	H17Aec-WHCH-SL06/1 * FR+CS	124	30	40	High	1361	1580	0.065	23.82	13.9	83	808	0.010	0.09	26.4	65	0.53	I			3.00	#VALUE!
Type 2	1	H17Aec-WHCH-SL09/2 * FR+CS	71	30	25	uLow	1022	1298	0.052	3.85	11.0	93	1146	0.014	0.26	34.4	15	0.21	I			1.50	#VALUE!
Type 2	1	H17Aec-WHCH-SL09/2 * FR+CS	86	30	27	xLow	1214	1538	0.062	5.34	11.2	91	1278	0.016	0.32	33.4	18	0.21	I			1.70	#VALUE!
Type 2	1	H17Aec-WHCH-SL09/2 * FR+CS	113	30	30	Low	1542	1924	0.077	8.03	11.6	90	1519	0.019	0.44	32.2	24	0.21	I			2.00	#VALUE!
Type 2	1	H17Aec-WHCH-SL09/2 * FR+CS	123	30	31	Low+1	1658	2059	0.083	9.08	11.8	90	1617	0.020	0.50	32.0	26	0.22	I			2.10	#VALUE!
Type 2	1	H17Aec-WHCH-SL09/2 * FR+CS	133	30	32	Low+2	1775	2194	0.088	10.20	11.9	90	1695	0.021	0.54	31.6	29	0.22	I			2.20	#VALUE!
Type 2	1	H17Aec-WHCH-SL09/2 * FR+CS	143	30	33	Low+3	1885	2318	0.093	11.28	12.0	89	1763	0.022	0.58	31.3	32	0.22	I			2.30	#VALUE!
Type 2	1	H17Aec-WHCH-SL09/2 * FR+CS	167	30	35	Med	2125	2572	0.104	13.67	12.4	88	1912	0.023	0.68	30.5	41	0.24	I			2.50	#VALUE!
Type 2	1	H17Aec-WHCH-SL09/2 * FR+CS	182	30	36	Med+1	2271	2732	0.110	15.28	12.6	88	2003	0.024	0.74	30.2	47	0.26	I			2.60	#VALUE!
Type 2	1	H17Aec-WHCH-SL09/2 * FR+CS	211	30	38	Med+3	2547	3029	0.123	18.53	12.9	87	2186	0.027	0.87	29.6	62	0.29	I			2.80	#VALUE!
Type 2	1	H17Aec-WHCH-SL09/2 * FR+CS	236	30	40	High	2785	3285	0.133	21.60	13.2	86	2326	0.028	0.97	29.2	78	0.33	I			3.00	#VALUE!
Type 3	1	H17Aec-WHCH-SL12/3 * FR+CS	71	30	25	uLow	1022	1298	0.052	1.67	11.0	93	1956	0.024	0.97	44.0	15	0.21	I			1.50	#VALUE!
Type 3	1	H17Aec-WHCH-SL12/3 * FR+CS	102	30	27	xLow	1407	1762	0.071	2.96	11.5	91	1930	0.024	0.95	36.8	20	0.19	I			1.70	#VALUE!
Type 3	1	H17Aec-WHCH-SL12/3 * FR+CS	147	30	30	Low	1955	2411	0.097	5.24	11.9	90	2286	0.028	1.29	34.0	27	0.19	I			2.00	#VALUE!
Type 3	1	H17Aec-WHCH-SL12/3 * FR+CS	162	30	31	Low+1	2136	2623	0.105	6.11	12.0	89	2418	0.030	1.43	33.4	31	0.19	I			2.10	#VALUE!
Type 3	1	H17Aec-WHCH-SL12/3 * FR+CS	180	30	32	Low+2	2346	2866	0.115	7.18	12.1	89	2582	0.032	1.61	33.0	34	0.19	I			2.20	#VALUE!
Type 3	1	H17Aec-WHCH-SL12/3 * FR+CS	199	30	33	Low+3	2562	3113	0.125	8.36	12.3	89	2747	0.034	1.81	32.5	41	0.20	I			2.30	#VALUE!
Type 3	1	H17Aec-WHCH-SL12/3 * FR+CS	234	30	35	Med	2927	3522	0.142	10.49	12.6	88	3014	0.037	2.14	31.7	52	0.22	I			2.50	#VALUE!
Type 3	1	H17Aec-WHCH-SL12/3 * FR+CS	251	30	36	Med+1	3092	3700	0.149	11.50	12.7	87	3128	0.038	2.29	31.4	59	0.24	I			2.60	#VALUE!
Type 3	1	H17Aec-WHCH-SL12/3 * FR+CS	290	30	38	Med+3	3459	4091	0.165	13.87	13.1	86	3388	0.041	2.66	30.7	77	0.27	I			2.80	#VALUE!
Type 3	1	H17Aec-WHCH-SL12/3 * FR+CS	326	30	40	High	3787	4439	0.180	16.19	13.3	85	3617	0.044	3.00	30.2	99	0.30	I			3.00	#VALUE!
Type 4	1	H17Aec-WHCH-SL15/4 * FR+CS	97	30	25	uLow	1397	1773	0.070	1.85	11.0	93	2736	0.033	2.28	44.5	21	0.22	I			1.50	#VALUE!
Type 4	1	H17Aec-WHCH-SL15/4 * FR+CS	140	30	27	xLow	2016	2560	0.102	3.60	11.0	93	2700	0.033	2.23	37.1	27	0.19	I			1.70	#VALUE!
Type 4	1	H17Aec-WHCH-SL15/4 * FR+CS	204	30	30	Low	2831	3554	0.143	6.66	11.4	91	3241	0.040	3.11	34.2	38	0.19	I			2.00	#VALUE!
Type 4	1	H17Aec-WHCH-SL15/4 * FR+CS	224	30	31	Low+1	3080	3853	0.155	7.72	11.5	91	3426	0.042	3.44	33.7	43	0.19	I			2.10	#VALUE!
Type 4	1	H17Aec-WHCH-SL15/4 * FR+CS	250	30	32	Low+2	3392	4220	0.169	9.12	11.7	90	3667	0.045	3.89	33.2	50	0.20	I			2.20	#VALUE!
Type 4	1	H17Aec-WHCH-SL15/4 * FR+CS	276	30	33	Low+3	3703	4585	0.184	10.61	11.8	90	3897	0.048	4.35	32.8	57	0.21	I			2.30	#VALUE!
Type 4	1	H17Aec-WHCH-SL15/4 * FR+CS	326	30	35	Med	4243	5185	0.209	13.31	12.1	89	4277	0.052	5.16	31.9	73	0.22	I			2.50	#VALUE!
Type 4	1	H17Aec-WHCH-SL15/4 * FR+CS	349	30	36	Med+1	4479	5440	0.219	14.55	12.3	89	4435	0.054	5.51	31.6	82	0.23	I			2.60	#VALUE!
Type 4	1	H17Aec-WHCH-SL15/4 * FR+CS	405	30	38	Med+3	5028	6039	0.244	17.68	12.6	88	4819	0.059	6.41	30.9	107	0.26	I			2.80	#VALUE!
Type 4	1	H17Aec-WHCH-SL15/4 * FR+CS	454	30	40	High	5520	6585	0.267	20.81	12.9	87	5147	0.063	7.24	30.4	137	0.30	I			3.00	#VALUE!
Type 5	1	H17Aec-WHCH-SS17/1 * FR+CS	54	30	25	uLow	778	987	0.039	0.81	11.0	93	1643	0.020	0.82	46.3	12	0.21	I			1.50	#VALUE!
Type 5	1	H17Aec-WHCH-SS17/1 * FR+CS	62	30	27	xLow	876	1109	0.045	1.06	11.2	91	1789	0.022	0.96	45.0	14	0.22	I			1.70	#VALUE!
Type 5	1	H17Aec-WHCH-SS17/1 * FR+CS	76	30	30	Low	1006	1240	0.050	1.31	12.0	89	2030	0.025	1.21	43.3	19	0.24	I			2.00	#VALUE!
Type 5	1	H17Aec-WHCH-SS17/1 * FR+CS	81	30	31	Low+1	1053	1287	0.052	1.40	12.2	89	2114	0.026	1.30	42.7	20	0.25	I			2.10	#VALUE!
Type 5	1	H17Aec-WHCH-SS17/1 * FR+CS	85	30	32	Low+2	1084	1314	0.053	1.46	12.4	88	2187	0.027	1.38	42.4	22	0.26	I			2.20	#VALUE!
Type 5	1	H17Aec-WHCH-SS17/1 * FR+CS	90	30	33	Low+3	1129	1361	0.055	1.56	12.5	88	2271	0.028	1.48	42.0	24	0.27	I			2.30	#VALUE!
Type 5	1	H17Aec-WHCH-SS17/1 * FR+CS	101	30	35	Med	1239	1483	0.060	1.83	12.8	87	2450	0.030	1.70	41.2	29	0.29	I			2.50	#VALUE!
Type 5	1	H17Aec-WHCH-SS17/1 * FR+CS	106	30	36	Med+1	1314	1578	0.064	2.05	12.7	87	2533	0.031	1.81	40.9	32	0.30	I			2.60	#VALUE!
Type 5	1	H17Aec-WHCH-SS17/1 * FR+CS	116	30	38	Med+3	1438	1729	0.070	2.42	12.7	87	2671	0.033	1.99	40.2	38	0.33	I			2.80	#VALUE!
Type 5	1	H17Aec-WHCH-SS17/1 * FR+CS	128	30	40	High	1578	1896	0.077	2.88	12.7	87	2831	0.035	2.22	39.4	48	0.38	I			3.00	#VALUE!
Type 6	1	H17Aec-WHCH-SS17/2 * FR+CS	68	30	25	uLow	979	1243	0.049	1.58	11.0	93	2274	0.028	1.83	48.9	14	0.21	I			1.50	#VALUE!
Type 6	1	H17Aec-WHCH-SS17/2 * FR+CS	91	30	27	xLow	1310	1664	0.066	2.68	11.0	93	2622	0.032	2.37	45.0	18	0.20	I			1.70	#VALUE!
Type 6	1	H17Aec-WHCH-SS17/2 * FR+CS	132	30	30	Low	1901	2413	0.096	5.27	11.0	93	3344	0.041	3.70	42.1	28	0.21	I			2.00	#VALUE!
Type 6	1	H17Aec-WHCH-SS17/2 * FR+CS	143	30	31	Low+1	2059	2614	0.104	6.09	11.0	93	3533	0.043	4.09	41.6	32	0.22	I			2.10	#VALUE!
Type 6	1	H17Aec-WHCH-SS17/2 * FR+CS	155	30	32	Low+2	2232	2834	0.112	7.05	11.0	93	3702	0.045	4.45	40.9	36	0.23	I			2.20	#VALUE!
Type 6	1	H17Aec-WHCH-SS17/2 * FR+CS	169	30	33	Low+3	2369	2991	0.120	7.97	11.3	91	3893	0.048	4.88	40.2	41	0.24	I			2.30	#VALUE!
Type 6	1	H17Aec-WHCH-SS17/2 * FR+CS	195	30	35	Med	2670	3341	0.135	9.79	11.6	90	4244	0.052	5.71	39.1	54	0.28	I			2.50	#VALUE!
Type 6	1	H17Aec-WHCH-SS17/2 * FR+CS	210	30	36	Med+1	2840	3538	0.143	10.89	11.7	90	4445	0.054	6.22	38.6	63	0.30	I			2.60	#VALUE!
Type 6	1	H17Aec-WHCH-SS17/2 * FR+CS	236	30	38	Med+3	3119	3852	0.156	12.79	12.0	89	4766	0.058	7.06	37.8	82	0.35	I			2.80	#VALUE!
Type 6	1	H17Aec-WHCH-SS17/2 * FR+CS	267	30	40	High	3438	4204	0.171	15.13	12.3	88	5150	0.063	8.13	37.1	111	0.42	I			3.00	#VALUE!
Type 7	1	H17Aec-WHCH-SS17/3 * FR+CS	91	30	25	uLow	1310	1664	0.066	1.54	11.0	93	3292	0.040	4.68	51.1	20	0.21	I			1.50	#VALUE!
Type 7	1	H17Aec-WHCH-SS17/3 * FR+CS	133	30	27	xLow	1880	2383	0.096	3.04	11.2	91	3885	0.047	6.32	45.3	30	0.23	I			1.70	#VALUE!
Type 7	1	H17Aec-WHCH-SS17/3 * FR+CS	191	30	30	Low	2699	3418	0.137	5.83	11.2	91	4940	0.060	9.79	42.6	38	0.20	I			2.00	#VALUE!
Type 7	1	H17Aec-WHCH-SS17/3 * FR+CS	210	30	31	Low+1	2951	3727	0.150	6.84	11.3	91	5265	0.064	10.99	41.9	43	0.21	I			2.10	#VALUE!
Type 7	1	H17Aec-WHCH-SS17/3 * FR+CS	228	30	32	Low+2	3165	3976	0.160	7.70	11.4	91	5520	0.067	11.98	41.2	49	0.22	I			2.20	#VALUE!
Type 7	1	H17Aec-WHCH-SS17/3 * FR+CS	246	30	33	Low+3	3372	4215	0.169	8.57	11.6	90	5774	0.070	13.00	40.6	56	0.23	I			2.30	#VALUE!
Type 7	1	H17Aec-WHCH-SS17/3 * FR+CS	283	30	35	Med	3792	4699	0.189	10.49	11.8	90	6283	0.077	15.16	39.5	71	0.25	I			2.50	#VALUE!
Type 7	1	H17Aec-WHCH-SS17/3 * FR+CS	302	30	36	Med+1	4006	4944	0.199	11.53	11.9	89	6538	0.080	16.30	39.0	81	0.27	I			2.60	#VALUE!
Type 7	1	H17Aec-WHCH-SS17/3 * FR+CS	340	30	38	Med+3	4406	5388	0.218	13.56	12.2	89	7028	0.086	18.59	38.2	106	0.31	I			2.80	#VALUE!
Type 7	1	H17Aec-WHCH-SS17/3 * FR+CS	378	30	40	High	4785	5801	0.236	15.65	12.5	88	7508	0.092	20.96	37.6	142	0.38	I			3.00	#VALUE!
Type 8	1	H17Aec-WHCH-SS17/4 * FR+CS	120	30	25	uLow	1728	2194	0.087	1.75	11.0	93	4144	0.051	1.33	49.8	27	0.23	I			1.50	#VALUE!
Type 8	1	H17Aec-WHCH-SS17/4 * FR+CS	170	30	27	xLow	2405	3048	0.122	3.25	11.2	91	4844	0.059	1.77	44.7	34	0.20	I			1.70	#VALUE!
Type 8	1	H17Aec-WHCH-SS17/4 * FR+CS	244	30	30	Low	3514	4461	0.177	6.37	11.0	93	6132	0.075	2.73	41.9	52	0.21	I			2.00	#VALUE!
Type 8	1	H17Aec-WHCH-SS17/4 * FR+CS	268	30	31	Low+1	3791	4806	0.193	7.46	11.2	91	6541	0.080	3.07	41.3	58	0.22	I			2.10	#VALUE!
Type 8	1	H17Aec-WHCH-SS17/4 * FR+CS	294	30	32	Low+2	4105	5171	0.208	8.53	11.4	91	6892	0.084	3.38	40.5	67	0.23	I			2.20	#VALUE!
Type 8	1	H17Aec-WHCH-SS17/4 * FR+CS	317	30	33	Low+3	4374	5486	0.221	9.52	11.5	91	7200	0.088	3.66	39.9	75	0.24	I			2.30	#VALUE!
Type 8	1	H17Aec-WHCH-SS17/4 * FR+CS	355	30	35	Med	4815	5998	0.242	11.23	11.7	90	7710	0.094	4.15	39.1	91	0.26	I			2.50	#VALUE!
Type 8	1	H17Aec-WHCH-SS17/4 * FR+CS	382	30	36	Med+1	5114	6338	0.256	12.45	11.8	90	8061	0.098	4.51	38.6	105	0.27	I			2.60	#VALUE!
Type 8	1	H17Aec-WHCH-SS17/4 * FR+CS	430	30	38	Med+3	5629	6915	0.280	14.67	12.1	89	8669	0.106	5.15	37.8	134	0.31	I			2.80	#VALUE!
Type 8	1	H17Aec-WHCH-SS17/4 * FR+CS	478	30	40	High	6116	7448	0.303	16.93	12.3	88	9246	0.113	5.80	37.1	177	0.37	I			3.00	#VALUE!