



EVAPORADOR COMERCIAL CÚBICO ECC

60 HZ
(HCFCs)

EXPANSIÓN DIRECTA HFCS

ECC GEOMETRÍA TRIANGULAR (TUBO DE COBRE ALETA DE ALUMINIO)



TOTAL INGENIEROS S.A.C
VENTAS, PROYECTOS, SERVICIOS EN INGENIERIA Y SISTEMAS DE REFRIGERACIÓN



TABLA DE CAPACIDADES EN 60 Hz CON DISTINTAS UIDADES DE MEDIDAS

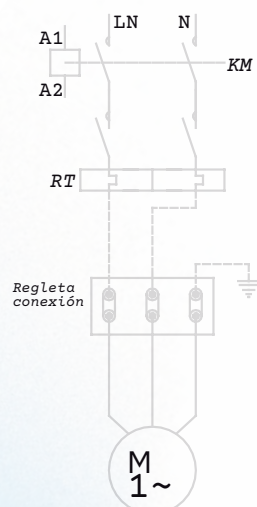
RENDIMIENTOS PARA DISTINTAS CONDICIONES DE TRABAJO (Kcal/h)																		
T° Evaporación (°F) T° Evaporación (°C) DT1 (°K)	Ø	50			32			14			-4			-22				
	mm	10			0			-10			-20			-30				
		6	8	10	6	8	10			10			10			10		
ECC 8A 251 / 5	2 5 0	900	1.199	1.499	872	1.163	1.454	846	1.128	1.410	783	1.045	1.306	677	902	1.129		
ECC 8A 252 / 10		1.799	2.399	2.999	1.745	2.327	2.907	1.692	2.255	2.819	1.567	2.089	2.612	1.	1.806	2.258		
ECC 8A 253 / 15		2.699	3.598	4.498	2.617	3.489	4.361	2.537	3.384	4.230	2.351	3.134	3.918	354	2.708	3.386		
ECC 8A 254 / 20		3.598	4.798	5.996	3.489	4.653	5.816	3.384	4.512	5.640	3.134	4.180	5.224	2.	3.612	4.514		
ECC 8A 255 / 25		4.498	5.996	7.496	4.361	5.816	7.270	4.230	5.640	7.049	3.918	5.224	6.530	031	4.514	5.643		
ECC 8A 256 / 30		5.398	7.196	8.995	5.234	6.978	8.723	5.076	6.767	8.459	4.701	6.269	7.836	2.	5.418	6.772		
ECC 8A 301 / 6	3 0 0	1.304	1.739	2.173	1.265	1.687	2.108	1.227	1.635	2.045	1.136	1.514	1.894	708	1.310	1.636		
ECC 8A 302 / 12		2.608	3.477	4.347	2.529	3.372	4.216	2.453	3.272	4.088	2.272	3.029	3.787	3.	2.618	3.272		
ECC 8A 303 / 18		3.912	5.217	6.520	3.794	5.059	6.324	3.680	4.906	6.133	3.408	4.545	5.681	386	3.928	4.910		
ECC 8A 304 / 24		5.217	6.955	8.694	5.059	6.745	8.431	4.906	6.541	8.176	4.545	6.059	7.573	4.	5.236	6.546		
ECC 8A 305 / 30		6.520	8.694	10.867	6.324	8.431	10.540	6.133	8.176	10.220	5.681	7.573	9.467	064	6.546	8.182		
ECC 8A 306 / 36		7.824	10.433	13.041	7.588	10.118	12.647	7.359	9.812	12.265	6.816	9.088	11.360	982	7.854	9.818		
ECC 8A 401 / 11	4 0 0	2.641	3.520	4.401	2.561	3.414	4.269	2.483	3.311	4.139	2.300	3.067	3.834	1	2.651	3.313		
ECC 8A 402 / 21		5.282	7.042	8.802	5.122	6.829	8.536	4.967	6.623	8.278	4.601	6.135	7.667	964	6.628	8.272		
ECC 8A 403 / 32		7.922	10.563	13.204	7.683	10.243	12.805	7.451	9.934	12.417	6.901	9.201	11.502	2.	9.941	12.417		
ECC 8A 404 / 42		10.563	14.084	17.605	10.243	13.659	17.073	9.934	13.246	16.557	9.201	12.269	15.336	946	13.254	16.557		
ECC 8A 405 / 53		13.204	17.605	22.006	12.805	17.073	21.342	12.	16.557	20.695	11.	15.336	19.170	928	13.254	16.557		
			417											502			4.	

RENDIMIENTOS PARA DISTINTAS CONDICIONES DE TRABAJO (Watts)														910		
T° Evaporación (°F) T° Evaporación (°C) DT1 (°K)	Ø mm	50			32			14			-4			5	-2	
		10			0			-1			-2			890	2	
		6	8	10	6	8	10		0	10		0	10	1.	-3	10
ECC 8A 251 / 5	2 5 0	1.047	1.394	1.743	1.014	1.352	1.691	983	1.311	1.639	911	1.215	1.519	988	1.049	1.313
ECC 8A 252 / 10		2.092	2.789	3.487	2.029	2.705	3.380	1.967	2.623	3.278	1.823	2.429	3.037	1.787	2.100	2.625
ECC 8A 253 / 15		3.138	4.183	5.230	3.043	4.057	5.071	2.950	3.935	4.919	2.733	3.644	4.556	2.362	3.149	3.937
ECC 8A 254 / 20		4.183	5.579	6.973	4.057	5.410	6.762	3.935	5.247	6.558	3.644	4.860	6.075	3.649	4.200	5.249
ECC 8A 255 / 25		5.230	6.973	8.717	5.071	6.762	8.453	4.919	6.558	8.197	4.556	6.075	7.593	3.937	5.249	6.562
ECC 8A 256 / 30	3 0 0	6.276	8.368	10.460	6.086	8.114	10.143	5.902	7.869	9.836	5.467	7.289	9.112	4.725	6.300	7.875
ECC 8A 301 / 6		1.516	2.022	2.527	1.471	1.961	2.452	1.426	1.901	2.377	1.321	1.761	2.202	1.142	1.523	1.902
ECC 8A 302 / 12		3.033	4.043	5.055	2.941	3.921	4.902	2.852	3.804	4.753	2.642	3.522	4.403	2.424	3.044	3.805
ECC 8A 303 / 18		4.549	6.066	7.582	4.412	5.883	7.354	4.279	5.705	7.131	3.963	5.284	6.605	3.425	4.567	5.709
ECC 8A 304 / 24		6.066	8.088	10.109	5.883	7.843	9.804	5.705	7.606	9.507	5.284	7.045	8.806	4.567	6.089	7.611
ECC 8A 305 / 30	4 0 0	7.582	10.109	12.637	7.354	9.804	12.256	7.131	9.507	11.884	6.605	8.806	11.009	5.709	7.611	9.514
ECC 8A 306 / 36		9.098	12.131	15.164	8.823	11.765	14.706	8.557	11.409	14.262	7.925	10.567	13.210	6.849	9.133	11.416
ECC 8A 401 / 11		3.071	4.094	5.118	2.978	3.970	4.964	2.887	3.850	4.812	2.674	3.567	4.458	2.312	3.082	3.853
ECC 8A 402 / 21		6.142	8.189	10.235	5.955	7.941	9.926	5.776	7.701	9.626	5.350	7.134	8.916	4.623	6.164	7.707
ECC 8A 403 / 32		9.211	12.282	15.353	8.934	11.911	14.889	8.663	11.	14.438	8.025	10.	13.375	6.935	9.248	11.559
ECC 8A 404 / 42	0	12.282	16.377	20.471	11.911	15.883	19.853	11.551	15.521	19.252	10.699	14.833	17.833	9.248	12.550	15.412
ECC 8A 405 / 53		15.353	20.471	25.588	14.889	19.853	24.816	14.	551	24.064	13.	699	22.291	11.	15.	19.264

RENDIMIENTOS PARA DISTINTAS CONDICIONES DE TRABAJO (BTU/h)																	
T° Evaporación (°F) T° Evaporación (°C) DT1 (°K)	Ø mm	50			32			25			17			11			
		10			0			-10			-20			-30			
		6	8	10	6	8	10			10			10			10	
ECC 8A 251 / 5	2 5 0	3.571	4.757	5.948	3.462	4.614	5.771	3.356	4.475	5.594	3.108	4.145	5.183	2.687	3.581	4.480	
ECC 8A 252 / 10		7.138	9.519	11.900	6.923	9.232	11.537	6.713	8.950	11.188	6.220	8.290	10.365	5.374	7.167	8.960	
ECC 8A 253 / 15		10.710	14.276	17.848	10.385	13.846	17.308	10.	13.430	16.786	9.328	12.436	15.548	8.061	10.748	13.435	
ECC 8A 254 / 20		14.276	19.038	23.796	13.846	18.465	23.078	069	17.905	22.380	12.	16.586	20.731	10.	14.334	17.915	
ECC 8A 255 / 25		17.848	23.796	29.748	17.308	23.078	28.849	13.	22.380	27.974	436	20.731	25.914	748	17.915	22.395	
ECC 8A 256 / 30	3 0 0	21.419	28.558	35.696	20.769	27.692	34.615	430	26.855	33.568	15.	24.876	31.096	13.	21.501	26.875	
ECC 8A 301 / 6		5.173	6.899	8.625	5.020	6.694	8.367	16.	6.488	8.114	548	6.010	7.516	435	5.197	6.493	
ECC 8A 302 / 12		10.351	13.798	17.250	10.036	13.382	16.729	786	12.981	16.222	18.	12.020	15.027	16.	10.389	12.985	
ECC 8A 303 / 18		15.524	20.702	25.875	15.056	20.076	25.096	20.	19.469	24.336	656	18.034	22.543	127	15.586	19.483	
ECC 8A 304 / 24		20.702	27.601	34.500	20.076	26.765	33.458	143	25.957	32.445	4.509	24.044	30.054	3.897	20.779	25.976	
ECC 8A 305 / 30	4 0 0	25.875	34.500	43.126	25.096	33.458	41.825	4.867	32.445	40.558	9.017	30.054	37.570	7.793	25.976	32.469	
ECC 8A 306 / 36		31.049	41.400	51.751	30.111	40.152	50.187	9.734	38.937	48.672	13.	36.064	45.081	11.	31.168	38.961	
ECC 8A 401 / 11		10.480	13.970	17.465	10.165	13.550	16.939	14.	13.138	16.423	526	12.173	15.213	690	10.518	13.148	
ECC 8A 402 / 21		20.960	27.946	34.931	20.324	27.099	33.874	602	26.282	32.851	18.	24.345	30.427	15.	21.037	26.301	
ECC 8A 403 / 32		31.436	41.916	52.396	30.489	40.649	50.814	19.	49.274	59.034	034	45.645	55.886	586	39.449	49.274	
ECC 8A 404 / 42	0	41.916	55.891	69.862	40.649	54.203	67.753	469	52.564	65.702	22.	48.686	60.859	19.	42.079	52.597	
ECC 8A 405 / 53		52.396	69.862	87.327	50.814	67.753	84.693	24.	65.702	82.125	543	60.859	76.072	483	52.597	65.745	
336											27			23			
203											047			375			
9.854											9.127						

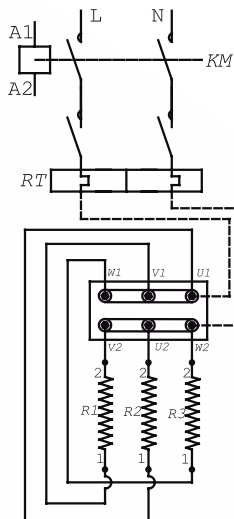
DIAGRAMAS ELECTRICOS Y MONTAJE

CONEXION ELECTRICA VENTILADORES

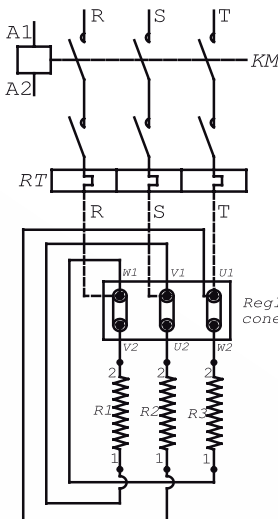


Conexión :
220V-1f-50Hz
220V-1f-60Hz

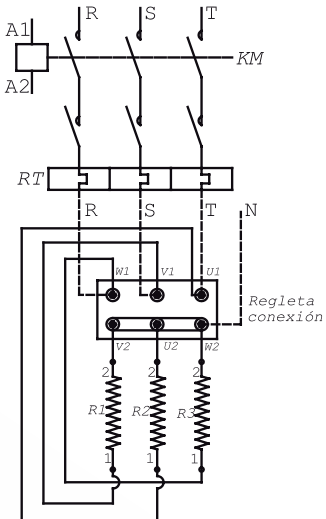
CONEXION ELECTRICA CALEFACTORES



Conexión :
220V-1f-50Hz
220V-1f-60Hz



Conexión : Δ
220V-3f-60Hz



Conexión : $\star$
380V-3f-50Hz
440V-3f-60Hz

ESQUEMA DE MONTAJE Y CONEXIONES

